Prepared for
Illinois Power Generating Company

Date
January 31, 2025

Project No.
1940106781-012

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

PRIMARY ASH POND

NEWTON POWER PLANT

NEWTON, ILLINOIS

CCR UNIT 501

RAMBOLL Bright ideas. Sustainable change.

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
NEWTON POWER PLANT PRIMARY ASH POND

Project name	**Newton Power Plant Primary Ash Pond**
Project no.	**1940106781-012**
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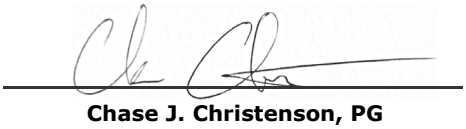

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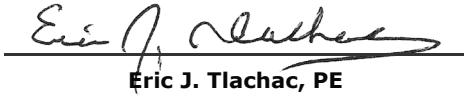

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CONTENTS

TABLES (IN TEXT)

TABLES (ATTACHED)

FIGURES (ATTACHED)

APPENDICES

ACRONYMS AND ABBREVIATIONS

35 I.A.C.	Title 35 of the Illinois Administrative Code
40 C.F.R.	Title 40 of the Code of Federal Regulations
A2D	Quarter 3, 2023 Assessment Monitoring sampling event
A2DR	Quarter 4, 2023 Assessment Monitoring sampling event
A3	Quarter 1, 2024 Assessment Monitoring sampling event
A3R	Quarter 2, 2024 Assessment Monitoring sampling event
A3D	Quarter 3, 2024 Assessment Monitoring sampling event
A3DR	Quarter 4, 2024 Assessment Monitoring sampling event
CCR	coal combustion residuals
CMA	Corrective Measures Assessment
GWPS	groundwater protection standard
IEPA	Illinois Environmental Protection Agency
NA	not applicable
NPP	Newton Power Plant
PAP	Primary Ash Pond
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SAP	Sampling and Analysis Plan
SSI	statistically significant increase
SSL	statistically significant level

EXECUTIVE SUMMARY

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

Groundwater is being monitored at the PAP in accordance with the Assessment Monitoring Program requirements specified in 40 C.F.R. § 257.95. Assessment monitoring was initiated at the PAP on May 7, 2022.

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

- Lithium at well APW02

Statistically significant increases (SSIs) of Appendix III parameters above background values were determined in **Section 3**; therefore, the PAP remains in the Assessment Monitoring Program.

A Corrective Measures Assessment (CMA) was initiated on November 5, 2023, following identification of groundwater protection standard (GWPS) exceedances of both Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.600 and 40 C.F.R. § 257.95. The CMA, completed on April 3, 2024, specifically addressed exceedances 35 I.A.C. § 845.600 GWPSs, however, since the referenced GWPS exceedance for lithium at APW02 is similar to the SSL of lithium determined in accordance with 40 C.F.R. § 257.95 for this same well, it meets the 40 C.F.R. § 257.96 requirements for assessing potential corrective measures to address the lithium SSL (Ramboll Americas Engineering Solutions, Inc. [Ramboll, 2024]).

Remedy selection will take into consideration compliance with both 40 C.F.R. § 257 and 35 I.A.C. § 845. In accordance with 40 C.F.R. § 257.97, remedy selection is to be completed as soon as feasible following completion of the CMA. As required by 35 I.A.C. § 845.670, a corrective action plan that identifies the selected remedy must be submitted to the Illinois Environmental Protection Agency (IEPA) one year after completing the CMA. It is anticipated a corrective action plan meeting the requirements of both 40 C.F.R. § 257 and 35 I.A.C. § 845 will be submitted on or before April 3, 2025. Activities currently ongoing in support of developing the corrective action plan include development of a corrective action alternatives analysis, human health and ecological risk assessment, and supporting technical documents. Semiannual remedy selection progress reports are being completed as required by 40 C.F.R. § 257.97(a).

1. INTRODUCTION

This report has been prepared by Ramboll on behalf of Illinois Power Generating Company, to provide the information required by 40 C.F.R. § 257.90(e) for the PAP located at the NPP near Newton, Illinois.

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

1. A map, aerial image, or diagram showing the CCR unit and all background (or upgradient) and downgradient monitoring wells, to include the well identification numbers, that are part of the groundwater monitoring program for the CCR unit (**Figure 1**).
2. Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken (**Section 3**, paragraph 1).
3. In addition to all the monitoring data obtained under §§ 257.90 through 257.98, a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the Detection Monitoring or Assessment Monitoring Programs (**Section 3, Table A**).
4. A narrative discussion of any transition between monitoring programs (*e.g.*, the date and circumstances for transitioning from Detection Monitoring to Assessment Monitoring in addition to identifying the constituent(s) detected at a statistically significant increase relative to background levels) (**Section 2**).
5. Other information required to be included in the annual report as specified in §§ 257.90 through 257.98.
6. A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit (see **Executive Summary**). At a minimum, the summary must specify all of the following:
    i. At the start of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in §257.94 or the Assessment Monitoring Program in §257.95.
    ii. At the end of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in §257.94 or the Assessment Monitoring Program in §257.95.
    iii. If it was determined that there was a SSI over background for one or more constituents listed in Appendix III of §257 pursuant to §257.94(e):
        A. Identify those constituents listed in Appendix III of §257 and the names of the monitoring wells associated with such an increase.

B. Provide the date when the Assessment Monitoring Program was initiated for the CCR unit.

iv. If it was determined that there was a SSL above the GWPS for one or more constituents listed in Appendix IV of §257 pursuant to §257.95(g) include all of the following:

A. Identify those constituents listed in Appendix IV of §257 and the names of the monitoring wells associated with such an increase.

B. Provide the date when the assessment of corrective measures was initiated for the CCR unit.

C. Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit.

D. Provide the date when the assessment of corrective measures was completed for the CCR unit.

v. Whether a remedy was selected pursuant to §257.97 during the current annual reporting period, and if so, the date of remedy selection.

vi. Whether remedial activities were initiated or are ongoing pursuant to § 257.98 during the current annual reporting period.

This report provides the required information for the PAP for calendar year 2024.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

Groundwater is being monitored at the PAP in accordance with the Assessment Monitoring Program requirements specified in 40 C.F.R. § 257.95. Assessment Monitoring was initiated on June 6, 2022. SSLs were determined for the PAP and alternative source evaluations were inconclusive for one or more SSLs. In accordance with 40 C.F.R. § 257.95(g)(5), a CMA meeting the requirements of 40 C.F.R. § 257.96 was initiated on November 5, 2023 and completed on April 3, 2024 to address the lithium SSL.

SSIs of Appendix III parameters above background values were determined, as discussed in **Section 3**, and the PAP remains in the Assessment Monitoring Program in accordance with 40 C.F.R. § 257.96(b).

The PAP is also regulated under 35 I.A.C. § 845. Quarterly groundwater sampling for 35 I.A.C. § 845 compliance evaluation was initiated at the PAP during Quarter 2, 2023. Exceedances of GWPSs established under 35 I.A.C. § 845 were determined and require corrective action through a permitting process administered by the IEPA. Therefore, remedy selection will take into consideration compliance with both 40 C.F.R. § 257 and 35 I.A.C. § 845.

In accordance with 40 C.F.R. § 257.97, remedy selection is to be completed as soon as feasible following completion of the CMA. As required by 35 I.A.C. § 845.670, a corrective action plan that identifies the selected remedy must be submitted to the IEPA within one year after completing the CMA required by 35 I.A.C. § 845.660. On November 5, 2024, Ramboll initiated a CMA for the PAP in accordance with 35 I.A.C. § 845.660. The CMA was completed and submitted to the IEPA on April 3, 2024 (Ramboll, 2024). It is anticipated that a corrective action plan will be submitted on or before April 3, 2025 that meets the requirements of both 40 C.F.R. § 257 and 35 I.A.C. § 845. Activities currently ongoing in support of developing the corrective action plan include development of a corrective action alternatives analysis, human health and ecological risk assessment, and supporting technical documents. Semiannual remedy selection progress reports are being completed as required by 40 C.F.R. § 257.97(a).

3. KEY ACTIONS COMPLETED IN 2024

A summary of the samples collected from background and compliance monitoring wells in 2024 under the Assessment Monitoring Program is included in **Table A** on the following page. The groundwater monitoring system, including the CCR unit and all background and compliance monitoring wells, is presented in **Figure 1**. No changes to the monitoring system occurred in 2024.

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

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

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

Table A. 2024 Assessment Monitoring Program Summary

Event ID	Sampling Dates [1, 2, 3]	Analytical Data Receipt Date [4]	SSL(s) Determination Date	SSL(s)	CMA Initiated
A2D [5]	July 24 – August 17, 2023	November 9, 2023	February 27, 2024 [6]	Lithium at APW02	NA
A2DR [5]	October 10 – 11, 2023	November 17, 2023	NA	NA	NA
A3	January 16 – 23, 2024	February 27, 2024	May 27, 2024	Lithium at APW02	NA
A3R	April 2 – 9, 2024	June 12, 2024	NA	NA	NA
A3D	July 2 – 10 and August 7, 2024	September 11, 2024	December 10, 2024	Lithium at APW02	NA
A3DR	October 1 – 8, 2024	November 12, 2024	NA	NA	NA

Notes:

CMA: Corrective Measures Assessment

NA: not applicable

SSL: Statistically Significant Level

[1] The following background wells were sampled for each event: APW05, and APW06.

[2] The following compliance wells were sampled for each event: APW02, APW03, APW04, APW05S, APW07, APW08, APW09, APW10, APW11, APW12, APW13, APW14, APW15, APW16, APW17, and APW18.

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

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

[5] Laboratory reports and associated analytical data tables were included in the 2023 Annual Groundwater Monitoring and Corrective Action Report.

[6] Statistical determinations were completed in 2024. Analytical data from 2023 sampling events used in statistical determinations are included in the 2024 Annual Groundwater Monitoring and Corrective Action Report for completeness.

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

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

5. KEY ACTIVITIES PLANNED FOR 2025

The following key activities are planned for 2025:

- Continuation of the Assessment Monitoring Program with semiannual sampling scheduled for the first and third quarters of 2025 (and sampling for 35 I.A.C. § 845 scheduled for the second and fourth quarters).
- Complete evaluation of analytical data from the compliance wells to determine whether an SSL of Appendix IV parameters above GWPSs has occurred.
- If an SSL is identified, potential 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 2025 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 2025 will be met, including associated recordkeeping/notifications required by 40 C.F.R. §§ 257.105 through 257.108.
- Remedy selection will continue considering compliance with both 40 C.F.R. § 257 and 35 I.A.C. § 845; semiannual remedy selection progress reports required by 40 C.F.R. § 257.97(a) will be completed and posted to the publicly accessible website as required by 40 C.F.R. § 257.107(h)(9).
- Statistical limits (background) will be updated for the PAP pursuant the Multi-Site Statistical Analysis Plan (Ramboll, 2022c) prepared in accordance with the requirements of 40 C.F.R. § 257.93(f).

6. REFERENCES

Code of Federal Regulations, Title 40, Chapter I, Subchapter I, Part 257, Subpart D, Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, effective April 17, 2015. Accessed from URL https://www.ecfr.gov/current/title-40/chapter-I/subchapter-I/part-257/subpart-D#page-top

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

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

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

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

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2024. *35 I.A.C. § 845 Corrective Measures Assessment, Primary Ash Pond, Newton Power Plant, Newton, Illinois, IEPA ID: W0798070001-01*. April 3, 2024

TABLES

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
APW02	Compliance	UD	01/15/2024	5.30	528.14
APW02	Compliance	UD	02/01/2024	4.15	529.28
APW02	Compliance	UD	03/01/2024	4.39	529.04
APW02	Compliance	UD	04/01/2024	4.57	528.87
APW02	Compliance	UD	05/01/2024	3.72	529.72
APW02	Compliance	UD	06/01/2024	4.61	528.83
APW02	Compliance	UD	07/01/2024	6.64	526.80
APW02	Compliance	UD	08/01/2024	4.57	528.98
APW02	Compliance	UD	09/01/2024	6.48	527.06
APW02	Compliance	UD	10/01/2024	7.75	525.81
APW02	Compliance	UD	11/05/2024	DM[7]	
APW02	Compliance	UD	12/05/2024	7.27	526.29
APW03	Compliance	UD	01/15/2024	6.15	526.43
APW03	Compliance	UD	02/01/2024	5.00	527.57
APW03	Compliance	UD	03/01/2024	6.45	526.12
APW03	Compliance	UD	04/01/2024	6.50	526.08
APW03	Compliance	UD	05/01/2024	5.38	527.19
APW03	Compliance	UD	06/01/2024	6.55	526.03
APW03	Compliance	UD	07/01/2024	8.21	524.37
APW03	Compliance	UD	08/01/2024	5.41	527.03
APW03	Compliance	UD	09/01/2024	DM[7]	
APW03	Compliance	UD	10/01/2024	8.01	524.44
APW03	Compliance	UD	11/05/2024	7.29	525.15
APW03	Compliance	UD	12/05/2024	7.89	524.56
APW04	Compliance	UD	01/15/2024	5.11	519.71
APW04	Compliance	UD	02/01/2024	4.66	520.15
APW04	Compliance	UD	03/01/2024	5.10	519.71
APW04	Compliance	UD	04/01/2024	5.10	519.72
APW04	Compliance	UD	05/01/2024	4.40	520.42
APW04	Compliance	UD	06/01/2024	4.72	520.10
APW04	Compliance	UD	07/01/2024	5.51	519.31
APW04	Compliance	UD	08/01/2024	4.52	520.72
APW04	Compliance	UD	09/01/2024	5.36	519.88
APW04	Compliance	UD	10/01/2024	5.22	520.03
APW04	Compliance	UD	11/05/2024	5.16	520.08
APW04	Compliance	UD	12/05/2024	5.11	520.14
APW05	Background	UA	01/15/2024	14.36	529.88
APW05	Background	UA	02/01/2024	14.29	529.94
APW05	Background	UA	03/01/2024	14.33	529.90
APW05	Background	UA	04/01/2024	13.96	530.28
APW05	Background	UA	05/01/2024	13.98	530.26
APW05	Background	UA	06/01/2024	14.00	530.24
APW05	Background	UA	07/01/2024	14.36	529.88
APW05	Background	UA	08/01/2024	DM[7]	
APW05	Background	UA	09/01/2024	DM[7]	
APW05	Background	UA	10/01/2024	14.43	529.92

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Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
APW05	Background	UA	11/05/2024	14.29	530.05
APW05	Background	UA	12/05/2024	14.47	529.88
APW05S	Compliance	UD	01/15/2024	12.48	531.63
APW05S	Compliance	UD	02/01/2024	11.20	532.90
APW05S	Compliance	UD	03/01/2024	10.90	533.20
APW05S	Compliance	UD	04/01/2024	10.41	533.70
APW05S	Compliance	UD	05/01/2024	10.18	533.93
APW05S	Compliance	UD	06/01/2024	10.41	533.70
APW05S	Compliance	UD	07/01/2024	12.94	531.17
APW05S	Compliance	UD	08/01/2024	10.53	533.98
APW05S	Compliance	UD	09/01/2024	12.03	532.48
APW05S	Compliance	UD	10/01/2024	13.02	531.50
APW05S	Compliance	UD	11/05/2024	13.12	531.39
APW05S	Compliance	UD	12/05/2024	11.82	532.70
APW06	Background	UA	01/15/2024	19.72	526.52
APW06	Background	UA	02/01/2024	19.31	526.92
APW06	Background	UA	03/01/2024	19.39	526.84
APW06	Background	UA	04/01/2024	19.03	527.21
APW06	Background	UA	05/01/2024	19.02	527.22
APW06	Background	UA	06/01/2024	19.09	527.15
APW06	Background	UA	07/01/2024	19.59	526.84
APW06	Background	UA	08/01/2024	19.34	527.07
APW06	Background	UA	09/01/2024	19.50	526.91
APW06	Background	UA	10/01/2024	19.53	526.90
APW06	Background	UA	11/05/2024	19.34	527.08
APW06	Background	UA	12/05/2024	19.62	526.81
APW07	Compliance	UA	01/15/2024	48.06	490.48
APW07	Compliance	UA	02/01/2024	46.78	491.75
APW07	Compliance	UA	03/01/2024	46.84	491.69
APW07	Compliance	UA	04/01/2024	46.80	491.74
APW07	Compliance	UA	05/01/2024	46.36	492.17
APW07	Compliance	UA	06/01/2024	46.42	492.11
APW07	Compliance	UA	07/01/2024	46.99	491.55
APW07	Compliance	UA	08/01/2024	46.89	491.52
APW07	Compliance	UA	09/01/2024	47.09	491.31
APW07	Compliance	UA	10/01/2024	47.36	491.05
APW07	Compliance	UA	11/05/2024	47.28	491.12
APW07	Compliance	UA	12/05/2024	47.67	490.74
APW08	Compliance	UA	01/15/2024	38.81	490.33
APW08	Compliance	UA	02/01/2024	38.36	490.77
APW08	Compliance	UA	03/01/2024	38.19	490.94
APW08	Compliance	UA	04/01/2024	37.71	491.43
APW08	Compliance	UA	05/01/2024	37.46	491.68
APW08	Compliance	UA	06/01/2024	37.59	491.55
APW08	Compliance	UA	07/01/2024	38.22	490.92
APW08	Compliance	UA	08/01/2024	37.49	491.84

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Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
APW08	Compliance	UA	09/01/2024	37.93	491.40
APW08	Compliance	UA	10/01/2024	38.14	491.20
APW08	Compliance	UA	11/05/2024	37.89	491.44
APW08	Compliance	UA	12/05/2024	38.43	490.91
APW09	Compliance	UA	01/15/2024	27.95	503.74
APW09	Compliance	UA	02/01/2024	25.54	506.14
APW09	Compliance	UA	03/01/2024	25.98	505.70
APW09	Compliance	UA	04/01/2024	25.92	505.77
APW09	Compliance	UA	05/01/2024	26.16	505.53
APW09	Compliance	UA	06/01/2024	26.23	505.46
APW09	Compliance	UA	07/01/2024	27.37	504.32
APW09	Compliance	UA	08/01/2024	26.45	505.42
APW09	Compliance	UA	09/01/2024	27.33	504.55
APW09	Compliance	UA	10/01/2024	27.61	504.28
APW09	Compliance	UA	11/05/2024	27.96	503.91
APW09	Compliance	UA	12/05/2024	27.99	503.90
APW10	Compliance	UA	01/15/2024	19.22	505.20
APW10	Compliance	UA	02/01/2024	17.70	506.71
APW10	Compliance	UA	03/01/2024	18.00	506.41
APW10	Compliance	UA	04/01/2024	17.89	506.53
APW10	Compliance	UA	05/01/2024	17.43	506.98
APW10	Compliance	UA	06/01/2024	17.49	506.92
APW10	Compliance	UA	07/01/2024	18.60	505.82
APW10	Compliance	UA	08/01/2024	17.78	506.83
APW10	Compliance	UA	09/01/2024	18.56	506.05
APW10	Compliance	UA	10/01/2024	18.84	505.79
APW10	Compliance	UA	11/05/2024	19.14	505.48
APW10	Compliance	UA	12/05/2024	19.12	505.51
APW11	Compliance	UA	01/15/2024	25.53	513.27
APW11	Compliance	UA	02/01/2024	24.85	513.94
APW11	Compliance	UA	03/01/2024	24.70	514.09
APW11	Compliance	UA	04/01/2024	24.55	514.25
APW11	Compliance	UA	05/01/2024	24.38	514.42
APW11	Compliance	UA	06/01/2024	24.40	514.40
APW11	Compliance	UA	07/01/2024	25.18	513.62
APW11	Compliance	UA	08/01/2024	24.91	514.27
APW11	Compliance	UA	09/01/2024	25.15	514.03
APW11	Compliance	UA	10/01/2024	25.16	514.03
APW11	Compliance	UA	11/05/2024	25.23	513.96
APW11	Compliance	UA	12/05/2024	25.14	514.05
APW12	Compliance	UD	01/15/2024	16.32	530.14
APW12	Compliance	UD	02/01/2024	15.19	531.26
APW12	Compliance	UD	03/01/2024	15.46	530.99
APW12	Compliance	UD	04/01/2024	15.09	531.37
APW12	Compliance	UD	05/01/2024	14.67	531.79
APW12	Compliance	UD	06/01/2024	15.03	531.43

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
APW12	Compliance	UD	07/01/2024	16.19	530.27
APW12	Compliance	UD	08/01/2024	15.31	531.61
APW12	Compliance	UD	09/01/2024	15.98	530.94
APW12	Compliance	UD	10/01/2024	16.35	530.59
APW12	Compliance	UD	11/05/2024	16.25	530.68
APW12	Compliance	UD	12/05/2024	15.62	531.32
APW13	Compliance	UA	01/15/2024	34.14	504.02
APW13	Compliance	UA	02/01/2024	32.37	505.78
APW13	Compliance	UA	03/01/2024	32.53	505.62
APW13	Compliance	UA	04/01/2024	32.37	505.79
APW13	Compliance	UA	05/01/2024	32.02	506.14
APW13	Compliance	UA	06/01/2024	DM[7]	
APW13	Compliance	UA	07/01/2024	33.18	504.98
APW13	Compliance	UA	08/01/2024	DM[7]	
APW13	Compliance	UA	09/01/2024	DM[7]	
APW13	Compliance	UA	10/01/2024	33.41	505.07
APW13	Compliance	UA	11/05/2024	DM[7]	
APW13	Compliance	UA	12/05/2024	33.69	504.79
APW14	Compliance	UA	01/15/2024	22.49	503.97
APW14	Compliance	UA	02/01/2024	20.83	505.62
APW14	Compliance	UA	03/01/2024	21.17	505.28
APW14	Compliance	UA	04/01/2024	21.07	505.39
APW14	Compliance	UA	05/01/2024	20.68	505.78
APW14	Compliance	UA	06/01/2024	20.66	505.80
APW14	Compliance	UA	07/01/2024	21.48	504.98
APW14	Compliance	UA	08/01/2024	21.18	505.72
APW14	Compliance	UA	09/01/2024	21.90	504.99
APW14	Compliance	UA	10/01/2024	22.09	504.82
APW14	Compliance	UA	11/05/2024	22.55	504.35
APW14	Compliance	UA	12/05/2024	22.35	504.56
APW15	Compliance	UA	01/15/2024	21.69	503.17
APW15	Compliance	UA	02/01/2024	21.16	503.69
APW15	Compliance	UA	03/01/2024	21.34	503.51
APW15	Compliance	UA	04/01/2024	21.06	503.80
APW15	Compliance	UA	05/01/2024	21.14	503.72
APW15	Compliance	UA	06/01/2024	21.13	503.73
APW15	Compliance	UA	07/01/2024	21.55	503.31
APW15	Compliance	UA	08/01/2024	21.57	503.75
APW15	Compliance	UA	09/01/2024	DM[7]	
APW15	Compliance	UA	10/01/2024	21.35	503.98
APW15	Compliance	UA	11/05/2024	DM[7]	
APW15	Compliance	UA	12/05/2024	21.69	503.64
APW16	Compliance	UA	01/15/2024	41.60	489.75
APW16	Compliance	UA	02/01/2024	40.50	490.84
APW16	Compliance	UA	03/01/2024	40.57	490.77
APW16	Compliance	UA	04/01/2024	40.30	491.05

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
APW16	Compliance	UA	05/01/2024	40.24	491.11
APW16	Compliance	UA	06/01/2024	40.29	491.06
APW16	Compliance	UA	07/01/2024	40.83	490.52
APW16	Compliance	UA	08/01/2024	40.24	491.63
APW16	Compliance	UA	09/01/2024	40.48	491.40
APW16	Compliance	UA	10/01/2024	40.68	491.20
APW16	Compliance	UA	11/05/2024	40.61	491.26
APW16	Compliance	UA	12/05/2024	41.12	490.76
APW17	Compliance	UA	01/15/2024	42.57	490.12
APW17	Compliance	UA	02/01/2024	DM[1]	
APW17	Compliance	UA	03/01/2024	DM[1]	
APW17	Compliance	UA	04/01/2024	41.35	491.34
APW17	Compliance	UA	05/01/2024	41.54	491.15
APW17	Compliance	UA	06/01/2024	41.57	491.12
APW17	Compliance	UA	07/01/2024	41.85	490.84
APW17	Compliance	UA	08/01/2024	41.74	491.17
APW17	Compliance	UA	09/01/2024	41.76	491.15
APW17	Compliance	UA	10/01/2024	41.83	491.09
APW17	Compliance	UA	11/05/2024	DM[7]	
APW17	Compliance	UA	12/05/2024	42.21	490.71
APW18	Compliance	UA	01/15/2024	53.08	490.36
APW18	Compliance	UA	02/01/2024	51.99	491.44
APW18	Compliance	UA	03/01/2024	52.00	491.43
APW18	Compliance	UA	04/01/2024	51.85	491.59
APW18	Compliance	UA	05/01/2024	51.59	491.85
APW18	Compliance	UA	06/01/2024	51.62	491.82
APW18	Compliance	UA	07/01/2024	52.38	491.06
APW18	Compliance	UA	08/01/2024	51.77	491.90
APW18	Compliance	UA	09/01/2024	51.93	491.74
APW18	Compliance	UA	10/01/2024	52.34	491.34
APW18	Compliance	UA	11/05/2024	52.09	491.58
APW18	Compliance	UA	12/05/2024	52.71	490.97
XSG01	Water Level	CCR	01/15/2024	5.70	534.30
XSG01	Water Level	CCR	02/01/2024	5.35	530.98
XSG01	Water Level	CCR	03/01/2024	5.81	530.52
XSG01	Water Level	CCR	04/01/2024	6.06	530.28
XSG01	Water Level	CCR	05/01/2024	6.86	529.48
XSG01	Water Level	CCR	06/01/2024	6.63	529.70
XSG01	Water Level	CCR	07/01/2024	6.73	529.61
XSG01	Water Level	CCR	08/01/2024	10.21	530.17
XSG01	Water Level	CCR	09/01/2024	10.78	529.60
XSG01	Water Level	CCR	10/01/2024	6.49	533.90
XSG01	Water Level	CCR	11/05/2024	6.76	533.62
XSG01	Water Level	CCR	12/05/2024	6.90	533.49
SG02	Water Level	SW	01/15/2024	3.75	503.14
SG02	Water Level	SW	02/01/2024	NA	505.04

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
SG02	Water Level	SW	03/01/2024	NA	504.59
SG02	Water Level	SW	04/01/2024	2.40	504.66
SG02	Water Level	SW	05/01/2024	NA	505.33
SG02	Water Level	SW	06/01/2024	NA	505.16
SG02	Water Level	SW	07/01/2024	2.91	504.15
SG02	Water Level	SW	08/01/2024	NA	505.23
SG02	Water Level	SW	09/01/2024	NA	504.28
SG02	Water Level	SW	10/01/2024	3.14	502.87
SG02	Water Level	SW	11/05/2024	9.90	496.11
SG02	Water Level	SW	12/05/2024	2.36	503.65

Notes:
BMP = below measuring point
Depth to Groundwater/Groundwater Elevation Code (if applicable):
DM[1] = Depth to water was not measured.
DM[2] = Depth to water was not measured because water was above or below the staff gage markings.
DM[3] = Depth to water was not measured because the location was inaccessible.
DM[4] = Depth to water was not measured because water level was below the top of the pump.
DM[5] = Depth to water was not measured because water level was above the top of casing (artesian well).
DM[6] = Depth to water was not measured because of damage to the well.
DM[7] = Depth to water was not measured due to required pressure transducer maintenance.
DM[8] = Lab provided groundwater elevation data and not depth to water.
NA = not available/not applicable
NAVD88 = North American Vertical Datum of 1988
Monitored Unit Abbreviations:
CCR = coal combustion residuals
SW = surface water
UA = uppermost aquifer
UD = upper drift

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW05	UA	Background	07/24/2023	A2D	Boron, total	mg/L	0.108	--	--	--
APW05	UA	Background	10/10/2023	A2DR	Boron, total	mg/L	0.0897	--	--	--
APW05	UA	Background	01/16/2024	A3	Boron, total	mg/L	0.715	--	--	--
APW05	UA	Background	04/04/2024	A3R	Boron, total	mg/L	0.109	--	--	--
APW05	UA	Background	07/02/2024	A3D	Boron, total	mg/L	0.0839	--	--	--
APW05	UA	Background	10/02/2024	A3DR	Boron, total	mg/L	0.101	--	--	--
APW05	UA	Background	07/24/2023	A2D	Calcium, total	mg/L	50.4	--	--	--
APW05	UA	Background	10/10/2023	A2DR	Calcium, total	mg/L	52.8	--	--	--
APW05	UA	Background	01/16/2024	A3	Calcium, total	mg/L	72.2	--	--	--
APW05	UA	Background	04/04/2024	A3R	Calcium, total	mg/L	59.5	--	--	--
APW05	UA	Background	07/02/2024	A3D	Calcium, total	mg/L	52.9	--	--	--
APW05	UA	Background	10/02/2024	A3DR	Calcium, total	mg/L	58.4	--	--	--
APW05	UA	Background	07/24/2023	A2D	Chloride, total	mg/L	46.0	--	--	--
APW05	UA	Background	10/10/2023	A2DR	Chloride, total	mg/L	46.0	--	--	--
APW05	UA	Background	01/16/2024	A3	Chloride, total	mg/L	45.0	--	--	--
APW05	UA	Background	04/04/2024	A3R	Chloride, total	mg/L	45.0	--	--	--
APW05	UA	Background	07/02/2024	A3D	Chloride, total	mg/L	47.0	--	--	--
APW05	UA	Background	10/02/2024	A3DR	Chloride, total	mg/L	45.7	--	--	--
APW05	UA	Background	07/24/2023	A2D	Fluoride, total	mg/L	0.480	--	--	--
APW05	UA	Background	10/10/2023	A2DR	Fluoride, total	mg/L	0.530	--	--	--
APW05	UA	Background	01/16/2024	A3	Fluoride, total	mg/L	0.500	--	--	--
APW05	UA	Background	04/04/2024	A3R	Fluoride, total	mg/L	0.540	--	--	--
APW05	UA	Background	07/02/2024	A3D	Fluoride, total	mg/L	0.530	--	--	--
APW05	UA	Background	10/02/2024	A3DR	Fluoride, total	mg/L	0.41 J	--	--	--
APW05	UA	Background	07/24/2023	A2D	pH (field)	SU	8.0	--	--	--
APW05	UA	Background	10/10/2023	A2DR	pH (field)	SU	7.4	--	--	--
APW05	UA	Background	01/16/2024	A3	pH (field)	SU	7.4	--	--	--
APW05	UA	Background	04/04/2024	A3R	pH (field)	SU	7.8	--	--	--
APW05	UA	Background	07/02/2024	A3D	pH (field)	SU	7.6	--	--	--
APW05	UA	Background	10/02/2024	A3DR	pH (field)	SU	6.5	--	--	--
APW05	UA	Background	07/24/2023	A2D	Sulfate, total	mg/L	10.0 J+	--	--	--
APW05	UA	Background	10/10/2023	A2DR	Sulfate, total	mg/L	8 J	--	--	--
APW05	UA	Background	01/16/2024	A3	Sulfate, total	mg/L	7 J	--	--	--
APW05	UA	Background	04/04/2024	A3R	Sulfate, total	mg/L	10.0	--	--	--
APW05	UA	Background	07/02/2024	A3D	Sulfate, total	mg/L	16.0 J-	--	--	--
APW05	UA	Background	10/02/2024	A3DR	Sulfate, total	mg/L	3.4 J	--	--	--
APW05	UA	Background	07/24/2023	A2D	Total Dissolved Solids	mg/L	550	--	--	--
APW05	UA	Background	10/10/2023	A2DR	Total Dissolved Solids	mg/L	562	--	--	--
APW05	UA	Background	01/16/2024	A3	Total Dissolved Solids	mg/L	485	--	--	--
APW05	UA	Background	04/04/2024	A3R	Total Dissolved Solids	mg/L	580	--	--	--
APW05	UA	Background	07/02/2024	A3D	Total Dissolved Solids	mg/L	565	--	--	--
APW05	UA	Background	10/02/2024	A3DR	Total Dissolved Solids	mg/L	500	--	--	--
APW06	UA	Background	07/25/2023	A2D	Boron, total	mg/L	0.605	--	--	--
APW06	UA	Background	10/10/2023	A2DR	Boron, total	mg/L	0.0750	--	--	--
APW06	UA	Background	01/23/2024	A3	Boron, total	mg/L	0.0788	--	--	--
APW06	UA	Background	04/09/2024	A3R	Boron, total	mg/L	0.0781	--	--	--

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW06	UA	Background	07/02/2024	A3D	Boron, total	mg/L	0.0702	--	--	--
APW06	UA	Background	10/08/2024	A3DR	Boron, total	mg/L	0.117 J+	--	--	--
APW06	UA	Background	07/25/2023	A2D	Calcium, total	mg/L	53.7	--	--	--
APW06	UA	Background	10/10/2023	A2DR	Calcium, total	mg/L	56.8	--	--	--
APW06	UA	Background	01/23/2024	A3	Calcium, total	mg/L	58.1	--	--	--
APW06	UA	Background	04/09/2024	A3R	Calcium, total	mg/L	56.9	--	--	--
APW06	UA	Background	07/02/2024	A3D	Calcium, total	mg/L	56.6	--	--	--
APW06	UA	Background	10/08/2024	A3DR	Calcium, total	mg/L	55.0	--	--	--
APW06	UA	Background	07/25/2023	A2D	Chloride, total	mg/L	24.0	--	--	--
APW06	UA	Background	10/10/2023	A2DR	Chloride, total	mg/L	23.0	--	--	--
APW06	UA	Background	01/23/2024	A3	Chloride, total	mg/L	24.0	--	--	--
APW06	UA	Background	04/09/2024	A3R	Chloride, total	mg/L	23.0	--	--	--
APW06	UA	Background	07/02/2024	A3D	Chloride, total	mg/L	24.0	--	--	--
APW06	UA	Background	10/08/2024	A3DR	Chloride, total	mg/L	22.5	--	--	--
APW06	UA	Background	07/25/2023	A2D	Fluoride, total	mg/L	0.580	--	--	--
APW06	UA	Background	10/10/2023	A2DR	Fluoride, total	mg/L	0.550	--	--	--
APW06	UA	Background	01/23/2024	A3	Fluoride, total	mg/L	0.470	--	--	--
APW06	UA	Background	04/09/2024	A3R	Fluoride, total	mg/L	0.520	--	--	--
APW06	UA	Background	07/02/2024	A3D	Fluoride, total	mg/L	0.540	--	--	--
APW06	UA	Background	10/08/2024	A3DR	Fluoride, total	mg/L	0.500	--	--	--
APW06	UA	Background	07/25/2023	A2D	pH (field)	SU	7.7	--	--	--
APW06	UA	Background	10/10/2023	A2DR	pH (field)	SU	7.1	--	--	--
APW06	UA	Background	01/23/2024	A3	pH (field)	SU	7.6	--	--	--
APW06	UA	Background	04/09/2024	A3R	pH (field)	SU	7.6	--	--	--
APW06	UA	Background	07/02/2024	A3D	pH (field)	SU	7.7	--	--	--
APW06	UA	Background	10/08/2024	A3DR	pH (field)	SU	7.5	--	--	--
APW06	UA	Background	07/25/2023	A2D	Sulfate, total	mg/L	17.0 J+	--	--	--
APW06	UA	Background	10/10/2023	A2DR	Sulfate, total	mg/L	11.0	--	--	--
APW06	UA	Background	01/23/2024	A3	Sulfate, total	mg/L	9 J	--	--	--
APW06	UA	Background	04/09/2024	A3R	Sulfate, total	mg/L	11.0	--	--	--
APW06	UA	Background	07/02/2024	A3D	Sulfate, total	mg/L	16.0	--	--	--
APW06	UA	Background	10/08/2024	A3DR	Sulfate, total	mg/L	3.3 J	--	--	--
APW06	UA	Background	07/25/2023	A2D	Total Dissolved Solids	mg/L	540	--	--	--
APW06	UA	Background	10/10/2023	A2DR	Total Dissolved Solids	mg/L	526	--	--	--
APW06	UA	Background	01/23/2024	A3	Total Dissolved Solids	mg/L	508	--	--	--
APW06	UA	Background	04/09/2024	A3R	Total Dissolved Solids	mg/L	1,260	--	--	--
APW06	UA	Background	07/02/2024	A3D	Total Dissolved Solids	mg/L	530	--	--	--
APW06	UA	Background	10/08/2024	A3DR	Total Dissolved Solids	mg/L	475	--	--	--
APW02	UD	Compliance	08/17/2023	A2D	Boron, total	mg/L	0.189	0.189	0.145	Exceedance Not Confirmed
APW02	UD	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.111	0.111	0.145	No Exceedance
APW02	UD	Compliance	01/18/2024	A3	Boron, total	mg/L	0.132	0.132	0.145	No Exceedance
APW02	UD	Compliance	04/09/2024	A3R	Boron, total	mg/L	0.0734	0.0734	0.145	No Exceedance
APW02	UD	Compliance	08/07/2024	A3D	Boron, total	mg/L	0.0927	0.0927	0.145	No Exceedance
APW02	UD	Compliance	10/02/2024	A3DR	Boron, total	mg/L	0.114	0.114	0.145	No Exceedance
APW02	UD	Compliance	08/17/2023	A2D	Calcium, total	mg/L	475	475	66.5	Reported

TABLE 2
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2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW02	UD	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	506	506	66.5	Confirmed
APW02	UD	Compliance	01/18/2024	A3	Calcium, total	mg/L	476	476	66.5	Reported
APW02	UD	Compliance	04/09/2024	A3R	Calcium, total	mg/L	460	460	66.5	Confirmed
APW02	UD	Compliance	08/07/2024	A3D	Calcium, total	mg/L	466	466	66.5	Reported
APW02	UD	Compliance	10/02/2024	A3DR	Calcium, total	mg/L	515	515	66.5	Confirmed
APW02	UD	Compliance	08/17/2023	A2D	Chloride, total	mg/L	102	102	58.0	Reported
APW02	UD	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	100	100	58.0	Confirmed
APW02	UD	Compliance	01/18/2024	A3	Chloride, total	mg/L	122	122	58.0	Reported
APW02	UD	Compliance	04/09/2024	A3R	Chloride, total	mg/L	74.0	74.0	58.0	Confirmed
APW02	UD	Compliance	08/07/2024	A3D	Chloride, total	mg/L	94.0	94.0	58.0	Reported
APW02	UD	Compliance	10/02/2024	A3DR	Chloride, total	mg/L	97.4	97.4	58.0	Confirmed
APW02	UD	Compliance	08/17/2023	A2D	Fluoride, total	mg/L	0.210	0.210	0.705	No Exceedance
APW02	UD	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.230	0.230	0.705	No Exceedance
APW02	UD	Compliance	01/18/2024	A3	Fluoride, total	mg/L	0.220	0.220	0.705	No Exceedance
APW02	UD	Compliance	04/09/2024	A3R	Fluoride, total	mg/L	0.180	0.180	0.705	No Exceedance
APW02	UD	Compliance	08/07/2024	A3D	Fluoride, total	mg/L	0.200	0.200	0.705	No Exceedance
APW02	UD	Compliance	10/02/2024	A3DR	Fluoride, total	mg/L	0.2 U	0.5	0.705	No Exceedance
APW02	UD	Compliance	08/17/2023	A2D	pH (field)	SU	6.7	6.7	6.6/8.0	No Exceedance
APW02	UD	Compliance	10/10/2023	A2DR	pH (field)	SU	6.7	6.7	6.6/8.0	No Exceedance
APW02	UD	Compliance	01/18/2024	A3	pH (field)	SU	6.6	6.6	6.6/8.0	No Exceedance
APW02	UD	Compliance	04/09/2024	A3R	pH (field)	SU	6.7	6.7	6.6/8.0	No Exceedance
APW02	UD	Compliance	08/07/2024	A3D	pH (field)	SU	6.7	6.7	6.6/8.0	No Exceedance
APW02	UD	Compliance	10/02/2024	A3DR	pH (field)	SU	6.1	6.1	6.6/8.0	Exceedance Not Confirmed
APW02	UD	Compliance	08/17/2023	A2D	Sulfate, total	mg/L	2,860	2,860	15.0	Reported
APW02	UD	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	2,900	2,900	15.0	Confirmed
APW02	UD	Compliance	01/18/2024	A3	Sulfate, total	mg/L	3,120	3,120	15.0	Reported
APW02	UD	Compliance	04/09/2024	A3R	Sulfate, total	mg/L	3,010	3,010	15.0	Confirmed
APW02	UD	Compliance	08/07/2024	A3D	Sulfate, total	mg/L	3,520	3,520	15.0	Reported
APW02	UD	Compliance	10/02/2024	A3DR	Sulfate, total	mg/L	3,050	3,050	15.0	Confirmed
APW02	UD	Compliance	08/17/2023	A2D	Total Dissolved Solids	mg/L	3,660	3,660	1,000	Reported
APW02	UD	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	3,890	3,890	1,000	Confirmed
APW02	UD	Compliance	01/18/2024	A3	Total Dissolved Solids	mg/L	5,310	5,310	1,000	Reported
APW02	UD	Compliance	04/09/2024	A3R	Total Dissolved Solids	mg/L	4,280	4,280	1,000	Confirmed
APW02	UD	Compliance	08/07/2024	A3D	Total Dissolved Solids	mg/L	3,260 J	3,260	1,000	Reported
APW02	UD	Compliance	10/02/2024	A3DR	Total Dissolved Solids	mg/L	3,900	3,900	1,000	Confirmed
APW03	UD	Compliance	07/31/2023	A2D	Boron, total	mg/L	0.538	0.538	0.145	Reported
APW03	UD	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.440	0.440	0.145	Confirmed
APW03	UD	Compliance	01/23/2024	A3	Boron, total	mg/L	0.385	0.385	0.145	Reported
APW03	UD	Compliance	04/09/2024	A3R	Boron, total	mg/L	0.375	0.375	0.145	Confirmed
APW03	UD	Compliance	07/08/2024	A3D	Boron, total	mg/L	0.469	0.469	0.145	Reported
APW03	UD	Compliance	10/07/2024	A3DR	Boron, total	mg/L	0.401	0.401	0.145	Confirmed
APW03	UD	Compliance	07/31/2023	A2D	Calcium, total	mg/L	96.5	96.5	66.5	Reported
APW03	UD	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	92.5	92.5	66.5	Confirmed
APW03	UD	Compliance	01/23/2024	A3	Calcium, total	mg/L	99.6	99.6	66.5	Reported
APW03	UD	Compliance	04/09/2024	A3R	Calcium, total	mg/L	95.8	95.8	66.5	Confirmed

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW03	UD	Compliance	07/08/2024	A3D	Calcium, total	mg/L	92.7	92.7	66.5	Reported
APW03	UD	Compliance	10/07/2024	A3DR	Calcium, total	mg/L	86.8	86.8	66.5	Confirmed
APW03	UD	Compliance	07/31/2023	A2D	Chloride, total	mg/L	10.0	10.0	58.0	No Exceedance
APW03	UD	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	7.00	7.00	58.0	No Exceedance
APW03	UD	Compliance	01/23/2024	A3	Chloride, total	mg/L	10.0	10.0	58.0	No Exceedance
APW03	UD	Compliance	04/09/2024	A3R	Chloride, total	mg/L	9.00	9.00	58.0	No Exceedance
APW03	UD	Compliance	07/08/2024	A3D	Chloride, total	mg/L	10.0	10.0	58.0	No Exceedance
APW03	UD	Compliance	10/07/2024	A3DR	Chloride, total	mg/L	8.44	8.44	58.0	No Exceedance
APW03	UD	Compliance	07/31/2023	A2D	Fluoride, total	mg/L	0.230	0.230	0.705	No Exceedance
APW03	UD	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.260	0.260	0.705	No Exceedance
APW03	UD	Compliance	01/23/2024	A3	Fluoride, total	mg/L	0.190	0.190	0.705	No Exceedance
APW03	UD	Compliance	04/09/2024	A3R	Fluoride, total	mg/L	0.210	0.210	0.705	No Exceedance
APW03	UD	Compliance	07/08/2024	A3D	Fluoride, total	mg/L	0.240	0.240	0.705	No Exceedance
APW03	UD	Compliance	10/07/2024	A3DR	Fluoride, total	mg/L	0.2 J	0.5	0.705	No Exceedance
APW03	UD	Compliance	07/31/2023	A2D	pH (field)	SU	6.8	6.8	6.6/8.0	No Exceedance
APW03	UD	Compliance	10/10/2023	A2DR	pH (field)	SU	6.9	6.9	6.6/8.0	No Exceedance
APW03	UD	Compliance	01/23/2024	A3	pH (field)	SU	6.8	6.8	6.6/8.0	No Exceedance
APW03	UD	Compliance	04/09/2024	A3R	pH (field)	SU	6.8	6.8	6.6/8.0	No Exceedance
APW03	UD	Compliance	07/08/2024	A3D	pH (field)	SU	6.9	6.9	6.6/8.0	No Exceedance
APW03	UD	Compliance	10/07/2024	A3DR	pH (field)	SU	6.5	6.5	6.6/8.0	Exceedance Not Confirmed
APW03	UD	Compliance	07/31/2023	A2D	Sulfate, total	mg/L	118	118	15.0	Reported
APW03	UD	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	113	113	15.0	Confirmed
APW03	UD	Compliance	01/23/2024	A3	Sulfate, total	mg/L	121	121	15.0	Reported
APW03	UD	Compliance	04/09/2024	A3R	Sulfate, total	mg/L	106	106	15.0	Confirmed
APW03	UD	Compliance	07/08/2024	A3D	Sulfate, total	mg/L	130	130	15.0	Reported
APW03	UD	Compliance	10/07/2024	A3DR	Sulfate, total	mg/L	111	111	15.0	Confirmed
APW03	UD	Compliance	07/31/2023	A2D	Total Dissolved Solids	mg/L	620	620	1,000	No Exceedance
APW03	UD	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	628	628	1,000	No Exceedance
APW03	UD	Compliance	01/23/2024	A3	Total Dissolved Solids	mg/L	636	636	1,000	No Exceedance
APW03	UD	Compliance	04/09/2024	A3R	Total Dissolved Solids	mg/L	598	598	1,000	No Exceedance
APW03	UD	Compliance	07/08/2024	A3D	Total Dissolved Solids	mg/L	622	622	1,000	No Exceedance
APW03	UD	Compliance	10/07/2024	A3DR	Total Dissolved Solids	mg/L	584	584	1,000	No Exceedance
APW04	UD	Compliance	07/31/2023	A2D	Boron, total	mg/L	0.0402	0.0402	0.145	No Exceedance
APW04	UD	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.0322	0.0322	0.145	No Exceedance
APW04	UD	Compliance	01/23/2024	A3	Boron, total	mg/L	0.0764	0.0764	0.145	No Exceedance
APW04	UD	Compliance	04/09/2024	A3R	Boron, total	mg/L	0.021 J	0.0125	0.145	No Exceedance
APW04	UD	Compliance	07/08/2024	A3D	Boron, total	mg/L	0.0270	0.0270	0.145	No Exceedance
APW04	UD	Compliance	10/07/2024	A3DR	Boron, total	mg/L	0.0320	0.0320	0.145	No Exceedance
APW04	UD	Compliance	07/31/2023	A2D	Calcium, total	mg/L	211	211	66.5	Reported
APW04	UD	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	206	206	66.5	Confirmed
APW04	UD	Compliance	01/23/2024	A3	Calcium, total	mg/L	152	152	66.5	Reported
APW04	UD	Compliance	04/09/2024	A3R	Calcium, total	mg/L	212	212	66.5	Confirmed
APW04	UD	Compliance	07/08/2024	A3D	Calcium, total	mg/L	227	227	66.5	Reported
APW04	UD	Compliance	10/07/2024	A3DR	Calcium, total	mg/L	219	219	66.5	Confirmed
APW04	UD	Compliance	07/31/2023	A2D	Chloride, total	mg/L	36.0	36.0	58.0	No Exceedance

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW04	UD	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	34.0	34.0	58.0	No Exceedance
APW04	UD	Compliance	01/23/2024	A3	Chloride, total	mg/L	44.0	44.0	58.0	No Exceedance
APW04	UD	Compliance	04/09/2024	A3R	Chloride, total	mg/L	34.0	34.0	58.0	No Exceedance
APW04	UD	Compliance	07/08/2024	A3D	Chloride, total	mg/L	35.0	35.0	58.0	No Exceedance
APW04	UD	Compliance	10/07/2024	A3DR	Chloride, total	mg/L	33.3	33.3	58.0	No Exceedance
APW04	UD	Compliance	07/31/2023	A2D	Fluoride, total	mg/L	0.180	0.180	0.705	No Exceedance
APW04	UD	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.200	0.200	0.705	No Exceedance
APW04	UD	Compliance	01/23/2024	A3	Fluoride, total	mg/L	0.290	0.290	0.705	No Exceedance
APW04	UD	Compliance	04/09/2024	A3R	Fluoride, total	mg/L	0.160	0.160	0.705	No Exceedance
APW04	UD	Compliance	07/08/2024	A3D	Fluoride, total	mg/L	0.190	0.190	0.705	No Exceedance
APW04	UD	Compliance	10/07/2024	A3DR	Fluoride, total	mg/L	0.2 U	0.5	0.705	No Exceedance
APW04	UD	Compliance	07/31/2023	A2D	pH (field)	SU	6.6	6.6	6.6/8.0	No Exceedance
APW04	UD	Compliance	10/10/2023	A2DR	pH (field)	SU	6.8	6.8	6.6/8.0	No Exceedance
APW04	UD	Compliance	01/23/2024	A3	pH (field)	SU	6.8	6.8	6.6/8.0	No Exceedance
APW04	UD	Compliance	04/09/2024	A3R	pH (field)	SU	6.7	6.7	6.6/8.0	No Exceedance
APW04	UD	Compliance	07/08/2024	A3D	pH (field)	SU	6.9	6.9	6.6/8.0	No Exceedance
APW04	UD	Compliance	10/07/2024	A3DR	pH (field)	SU	6.4	6.4	6.6/8.0	Exceedance Not Confirmed
APW04	UD	Compliance	07/31/2023	A2D	Sulfate, total	mg/L	808	808	15.0	Reported
APW04	UD	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	808	808	15.0	Confirmed
APW04	UD	Compliance	01/23/2024	A3	Sulfate, total	mg/L	543	543	15.0	Reported
APW04	UD	Compliance	04/09/2024	A3R	Sulfate, total	mg/L	839	839	15.0	Confirmed
APW04	UD	Compliance	07/08/2024	A3D	Sulfate, total	mg/L	832	832	15.0	Reported
APW04	UD	Compliance	10/07/2024	A3DR	Sulfate, total	mg/L	832	832	15.0	Confirmed
APW04	UD	Compliance	07/31/2023	A2D	Total Dissolved Solids	mg/L	1,770	1,770	1,000	Reported
APW04	UD	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	1,710	1,710	1,000	Confirmed
APW04	UD	Compliance	01/23/2024	A3	Total Dissolved Solids	mg/L	1,060	1,060	1,000	Reported
APW04	UD	Compliance	04/09/2024	A3R	Total Dissolved Solids	mg/L	1,600	1,600	1,000	Confirmed
APW04	UD	Compliance	07/08/2024	A3D	Total Dissolved Solids	mg/L	1,780	1,780	1,000	Reported
APW04	UD	Compliance	10/07/2024	A3DR	Total Dissolved Solids	mg/L	1,710	1,710	1,000	Confirmed
APW05S	UD	Compliance	07/25/2023	A2D	Boron, total	mg/L	0.209	0.209	0.145	Exceedance Not Confirmed
APW05S	UD	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.0380	0.0380	0.145	No Exceedance
APW05S	UD	Compliance	01/23/2024	A3	Boron, total	mg/L	0.0411	0.0411	0.145	No Exceedance
APW05S	UD	Compliance	04/02/2024	A3R	Boron, total	mg/L	0.0326	0.0326	0.145	No Exceedance
APW05S	UD	Compliance	08/07/2024	A3D	Boron, total	mg/L	0.0553	0.0553	0.145	No Exceedance
APW05S	UD	Compliance	10/02/2024	A3DR	Boron, total	mg/L	0.0382	0.0382	0.145	No Exceedance
APW05S	UD	Compliance	07/25/2023	A2D	Calcium, total	mg/L	355	355	66.5	Reported
APW05S	UD	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	373	373	66.5	Confirmed
APW05S	UD	Compliance	01/23/2024	A3	Calcium, total	mg/L	383	383	66.5	Reported
APW05S	UD	Compliance	04/02/2024	A3R	Calcium, total	mg/L	405	405	66.5	Confirmed
APW05S	UD	Compliance	08/07/2024	A3D	Calcium, total	mg/L	406	406	66.5	Reported
APW05S	UD	Compliance	10/02/2024	A3DR	Calcium, total	mg/L	396	396	66.5	Confirmed
APW05S	UD	Compliance	07/25/2023	A2D	Chloride, total	mg/L	123	123	58.0	Reported
APW05S	UD	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	112	112	58.0	Confirmed
APW05S	UD	Compliance	01/23/2024	A3	Chloride, total	mg/L	155	155	58.0	Reported
APW05S	UD	Compliance	04/02/2024	A3R	Chloride, total	mg/L	159	159	58.0	Confirmed

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW05S	UD	Compliance	08/07/2024	A3D	Chloride, total	mg/L	193	193	58.0	Reported
APW05S	UD	Compliance	10/02/2024	A3DR	Chloride, total	mg/L	134	134	58.0	Confirmed
APW05S	UD	Compliance	07/25/2023	A2D	Fluoride, total	mg/L	0.410	0.410	0.705	No Exceedance
APW05S	UD	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.410	0.410	0.705	No Exceedance
APW05S	UD	Compliance	01/23/2024	A3	Fluoride, total	mg/L	0.340	0.340	0.705	No Exceedance
APW05S	UD	Compliance	04/02/2024	A3R	Fluoride, total	mg/L	0.360	0.360	0.705	No Exceedance
APW05S	UD	Compliance	08/07/2024	A3D	Fluoride, total	mg/L	0.410	0.410	0.705	No Exceedance
APW05S	UD	Compliance	10/02/2024	A3DR	Fluoride, total	mg/L	0.27 J	0.25	0.705	No Exceedance
APW05S	UD	Compliance	07/25/2023	A2D	pH (field)	SU	6.9	6.9	6.6/8.0	No Exceedance
APW05S	UD	Compliance	10/10/2023	A2DR	pH (field)	SU	6.7	6.7	6.6/8.0	No Exceedance
APW05S	UD	Compliance	01/23/2024	A3	pH (field)	SU	6.7	6.7	6.6/8.0	No Exceedance
APW05S	UD	Compliance	04/02/2024	A3R	pH (field)	SU	6.9	6.9	6.6/8.0	No Exceedance
APW05S	UD	Compliance	08/07/2024	A3D	pH (field)	SU	6.4	6.4	6.6/8.0	Reported
APW05S	UD	Compliance	10/02/2024	A3DR	pH (field)	SU	6.1	6.1	6.6/8.0	Confirmed
APW05S	UD	Compliance	07/25/2023	A2D	Sulfate, total	mg/L	1,790	1,790	15.0	Reported
APW05S	UD	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	1,700	1,700	15.0	Confirmed
APW05S	UD	Compliance	01/23/2024	A3	Sulfate, total	mg/L	1,690	1,690	15.0	Reported
APW05S	UD	Compliance	04/02/2024	A3R	Sulfate, total	mg/L	1,890	1,890	15.0	Confirmed
APW05S	UD	Compliance	08/07/2024	A3D	Sulfate, total	mg/L	2,200	2,200	15.0	Reported
APW05S	UD	Compliance	10/02/2024	A3DR	Sulfate, total	mg/L	1,910	1,910	15.0	Confirmed
APW05S	UD	Compliance	07/25/2023	A2D	Total Dissolved Solids	mg/L	3,200	3,200	1,000	Reported
APW05S	UD	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	3,240	3,240	1,000	Confirmed
APW05S	UD	Compliance	01/23/2024	A3	Total Dissolved Solids	mg/L	2,920	2,920	1,000	Reported
APW05S	UD	Compliance	04/02/2024	A3R	Total Dissolved Solids	mg/L	3,330	3,330	1,000	Confirmed
APW05S	UD	Compliance	08/07/2024	A3D	Total Dissolved Solids	mg/L	3,840 J	3,840	1,000	Reported
APW05S	UD	Compliance	10/02/2024	A3DR	Total Dissolved Solids	mg/L	3,330	3,330	1,000	Confirmed
APW07	UA	Compliance	07/25/2023	A2D	Boron, total	mg/L	0.144	0.144	0.145	No Exceedance
APW07	UA	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.0680	0.0680	0.145	No Exceedance
APW07	UA	Compliance	01/23/2024	A3	Boron, total	mg/L	0.0891	0.0891	0.145	No Exceedance
APW07	UA	Compliance	04/09/2024	A3R	Boron, total	mg/L	0.0792	0.0792	0.145	No Exceedance
APW07	UA	Compliance	07/02/2024	A3D	Boron, total	mg/L	0.0769	0.0769	0.145	No Exceedance
APW07	UA	Compliance	10/08/2024	A3DR	Boron, total	mg/L	0.0886 J+	0.0886	0.145	No Exceedance
APW07	UA	Compliance	07/25/2023	A2D	Calcium, total	mg/L	90.4	90.4	66.5	Reported
APW07	UA	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	96.2	96.2	66.5	Confirmed
APW07	UA	Compliance	01/23/2024	A3	Calcium, total	mg/L	85.8	85.8	66.5	Reported
APW07	UA	Compliance	04/09/2024	A3R	Calcium, total	mg/L	94.4	94.4	66.5	Confirmed
APW07	UA	Compliance	07/02/2024	A3D	Calcium, total	mg/L	95.9	95.9	66.5	Reported
APW07	UA	Compliance	10/08/2024	A3DR	Calcium, total	mg/L	143	143	66.5	Confirmed
APW07	UA	Compliance	07/25/2023	A2D	Chloride, total	mg/L	62.0	62.0	58.0	Reported
APW07	UA	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	67.0	67.0	58.0	Confirmed
APW07	UA	Compliance	01/23/2024	A3	Chloride, total	mg/L	70.0	70.0	58.0	Reported
APW07	UA	Compliance	04/09/2024	A3R	Chloride, total	mg/L	68.0	68.0	58.0	Confirmed
APW07	UA	Compliance	07/02/2024	A3D	Chloride, total	mg/L	68.0	68.0	58.0	Reported
APW07	UA	Compliance	10/08/2024	A3DR	Chloride, total	mg/L	62.5	62.5	58.0	Confirmed
APW07	UA	Compliance	07/25/2023	A2D	Fluoride, total	mg/L	0.430	0.430	0.705	No Exceedance
APW07	UA	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.420	0.420	0.705	No Exceedance

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW07	UA	Compliance	01/23/2024	A3	Fluoride, total	mg/L	0.440	0.440	0.705	No Exceedance
APW07	UA	Compliance	04/09/2024	A3R	Fluoride, total	mg/L	0.400	0.400	0.705	No Exceedance
APW07	UA	Compliance	07/02/2024	A3D	Fluoride, total	mg/L	0.420	0.420	0.705	No Exceedance
APW07	UA	Compliance	10/08/2024	A3DR	Fluoride, total	mg/L	0.36 J	0.25	0.705	No Exceedance
APW07	UA	Compliance	07/25/2023	A2D	pH (field)	SU	7.3	7.3	6.6/8.0	No Exceedance
APW07	UA	Compliance	10/10/2023	A2DR	pH (field)	SU	7.6	7.6	6.6/8.0	No Exceedance
APW07	UA	Compliance	01/23/2024	A3	pH (field)	SU	7.0	7.0	6.6/8.0	No Exceedance
APW07	UA	Compliance	04/09/2024	A3R	pH (field)	SU	6.9	6.9	6.6/8.0	No Exceedance
APW07	UA	Compliance	07/02/2024	A3D	pH (field)	SU	7.5	7.5	6.6/8.0	No Exceedance
APW07	UA	Compliance	10/08/2024	A3DR	pH (field)	SU	7.2	7.2	6.6/8.0	No Exceedance
APW07	UA	Compliance	07/25/2023	A2D	Sulfate, total	mg/L	23.0 J+	23.0	15.0	Reported
APW07	UA	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	16.0	16.0	15.0	Confirmed
APW07	UA	Compliance	01/23/2024	A3	Sulfate, total	mg/L	32.0	32.0	15.0	Reported
APW07	UA	Compliance	04/09/2024	A3R	Sulfate, total	mg/L	22.0	22.0	15.0	Confirmed
APW07	UA	Compliance	07/02/2024	A3D	Sulfate, total	mg/L	23.0	23.0	15.0	Exceedance Not Confirmed
APW07	UA	Compliance	10/08/2024	A3DR	Sulfate, total	mg/L	14.0	14.0	15.0	No Exceedance
APW07	UA	Compliance	07/25/2023	A2D	Total Dissolved Solids	mg/L	605	605	1,000	No Exceedance
APW07	UA	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	630	630	1,000	No Exceedance
APW07	UA	Compliance	01/23/2024	A3	Total Dissolved Solids	mg/L	540	540	1,000	No Exceedance
APW07	UA	Compliance	04/09/2024	A3R	Total Dissolved Solids	mg/L	574	574	1,000	No Exceedance
APW07	UA	Compliance	07/02/2024	A3D	Total Dissolved Solids	mg/L	565	565	1,000	No Exceedance
APW07	UA	Compliance	10/08/2024	A3DR	Total Dissolved Solids	mg/L	620	620	1,000	No Exceedance
APW08	UA	Compliance	07/31/2023	A2D	Boron, total	mg/L	0.114	0.114	0.145	No Exceedance
APW08	UA	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.0710	0.0710	0.145	No Exceedance
APW08	UA	Compliance	01/18/2024	A3	Boron, total	mg/L	0.0838	0.0838	0.145	No Exceedance
APW08	UA	Compliance	04/08/2024	A3R	Boron, total	mg/L	0.0919	0.0919	0.145	No Exceedance
APW08	UA	Compliance	07/09/2024	A3D	Boron, total	mg/L	0.0923	0.0923	0.145	No Exceedance
APW08	UA	Compliance	10/02/2024	A3DR	Boron, total	mg/L	0.0811	0.0811	0.145	No Exceedance
APW08	UA	Compliance	07/31/2023	A2D	Calcium, total	mg/L	102	102	66.5	Reported
APW08	UA	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	103	103	66.5	Confirmed
APW08	UA	Compliance	01/18/2024	A3	Calcium, total	mg/L	105	105	66.5	Reported
APW08	UA	Compliance	04/08/2024	A3R	Calcium, total	mg/L	108	108	66.5	Confirmed
APW08	UA	Compliance	07/09/2024	A3D	Calcium, total	mg/L	111	111	66.5	Reported
APW08	UA	Compliance	10/02/2024	A3DR	Calcium, total	mg/L	109	109	66.5	Confirmed
APW08	UA	Compliance	07/31/2023	A2D	Chloride, total	mg/L	56.0	56.0	58.0	No Exceedance
APW08	UA	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	60.0	60.0	58.0	Exceedance Not Confirmed
APW08	UA	Compliance	01/18/2024	A3	Chloride, total	mg/L	58.0	58.0	58.0	No Exceedance
APW08	UA	Compliance	04/08/2024	A3R	Chloride, total	mg/L	61.0	61.0	58.0	Exceedance Not Confirmed
APW08	UA	Compliance	07/09/2024	A3D	Chloride, total	mg/L	54.0	54.0	58.0	No Exceedance
APW08	UA	Compliance	10/02/2024	A3DR	Chloride, total	mg/L	54.6	54.6	58.0	No Exceedance
APW08	UA	Compliance	07/31/2023	A2D	Fluoride, total	mg/L	0.440	0.440	0.705	No Exceedance
APW08	UA	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.480	0.480	0.705	No Exceedance
APW08	UA	Compliance	01/18/2024	A3	Fluoride, total	mg/L	0.490	0.490	0.705	No Exceedance
APW08	UA	Compliance	04/08/2024	A3R	Fluoride, total	mg/L	0.430	0.430	0.705	No Exceedance

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW08	UA	Compliance	07/09/2024	A3D	Fluoride, total	mg/L	0.460	0.460	0.705	No Exceedance
APW08	UA	Compliance	10/02/2024	A3DR	Fluoride, total	mg/L	0.35 J	0.25	0.705	No Exceedance
APW08	UA	Compliance	07/31/2023	A2D	pH (field)	SU	7.1	7.1	6.6/8.0	No Exceedance
APW08	UA	Compliance	10/10/2023	A2DR	pH (field)	SU	7.4	7.4	6.6/8.0	No Exceedance
APW08	UA	Compliance	01/18/2024	A3	pH (field)	SU	7.1	7.1	6.6/8.0	No Exceedance
APW08	UA	Compliance	04/08/2024	A3R	pH (field)	SU	7.2	7.2	6.6/8.0	No Exceedance
APW08	UA	Compliance	07/09/2024	A3D	pH (field)	SU	7.3	7.3	6.6/8.0	No Exceedance
APW08	UA	Compliance	10/02/2024	A3DR	pH (field)	SU	7.5	7.5	6.6/8.0	No Exceedance
APW08	UA	Compliance	07/31/2023	A2D	Sulfate, total	mg/L	53.0 J+	53.0	15.0	Reported
APW08	UA	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	57.0	57.0	15.0	Confirmed
APW08	UA	Compliance	01/18/2024	A3	Sulfate, total	mg/L	59.0	59.0	15.0	Reported
APW08	UA	Compliance	04/08/2024	A3R	Sulfate, total	mg/L	70.0	70.0	15.0	Confirmed
APW08	UA	Compliance	07/09/2024	A3D	Sulfate, total	mg/L	59.0	59.0	15.0	Reported
APW08	UA	Compliance	10/02/2024	A3DR	Sulfate, total	mg/L	46.4	46.4	15.0	Confirmed
APW08	UA	Compliance	07/31/2023	A2D	Total Dissolved Solids	mg/L	600	600	1,000	No Exceedance
APW08	UA	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	615	615	1,000	No Exceedance
APW08	UA	Compliance	01/18/2024	A3	Total Dissolved Solids	mg/L	585	585	1,000	No Exceedance
APW08	UA	Compliance	04/08/2024	A3R	Total Dissolved Solids	mg/L	650	650	1,000	No Exceedance
APW08	UA	Compliance	07/09/2024	A3D	Total Dissolved Solids	mg/L	650	650	1,000	No Exceedance
APW08	UA	Compliance	10/02/2024	A3DR	Total Dissolved Solids	mg/L	650	650	1,000	No Exceedance
APW09	UA	Compliance	07/31/2023	A2D	Boron, total	mg/L	0.121	0.121	0.145	No Exceedance
APW09	UA	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.0780	0.0780	0.145	No Exceedance
APW09	UA	Compliance	01/23/2024	A3	Boron, total	mg/L	0.0994	0.0994	0.145	No Exceedance
APW09	UA	Compliance	04/09/2024	A3R	Boron, total	mg/L	0.0934	0.0934	0.145	No Exceedance
APW09	UA	Compliance	07/02/2024	A3D	Boron, total	mg/L	0.100	0.100	0.145	No Exceedance
APW09	UA	Compliance	10/08/2024	A3DR	Boron, total	mg/L	0.125	0.125	0.145	No Exceedance
APW09	UA	Compliance	07/31/2023	A2D	Calcium, total	mg/L	78.4	78.4	66.5	Reported
APW09	UA	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	69.2	69.2	66.5	Confirmed
APW09	UA	Compliance	01/23/2024	A3	Calcium, total	mg/L	82.0	82.0	66.5	Reported
APW09	UA	Compliance	04/09/2024	A3R	Calcium, total	mg/L	76.2	76.2	66.5	Confirmed
APW09	UA	Compliance	07/02/2024	A3D	Calcium, total	mg/L	86.6	86.6	66.5	Reported
APW09	UA	Compliance	10/08/2024	A3DR	Calcium, total	mg/L	78.7	78.7	66.5	Confirmed
APW09	UA	Compliance	07/31/2023	A2D	Chloride, total	mg/L	134	134	58.0	Reported
APW09	UA	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	94.0	94.0	58.0	Confirmed
APW09	UA	Compliance	01/23/2024	A3	Chloride, total	mg/L	141	141	58.0	Reported
APW09	UA	Compliance	04/09/2024	A3R	Chloride, total	mg/L	125	125	58.0	Confirmed
APW09	UA	Compliance	07/02/2024	A3D	Chloride, total	mg/L	143	143	58.0	Reported
APW09	UA	Compliance	10/08/2024	A3DR	Chloride, total	mg/L	137	137	58.0	Confirmed
APW09	UA	Compliance	07/31/2023	A2D	Fluoride, total	mg/L	0.500	0.500	0.705	No Exceedance
APW09	UA	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.630	0.630	0.705	No Exceedance
APW09	UA	Compliance	01/23/2024	A3	Fluoride, total	mg/L	0.440	0.440	0.705	No Exceedance
APW09	UA	Compliance	04/09/2024	A3R	Fluoride, total	mg/L	0.490	0.490	0.705	No Exceedance
APW09	UA	Compliance	07/02/2024	A3D	Fluoride, total	mg/L	0.540	0.540	0.705	No Exceedance
APW09	UA	Compliance	10/08/2024	A3DR	Fluoride, total	mg/L	0.43 J	0.25	0.705	No Exceedance
APW09	UA	Compliance	07/31/2023	A2D	pH (field)	SU	7.2	7.2	6.6/8.0	No Exceedance
APW09	UA	Compliance	10/10/2023	A2DR	pH (field)	SU	7.6	7.6	6.6/8.0	No Exceedance

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW09	UA	Compliance	01/23/2024	A3	pH (field)	SU	7.4	7.4	6.6/8.0	No Exceedance
APW09	UA	Compliance	04/09/2024	A3R	pH (field)	SU	7.5	7.5	6.6/8.0	No Exceedance
APW09	UA	Compliance	07/02/2024	A3D	pH (field)	SU	7.6	7.6	6.6/8.0	No Exceedance
APW09	UA	Compliance	10/08/2024	A3DR	pH (field)	SU	7.3	7.3	6.6/8.0	No Exceedance
APW09	UA	Compliance	07/31/2023	A2D	Sulfate, total	mg/L	19.0 J+	19.0	15.0	Reported
APW09	UA	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	32.0	32.0	15.0	Confirmed
APW09	UA	Compliance	01/23/2024	A3	Sulfate, total	mg/L	11.0	11.0	15.0	No Exceedance
APW09	UA	Compliance	04/09/2024	A3R	Sulfate, total	mg/L	13.0	13.0	15.0	No Exceedance
APW09	UA	Compliance	07/02/2024	A3D	Sulfate, total	mg/L	40 J	25	15.0	Exceedance Not Confirmed
APW09	UA	Compliance	10/08/2024	A3DR	Sulfate, total	mg/L	5.5 J	5	15.0	No Exceedance
APW09	UA	Compliance	07/31/2023	A2D	Total Dissolved Solids	mg/L	805	805	1,000	No Exceedance
APW09	UA	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	760	760	1,000	No Exceedance
APW09	UA	Compliance	01/23/2024	A3	Total Dissolved Solids	mg/L	810	810	1,000	No Exceedance
APW09	UA	Compliance	04/09/2024	A3R	Total Dissolved Solids	mg/L	795	795	1,000	No Exceedance
APW09	UA	Compliance	07/02/2024	A3D	Total Dissolved Solids	mg/L	790	790	1,000	No Exceedance
APW09	UA	Compliance	10/08/2024	A3DR	Total Dissolved Solids	mg/L	815	815	1,000	No Exceedance
APW10	UA	Compliance	07/31/2023	A2D	Boron, total	mg/L	0.0923	0.0923	0.145	No Exceedance
APW10	UA	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.0626	0.0626	0.145	No Exceedance
APW10	UA	Compliance	01/23/2024	A3	Boron, total	mg/L	0.0250 J	0.0250	0.145	No Exceedance
APW10	UA	Compliance	04/08/2024	A3R	Boron, total	mg/L	0.0986	0.0986	0.145	No Exceedance
APW10	UA	Compliance	07/02/2024	A3D	Boron, total	mg/L	0.0702	0.0702	0.145	No Exceedance
APW10	UA	Compliance	10/01/2024	A3DR	Boron, total	mg/L	0.0804	0.0804	0.145	No Exceedance
APW10	UA	Compliance	07/31/2023	A2D	Calcium, total	mg/L	140	140	66.5	Reported
APW10	UA	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	146	146	66.5	Confirmed
APW10	UA	Compliance	01/23/2024	A3	Calcium, total	mg/L	221	221	66.5	Reported
APW10	UA	Compliance	04/08/2024	A3R	Calcium, total	mg/L	148	148	66.5	Confirmed
APW10	UA	Compliance	07/02/2024	A3D	Calcium, total	mg/L	143	143	66.5	Reported
APW10	UA	Compliance	10/01/2024	A3DR	Calcium, total	mg/L	154	154	66.5	Confirmed
APW10	UA	Compliance	07/31/2023	A2D	Chloride, total	mg/L	45.0	45.0	58.0	No Exceedance
APW10	UA	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	43.0	43.0	58.0	No Exceedance
APW10	UA	Compliance	01/23/2024	A3	Chloride, total	mg/L	35.0	35.0	58.0	No Exceedance
APW10	UA	Compliance	04/08/2024	A3R	Chloride, total	mg/L	44.0	44.0	58.0	No Exceedance
APW10	UA	Compliance	07/02/2024	A3D	Chloride, total	mg/L	44.0	44.0	58.0	No Exceedance
APW10	UA	Compliance	10/01/2024	A3DR	Chloride, total	mg/L	43.5	43.5	58.0	No Exceedance
APW10	UA	Compliance	07/31/2023	A2D	Fluoride, total	mg/L	0.320	0.320	0.705	No Exceedance
APW10	UA	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.340	0.340	0.705	No Exceedance
APW10	UA	Compliance	01/23/2024	A3	Fluoride, total	mg/L	0.150	0.150	0.705	No Exceedance
APW10	UA	Compliance	04/08/2024	A3R	Fluoride, total	mg/L	0.310	0.310	0.705	No Exceedance
APW10	UA	Compliance	07/02/2024	A3D	Fluoride, total	mg/L	0.340	0.340	0.705	No Exceedance
APW10	UA	Compliance	10/01/2024	A3DR	Fluoride, total	mg/L	0.23 J	0.5	0.705	No Exceedance
APW10	UA	Compliance	07/31/2023	A2D	pH (field)	SU	7.1	7.1	6.6/8.0	No Exceedance
APW10	UA	Compliance	10/10/2023	A2DR	pH (field)	SU	7.3	7.3	6.6/8.0	No Exceedance
APW10	UA	Compliance	01/23/2024	A3	pH (field)	SU	7.1	7.1	6.6/8.0	No Exceedance
APW10	UA	Compliance	04/08/2024	A3R	pH (field)	SU	7.1	7.1	6.6/8.0	No Exceedance
APW10	UA	Compliance	07/02/2024	A3D	pH (field)	SU	7.1	7.1	6.6/8.0	No Exceedance

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW10	UA	Compliance	10/01/2024	A3DR	pH (field)	SU	7.5	7.5	6.6/8.0	No Exceedance
APW10	UA	Compliance	07/31/2023	A2D	Sulfate, total	mg/L	421	421	15.0	Reported
APW10	UA	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	399	399	15.0	Confirmed
APW10	UA	Compliance	01/23/2024	A3	Sulfate, total	mg/L	785	785	15.0	Reported
APW10	UA	Compliance	04/08/2024	A3R	Sulfate, total	mg/L	416	416	15.0	Confirmed
APW10	UA	Compliance	07/02/2024	A3D	Sulfate, total	mg/L	416	416	15.0	Reported
APW10	UA	Compliance	10/01/2024	A3DR	Sulfate, total	mg/L	408	408	15.0	Confirmed
APW10	UA	Compliance	07/31/2023	A2D	Total Dissolved Solids	mg/L	1,060	1,060	1,000	Reported
APW10	UA	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	1,050	1,050	1,000	Confirmed
APW10	UA	Compliance	01/23/2024	A3	Total Dissolved Solids	mg/L	1,690	1,690	1,000	Reported
APW10	UA	Compliance	04/08/2024	A3R	Total Dissolved Solids	mg/L	1,010	1,010	1,000	Confirmed
APW10	UA	Compliance	07/02/2024	A3D	Total Dissolved Solids	mg/L	1,130	1,130	1,000	Reported
APW10	UA	Compliance	10/01/2024	A3DR	Total Dissolved Solids	mg/L	1,040	1,040	1,000	Confirmed
APW11	UA	Compliance	07/24/2023	A2D	Boron, total	mg/L	0.0646	0.0646	0.145	No Exceedance
APW11	UA	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.0578	0.0578	0.145	No Exceedance
APW11	UA	Compliance	01/16/2024	A3	Boron, total	mg/L	0.268	0.268	0.145	Exceedance Not Confirmed
APW11	UA	Compliance	04/04/2024	A3R	Boron, total	mg/L	0.0688	0.0688	0.145	No Exceedance
APW11	UA	Compliance	07/02/2024	A3D	Boron, total	mg/L	0.0759	0.0759	0.145	No Exceedance
APW11	UA	Compliance	10/01/2024	A3DR	Boron, total	mg/L	0.0628	0.0628	0.145	No Exceedance
APW11	UA	Compliance	07/24/2023	A2D	Calcium, total	mg/L	122	122	66.5	Reported
APW11	UA	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	126	126	66.5	Confirmed
APW11	UA	Compliance	01/16/2024	A3	Calcium, total	mg/L	141	141	66.5	Reported
APW11	UA	Compliance	04/04/2024	A3R	Calcium, total	mg/L	140	140	66.5	Confirmed
APW11	UA	Compliance	07/02/2024	A3D	Calcium, total	mg/L	125	125	66.5	Reported
APW11	UA	Compliance	10/01/2024	A3DR	Calcium, total	mg/L	137	137	66.5	Confirmed
APW11	UA	Compliance	07/24/2023	A2D	Chloride, total	mg/L	25.0	25.0	58.0	No Exceedance
APW11	UA	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	26.0	26.0	58.0	No Exceedance
APW11	UA	Compliance	01/16/2024	A3	Chloride, total	mg/L	24.0	24.0	58.0	No Exceedance
APW11	UA	Compliance	04/04/2024	A3R	Chloride, total	mg/L	25.0	25.0	58.0	No Exceedance
APW11	UA	Compliance	07/02/2024	A3D	Chloride, total	mg/L	26.0	26.0	58.0	No Exceedance
APW11	UA	Compliance	10/01/2024	A3DR	Chloride, total	mg/L	24.1	24.1	58.0	No Exceedance
APW11	UA	Compliance	07/24/2023	A2D	Fluoride, total	mg/L	0.320	0.320	0.705	No Exceedance
APW11	UA	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.370	0.370	0.705	No Exceedance
APW11	UA	Compliance	01/16/2024	A3	Fluoride, total	mg/L	0.330	0.330	0.705	No Exceedance
APW11	UA	Compliance	04/04/2024	A3R	Fluoride, total	mg/L	0.350	0.350	0.705	No Exceedance
APW11	UA	Compliance	07/02/2024	A3D	Fluoride, total	mg/L	0.370	0.370	0.705	No Exceedance
APW11	UA	Compliance	10/01/2024	A3DR	Fluoride, total	mg/L	0.21 J	0.5	0.705	No Exceedance
APW11	UA	Compliance	07/24/2023	A2D	pH (field)	SU	7.2	7.2	6.6/8.0	No Exceedance
APW11	UA	Compliance	10/10/2023	A2DR	pH (field)	SU	7.5	7.5	6.6/8.0	No Exceedance
APW11	UA	Compliance	01/16/2024	A3	pH (field)	SU	6.9	6.9	6.6/8.0	No Exceedance
APW11	UA	Compliance	04/04/2024	A3R	pH (field)	SU	7.2	7.2	6.6/8.0	No Exceedance
APW11	UA	Compliance	07/02/2024	A3D	pH (field)	SU	7.0	7.0	6.6/8.0	No Exceedance
APW11	UA	Compliance	10/01/2024	A3DR	pH (field)	SU	7.6	7.6	6.6/8.0	No Exceedance
APW11	UA	Compliance	07/24/2023	A2D	Sulfate, total	mg/L	268	268	15.0	Reported
APW11	UA	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	277	277	15.0	Confirmed

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW11	UA	Compliance	01/16/2024	A3	Sulfate, total	mg/L	288	288	15.0	Reported
APW11	UA	Compliance	04/04/2024	A3R	Sulfate, total	mg/L	304	304	15.0	Confirmed
APW11	UA	Compliance	07/02/2024	A3D	Sulfate, total	mg/L	286	286	15.0	Reported
APW11	UA	Compliance	10/01/2024	A3DR	Sulfate, total	mg/L	280	280	15.0	Confirmed
APW11	UA	Compliance	07/24/2023	A2D	Total Dissolved Solids	mg/L	840	840	1,000	No Exceedance
APW11	UA	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	835	835	1,000	No Exceedance
APW11	UA	Compliance	01/16/2024	A3	Total Dissolved Solids	mg/L	740	740	1,000	No Exceedance
APW11	UA	Compliance	04/04/2024	A3R	Total Dissolved Solids	mg/L	840	840	1,000	No Exceedance
APW11	UA	Compliance	07/02/2024	A3D	Total Dissolved Solids	mg/L	850	850	1,000	No Exceedance
APW11	UA	Compliance	10/01/2024	A3DR	Total Dissolved Solids	mg/L	825 J	825	1,000	No Exceedance
APW12	UD	Compliance	07/24/2023	A2D	Boron, total	mg/L	0.521	0.521	0.145	Reported
APW12	UD	Compliance	10/11/2023	A2DR	Boron, total	mg/L	0.724	0.724	0.145	Confirmed
APW12	UD	Compliance	01/16/2024	A3	Boron, total	mg/L	0.997	0.997	0.145	Reported
APW12	UD	Compliance	04/04/2024	A3R	Boron, total	mg/L	0.740	0.740	0.145	Confirmed
APW12	UD	Compliance	07/02/2024	A3D	Boron, total	mg/L	1.17	1.17	0.145	Reported
APW12	UD	Compliance	10/01/2024	A3DR	Boron, total	mg/L	0.793	0.793	0.145	Confirmed
APW12	UD	Compliance	07/24/2023	A2D	Calcium, total	mg/L	245	245	66.5	Reported
APW12	UD	Compliance	10/11/2023	A2DR	Calcium, total	mg/L	275	275	66.5	Confirmed
APW12	UD	Compliance	01/16/2024	A3	Calcium, total	mg/L	270	270	66.5	Reported
APW12	UD	Compliance	04/04/2024	A3R	Calcium, total	mg/L	285	285	66.5	Confirmed
APW12	UD	Compliance	07/02/2024	A3D	Calcium, total	mg/L	266	266	66.5	Reported
APW12	UD	Compliance	10/01/2024	A3DR	Calcium, total	mg/L	290	290	66.5	Confirmed
APW12	UD	Compliance	07/24/2023	A2D	Chloride, total	mg/L	25.0	25.0	58.0	No Exceedance
APW12	UD	Compliance	10/11/2023	A2DR	Chloride, total	mg/L	31.0	31.0	58.0	No Exceedance
APW12	UD	Compliance	01/16/2024	A3	Chloride, total	mg/L	29.0	29.0	58.0	No Exceedance
APW12	UD	Compliance	04/04/2024	A3R	Chloride, total	mg/L	30.0	30.0	58.0	No Exceedance
APW12	UD	Compliance	07/02/2024	A3D	Chloride, total	mg/L	30.0	30.0	58.0	No Exceedance
APW12	UD	Compliance	10/01/2024	A3DR	Chloride, total	mg/L	27.6	27.6	58.0	No Exceedance
APW12	UD	Compliance	07/24/2023	A2D	Fluoride, total	mg/L	0.150	0.150	0.705	No Exceedance
APW12	UD	Compliance	10/11/2023	A2DR	Fluoride, total	mg/L	0.220	0.220	0.705	No Exceedance
APW12	UD	Compliance	01/16/2024	A3	Fluoride, total	mg/L	0.170	0.170	0.705	No Exceedance
APW12	UD	Compliance	04/04/2024	A3R	Fluoride, total	mg/L	0.170	0.170	0.705	No Exceedance
APW12	UD	Compliance	07/02/2024	A3D	Fluoride, total	mg/L	0.180	0.180	0.705	No Exceedance
APW12	UD	Compliance	10/01/2024	A3DR	Fluoride, total	mg/L	0.2 U	0.5	0.705	No Exceedance
APW12	UD	Compliance	07/24/2023	A2D	pH (field)	SU	6.4	6.4	6.6/8.0	Reported
APW12	UD	Compliance	10/11/2023	A2DR	pH (field)	SU	6.1	6.1	6.6/8.0	Confirmed
APW12	UD	Compliance	01/16/2024	A3	pH (field)	SU	6.4	6.4	6.6/8.0	Reported
APW12	UD	Compliance	04/04/2024	A3R	pH (field)	SU	6.5	6.5	6.6/8.0	Confirmed
APW12	UD	Compliance	07/02/2024	A3D	pH (field)	SU	6.5	6.5	6.6/8.0	Exceedance Not Confirmed
APW12	UD	Compliance	10/01/2024	A3DR	pH (field)	SU	7.4	7.4	6.6/8.0	No Exceedance
APW12	UD	Compliance	07/24/2023	A2D	Sulfate, total	mg/L	655	655	15.0	Reported
APW12	UD	Compliance	10/11/2023	A2DR	Sulfate, total	mg/L	712	712	15.0	Confirmed
APW12	UD	Compliance	01/16/2024	A3	Sulfate, total	mg/L	652	652	15.0	Reported
APW12	UD	Compliance	04/04/2024	A3R	Sulfate, total	mg/L	750	750	15.0	Confirmed
APW12	UD	Compliance	07/02/2024	A3D	Sulfate, total	mg/L	835	835	15.0	Reported

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW12	UD	Compliance	10/01/2024	A3DR	Sulfate, total	mg/L	829	829	15.0	Confirmed
APW12	UD	Compliance	07/24/2023	A2D	Total Dissolved Solids	mg/L	1,700	1,700	1,000	Reported
APW12	UD	Compliance	10/11/2023	A2DR	Total Dissolved Solids	mg/L	1,740	1,740	1,000	Confirmed
APW12	UD	Compliance	01/16/2024	A3	Total Dissolved Solids	mg/L	1,670	1,670	1,000	Reported
APW12	UD	Compliance	04/04/2024	A3R	Total Dissolved Solids	mg/L	1,610	1,610	1,000	Confirmed
APW12	UD	Compliance	07/02/2024	A3D	Total Dissolved Solids	mg/L	1,960	1,960	1,000	Reported
APW12	UD	Compliance	10/01/2024	A3DR	Total Dissolved Solids	mg/L	1,850	1,850	1,000	Confirmed
APW13	UA	Compliance	07/31/2023	A2D	Boron, total	mg/L	0.143	0.143	0.145	No Exceedance
APW13	UA	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.102	0.102	0.145	No Exceedance
APW13	UA	Compliance	01/17/2024	A3	Boron, total	mg/L	0.0965	0.0965	0.145	No Exceedance
APW13	UA	Compliance	04/08/2024	A3R	Boron, total	mg/L	0.122	0.122	0.145	No Exceedance
APW13	UA	Compliance	07/02/2024	A3D	Boron, total	mg/L	0.138	0.138	0.145	No Exceedance
APW13	UA	Compliance	10/01/2024	A3DR	Boron, total	mg/L	0.113	0.113	0.145	No Exceedance
APW13	UA	Compliance	07/31/2023	A2D	Calcium, total	mg/L	121	121	66.5	Reported
APW13	UA	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	120	120	66.5	Confirmed
APW13	UA	Compliance	01/17/2024	A3	Calcium, total	mg/L	126	126	66.5	Reported
APW13	UA	Compliance	04/08/2024	A3R	Calcium, total	mg/L	128	128	66.5	Confirmed
APW13	UA	Compliance	07/02/2024	A3D	Calcium, total	mg/L	125	125	66.5	Reported
APW13	UA	Compliance	10/01/2024	A3DR	Calcium, total	mg/L	137	137	66.5	Confirmed
APW13	UA	Compliance	07/31/2023	A2D	Chloride, total	mg/L	48.0	48.0	58.0	No Exceedance
APW13	UA	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	53.0	53.0	58.0	No Exceedance
APW13	UA	Compliance	01/17/2024	A3	Chloride, total	mg/L	54.0	54.0	58.0	No Exceedance
APW13	UA	Compliance	04/08/2024	A3R	Chloride, total	mg/L	53.0	53.0	58.0	No Exceedance
APW13	UA	Compliance	07/02/2024	A3D	Chloride, total	mg/L	53.0	53.0	58.0	No Exceedance
APW13	UA	Compliance	10/01/2024	A3DR	Chloride, total	mg/L	51.0	51.0	58.0	No Exceedance
APW13	UA	Compliance	07/31/2023	A2D	Fluoride, total	mg/L	0.420	0.420	0.705	No Exceedance
APW13	UA	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.440	0.440	0.705	No Exceedance
APW13	UA	Compliance	01/17/2024	A3	Fluoride, total	mg/L	0.450	0.450	0.705	No Exceedance
APW13	UA	Compliance	04/08/2024	A3R	Fluoride, total	mg/L	0.410	0.410	0.705	No Exceedance
APW13	UA	Compliance	07/02/2024	A3D	Fluoride, total	mg/L	0.450	0.450	0.705	No Exceedance
APW13	UA	Compliance	10/01/2024	A3DR	Fluoride, total	mg/L	0.28 J	0.25	0.705	No Exceedance
APW13	UA	Compliance	07/31/2023	A2D	pH (field)	SU	6.9	6.9	6.6/8.0	No Exceedance
APW13	UA	Compliance	10/10/2023	A2DR	pH (field)	SU	7.2	7.2	6.6/8.0	No Exceedance
APW13	UA	Compliance	01/17/2024	A3	pH (field)	SU	7.1	7.1	6.6/8.0	No Exceedance
APW13	UA	Compliance	04/08/2024	A3R	pH (field)	SU	7.1	7.1	6.6/8.0	No Exceedance
APW13	UA	Compliance	07/02/2024	A3D	pH (field)	SU	7.1	7.1	6.6/8.0	No Exceedance
APW13	UA	Compliance	10/01/2024	A3DR	pH (field)	SU	7.5	7.5	6.6/8.0	No Exceedance
APW13	UA	Compliance	07/31/2023	A2D	Sulfate, total	mg/L	233	233	15.0	Reported
APW13	UA	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	234	234	15.0	Confirmed
APW13	UA	Compliance	01/17/2024	A3	Sulfate, total	mg/L	259	259	15.0	Reported
APW13	UA	Compliance	04/08/2024	A3R	Sulfate, total	mg/L	250	250	15.0	Confirmed
APW13	UA	Compliance	07/02/2024	A3D	Sulfate, total	mg/L	262	262	15.0	Reported
APW13	UA	Compliance	10/01/2024	A3DR	Sulfate, total	mg/L	244	244	15.0	Confirmed
APW13	UA	Compliance	07/31/2023	A2D	Total Dissolved Solids	mg/L	875	875	1,000	No Exceedance
APW13	UA	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	936	936	1,000	No Exceedance
APW13	UA	Compliance	01/17/2024	A3	Total Dissolved Solids	mg/L	920	920	1,000	No Exceedance

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW13	UA	Compliance	04/08/2024	A3R	Total Dissolved Solids	mg/L	950	950	1,000	No Exceedance
APW13	UA	Compliance	07/02/2024	A3D	Total Dissolved Solids	mg/L	900	900	1,000	No Exceedance
APW13	UA	Compliance	10/01/2024	A3DR	Total Dissolved Solids	mg/L	830	830	1,000	No Exceedance
APW14	UA	Compliance	07/31/2023	A2D	Boron, total	mg/L	0.103	0.103	0.145	No Exceedance
APW14	UA	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.0888	0.0888	0.145	No Exceedance
APW14	UA	Compliance	01/17/2024	A3	Boron, total	mg/L	0.0847	0.0847	0.145	No Exceedance
APW14	UA	Compliance	04/04/2024	A3R	Boron, total	mg/L	0.0790	0.0790	0.145	No Exceedance
APW14	UA	Compliance	08/07/2024	A3D	Boron, total	mg/L	0.0823	0.0823	0.145	No Exceedance
APW14	UA	Compliance	10/01/2024	A3DR	Boron, total	mg/L	0.0951	0.0951	0.145	No Exceedance
APW14	UA	Compliance	07/31/2023	A2D	Calcium, total	mg/L	133	133	66.5	Reported
APW14	UA	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	138	138	66.5	Confirmed
APW14	UA	Compliance	01/17/2024	A3	Calcium, total	mg/L	140	140	66.5	Reported
APW14	UA	Compliance	04/04/2024	A3R	Calcium, total	mg/L	150	150	66.5	Confirmed
APW14	UA	Compliance	08/07/2024	A3D	Calcium, total	mg/L	140	140	66.5	Reported
APW14	UA	Compliance	10/01/2024	A3DR	Calcium, total	mg/L	151	151	66.5	Confirmed
APW14	UA	Compliance	07/31/2023	A2D	Chloride, total	mg/L	42.0	42.0	58.0	No Exceedance
APW14	UA	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	41.0	41.0	58.0	No Exceedance
APW14	UA	Compliance	01/17/2024	A3	Chloride, total	mg/L	44.0	44.0	58.0	No Exceedance
APW14	UA	Compliance	04/04/2024	A3R	Chloride, total	mg/L	40.0	40.0	58.0	No Exceedance
APW14	UA	Compliance	08/07/2024	A3D	Chloride, total	mg/L	43.0	43.0	58.0	No Exceedance
APW14	UA	Compliance	10/01/2024	A3DR	Chloride, total	mg/L	41.0	41.0	58.0	No Exceedance
APW14	UA	Compliance	07/31/2023	A2D	Fluoride, total	mg/L	0.310	0.310	0.705	No Exceedance
APW14	UA	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.330	0.330	0.705	No Exceedance
APW14	UA	Compliance	01/17/2024	A3	Fluoride, total	mg/L	0.340	0.340	0.705	No Exceedance
APW14	UA	Compliance	04/04/2024	A3R	Fluoride, total	mg/L	0.320	0.320	0.705	No Exceedance
APW14	UA	Compliance	08/07/2024	A3D	Fluoride, total	mg/L	0.340	0.340	0.705	No Exceedance
APW14	UA	Compliance	10/01/2024	A3DR	Fluoride, total	mg/L	0.22 J	0.5	0.705	No Exceedance
APW14	UA	Compliance	07/31/2023	A2D	pH (field)	SU	7.0	7.0	6.6/8.0	No Exceedance
APW14	UA	Compliance	10/10/2023	A2DR	pH (field)	SU	7.3	7.3	6.6/8.0	No Exceedance
APW14	UA	Compliance	01/17/2024	A3	pH (field)	SU	7.2	7.2	6.6/8.0	No Exceedance
APW14	UA	Compliance	04/04/2024	A3R	pH (field)	SU	7.2	7.2	6.6/8.0	No Exceedance
APW14	UA	Compliance	08/07/2024	A3D	pH (field)	SU	7.3	7.3	6.6/8.0	No Exceedance
APW14	UA	Compliance	10/01/2024	A3DR	pH (field)	SU	7.0	7.0	6.6/8.0	No Exceedance
APW14	UA	Compliance	07/31/2023	A2D	Sulfate, total	mg/L	370	370	15.0	Reported
APW14	UA	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	358	358	15.0	Confirmed
APW14	UA	Compliance	01/17/2024	A3	Sulfate, total	mg/L	376	376	15.0	Reported
APW14	UA	Compliance	04/04/2024	A3R	Sulfate, total	mg/L	380	380	15.0	Confirmed
APW14	UA	Compliance	08/07/2024	A3D	Sulfate, total	mg/L	396	396	15.0	Reported
APW14	UA	Compliance	10/01/2024	A3DR	Sulfate, total	mg/L	361	361	15.0	Confirmed
APW14	UA	Compliance	07/31/2023	A2D	Total Dissolved Solids	mg/L	990	990	1,000	No Exceedance
APW14	UA	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	990	990	1,000	No Exceedance
APW14	UA	Compliance	01/17/2024	A3	Total Dissolved Solids	mg/L	1,000	1,000	1,000	No Exceedance
APW14	UA	Compliance	04/04/2024	A3R	Total Dissolved Solids	mg/L	940	940	1,000	No Exceedance
APW14	UA	Compliance	08/07/2024	A3D	Total Dissolved Solids	mg/L	1,060 J	1,060	1,000	Exceedance Not Confirmed
APW14	UA	Compliance	10/01/2024	A3DR	Total Dissolved Solids	mg/L	910	910	1,000	No Exceedance

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW15	UA	Compliance	08/01/2023	A2D	Boron, total	mg/L	0.117	0.117	0.145	No Exceedance
APW15	UA	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.123	0.123	0.145	No Exceedance
APW15	UA	Compliance	01/18/2024	A3	Boron, total	mg/L	0.126	0.126	0.145	No Exceedance
APW15	UA	Compliance	04/04/2024	A3R	Boron, total	mg/L	0.112	0.112	0.145	No Exceedance
APW15	UA	Compliance	08/07/2024	A3D	Boron, total	mg/L	0.130	0.130	0.145	No Exceedance
APW15	UA	Compliance	10/01/2024	A3DR	Boron, total	mg/L	0.123	0.123	0.145	No Exceedance
APW15	UA	Compliance	08/01/2023	A2D	Calcium, total	mg/L	100	100	66.5	Reported
APW15	UA	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	96.0	96.0	66.5	Confirmed
APW15	UA	Compliance	01/18/2024	A3	Calcium, total	mg/L	90.3	90.3	66.5	Reported
APW15	UA	Compliance	04/04/2024	A3R	Calcium, total	mg/L	109	109	66.5	Confirmed
APW15	UA	Compliance	08/07/2024	A3D	Calcium, total	mg/L	95.6	95.6	66.5	Reported
APW15	UA	Compliance	10/01/2024	A3DR	Calcium, total	mg/L	105	105	66.5	Confirmed
APW15	UA	Compliance	08/01/2023	A2D	Chloride, total	mg/L	235	235	58.0	Reported
APW15	UA	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	227	227	58.0	Confirmed
APW15	UA	Compliance	01/18/2024	A3	Chloride, total	mg/L	246	246	58.0	Reported
APW15	UA	Compliance	04/04/2024	A3R	Chloride, total	mg/L	234	234	58.0	Confirmed
APW15	UA	Compliance	08/07/2024	A3D	Chloride, total	mg/L	249	249	58.0	Reported
APW15	UA	Compliance	10/01/2024	A3DR	Chloride, total	mg/L	263	263	58.0	Confirmed
APW15	UA	Compliance	08/01/2023	A2D	Fluoride, total	mg/L	0.460	0.460	0.705	No Exceedance
APW15	UA	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.480	0.480	0.705	No Exceedance
APW15	UA	Compliance	01/18/2024	A3	Fluoride, total	mg/L	0.530	0.530	0.705	No Exceedance
APW15	UA	Compliance	04/04/2024	A3R	Fluoride, total	mg/L	0.480	0.480	0.705	No Exceedance
APW15	UA	Compliance	08/07/2024	A3D	Fluoride, total	mg/L	0.490	0.490	0.705	No Exceedance
APW15	UA	Compliance	10/01/2024	A3DR	Fluoride, total	mg/L	0.36 J	0.25	0.705	No Exceedance
APW15	UA	Compliance	08/01/2023	A2D	pH (field)	SU	6.9	6.9	6.6/8.0	No Exceedance
APW15	UA	Compliance	10/10/2023	A2DR	pH (field)	SU	7.1	7.1	6.6/8.0	No Exceedance
APW15	UA	Compliance	01/18/2024	A3	pH (field)	SU	6.9	6.9	6.6/8.0	No Exceedance
APW15	UA	Compliance	04/04/2024	A3R	pH (field)	SU	7.0	7.0	6.6/8.0	No Exceedance
APW15	UA	Compliance	08/07/2024	A3D	pH (field)	SU	7.1	7.1	6.6/8.0	No Exceedance
APW15	UA	Compliance	10/01/2024	A3DR	pH (field)	SU	7.3	7.3	6.6/8.0	No Exceedance
APW15	UA	Compliance	08/01/2023	A2D	Sulfate, total	mg/L	16.0 J+	16.0	15.0	Exceedance Not Confirmed
APW15	UA	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	12.0	12.0	15.0	No Exceedance
APW15	UA	Compliance	01/18/2024	A3	Sulfate, total	mg/L	11.0	11.0	15.0	No Exceedance
APW15	UA	Compliance	04/04/2024	A3R	Sulfate, total	mg/L	12.0	12.0	15.0	No Exceedance
APW15	UA	Compliance	08/07/2024	A3D	Sulfate, total	mg/L	18 J	20	15.0	Exceedance Not Confirmed
APW15	UA	Compliance	10/01/2024	A3DR	Sulfate, total	mg/L	3 U	10	15.0	No Exceedance
APW15	UA	Compliance	08/01/2023	A2D	Total Dissolved Solids	mg/L	1,120	1,120	1,000	Reported
APW15	UA	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	1,140	1,140	1,000	Confirmed
APW15	UA	Compliance	01/18/2024	A3	Total Dissolved Solids	mg/L	990	990	1,000	No Exceedance
APW15	UA	Compliance	04/04/2024	A3R	Total Dissolved Solids	mg/L	310	310	1,000	No Exceedance
APW15	UA	Compliance	08/07/2024	A3D	Total Dissolved Solids	mg/L	1,210 J	1,210	1,000	Reported
APW15	UA	Compliance	10/01/2024	A3DR	Total Dissolved Solids	mg/L	1,130	1,130	1,000	Confirmed
APW16	UA	Compliance	07/31/2023	A2D	Boron, total	mg/L	0.147	0.147	0.145	Exceedance Not Confirmed
APW16	UA	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.126	0.126	0.145	No Exceedance

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW16	UA	Compliance	01/17/2024	A3	Boron, total	mg/L	0.124	0.124	0.145	No Exceedance
APW16	UA	Compliance	04/04/2024	A3R	Boron, total	mg/L	0.120	0.120	0.145	No Exceedance
APW16	UA	Compliance	07/10/2024	A3D	Boron, total	mg/L	0.137	0.137	0.145	No Exceedance
APW16	UA	Compliance	10/02/2024	A3DR	Boron, total	mg/L	0.125	0.125	0.145	No Exceedance
APW16	UA	Compliance	07/31/2023	A2D	Calcium, total	mg/L	94.0	94.0	66.5	Reported
APW16	UA	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	92.9	92.9	66.5	Confirmed
APW16	UA	Compliance	01/17/2024	A3	Calcium, total	mg/L	97.2	97.2	66.5	Reported
APW16	UA	Compliance	04/04/2024	A3R	Calcium, total	mg/L	105	105	66.5	Confirmed
APW16	UA	Compliance	07/10/2024	A3D	Calcium, total	mg/L	101	101	66.5	Reported
APW16	UA	Compliance	10/02/2024	A3DR	Calcium, total	mg/L	108	108	66.5	Confirmed
APW16	UA	Compliance	07/31/2023	A2D	Chloride, total	mg/L	64.0	64.0	58.0	Reported
APW16	UA	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	69.0	69.0	58.0	Confirmed
APW16	UA	Compliance	01/17/2024	A3	Chloride, total	mg/L	69.0	69.0	58.0	Reported
APW16	UA	Compliance	04/04/2024	A3R	Chloride, total	mg/L	68.0	68.0	58.0	Confirmed
APW16	UA	Compliance	07/10/2024	A3D	Chloride, total	mg/L	66.0	66.0	58.0	Reported
APW16	UA	Compliance	10/02/2024	A3DR	Chloride, total	mg/L	66.7	66.7	58.0	Confirmed
APW16	UA	Compliance	07/31/2023	A2D	Fluoride, total	mg/L	0.720	0.720	0.705	Reported
APW16	UA	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.770	0.770	0.705	Confirmed
APW16	UA	Compliance	01/17/2024	A3	Fluoride, total	mg/L	0.790	0.790	0.705	Reported
APW16	UA	Compliance	04/04/2024	A3R	Fluoride, total	mg/L	0.770	0.770	0.705	Confirmed
APW16	UA	Compliance	07/10/2024	A3D	Fluoride, total	mg/L	0.760	0.760	0.705	Exceedance Not Confirmed
APW16	UA	Compliance	10/02/2024	A3DR	Fluoride, total	mg/L	0.680	0.680	0.705	No Exceedance
APW16	UA	Compliance	07/31/2023	A2D	pH (field)	SU	7.1	7.1	6.6/8.0	No Exceedance
APW16	UA	Compliance	10/10/2023	A2DR	pH (field)	SU	7.4	7.4	6.6/8.0	No Exceedance
APW16	UA	Compliance	01/17/2024	A3	pH (field)	SU	7.3	7.3	6.6/8.0	No Exceedance
APW16	UA	Compliance	04/04/2024	A3R	pH (field)	SU	7.3	7.3	6.6/8.0	No Exceedance
APW16	UA	Compliance	07/10/2024	A3D	pH (field)	SU	7.5	7.5	6.6/8.0	No Exceedance
APW16	UA	Compliance	10/02/2024	A3DR	pH (field)	SU	7.5	7.5	6.6/8.0	No Exceedance
APW16	UA	Compliance	07/31/2023	A2D	Sulfate, total	mg/L	14.0 J+	14.0	15.0	No Exceedance
APW16	UA	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	8 J	10	15.0	No Exceedance
APW16	UA	Compliance	01/17/2024	A3	Sulfate, total	mg/L	9 J-	10	15.0	No Exceedance
APW16	UA	Compliance	04/04/2024	A3R	Sulfate, total	mg/L	11.0	11.0	15.0	No Exceedance
APW16	UA	Compliance	07/10/2024	A3D	Sulfate, total	mg/L	15.0	15.0	15.0	No Exceedance
APW16	UA	Compliance	10/02/2024	A3DR	Sulfate, total	mg/L	3 U	10	15.0	No Exceedance
APW16	UA	Compliance	07/31/2023	A2D	Total Dissolved Solids	mg/L	665	665	1,000	No Exceedance
APW16	UA	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	768	768	1,000	No Exceedance
APW16	UA	Compliance	01/17/2024	A3	Total Dissolved Solids	mg/L	730	730	1,000	No Exceedance
APW16	UA	Compliance	04/04/2024	A3R	Total Dissolved Solids	mg/L	705	705	1,000	No Exceedance
APW16	UA	Compliance	07/10/2024	A3D	Total Dissolved Solids	mg/L	752	752	1,000	No Exceedance
APW16	UA	Compliance	10/02/2024	A3DR	Total Dissolved Solids	mg/L	730	730	1,000	No Exceedance
APW17	UA	Compliance	07/25/2023	A2D	Boron, total	mg/L	0.121	0.121	0.145	No Exceedance
APW17	UA	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.0788	0.0788	0.145	No Exceedance
APW17	UA	Compliance	01/17/2024	A3	Boron, total	mg/L	0.0848	0.0848	0.145	No Exceedance
APW17	UA	Compliance	04/04/2024	A3R	Boron, total	mg/L	0.0691	0.0691	0.145	No Exceedance
APW17	UA	Compliance	07/09/2024	A3D	Boron, total	mg/L	0.0961	0.0961	0.145	No Exceedance

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW17	UA	Compliance	10/02/2024	A3DR	Boron, total	mg/L	0.0799	0.0799	0.145	No Exceedance
APW17	UA	Compliance	07/25/2023	A2D	Calcium, total	mg/L	106	106	66.5	Reported
APW17	UA	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	107	107	66.5	Confirmed
APW17	UA	Compliance	01/17/2024	A3	Calcium, total	mg/L	115	115	66.5	Reported
APW17	UA	Compliance	04/04/2024	A3R	Calcium, total	mg/L	126	126	66.5	Confirmed
APW17	UA	Compliance	07/09/2024	A3D	Calcium, total	mg/L	117	117	66.5	Reported
APW17	UA	Compliance	10/02/2024	A3DR	Calcium, total	mg/L	124	124	66.5	Confirmed
APW17	UA	Compliance	07/25/2023	A2D	Chloride, total	mg/L	53.0	53.0	58.0	No Exceedance
APW17	UA	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	59.0	59.0	58.0	Exceedance Not Confirmed
APW17	UA	Compliance	01/17/2024	A3	Chloride, total	mg/L	57.0	57.0	58.0	No Exceedance
APW17	UA	Compliance	04/04/2024	A3R	Chloride, total	mg/L	53.0	53.0	58.0	No Exceedance
APW17	UA	Compliance	07/09/2024	A3D	Chloride, total	mg/L	54.0	54.0	58.0	No Exceedance
APW17	UA	Compliance	10/02/2024	A3DR	Chloride, total	mg/L	52.2	52.2	58.0	No Exceedance
APW17	UA	Compliance	07/25/2023	A2D	Fluoride, total	mg/L	0.580	0.580	0.705	No Exceedance
APW17	UA	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.540	0.540	0.705	No Exceedance
APW17	UA	Compliance	01/17/2024	A3	Fluoride, total	mg/L	0.540	0.540	0.705	No Exceedance
APW17	UA	Compliance	04/04/2024	A3R	Fluoride, total	mg/L	0.530	0.530	0.705	No Exceedance
APW17	UA	Compliance	07/09/2024	A3D	Fluoride, total	mg/L	0.530	0.530	0.705	No Exceedance
APW17	UA	Compliance	10/02/2024	A3DR	Fluoride, total	mg/L	0.45 J	0.25	0.705	No Exceedance
APW17	UA	Compliance	07/25/2023	A2D	pH (field)	SU	6.9	6.9	6.6/8.0	No Exceedance
APW17	UA	Compliance	10/10/2023	A2DR	pH (field)	SU	7.5	7.5	6.6/8.0	No Exceedance
APW17	UA	Compliance	01/17/2024	A3	pH (field)	SU	7.3	7.3	6.6/8.0	No Exceedance
APW17	UA	Compliance	04/04/2024	A3R	pH (field)	SU	7.3	7.3	6.6/8.0	No Exceedance
APW17	UA	Compliance	07/09/2024	A3D	pH (field)	SU	7.4	7.4	6.6/8.0	No Exceedance
APW17	UA	Compliance	10/02/2024	A3DR	pH (field)	SU	6.9	6.9	6.6/8.0	No Exceedance
APW17	UA	Compliance	07/25/2023	A2D	Sulfate, total	mg/L	56.0 J+	56.0	15.0	Reported
APW17	UA	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	64.0	64.0	15.0	Confirmed
APW17	UA	Compliance	01/17/2024	A3	Sulfate, total	mg/L	60.0	60.0	15.0	Reported
APW17	UA	Compliance	04/04/2024	A3R	Sulfate, total	mg/L	66.0	66.0	15.0	Confirmed
APW17	UA	Compliance	07/09/2024	A3D	Sulfate, total	mg/L	63.0	63.0	15.0	Reported
APW17	UA	Compliance	10/02/2024	A3DR	Sulfate, total	mg/L	59.0	59.0	15.0	Confirmed
APW17	UA	Compliance	07/25/2023	A2D	Total Dissolved Solids	mg/L	670	670	1,000	No Exceedance
APW17	UA	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	692	692	1,000	No Exceedance
APW17	UA	Compliance	01/17/2024	A3	Total Dissolved Solids	mg/L	680	680	1,000	No Exceedance
APW17	UA	Compliance	04/04/2024	A3R	Total Dissolved Solids	mg/L	650	650	1,000	No Exceedance
APW17	UA	Compliance	07/09/2024	A3D	Total Dissolved Solids	mg/L	692	692	1,000	No Exceedance
APW17	UA	Compliance	10/02/2024	A3DR	Total Dissolved Solids	mg/L	655	655	1,000	No Exceedance
APW18	UA	Compliance	07/25/2023	A2D	Boron, total	mg/L	0.128	0.128	0.145	No Exceedance
APW18	UA	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.0971	0.0971	0.145	No Exceedance
APW18	UA	Compliance	01/16/2024	A3	Boron, total	mg/L	0.235	0.235	0.145	Exceedance Not Confirmed
APW18	UA	Compliance	04/04/2024	A3R	Boron, total	mg/L	0.0955	0.0955	0.145	No Exceedance
APW18	UA	Compliance	07/09/2024	A3D	Boron, total	mg/L	0.140	0.140	0.145	No Exceedance
APW18	UA	Compliance	10/02/2024	A3DR	Boron, total	mg/L	0.103	0.103	0.145	No Exceedance
APW18	UA	Compliance	07/25/2023	A2D	Calcium, total	mg/L	73.2	73.2	66.5	Reported
APW18	UA	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	75.5	75.5	66.5	Confirmed

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
APW18	UA	Compliance	01/16/2024	A3	Calcium, total	mg/L	82.5	82.5	66.5	Reported
APW18	UA	Compliance	04/04/2024	A3R	Calcium, total	mg/L	87.6	87.6	66.5	Confirmed
APW18	UA	Compliance	07/09/2024	A3D	Calcium, total	mg/L	76.4	76.4	66.5	Reported
APW18	UA	Compliance	10/02/2024	A3DR	Calcium, total	mg/L	82.7	82.7	66.5	Confirmed
APW18	UA	Compliance	07/25/2023	A2D	Chloride, total	mg/L	26.0 J-	26.0	58.0	No Exceedance
APW18	UA	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	23.0	23.0	58.0	No Exceedance
APW18	UA	Compliance	01/16/2024	A3	Chloride, total	mg/L	24.0	24.0	58.0	No Exceedance
APW18	UA	Compliance	04/04/2024	A3R	Chloride, total	mg/L	24.0	24.0	58.0	No Exceedance
APW18	UA	Compliance	07/09/2024	A3D	Chloride, total	mg/L	24.0	24.0	58.0	No Exceedance
APW18	UA	Compliance	10/02/2024	A3DR	Chloride, total	mg/L	22.9	22.9	58.0	No Exceedance
APW18	UA	Compliance	07/25/2023	A2D	Fluoride, total	mg/L	0.630	0.630	0.705	No Exceedance
APW18	UA	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.590	0.590	0.705	No Exceedance
APW18	UA	Compliance	01/16/2024	A3	Fluoride, total	mg/L	0.540	0.540	0.705	No Exceedance
APW18	UA	Compliance	04/04/2024	A3R	Fluoride, total	mg/L	0.580	0.580	0.705	No Exceedance
APW18	UA	Compliance	07/09/2024	A3D	Fluoride, total	mg/L	0.580	0.580	0.705	No Exceedance
APW18	UA	Compliance	10/02/2024	A3DR	Fluoride, total	mg/L	0.49 J	0.25	0.705	No Exceedance
APW18	UA	Compliance	07/25/2023	A2D	pH (field)	SU	7.2	7.2	6.6/8.0	No Exceedance
APW18	UA	Compliance	10/10/2023	A2DR	pH (field)	SU	8.1	8.1	6.6/8.0	Exceedance Not Confirmed
APW18	UA	Compliance	01/16/2024	A3	pH (field)	SU	7.7	7.7	6.6/8.0	No Exceedance
APW18	UA	Compliance	04/04/2024	A3R	pH (field)	SU	7.6	7.6	6.6/8.0	No Exceedance
APW18	UA	Compliance	07/09/2024	A3D	pH (field)	SU	7.7	7.7	6.6/8.0	No Exceedance
APW18	UA	Compliance	10/02/2024	A3DR	pH (field)	SU	7.0	7.0	6.6/8.0	No Exceedance
APW18	UA	Compliance	07/25/2023	A2D	Sulfate, total	mg/L	49.0 J+	49.0	15.0	Reported
APW18	UA	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	49.0	49.0	15.0	Confirmed
APW18	UA	Compliance	01/16/2024	A3	Sulfate, total	mg/L	43.0	43.0	15.0	Reported
APW18	UA	Compliance	04/04/2024	A3R	Sulfate, total	mg/L	44.0	44.0	15.0	Confirmed
APW18	UA	Compliance	07/09/2024	A3D	Sulfate, total	mg/L	44.0	44.0	15.0	Reported
APW18	UA	Compliance	10/02/2024	A3DR	Sulfate, total	mg/L	41.3	41.3	15.0	Confirmed
APW18	UA	Compliance	07/25/2023	A2D	Total Dissolved Solids	mg/L	535	535	1,000	No Exceedance
APW18	UA	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	614	614	1,000	No Exceedance
APW18	UA	Compliance	01/16/2024	A3	Total Dissolved Solids	mg/L	208	208	1,000	No Exceedance
APW18	UA	Compliance	04/04/2024	A3R	Total Dissolved Solids	mg/L	565	565	1,000	No Exceedance
APW18	UA	Compliance	07/09/2024	A3D	Total Dissolved Solids	mg/L	626	626	1,000	No Exceedance
APW18	UA	Compliance	10/02/2024	A3DR	Total Dissolved Solids	mg/L	620	620	1,000	No Exceedance

Notes:
-- = not applicable
Comparison Value is different from the Result when the Result is below the Reporting Limit (RL). The Result will not be used in statistical calculations due to the inherent uncertainty in results that are below the RL. Half of the RL will be substituted for these data. See the *Multi-Site Statistical Analysis Plan* (Ramboll, 2022a) for more information.
Event IDs:
A2D = Quarter 3, 2023 Assessment Monitoring sampling event
A2DR = Quarter 4, 2023 Assessment Monitoring resampling event
A3 = Quarter 1, 2024 Assessment Monitoring sampling event
A3R = Quarter 2, 2024 Assessment Monitoring resampling event
A3D = Quarter 3, 2024 Assessment Monitoring sampling event
A3DR = Quarter 4, 2024 Assessment Monitoring resampling event
HSU = hydrostratigraphic unit:
UA = Uppermost Aquifer
UD = Upper Drift
ID = identification
mg/L = milligrams per liter
Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.

NS[4] = The location could not be found; therefore, a sample was not collected.

NS[5] = The location was damaged; therefore, a sample was not collected.

NS[6] = Sampling pump could not yield a sample.

NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS[8] = A sample was not collected.

PM[1] = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

Result qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:

J- = The result is an estimated quantity, but the result may be biased low.

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

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

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

Statistically Significant Increase (SSI) Type:

No Exceedance: No exceedance of the background.

Exceedance Not Confirmed: An exceedance was determined in the parent event, a resample was collected, and the resample did not confirm the exceedance; or an exceedance was not determined in the parent event but a subsequent sample collected exhibited a concentration higher than background.

Reported: An exceedance in the parent event was observed and reported.

Confirmed: A resample confirmed an observed exceedance in the parent event.

SU = Standard Units

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

Well ID	Well Type	Date	Event ID	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Fluoride, total (mg/L)	Lead, total (mg/L)	Lithium, total (mg/L)	Mercury, total (mg/L)	Molybdenum, total (mg/L)	Radium 226 + 228 (pCi/L)	Selenium, total (mg/L)	Thallium, total (mg/L)
APW05	B	01/16/2024	A3	0.0007 J	0.0446	0.463	0.0009 J	0.0002 J	0.0292	0.0125	0.500	0.0169	0.0270	0.00006 U	0.0109	4.91	0.0006 U	0.001 U
APW05	B	04/04/2024	A3R	0.0006 J	0.0272	0.269	0.0002 U	0.0002 U	0.00260	0.0008 J	0.540	0.00120	0.0110	0.00019 J	0.0100	0.438	0.0006 U	0.001 U
APW05	B	07/02/2024	A3D	0.0009 J	0.0260	0.264	0.0002 U	0.0002 U	0.0015 UJ	0.0003 J	0.530	0.0006 U	0.00950	0.00006 U	0.00910	0.143	0.0006 U	0.0011 J
APW05	B	10/02/2024	A3DR	0.0004 U	0.0280	0.281	0.0002 U	0.0002 U	0.0009 J	0.0003 J	0.41 J	0.0006 U	0.00950	0.00006 U	0.00970	0.942	0.0006 U	0.001 U
APW06	B	01/23/2024	A3	0.0004 U	0.00850	0.241	0.0002 U	0.0002 U	0.00240 J+	0.0004 J	0.470	0.0006 U	0.0113	0.00006 U	0.00990	2.35	0.0006 U	0.001 U
APW06	B	04/09/2024	A3R	0.0008 J	0.00410	0.255	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.520	0.0006 U	0.0116	0.00006 U	0.00730	0.335	0.0006 U	0.001 U
APW06	B	07/02/2024	A3D	0.0008 J	0.0107	0.234	0.0003 J	0.0002 U	0.0015 UJ	0.0008 J	0.540	0.0007 J	0.0110	0.00006 U	0.00890	0.393	0.0006 U	0.001 U
APW06	B	10/08/2024	A3DR	0.0004 U	0.00690	0.331	0.0003 J	0.0002 U	0.0011 J	0.001 UJ	0.500	0.0006 U	0.0151	0.00006 U	0.00800	0.643	0.0006 U	0.001 U
APW02	C	01/18/2024	A3	0.0008 J	0.0007 J	0.0122	0.0002 U	0.0002 U	0.00160	0.0004 J	0.220	0.0006 U	0.122	0.00006 U	0.00230	1.82	0.0006 U	0.001 U
APW02	C	04/09/2024	A3R	0.0004 U	0.0006 J	0.00830	0.0002 U	0.0002 U	0.0007 U	0.0003 J	0.180	0.0006 U	0.0952	0.00006 U	0.0012 J	0.117	0.0006 U	0.001 U
APW02	C	08/07/2024	A3D	0.00140 J+	0.0004 J	0.00920	0.0005 J	0.0002 U	0.0008 J	0.0008 J	0.200	0.0006 U	0.102	0.00006 U	0.00180	0.410	0.0006 U	0.0018 J
APW02	C	10/02/2024	A3DR	0.0006 J	0.001 UJ	0.00980	0.0002 U	0.0002 U	0.0007 U	0.00150	0.2 U	0.0006 U	0.109	0.00006 U	0.00190	0.484	0.0006 U	0.001 U
APW03	C	01/23/2024	A3	0.00230	0.0008 J	0.0981	0.0002 U	0.0002 U	0.00380 J+	0.0006 J	0.190	0.0008 J	0.0108	0.00006 U	0.00180	3.31	0.0006 U	0.001 U
APW03	C	04/09/2024	A3R	0.0004 U	0.0004 J	0.0948	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.210	0.0006 U	0.0114	0.00006 U	0.0011 J	0.424	0.0006 U	0.001 U
APW03	C	07/08/2024	A3D	0.0005 J	0.0006 J	0.114	0.0002 U	0.0002 U	0.0015 UJ	0.0001 U	0.240	0.0006 U	0.0114	0.00006 U	0.0011 J	0.125	0.0006 U	0.001 U
APW03	C	10/07/2024	A3DR	0.0005 J	0.001 UJ	0.0860	0.0002 U	0.0002 U	0.00170	0.0001 U	0.2 J	0.0006 U	0.0113	0.00006 U	0.0012 J	0.342	0.0006 U	0.001 U
APW04	C	01/23/2024	A3	0.0004 U	0.00850	0.0296	0.0002 U	0.0002 U	0.002 UJ	0.00100 J	0.290	0.0007 J	0.0221	0.00006 U	0.00750	2.00	0.0006 U	0.001 U
APW04	C	04/09/2024	A3R	0.0004 U	0.0004 U	0.0149	0.0002 U	0.0002 U	0.001 J	0.0002 J	0.160	0.0006 U	0.0210	0.00006 U	0.0008 J	1.07	0.0006 U	0.001 U
APW04	C	07/08/2024	A3D	0.00210	0.0006 J	0.0249	0.0002 U	0.0002 U	0.00260 J+	0.0006 J	0.190	0.0006 U	0.0210	0.00006 U	0.001 J	0.204	0.0006 U	0.001 U
APW04	C	10/07/2024	A3DR	0.0004 U	0.0004 U	0.0124	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.2 U	0.0006 U	0.0220	0.00006 U	0.0014 J	0.439	0.0006 U	0.001 U
APW05S	C	01/23/2024	A3	0.0004 U	0.0008 J	0.0296	0.0002 U	0.0002 U	0.00200 J+	0.00100 J	0.340	0.0006 U	0.0366	0.00006 U	0.0013 U	1.58	0.0006 U	0.001 U
APW05S	C	04/02/2024	A3R	0.0006 U	0.00130	0.0213	0.0002 U	0.0002 U	0.0007 J	0.00100 J	0.360	0.0006 J	0.0396	0.00006 U	0.0012 J	0.346	0.0006 U	0.0014 J
APW05S	C	08/07/2024	A3D	0.0004 U	0.0006 J	0.0307	0.0002 U	0.0002 U	0.0007 U	0.0003 J	0.410	0.0006 U	0.0427	0.00006 U	0.0011 J	0.471	0.0006 U	0.001 U
APW05S	C	10/02/2024	A3DR	0.0004 U	0.001 UJ	0.0295	0.0002 U	0.0002 U	0.0007 U	0.0005 J	0.27 J	0.0006 U	0.0374	0.00006 U	0.0012 J	0.388	0.0006 U	0.001 U
APW07	C	01/23/2024	A3	0.0009 J	0.00180	0.318	0.0002 U	0.0002 U	0.00310 J+	0.0002 J	0.440	0.0006 U	0.00420	0.00006 U	0.0101	3.05	0.0006 U	0.001 U
APW07	C	04/09/2024	A3R	0.0004 U	0.00900	0.454	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.400	0.0006 U	0.00320	0.00006 U	0.00210	1.07	0.0006 U	0.001 U
APW07	C	07/02/2024	A3D	0.0005 J	0.0143	0.486	0.0002 U	0.0002 U	0.00230 J+	0.0005 J	0.420	0.0009 J	0.00330	0.00006 U	0.00220	1.60	0.0006 U	0.001 U

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

Well ID	Well Type	Date	Event ID	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Fluoride, total (mg/L)	Lead, total (mg/L)	Lithium, total (mg/L)	Mercury, total (mg/L)	Molybdenum, total (mg/L)	Radium 226 + 228 (pCi/L)	Selenium, total (mg/L)	Thallium, total (mg/L)
APW07	C	10/08/2024	A3DR	0.001 UJ	0.0231	0.617	0.0009 J	0.0003 J	0.0401	0.0146	0.36 J	0.0126	0.0225	0.00006 U	0.00840	1.89	0.0006 U	0.001 U
APW08	C	01/18/2024	A3	0.0004 U	0.0241	0.522	0.0002 U	0.0002 U	0.00680	0.00220	0.490	0.00270	0.00590	0.00006 U	0.00610	6.67	0.0006 U	0.001 U
APW08	C	04/08/2024	A3R	0.0004 U	0.0272	0.432	0.0002 U	0.0002 U	0.0013 J	0.0005 J	0.430	0.0006 U	0.00330	0.00006 U	0.00500	0.905	0.0006 U	0.001 U
APW08	C	07/09/2024	A3D	0.0005 J	0.0202	0.460	0.0002 U	0.0007 J	0.00370 J+	0.00100 J	0.460	0.0006 U	0.00350	0.00006 U	0.00570	0.736	0.0006 U	0.001 U
APW08	C	10/02/2024	A3DR	0.0004 U	0.0187	0.448	0.0002 U	0.0002 U	0.0007 U	0.0004 J	0.35 J	0.0006 U	0.0023 J	0.00006 U	0.00350	0.650	0.0006 U	0.001 U
APW09	C	01/23/2024	A3	0.0004 U	0.0312	0.460	0.0002 U	0.0002 U	0.002 UJ	0.0007 J	0.440	0.0006 U	0.00800	0.00014 J	0.00380	3.08	0.0006 U	0.001 U
APW09	C	04/09/2024	A3R	0.0004 U	0.0288	0.504	0.0002 U	0.0002 U	0.0007 U	0.0004 J	0.490	0.0006 U	0.00790	0.00006 U	0.00360	1.60	0.0006 U	0.001 U
APW09	C	07/02/2024	A3D	0.001 UJ	0.0283	0.448	0.0002 U	0.0002 U	0.00270 J+	0.00120	0.540	0.00350	0.00940	0.00006 U	0.00360	1.01	0.0006 U	0.001 U
APW09	C	10/08/2024	A3DR	0.0004 U	0.0304	0.372	0.0002 U	0.0002 U	0.0008 J	0.001 UJ	0.43 J	0.0006 U	0.00880	0.00006 U	0.00460	1.72	0.0006 U	0.001 U
APW10	C	01/23/2024	A3	0.00100	0.0007 J	0.0206	0.0002 U	0.0002 U	0.00240 J+	0.0003 J	0.150	0.0006 U	0.0205	0.00006 U	0.0013 U	1.93	0.0006 U	0.001 U
APW10	C	04/08/2024	A3R	0.0004 U	0.0154	0.0301	0.0002 U	0.0002 U	0.00220	0.00120	0.310	0.00110	0.0237	0.00006 U	0.00740	0.284	0.0006 U	0.001 U
APW10	C	07/02/2024	A3D	0.001 UJ	0.00770	0.0265	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.340	0.0006 U	0.0213	0.00006 U	0.00620	0.108	0.0006 U	0.001 U
APW10	C	10/01/2024	A3DR	0.0004 U	0.00990	0.0305	0.0002 U	0.0002 U	0.00200	0.0009 J	0.23 J	0.0007 J	0.0236	0.00006 U	0.00650	0.765	0.0006 U	0.001 U
APW11	C	01/16/2024	A3	0.0004 U	0.00620	0.0701	0.0005 J	0.0002 U	0.0135	0.00450	0.330	0.0215	0.0353	0.00006 U	0.00450	3.92	0.00130	0.001 U
APW11	C	04/04/2024	A3R	0.0005 J	0.00320	0.0384	0.0002 U	0.0002 U	0.00260	0.0009 J	0.350	0.00270	0.0230	0.000230	0.00510	1.12	0.0006 U	0.001 U
APW11	C	07/02/2024	A3D	0.001 UJ	0.00310	0.0422	0.0002 U	0.0002 U	0.0015 UJ	0.0004 J	0.370	0.0007 J	0.0262	0.00006 U	0.00410	0.683	0.0006 U	0.001 U
APW11	C	10/01/2024	A3DR	0.0004 U	0.00540	0.0369	0.0002 U	0.0002 U	0.0008 J	0.0003 J	0.21 J	0.0006 U	0.0223	0.00006 U	0.00430	0.619	0.0006 U	0.001 U
APW12	C	01/16/2024	A3	0.0004 U	0.0009 J	0.0422	0.0002 U	0.0002 U	0.0014 J	0.0007 J	0.170	0.0006 U	0.0457	0.00006 U	0.0006 J	1.19	0.0006 U	0.001 U
APW12	C	04/04/2024	A3R	0.0004 U	0.0005 J	0.0317	0.0002 U	0.0002 U	0.0007 U	0.00100	0.170	0.0006 U	0.0338	0.00006 U	0.0007 J	1.46	0.0006 U	0.001 U
APW12	C	07/02/2024	A3D	0.0004 U	0.0006 J	0.0450	0.0002 U	0.0002 U	0.0007 U	0.0006 J	0.180	0.0006 U	0.0460	0.00006 U	0.0007 J	0.533	0.0006 U	0.001 U
APW12	C	10/01/2024	A3DR	0.0006 J	0.0004 U	0.0318	0.0002 U	0.0002 U	0.0007 U	0.00100	0.2 U	0.0006 U	0.0313	0.00006 U	0.0006 U	0.194	0.0006 U	0.001 U
APW13	C	01/17/2024	A3	0.0004 U	0.00850	0.0881	0.0002 U	0.0002 U	0.001 J	0.0004 J	0.450	0.0006 U	0.0373	0.00006 U	0.00810	1.31	0.0006 U	0.001 U
APW13	C	04/08/2024	A3R	0.0004 U	0.00740	0.0505	0.0002 U	0.0002 U	0.0007 U	0.0001 J	0.410	0.0006 U	0.0253	0.00006 U	0.00700	0.307	0.0006 U	0.001 U
APW13	C	07/02/2024	A3D	0.001 UJ	0.00700	0.0625	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.450	0.0006 U	0.0309	0.00006 U	0.00600	0.467	0.0006 U	0.001 U
APW13	C	10/01/2024	A3DR	0.0005 J	0.00470 J+	0.0550	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.28 J	0.0006 U	0.0260	0.00006 U	0.00650	0.820	0.0006 U	0.001 U
APW14	C	01/17/2024	A3	0.0004 U	0.0115	0.0885	0.0002 U	0.0002 U	0.0008 J	0.0001 U	0.340	0.0006 U	0.0339	0.00006 U	0.00530	1.62	0.0006 U	0.001 U
APW14	C	04/04/2024	A3R	0.0008 J	0.00660	0.0488	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.320	0.0006 U	0.0283	0.00007 U	0.00470	0.269	0.0006 U	0.001 U

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

Well ID	Well Type	Date	Event ID	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Fluoride, total (mg/L)	Lead, total (mg/L)	Lithium, total (mg/L)	Mercury, total (mg/L)	Molybdenum, total (mg/L)	Radium 226 + 228 (pCi/L)	Selenium, total (mg/L)	Thallium, total (mg/L)
APW14	C	08/07/2024	A3D	0.0004 U	0.00580	0.0512	0.0002 U	0.0004 J	0.0007 U	0.0002 J	0.340	0.0006 U	0.0196	0.00006 U	0.00410	0.686	0.00100 J	0.001 J
APW14	C	10/01/2024	A3DR	0.0004 U	0.00710	0.0500	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.22 J	0.0006 U	0.0194	0.00006 U	0.00360	0.898	0.0006 U	0.001 U
APW15	C	01/18/2024	A3	0.0004 U	0.0281	0.619	0.0002 U	0.0002 U	0.00530	0.00170	0.530	0.00230	0.00760	0.00006 U	0.00530	4.64	0.0006 U	0.001 U
APW15	C	04/04/2024	A3R	0.0004 U	0.0296	0.584	0.0002 U	0.0002 U	0.00400	0.00140	0.480	0.00220	0.00910	0.00007 U	0.00630	2.80	0.0006 U	0.001 U
APW15	C	08/07/2024	A3D	0.001 UJ	0.0265	0.562	0.0003 J	0.0002 J	0.00690	0.00150	0.490	0.0325	0.00720	0.00006 U	0.00370	1.42	0.0006 U	0.001 U
APW15	C	10/01/2024	A3DR	0.0004 U	0.0283	0.584	0.0002 U	0.0002 U	0.00350	0.00130	0.36 J	0.00100 J	0.00640	0.00006 U	0.00390	2.13	0.0006 U	0.001 U
APW16	C	01/17/2024	A3	0.0004 U	0.0227	0.557	0.0002 U	0.0002 U	0.0011 J	0.0003 J	0.790	0.0006 U	0.00330	0.00006 U	0.0006 U	2.54	0.0006 U	0.001 U
APW16	C	04/04/2024	A3R	0.0004 U	0.0221	0.540	0.0002 U	0.0002 U	0.0007 U	0.0001 J	0.770	0.0006 U	0.00300 J	0.00007 U	0.0006 U	2.70	0.0006 U	0.001 U
APW16	C	07/10/2024	A3D	0.0004 U	0.0236	0.559	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.760	0.0006 U	0.0026 J	0.00006 U	0.0006 U	1.67	0.0006 U	0.001 U
APW16	C	10/02/2024	A3DR	0.0004 U	0.0243	0.582	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.680	0.0006 U	0.0027 J	0.00006 U	0.0006 U	1.25	0.0006 U	0.001 U
APW17	C	01/17/2024	A3	0.0004 U	0.0385	0.653	0.0002 U	0.0002 U	0.001 J	0.0002 J	0.540	0.0006 U	0.0026 J	0.00006 U	0.00480	4.37	0.0006 U	0.001 U
APW17	C	04/04/2024	A3R	0.0004 U	0.0196	0.551	0.0002 U	0.0002 U	0.0007 U	0.0001 J	0.530	0.0006 U	0.00360	0.00007 U	0.00530	2.82	0.0006 U	0.001 U
APW17	C	07/09/2024	A3D	0.0004 U	0.0268	0.589	0.0002 U	0.0006 J	0.0015 UJ	0.0007 J	0.530	0.0006 U	0.0028 J	0.00006 U	0.00420	1.79	0.0006 U	0.001 U
APW17	C	10/02/2024	A3DR	0.0004 U	0.0235	0.587	0.0002 U	0.0002 U	0.0007 U	0.0001 J	0.45 J	0.0006 U	0.0021 J	0.00006 U	0.00500	1.41	0.0006 U	0.001 U
APW18	C	01/16/2024	A3	0.0004 U	0.00290	0.510	0.0002 U	0.0002 U	0.00220	0.0008 J	0.540	0.0007 J	0.0100	0.00006 U	0.00510	3.54	0.0006 U	0.001 U
APW18	C	04/04/2024	A3R	0.0004 U	0.00190	0.359	0.0002 U	0.0002 U	0.0008 J	0.0003 J	0.580	0.0006 U	0.00940	0.00007 U	0.00420	1.64	0.0006 U	0.001 U
APW18	C	07/09/2024	A3D	0.0004 U	0.00230	0.445	0.0002 U	0.0002 U	0.0015 UJ	0.0003 J	0.580	0.0006 U	0.00690	0.00006 U	0.00400	1.11	0.0006 U	0.001 U
APW18	C	10/02/2024	A3DR	0.0004 U	0.00160 J+	0.362	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.49 J	0.0006 U	0.00560	0.00006 U	0.00290	1.42	0.0006 U	0.001 U

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

Notes:
Data qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review* (2020):
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
Event IDs:
A3 = Quarter 1, 2024 Assessment Monitoring sampling event
A3R = Quarter 2, 2024 Assessment Monitoring resampling event
A3D = Quarter 3, 2024 Assessment Monitoring sampling event
A3DR = Quarter 4, 2024 Assessment Monitoring resampling event
ID = identification
mg/L = milligrams per liter
pCi/L = picoCuries per liter
Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.
NS[4] = The location could not be found; therefore, a sample was not collected.
NS[5] = The location was damaged; therefore, a sample was not collected.
NS[6] = Sampling pump could not yield a sample.
NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS[8] = A sample was not collected.
PM[1] = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
Well Type:
B = Background
C = Compliance

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

Parameter	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Background Value (LPL/UPL)
Boron (mg/L)	12/15/2015 - 06/13/2017	16	0	Parametric UPL (log-transformed)	0.145
Calcium (mg/L)	12/15/2015 - 06/13/2017	16	0	Parametric UPL (log-transformed)	66.5
Chloride (mg/L)	12/15/2015 - 06/13/2017	16	0	Non-parametric UPL	58.0
Fluoride (mg/L)	12/15/2015 - 06/13/2017	16	0	Parametric UPL	0.705
pH (field) (SU)	12/15/2015 - 06/13/2017	16	0	Parametric LPL/UPL	6.6/8.0
Sulfate (mg/L)	12/15/2015 - 06/13/2017	16	38	Non-parametric UPL	15.0
Total Dissolved Solids (mg/L)	12/15/2015 - 06/13/2017	16	0	Non-parametric UPL	1,000

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

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TABLE 5
GROUNDWATER PROTECTION STANDARDS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, 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 - 06/13/2017	16	100	All ND - Last Reporting Limit	0.003	0.006	0.006	MCL/HBL
Arsenic (mg/L)	12/15/2015 - 06/13/2017	16	0	Parametric UTL	0.0274	0.010	0.0274	Background
Barium (mg/L)	12/15/2015 - 06/13/2017	16	0	Parametric UTL	0.257	2.0	2.0	MCL/HBL
Beryllium (mg/L)	12/15/2015 - 06/13/2017	16	94	Non-parametric UTL	0.00250	0.004	0.004	MCL/HBL
Cadmium (mg/L)	12/15/2015 - 06/13/2017	16	88	Non-parametric UTL	0.00170	0.005	0.005	MCL/HBL
Chromium (mg/L)	12/15/2015 - 06/13/2017	16	94	Non-parametric UTL	0.00400	0.1	0.1	MCL/HBL
Cobalt (mg/L)	12/15/2015 - 06/13/2017	16	94	Non-parametric UTL	0.00200	0.006	0.006	MCL/HBL
Fluoride (mg/L)	12/15/2015 - 06/13/2017	16	0	Parametric UTL	0.744	4.0	4.0	MCL/HBL
Lead (mg/L)	12/15/2015 - 06/13/2017	16	56	Non-parametric UTL	0.00250	0.015	0.015	MCL/HBL
Lithium (mg/L)	12/15/2015 - 06/13/2017	16	0	Parametric UTL	0.0233	0.04	0.04	MCL/HBL
Mercury (mg/L)	12/15/2015 - 06/13/2017	16	81	Non-parametric UTL	0.00200	0.002	0.002	MCL/HBL
Molybdenum (mg/L)	12/15/2015 - 06/13/2017	16	0	Parametric UTL	0.0382	0.1	0.1	MCL/HBL
Radium 226 + Radium 228 (pCi/L)	12/15/2015 - 06/13/2017	16	0	Parametric UTL	1.54	5	5	MCL/HBL
Selenium (mg/L)	12/15/2015 - 06/13/2017	16	81	Non-parametric UTL	0.00600	0.05	0.05	MCL/HBL
Thallium (mg/L)	12/15/2015 - 06/13/2017	16	88	Non-parametric UTL	0.00250	0.002	0.00250	Background

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

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW02	UD	A2D	Antimony, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW02	UD	A2DR	Antimony, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW02	UD	A3	Antimony, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW02	UD	A3R	Antimony, total	mg/L	02/17/21 - 04/09/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW02	UD	A3D	Antimony, total	mg/L	02/17/21 - 08/07/24	15	93	CB around T-S line	0.000335	0.006	MCL/HBL	No Exceedance
APW02	UD	A3DR	Antimony, total	mg/L	02/17/21 - 10/02/24	16	93	CB around T-S line	0.000305	0.006	MCL/HBL	No Exceedance
APW02	UD	A2D	Arsenic, total	mg/L	02/17/21 - 08/17/23	11	72	CI around median	0.00100	0.0274	Background	No Exceedance
APW02	UD	A2DR	Arsenic, total	mg/L	02/17/21 - 10/10/23	12	75	CI around median	0.00100	0.0274	Background	No Exceedance
APW02	UD	A3	Arsenic, total	mg/L	02/17/21 - 01/18/24	13	76	CI around median	0.00100	0.0274	Background	No Exceedance
APW02	UD	A3R	Arsenic, total	mg/L	02/17/21 - 04/09/24	14	78	CI around median	0.00100	0.0274	Background	No Exceedance
APW02	UD	A3D	Arsenic, total	mg/L	02/17/21 - 08/07/24	15	80	CI around median	0.00100	0.0274	Background	No Exceedance
APW02	UD	A3DR	Arsenic, total	mg/L	02/17/21 - 10/02/24	16	81	CI around median	0.00100	0.0274	Background	No Exceedance
APW02	UD	A2D	Barium, total	mg/L	02/17/21 - 08/17/23	11	0	CI around mean	0.00940	2.0	MCL/HBL	No Exceedance
APW02	UD	A2DR	Barium, total	mg/L	02/17/21 - 10/10/23	12	0	CI around mean	0.00985	2.0	MCL/HBL	No Exceedance
APW02	UD	A3	Barium, total	mg/L	02/17/21 - 01/18/24	13	0	CI around mean	0.0101	2.0	MCL/HBL	No Exceedance
APW02	UD	A3R	Barium, total	mg/L	02/17/21 - 04/09/24	14	0	CI around mean	0.00983	2.0	MCL/HBL	No Exceedance
APW02	UD	A3D	Barium, total	mg/L	02/17/21 - 08/07/24	15	0	CI around mean	0.00974	2.0	MCL/HBL	No Exceedance
APW02	UD	A3DR	Barium, total	mg/L	02/17/21 - 10/02/24	16	0	CI around mean	0.00972	2.0	MCL/HBL	No Exceedance
APW02	UD	A2D	Beryllium, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW02	UD	A2DR	Beryllium, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW02	UD	A3	Beryllium, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW02	UD	A3R	Beryllium, total	mg/L	02/17/21 - 04/09/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW02	UD	A3D	Beryllium, total	mg/L	02/17/21 - 08/07/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW02	UD	A3DR	Beryllium, total	mg/L	02/17/21 - 10/02/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW02	UD	A2D	Cadmium, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW02	UD	A2DR	Cadmium, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW02	UD	A3	Cadmium, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW02	UD	A3R	Cadmium, total	mg/L	02/17/21 - 04/09/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW02	UD	A3D	Cadmium, total	mg/L	02/17/21 - 08/07/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW02	UD	A3DR	Cadmium, total	mg/L	02/17/21 - 10/02/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW02	UD	A2D	Chromium, total	mg/L	02/17/21 - 08/17/23	11	81	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW02	UD	A2DR	Chromium, total	mg/L	02/17/21 - 10/10/23	12	83	CI around median	0.00220	0.1	MCL/HBL	No Exceedance
APW02	UD	A3	Chromium, total	mg/L	02/17/21 - 01/18/24	13	76	CB around T-S line	0.00160	0.1	MCL/HBL	No Exceedance
APW02	UD	A3R	Chromium, total	mg/L	02/17/21 - 04/09/24	14	78	CB around T-S line	0.00118	0.1	MCL/HBL	No Exceedance
APW02	UD	A3D	Chromium, total	mg/L	02/17/21 - 08/07/24	15	80	CB around T-S line	0.000901	0.1	MCL/HBL	No Exceedance
APW02	UD	A3DR	Chromium, total	mg/L	02/17/21 - 10/02/24	16	81	CB around T-S line	0.000789	0.1	MCL/HBL	No Exceedance
APW02	UD	A2D	Cobalt, total	mg/L	02/17/21 - 08/17/23	11	90	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW02	UD	A2DR	Cobalt, total	mg/L	02/17/21 - 10/10/23	12	91	CI around median	0.00160	0.006	MCL/HBL	No Exceedance
APW02	UD	A3	Cobalt, total	mg/L	02/17/21 - 01/18/24	13	92	CB around T-S line	0.00103	0.006	MCL/HBL	No Exceedance
APW02	UD	A3R	Cobalt, total	mg/L	02/17/21 - 04/09/24	14	92	CB around T-S line	0.000828	0.006	MCL/HBL	No Exceedance
APW02	UD	A3D	Cobalt, total	mg/L	02/17/21 - 08/07/24	15	93	CB around T-S line	0.000735	0.006	MCL/HBL	No Exceedance
APW02	UD	A3DR	Cobalt, total	mg/L	02/17/21 - 10/02/24	16	87	CB around T-S line	0.000768	0.006	MCL/HBL	No Exceedance
APW02	UD	A2D	Fluoride, total	mg/L	02/17/21 - 08/17/23	11	90	CI around median	0.250	4.0	MCL/HBL	No Exceedance
APW02	UD	A2DR	Fluoride, total	mg/L	02/17/21 - 10/10/23	12	83	CI around median	0.230	4.0	MCL/HBL	No Exceedance
APW02	UD	A3	Fluoride, total	mg/L	02/17/21 - 01/18/24	13	76	CB around T-S line	0.223	4.0	MCL/HBL	No Exceedance
APW02	UD	A3R	Fluoride, total	mg/L	02/17/21 - 04/09/24	14	71	CB around T-S line	0.204	4.0	MCL/HBL	No Exceedance
APW02	UD	A3D	Fluoride, total	mg/L	02/17/21 - 08/07/24	15	66	CB around T-S line	0.199	4.0	MCL/HBL	No Exceedance
APW02	UD	A3DR	Fluoride, total	mg/L	02/17/21 - 10/02/24	16	68	CI around median	0.220	4.0	MCL/HBL	No Exceedance
APW02	UD	A2D	Lead, total	mg/L	02/17/21 - 08/17/23	11	90	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW02	UD	A2DR	Lead, total	mg/L	02/17/21 - 10/10/23	12	91	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW02	UD	A3	Lead, total	mg/L	02/17/21 - 01/18/24	13	92	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW02	UD	A3R	Lead, total	mg/L	02/17/21 - 04/09/24	14	92	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW02	UD	A3D	Lead, total	mg/L	02/17/21 - 08/07/24	15	93	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW02	UD	A3DR	Lead, total	mg/L	02/17/21 - 10/02/24	16	93	CI around median	0.00100	0.015	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW02	UD	A2D	Lithium, total	mg/L	02/17/21 - 08/17/23	11	0	CI around geomean	0.0944	0.04	MCL/HBL	Reported
APW02	UD	A2DR	Lithium, total	mg/L	02/17/21 - 10/10/23	12	0	CI around geomean	0.0954	0.04	MCL/HBL	Confirmed
APW02	UD	A3	Lithium, total	mg/L	02/17/21 - 01/18/24	13	0	CI around geomean	0.0977	0.04	MCL/HBL	Reported
APW02	UD	A3R	Lithium, total	mg/L	02/17/21 - 04/09/24	14	0	CI around geomean	0.0972	0.04	MCL/HBL	Confirmed
APW02	UD	A3D	Lithium, total	mg/L	02/17/21 - 08/07/24	15	0	CI around median	0.0980	0.04	MCL/HBL	Reported
APW02	UD	A3DR	Lithium, total	mg/L	02/17/21 - 10/02/24	16	0	CI around median	0.100	0.04	MCL/HBL	Confirmed
APW02	UD	A2D	Mercury, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW02	UD	A2DR	Mercury, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW02	UD	A3	Mercury, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW02	UD	A3R	Mercury, total	mg/L	02/17/21 - 04/09/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW02	UD	A3D	Mercury, total	mg/L	02/17/21 - 08/07/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW02	UD	A3DR	Mercury, total	mg/L	02/17/21 - 10/02/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW02	UD	A2D	Molybdenum, total	mg/L	02/17/21 - 08/17/23	10	60	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
APW02	UD	A2DR	Molybdenum, total	mg/L	02/17/21 - 10/10/23	11	54	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
APW02	UD	A3	Molybdenum, total	mg/L	02/17/21 - 01/18/24	12	50	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
APW02	UD	A3R	Molybdenum, total	mg/L	02/17/21 - 04/09/24	13	53	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
APW02	UD	A3D	Molybdenum, total	mg/L	02/17/21 - 08/07/24	14	50	CB around T-S line	0.00100	0.1	MCL/HBL	No Exceedance
APW02	UD	A3DR	Molybdenum, total	mg/L	02/17/21 - 10/02/24	15	46	CB around T-S line	0.00100	0.1	MCL/HBL	No Exceedance
APW02	UD	A2D	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 08/17/23	10	0	CI around mean	0.271	5	MCL/HBL	No Exceedance
APW02	UD	A2DR	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 10/10/23	11	0	CI around mean	0.323	5	MCL/HBL	No Exceedance
APW02	UD	A3	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 01/18/24	12	0	CI around mean	0.338	5	MCL/HBL	No Exceedance
APW02	UD	A3R	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 04/09/24	13	0	CI around mean	0.305	5	MCL/HBL	No Exceedance
APW02	UD	A3D	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 08/07/24	14	0	CI around mean	0.314	5	MCL/HBL	No Exceedance
APW02	UD	A3DR	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 10/02/24	15	0	CI around mean	0.328	5	MCL/HBL	No Exceedance
APW02	UD	A2D	Selenium, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW02	UD	A2DR	Selenium, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW02	UD	A3	Selenium, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW02	UD	A3R	Selenium, total	mg/L	02/17/21 - 04/09/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW02	UD	A3D	Selenium, total	mg/L	02/17/21 - 08/07/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW02	UD	A3DR	Selenium, total	mg/L	02/17/21 - 10/02/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW02	UD	A2D	Thallium, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW02	UD	A2DR	Thallium, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW02	UD	A3	Thallium, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW02	UD	A3R	Thallium, total	mg/L	02/17/21 - 04/09/24	14	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW02	UD	A3D	Thallium, total	mg/L	02/17/21 - 08/07/24	15	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW02	UD	A3DR	Thallium, total	mg/L	02/17/21 - 10/02/24	16	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW03	UD	A2D	Antimony, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW03	UD	A2DR	Antimony, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW03	UD	A3	Antimony, total	mg/L	02/18/21 - 01/23/24	13	92	CI around median	0.00230	0.006	MCL/HBL	No Exceedance
APW03	UD	A3R	Antimony, total	mg/L	02/18/21 - 04/09/24	14	92	CB around T-S line	0.000868	0.006	MCL/HBL	No Exceedance
APW03	UD	A3D	Antimony, total	mg/L	02/18/21 - 07/08/24	15	93	CB around T-S line	0.000394	0.006	MCL/HBL	No Exceedance
APW03	UD	A3DR	Antimony, total	mg/L	02/18/21 - 10/07/24	16	93	CB around T-S line	0.000273	0.006	MCL/HBL	No Exceedance
APW03	UD	A2D	Arsenic, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.0274	Background	No Exceedance
APW03	UD	A2DR	Arsenic, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.0274	Background	No Exceedance
APW03	UD	A3	Arsenic, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.0274	Background	No Exceedance
APW03	UD	A3R	Arsenic, total	mg/L	02/18/21 - 04/09/24	14	100	All ND - Last	0.001	0.0274	Background	No Exceedance
APW03	UD	A3D	Arsenic, total	mg/L	02/18/21 - 07/08/24	15	100	All ND - Last	0.001	0.0274	Background	No Exceedance
APW03	UD	A3DR	Arsenic, total	mg/L	02/18/21 - 10/07/24	16	100	All ND - Last	0.001	0.0274	Background	No Exceedance
APW03	UD	A2D	Barium, total	mg/L	02/18/21 - 07/31/23	11	0	CI around mean	0.0650	2.0	MCL/HBL	No Exceedance
APW03	UD	A2DR	Barium, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	0.0651	2.0	MCL/HBL	No Exceedance
APW03	UD	A3	Barium, total	mg/L	02/18/21 - 01/23/24	13	0	CI around mean	0.0668	2.0	MCL/HBL	No Exceedance
APW03	UD	A3R	Barium, total	mg/L	02/18/21 - 04/09/24	14	0	CI around mean	0.0684	2.0	MCL/HBL	No Exceedance
APW03	UD	A3D	Barium, total	mg/L	02/18/21 - 07/08/24	15	0	CB around linear reg	0.0888	2.0	MCL/HBL	No Exceedance
APW03	UD	A3DR	Barium, total	mg/L	02/18/21 - 10/07/24	16	0	CB around linear reg	0.0869	2.0	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW03	UD	A2D	Beryllium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW03	UD	A2DR	Beryllium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW03	UD	A3	Beryllium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW03	UD	A3R	Beryllium, total	mg/L	02/18/21 - 04/09/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW03	UD	A3D	Beryllium, total	mg/L	02/18/21 - 07/08/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW03	UD	A3DR	Beryllium, total	mg/L	02/18/21 - 10/07/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW03	UD	A2D	Cadmium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW03	UD	A2DR	Cadmium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW03	UD	A3	Cadmium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW03	UD	A3R	Cadmium, total	mg/L	02/18/21 - 04/09/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW03	UD	A3D	Cadmium, total	mg/L	02/18/21 - 07/08/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW03	UD	A3DR	Cadmium, total	mg/L	02/18/21 - 10/07/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW03	UD	A2D	Chromium, total	mg/L	02/18/21 - 07/31/23	11	90	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW03	UD	A2DR	Chromium, total	mg/L	02/18/21 - 10/10/23	12	83	CI around median	0.00300	0.1	MCL/HBL	No Exceedance
APW03	UD	A3	Chromium, total	mg/L	02/18/21 - 01/23/24	13	76	CI around median	0.00380	0.1	MCL/HBL	No Exceedance
APW03	UD	A3R	Chromium, total	mg/L	02/18/21 - 04/09/24	14	78	CI around median	0.00300	0.1	MCL/HBL	No Exceedance
APW03	UD	A3D	Chromium, total	mg/L	02/18/21 - 07/08/24	15	80	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
APW03	UD	A3DR	Chromium, total	mg/L	02/18/21 - 10/07/24	16	75	CB around T-S line	0.00116	0.1	MCL/HBL	No Exceedance
APW03	UD	A2D	Cobalt, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW03	UD	A2DR	Cobalt, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW03	UD	A3	Cobalt, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW03	UD	A3R	Cobalt, total	mg/L	02/18/21 - 04/09/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW03	UD	A3D	Cobalt, total	mg/L	02/18/21 - 07/08/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW03	UD	A3DR	Cobalt, total	mg/L	02/18/21 - 10/07/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW03	UD	A2D	Fluoride, total	mg/L	02/18/21 - 07/31/23	11	81	CI around median	0.250	4.0	MCL/HBL	No Exceedance
APW03	UD	A2DR	Fluoride, total	mg/L	02/18/21 - 10/10/23	12	75	CI around median	0.250	4.0	MCL/HBL	No Exceedance
APW03	UD	A3	Fluoride, total	mg/L	02/18/21 - 01/23/24	13	69	CI around median	0.250	4.0	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW03	UD	A3R	Fluoride, total	mg/L	02/18/21 - 04/09/24	14	64	CI around median	0.230	4.0	MCL/HBL	No Exceedance
APW03	UD	A3D	Fluoride, total	mg/L	02/18/21 - 07/08/24	15	60	CI around median	0.230	4.0	MCL/HBL	No Exceedance
APW03	UD	A3DR	Fluoride, total	mg/L	02/18/21 - 10/07/24	16	62	CI around median	0.240	4.0	MCL/HBL	No Exceedance
APW03	UD	A2D	Lead, total	mg/L	02/18/21 - 07/31/23	11	90	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW03	UD	A2DR	Lead, total	mg/L	02/18/21 - 10/10/23	12	91	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW03	UD	A3	Lead, total	mg/L	02/18/21 - 01/23/24	13	92	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW03	UD	A3R	Lead, total	mg/L	02/18/21 - 04/09/24	14	92	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW03	UD	A3D	Lead, total	mg/L	02/18/21 - 07/08/24	15	93	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW03	UD	A3DR	Lead, total	mg/L	02/18/21 - 10/07/24	16	93	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW03	UD	A2D	Lithium, total	mg/L	02/18/21 - 07/31/23	11	36	CI around mean	0.0129	0.04	MCL/HBL	No Exceedance
APW03	UD	A2DR	Lithium, total	mg/L	02/18/21 - 10/10/23	12	33	CI around mean	0.0116	0.04	MCL/HBL	No Exceedance
APW03	UD	A3	Lithium, total	mg/L	02/18/21 - 01/23/24	13	30	CI around mean	0.0111	0.04	MCL/HBL	No Exceedance
APW03	UD	A3R	Lithium, total	mg/L	02/18/21 - 04/09/24	14	28	CB around linear reg	0.00463	0.04	MCL/HBL	No Exceedance
APW03	UD	A3D	Lithium, total	mg/L	02/18/21 - 07/08/24	15	26	CB around linear reg	0.00437	0.04	MCL/HBL	No Exceedance
APW03	UD	A3DR	Lithium, total	mg/L	02/18/21 - 10/07/24	16	25	CB around linear reg	0.00414	0.04	MCL/HBL	No Exceedance
APW03	UD	A2D	Mercury, total	mg/L	02/18/21 - 07/31/23	11	90	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW03	UD	A2DR	Mercury, total	mg/L	02/18/21 - 10/10/23	12	91	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW03	UD	A3	Mercury, total	mg/L	02/18/21 - 01/23/24	13	92	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW03	UD	A3R	Mercury, total	mg/L	02/18/21 - 04/09/24	14	92	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW03	UD	A3D	Mercury, total	mg/L	02/18/21 - 07/08/24	15	93	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW03	UD	A3DR	Mercury, total	mg/L	02/18/21 - 10/07/24	16	93	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW03	UD	A2D	Molybdenum, total	mg/L	02/18/21 - 07/31/23	10	20	CI around mean	0.00109	0.1	MCL/HBL	No Exceedance
APW03	UD	A2DR	Molybdenum, total	mg/L	02/18/21 - 10/10/23	11	27	CI around mean	0.00110	0.1	MCL/HBL	No Exceedance
APW03	UD	A3	Molybdenum, total	mg/L	02/18/21 - 01/23/24	12	25	CI around mean	0.00113	0.1	MCL/HBL	No Exceedance
APW03	UD	A3R	Molybdenum, total	mg/L	02/18/21 - 04/09/24	13	30	CI around mean	0.00113	0.1	MCL/HBL	No Exceedance
APW03	UD	A3D	Molybdenum, total	mg/L	02/18/21 - 07/08/24	14	35	CI around mean	0.00113	0.1	MCL/HBL	No Exceedance
APW03	UD	A3DR	Molybdenum, total	mg/L	02/18/21 - 10/07/24	15	40	CI around mean	0.00113	0.1	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW03	UD	A2D	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 07/31/23	10	0	CI around mean	0.185	5	MCL/HBL	No Exceedance
APW03	UD	A2DR	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 10/10/23	11	0	CI around mean	0.227	5	MCL/HBL	No Exceedance
APW03	UD	A3	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 01/23/24	12	0	CI around geomean	0.202	5	MCL/HBL	No Exceedance
APW03	UD	A3R	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 04/09/24	13	0	CI around geomean	0.217	5	MCL/HBL	No Exceedance
APW03	UD	A3D	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 07/08/24	14	0	CI around geomean	0.202	5	MCL/HBL	No Exceedance
APW03	UD	A3DR	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 10/07/24	15	0	CI around geomean	0.210	5	MCL/HBL	No Exceedance
APW03	UD	A2D	Selenium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW03	UD	A2DR	Selenium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW03	UD	A3	Selenium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW03	UD	A3R	Selenium, total	mg/L	02/18/21 - 04/09/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW03	UD	A3D	Selenium, total	mg/L	02/18/21 - 07/08/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW03	UD	A3DR	Selenium, total	mg/L	02/18/21 - 10/07/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW03	UD	A2D	Thallium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW03	UD	A2DR	Thallium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW03	UD	A3	Thallium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW03	UD	A3R	Thallium, total	mg/L	02/18/21 - 04/09/24	14	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW03	UD	A3D	Thallium, total	mg/L	02/18/21 - 07/08/24	15	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW03	UD	A3DR	Thallium, total	mg/L	02/18/21 - 10/07/24	16	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW04	UD	A2D	Antimony, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW04	UD	A2DR	Antimony, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW04	UD	A3	Antimony, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW04	UD	A3R	Antimony, total	mg/L	02/18/21 - 04/09/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW04	UD	A3D	Antimony, total	mg/L	02/18/21 - 07/08/24	15	93	CB around T-S line	0.000360	0.006	MCL/HBL	No Exceedance
APW04	UD	A3DR	Antimony, total	mg/L	02/18/21 - 10/07/24	16	93	CB around T-S line	0.000288	0.006	MCL/HBL	No Exceedance
APW04	UD	A2D	Arsenic, total	mg/L	02/18/21 - 07/31/23	11	45	CI around median	0.00100	0.0274	Background	No Exceedance
APW04	UD	A2DR	Arsenic, total	mg/L	02/18/21 - 10/10/23	12	50	CI around median	0.00100	0.0274	Background	No Exceedance
APW04	UD	A3	Arsenic, total	mg/L	02/18/21 - 01/23/24	13	46	CI around median	0.00100	0.0274	Background	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW04	UD	A3R	Arsenic, total	mg/L	02/18/21 - 04/09/24	14	50	CI around median	0.00100	0.0274	Background	No Exceedance
APW04	UD	A3D	Arsenic, total	mg/L	02/18/21 - 07/08/24	15	53	CI around median	0.00100	0.0274	Background	No Exceedance
APW04	UD	A3DR	Arsenic, total	mg/L	02/18/21 - 10/07/24	16	56	CI around median	0.00100	0.0274	Background	No Exceedance
APW04	UD	A2D	Barium, total	mg/L	02/18/21 - 07/31/23	11	0	CI around mean	0.0189	2.0	MCL/HBL	No Exceedance
APW04	UD	A2DR	Barium, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	0.0190	2.0	MCL/HBL	No Exceedance
APW04	UD	A3	Barium, total	mg/L	02/18/21 - 01/23/24	13	0	CI around mean	0.0197	2.0	MCL/HBL	No Exceedance
APW04	UD	A3R	Barium, total	mg/L	02/18/21 - 04/09/24	14	0	CI around mean	0.0191	2.0	MCL/HBL	No Exceedance
APW04	UD	A3D	Barium, total	mg/L	02/18/21 - 07/08/24	15	0	CI around mean	0.0195	2.0	MCL/HBL	No Exceedance
APW04	UD	A3DR	Barium, total	mg/L	02/18/21 - 10/07/24	16	0	CI around mean	0.0187	2.0	MCL/HBL	No Exceedance
APW04	UD	A2D	Beryllium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW04	UD	A2DR	Beryllium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW04	UD	A3	Beryllium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW04	UD	A3R	Beryllium, total	mg/L	02/18/21 - 04/09/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW04	UD	A3D	Beryllium, total	mg/L	02/18/21 - 07/08/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW04	UD	A3DR	Beryllium, total	mg/L	02/18/21 - 10/07/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW04	UD	A2D	Cadmium, total	mg/L	02/18/21 - 07/31/23	11	90	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW04	UD	A2DR	Cadmium, total	mg/L	02/18/21 - 10/10/23	12	91	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW04	UD	A3	Cadmium, total	mg/L	02/18/21 - 01/23/24	13	92	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW04	UD	A3R	Cadmium, total	mg/L	02/18/21 - 04/09/24	14	92	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW04	UD	A3D	Cadmium, total	mg/L	02/18/21 - 07/08/24	15	93	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW04	UD	A3DR	Cadmium, total	mg/L	02/18/21 - 10/07/24	16	93	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW04	UD	A2D	Chromium, total	mg/L	02/18/21 - 07/31/23	11	81	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW04	UD	A2DR	Chromium, total	mg/L	02/18/21 - 10/10/23	12	75	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW04	UD	A3	Chromium, total	mg/L	02/18/21 - 01/23/24	13	76	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW04	UD	A3R	Chromium, total	mg/L	02/18/21 - 04/09/24	14	78	CI around median	0.00290	0.1	MCL/HBL	No Exceedance
APW04	UD	A3D	Chromium, total	mg/L	02/18/21 - 07/08/24	15	73	CI around median	0.00260	0.1	MCL/HBL	No Exceedance
APW04	UD	A3DR	Chromium, total	mg/L	02/18/21 - 10/07/24	16	75	CI around median	0.00260	0.1	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW04	UD	A2D	Cobalt, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW04	UD	A2DR	Cobalt, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW04	UD	A3	Cobalt, total	mg/L	02/18/21 - 01/23/24	13	92	CB around T-S line	0.000827	0.006	MCL/HBL	No Exceedance
APW04	UD	A3R	Cobalt, total	mg/L	02/18/21 - 04/09/24	14	92	CB around T-S line	0.000756	0.006	MCL/HBL	No Exceedance
APW04	UD	A3D	Cobalt, total	mg/L	02/18/21 - 07/08/24	15	93	CB around T-S line	0.000669	0.006	MCL/HBL	No Exceedance
APW04	UD	A3DR	Cobalt, total	mg/L	02/18/21 - 10/07/24	16	93	CB around T-S line	0.000620	0.006	MCL/HBL	No Exceedance
APW04	UD	A2D	Fluoride, total	mg/L	02/18/21 - 07/31/23	11	90	CI around median	0.250	4.0	MCL/HBL	No Exceedance
APW04	UD	A2DR	Fluoride, total	mg/L	02/18/21 - 10/10/23	12	83	CI around median	0.200	4.0	MCL/HBL	No Exceedance
APW04	UD	A3	Fluoride, total	mg/L	02/18/21 - 01/23/24	13	76	CI around median	0.250	4.0	MCL/HBL	No Exceedance
APW04	UD	A3R	Fluoride, total	mg/L	02/18/21 - 04/09/24	14	71	CI around median	0.200	4.0	MCL/HBL	No Exceedance
APW04	UD	A3D	Fluoride, total	mg/L	02/18/21 - 07/08/24	15	66	CI around median	0.190	4.0	MCL/HBL	No Exceedance
APW04	UD	A3DR	Fluoride, total	mg/L	02/18/21 - 10/07/24	16	68	CI around median	0.200	4.0	MCL/HBL	No Exceedance
APW04	UD	A2D	Lead, total	mg/L	02/18/21 - 07/31/23	11	63	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW04	UD	A2DR	Lead, total	mg/L	02/18/21 - 10/10/23	12	66	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW04	UD	A3	Lead, total	mg/L	02/18/21 - 01/23/24	13	69	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW04	UD	A3R	Lead, total	mg/L	02/18/21 - 04/09/24	14	71	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW04	UD	A3D	Lead, total	mg/L	02/18/21 - 07/08/24	15	73	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW04	UD	A3DR	Lead, total	mg/L	02/18/21 - 10/07/24	16	75	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW04	UD	A2D	Lithium, total	mg/L	02/18/21 - 07/31/23	11	27	CI around median	0.0200	0.04	MCL/HBL	No Exceedance
APW04	UD	A2DR	Lithium, total	mg/L	02/18/21 - 10/10/23	12	25	CI around median	0.0200	0.04	MCL/HBL	No Exceedance
APW04	UD	A3	Lithium, total	mg/L	02/18/21 - 01/23/24	13	23	CI around median	0.0200	0.04	MCL/HBL	No Exceedance
APW04	UD	A3R	Lithium, total	mg/L	02/18/21 - 04/09/24	14	21	CI around median	0.0200	0.04	MCL/HBL	No Exceedance
APW04	UD	A3D	Lithium, total	mg/L	02/18/21 - 07/08/24	15	20	CI around median	0.0200	0.04	MCL/HBL	No Exceedance
APW04	UD	A3DR	Lithium, total	mg/L	02/18/21 - 10/07/24	16	18	CI around median	0.0210	0.04	MCL/HBL	No Exceedance
APW04	UD	A2D	Mercury, total	mg/L	02/18/21 - 07/31/23	11	90	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW04	UD	A2DR	Mercury, total	mg/L	02/18/21 - 10/10/23	12	91	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW04	UD	A3	Mercury, total	mg/L	02/18/21 - 01/23/24	13	92	CI around median	0.000200	0.002	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW04	UD	A3R	Mercury, total	mg/L	02/18/21 - 04/09/24	14	92	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW04	UD	A3D	Mercury, total	mg/L	02/18/21 - 07/08/24	15	93	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW04	UD	A3DR	Mercury, total	mg/L	02/18/21 - 10/07/24	16	93	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW04	UD	A2D	Molybdenum, total	mg/L	02/18/21 - 07/31/23	10	90	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
APW04	UD	A2DR	Molybdenum, total	mg/L	02/18/21 - 10/10/23	11	90	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
APW04	UD	A3	Molybdenum, total	mg/L	02/18/21 - 01/23/24	12	83	CB around T-S line	0.00100	0.1	MCL/HBL	No Exceedance
APW04	UD	A3R	Molybdenum, total	mg/L	02/18/21 - 04/09/24	13	84	CB around T-S line	0.00100	0.1	MCL/HBL	No Exceedance
APW04	UD	A3D	Molybdenum, total	mg/L	02/18/21 - 07/08/24	14	85	CB around T-S line	0.00100	0.1	MCL/HBL	No Exceedance
APW04	UD	A3DR	Molybdenum, total	mg/L	02/18/21 - 10/07/24	15	86	CB around T-S line	0.00100	0.1	MCL/HBL	No Exceedance
APW04	UD	A2D	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 07/31/23	10	0	CI around mean	0.0973	5	MCL/HBL	No Exceedance
APW04	UD	A2DR	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 10/10/23	11	0	CI around mean	0.165	5	MCL/HBL	No Exceedance
APW04	UD	A3	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 01/23/24	12	0	CB around linear reg	0.644	5	MCL/HBL	No Exceedance
APW04	UD	A3R	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 04/09/24	13	0	CB around linear reg	0.693	5	MCL/HBL	No Exceedance
APW04	UD	A3D	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 07/08/24	14	0	CI around mean	0.248	5	MCL/HBL	No Exceedance
APW04	UD	A3DR	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 10/07/24	15	0	CI around mean	0.264	5	MCL/HBL	No Exceedance
APW04	UD	A2D	Selenium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW04	UD	A2DR	Selenium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW04	UD	A3	Selenium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW04	UD	A3R	Selenium, total	mg/L	02/18/21 - 04/09/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW04	UD	A3D	Selenium, total	mg/L	02/18/21 - 07/08/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW04	UD	A3DR	Selenium, total	mg/L	02/18/21 - 10/07/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW04	UD	A2D	Thallium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW04	UD	A2DR	Thallium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW04	UD	A3	Thallium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW04	UD	A3R	Thallium, total	mg/L	02/18/21 - 04/09/24	14	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW04	UD	A3D	Thallium, total	mg/L	02/18/21 - 07/08/24	15	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW04	UD	A3DR	Thallium, total	mg/L	02/18/21 - 10/07/24	16	100	All ND - Last	0.002	0.00250	Background	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW05S	UD	A2D	Antimony, total	mg/L	02/17/21 - 07/25/23	10	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW05S	UD	A2DR	Antimony, total	mg/L	02/17/21 - 10/10/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW05S	UD	A3	Antimony, total	mg/L	02/17/21 - 01/23/24	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW05S	UD	A3R	Antimony, total	mg/L	02/17/21 - 04/02/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW05S	UD	A3D	Antimony, total	mg/L	02/17/21 - 08/07/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW05S	UD	A3DR	Antimony, total	mg/L	02/17/21 - 10/02/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW05S	UD	A2D	Arsenic, total	mg/L	02/17/21 - 07/25/23	10	40	CI around mean	0.00103	0.0274	Background	No Exceedance
APW05S	UD	A2DR	Arsenic, total	mg/L	02/17/21 - 10/10/23	11	36	CI around mean	0.00107	0.0274	Background	No Exceedance
APW05S	UD	A3	Arsenic, total	mg/L	02/17/21 - 01/23/24	12	41	CI around mean	0.00105	0.0274	Background	No Exceedance
APW05S	UD	A3R	Arsenic, total	mg/L	02/17/21 - 04/02/24	13	38	CI around mean	0.00108	0.0274	Background	No Exceedance
APW05S	UD	A3D	Arsenic, total	mg/L	02/17/21 - 08/07/24	14	42	CI around geomean	0.00110	0.0274	Background	No Exceedance
APW05S	UD	A3DR	Arsenic, total	mg/L	02/17/21 - 10/02/24	15	46	CI around median	0.00100	0.0274	Background	No Exceedance
APW05S	UD	A2D	Barium, total	mg/L	02/17/21 - 07/25/23	10	0	CI around geomean	0.0386	2.0	MCL/HBL	No Exceedance
APW05S	UD	A2DR	Barium, total	mg/L	02/17/21 - 10/10/23	11	0	CI around geomean	0.0396	2.0	MCL/HBL	No Exceedance
APW05S	UD	A3	Barium, total	mg/L	02/17/21 - 01/23/24	12	0	CI around geomean	0.0376	2.0	MCL/HBL	No Exceedance
APW05S	UD	A3R	Barium, total	mg/L	02/17/21 - 04/02/24	13	0	CI around mean	0.0344	2.0	MCL/HBL	No Exceedance
APW05S	UD	A3D	Barium, total	mg/L	02/17/21 - 08/07/24	14	0	CB around T-S line	0.0192	2.0	MCL/HBL	No Exceedance
APW05S	UD	A3DR	Barium, total	mg/L	02/17/21 - 10/02/24	15	0	CB around T-S line	0.0204	2.0	MCL/HBL	No Exceedance
APW05S	UD	A2D	Beryllium, total	mg/L	02/17/21 - 07/25/23	10	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW05S	UD	A2DR	Beryllium, total	mg/L	02/17/21 - 10/10/23	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW05S	UD	A3	Beryllium, total	mg/L	02/17/21 - 01/23/24	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW05S	UD	A3R	Beryllium, total	mg/L	02/17/21 - 04/02/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW05S	UD	A3D	Beryllium, total	mg/L	02/17/21 - 08/07/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW05S	UD	A3DR	Beryllium, total	mg/L	02/17/21 - 10/02/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW05S	UD	A2D	Cadmium, total	mg/L	02/17/21 - 07/25/23	10	90	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW05S	UD	A2DR	Cadmium, total	mg/L	02/17/21 - 10/10/23	11	90	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW05S	UD	A3	Cadmium, total	mg/L	02/17/21 - 01/23/24	12	91	CI around median	0.00100	0.005	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW05S	UD	A3R	Cadmium, total	mg/L	02/17/21 - 04/02/24	13	92	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW05S	UD	A3D	Cadmium, total	mg/L	02/17/21 - 08/07/24	14	92	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW05S	UD	A3DR	Cadmium, total	mg/L	02/17/21 - 10/02/24	15	93	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW05S	UD	A2D	Chromium, total	mg/L	02/17/21 - 07/25/23	10	90	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW05S	UD	A2DR	Chromium, total	mg/L	02/17/21 - 10/10/23	11	81	CI around median	0.00260	0.1	MCL/HBL	No Exceedance
APW05S	UD	A3	Chromium, total	mg/L	02/17/21 - 01/23/24	12	75	CI around median	0.00200	0.1	MCL/HBL	No Exceedance
APW05S	UD	A3R	Chromium, total	mg/L	02/17/21 - 04/02/24	13	76	CI around median	0.00200	0.1	MCL/HBL	No Exceedance
APW05S	UD	A3D	Chromium, total	mg/L	02/17/21 - 08/07/24	14	78	CB around T-S line	0.000699	0.1	MCL/HBL	No Exceedance
APW05S	UD	A3DR	Chromium, total	mg/L	02/17/21 - 10/02/24	15	80	CB around T-S line	0.000577	0.1	MCL/HBL	No Exceedance
APW05S	UD	A2D	Cobalt, total	mg/L	02/17/21 - 07/25/23	10	30	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW05S	UD	A2DR	Cobalt, total	mg/L	02/17/21 - 10/10/23	11	36	CI around geomean	0.000958	0.006	MCL/HBL	No Exceedance
APW05S	UD	A3	Cobalt, total	mg/L	02/17/21 - 01/23/24	12	33	CI around geomean	0.000934	0.006	MCL/HBL	No Exceedance
APW05S	UD	A3R	Cobalt, total	mg/L	02/17/21 - 04/02/24	13	30	CI around geomean	0.000933	0.006	MCL/HBL	No Exceedance
APW05S	UD	A3D	Cobalt, total	mg/L	02/17/21 - 08/07/24	14	35	CB around T-S line	-0.00281	0.006	MCL/HBL	No Exceedance
APW05S	UD	A3DR	Cobalt, total	mg/L	02/17/21 - 10/02/24	15	40	CB around T-S line	-0.00130	0.006	MCL/HBL	No Exceedance
APW05S	UD	A2D	Fluoride, total	mg/L	02/17/21 - 07/25/23	10	0	CI around mean	0.356	4.0	MCL/HBL	No Exceedance
APW05S	UD	A2DR	Fluoride, total	mg/L	02/17/21 - 10/10/23	11	0	CI around mean	0.361	4.0	MCL/HBL	No Exceedance
APW05S	UD	A3	Fluoride, total	mg/L	02/17/21 - 01/23/24	12	0	CI around mean	0.357	4.0	MCL/HBL	No Exceedance
APW05S	UD	A3R	Fluoride, total	mg/L	02/17/21 - 04/02/24	13	0	CI around mean	0.358	4.0	MCL/HBL	No Exceedance
APW05S	UD	A3D	Fluoride, total	mg/L	02/17/21 - 08/07/24	14	0	CI around mean	0.361	4.0	MCL/HBL	No Exceedance
APW05S	UD	A3DR	Fluoride, total	mg/L	02/17/21 - 10/02/24	15	6	CI around mean	0.344	4.0	MCL/HBL	No Exceedance
APW05S	UD	A2D	Lead, total	mg/L	02/17/21 - 07/25/23	10	90	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW05S	UD	A2DR	Lead, total	mg/L	02/17/21 - 10/10/23	11	90	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW05S	UD	A3	Lead, total	mg/L	02/17/21 - 01/23/24	12	91	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW05S	UD	A3R	Lead, total	mg/L	02/17/21 - 04/02/24	13	92	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW05S	UD	A3D	Lead, total	mg/L	02/17/21 - 08/07/24	14	92	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW05S	UD	A3DR	Lead, total	mg/L	02/17/21 - 10/02/24	15	93	CI around median	0.00100	0.015	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW05S	UD	A2D	Lithium, total	mg/L	02/17/21 - 07/25/23	10	0	CI around median	0.0350	0.04	MCL/HBL	No Exceedance
APW05S	UD	A2DR	Lithium, total	mg/L	02/17/21 - 10/10/23	11	0	CI around median	0.0330	0.04	MCL/HBL	No Exceedance
APW05S	UD	A3	Lithium, total	mg/L	02/17/21 - 01/23/24	12	0	CB around T-S line	0.0170	0.04	MCL/HBL	No Exceedance
APW05S	UD	A3R	Lithium, total	mg/L	02/17/21 - 04/02/24	13	0	CI around median	0.0350	0.04	MCL/HBL	No Exceedance
APW05S	UD	A3D	Lithium, total	mg/L	02/17/21 - 08/07/24	14	0	CI around median	0.0350	0.04	MCL/HBL	No Exceedance
APW05S	UD	A3DR	Lithium, total	mg/L	02/17/21 - 10/02/24	15	0	CI around median	0.0350	0.04	MCL/HBL	No Exceedance
APW05S	UD	A2D	Mercury, total	mg/L	02/17/21 - 07/25/23	10	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW05S	UD	A2DR	Mercury, total	mg/L	02/17/21 - 10/10/23	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW05S	UD	A3	Mercury, total	mg/L	02/17/21 - 01/23/24	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW05S	UD	A3R	Mercury, total	mg/L	02/17/21 - 04/02/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW05S	UD	A3D	Mercury, total	mg/L	02/17/21 - 08/07/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW05S	UD	A3DR	Mercury, total	mg/L	02/17/21 - 10/02/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW05S	UD	A2D	Molybdenum, total	mg/L	02/17/21 - 07/25/23	9	11	CB around linear reg	-0.000408	0.1	MCL/HBL	No Exceedance
APW05S	UD	A2DR	Molybdenum, total	mg/L	02/17/21 - 10/10/23	10	10	CI around mean	0.000892	0.1	MCL/HBL	No Exceedance
APW05S	UD	A3	Molybdenum, total	mg/L	02/17/21 - 01/23/24	11	18	CI around geomean	0.00106	0.1	MCL/HBL	No Exceedance
APW05S	UD	A3R	Molybdenum, total	mg/L	02/17/21 - 04/02/24	12	25	CI around median	0.00110	0.1	MCL/HBL	No Exceedance
APW05S	UD	A3D	Molybdenum, total	mg/L	02/17/21 - 08/07/24	13	30	CI around median	0.00130	0.1	MCL/HBL	No Exceedance
APW05S	UD	A3DR	Molybdenum, total	mg/L	02/17/21 - 10/02/24	14	35	CI around median	0.00130	0.1	MCL/HBL	No Exceedance
APW05S	UD	A2D	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 07/25/23	9	0	CI around geomean	0.153	5	MCL/HBL	No Exceedance
APW05S	UD	A2DR	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 10/10/23	10	0	CI around geomean	0.177	5	MCL/HBL	No Exceedance
APW05S	UD	A3	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 01/23/24	11	0	CI around geomean	0.198	5	MCL/HBL	No Exceedance
APW05S	UD	A3R	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 04/02/24	12	0	CI around geomean	0.210	5	MCL/HBL	No Exceedance
APW05S	UD	A3D	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 08/07/24	13	0	CI around geomean	0.226	5	MCL/HBL	No Exceedance
APW05S	UD	A3DR	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 10/02/24	14	0	CI around geomean	0.237	5	MCL/HBL	No Exceedance
APW05S	UD	A2D	Selenium, total	mg/L	02/17/21 - 07/25/23	10	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW05S	UD	A2DR	Selenium, total	mg/L	02/17/21 - 10/10/23	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW05S	UD	A3	Selenium, total	mg/L	02/17/21 - 01/23/24	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance

TABLE 6
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NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW05S	UD	A3R	Selenium, total	mg/L	02/17/21 - 04/02/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW05S	UD	A3D	Selenium, total	mg/L	02/17/21 - 08/07/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW05S	UD	A3DR	Selenium, total	mg/L	02/17/21 - 10/02/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW05S	UD	A2D	Thallium, total	mg/L	02/17/21 - 07/25/23	10	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW05S	UD	A2DR	Thallium, total	mg/L	02/17/21 - 10/10/23	11	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW05S	UD	A3	Thallium, total	mg/L	02/17/21 - 01/23/24	12	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW05S	UD	A3R	Thallium, total	mg/L	02/17/21 - 04/02/24	13	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW05S	UD	A3D	Thallium, total	mg/L	02/17/21 - 08/07/24	14	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW05S	UD	A3DR	Thallium, total	mg/L	02/17/21 - 10/02/24	15	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW07	UA	A2D	Antimony, total	mg/L	12/15/15 - 07/25/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW07	UA	A2DR	Antimony, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW07	UA	A3	Antimony, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW07	UA	A3R	Antimony, total	mg/L	12/15/15 - 04/09/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW07	UA	A3D	Antimony, total	mg/L	12/15/15 - 07/02/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW07	UA	A3DR	Antimony, total	mg/L	12/15/15 - 10/08/24	17	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW07	UA	A2D	Arsenic, total	mg/L	12/15/15 - 07/25/23	13	0	CB around linear reg	0.0131	0.0274	Background	No Exceedance
APW07	UA	A2DR	Arsenic, total	mg/L	12/15/15 - 10/10/23	14	0	CB around linear reg	0.0141	0.0274	Background	No Exceedance
APW07	UA	A3	Arsenic, total	mg/L	12/15/15 - 01/23/24	15	0	CB around T-S line	0.00483	0.0274	Background	No Exceedance
APW07	UA	A3R	Arsenic, total	mg/L	12/15/15 - 04/09/24	16	0	CB around linear reg	0.00860	0.0274	Background	No Exceedance
APW07	UA	A3D	Arsenic, total	mg/L	12/15/15 - 07/02/24	17	0	CB around linear reg	0.00931	0.0274	Background	No Exceedance
APW07	UA	A3DR	Arsenic, total	mg/L	12/15/15 - 10/08/24	18	0	CB around linear reg	0.0107	0.0274	Background	No Exceedance
APW07	UA	A2D	Barium, total	mg/L	12/15/15 - 07/25/23	13	0	CB around linear reg	0.475	2.0	MCL/HBL	No Exceedance
APW07	UA	A2DR	Barium, total	mg/L	12/15/15 - 10/10/23	14	0	CB around T-S line	0.515	2.0	MCL/HBL	No Exceedance
APW07	UA	A3	Barium, total	mg/L	12/15/15 - 01/23/24	15	0	CB around T-S line	0.435	2.0	MCL/HBL	No Exceedance
APW07	UA	A3R	Barium, total	mg/L	12/15/15 - 04/09/24	16	0	CB around T-S line	0.444	2.0	MCL/HBL	No Exceedance
APW07	UA	A3D	Barium, total	mg/L	12/15/15 - 07/02/24	17	0	CB around T-S line	0.450	2.0	MCL/HBL	No Exceedance
APW07	UA	A3DR	Barium, total	mg/L	12/15/15 - 10/08/24	18	0	CB around T-S line	0.457	2.0	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW07	UA	A2D	Beryllium, total	mg/L	12/15/15 - 07/25/23	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW07	UA	A2DR	Beryllium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW07	UA	A3	Beryllium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW07	UA	A3R	Beryllium, total	mg/L	12/15/15 - 04/09/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW07	UA	A3D	Beryllium, total	mg/L	12/15/15 - 07/02/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW07	UA	A3DR	Beryllium, total	mg/L	12/15/15 - 10/08/24	17	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW07	UA	A2D	Cadmium, total	mg/L	12/15/15 - 07/25/23	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW07	UA	A2DR	Cadmium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW07	UA	A3	Cadmium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW07	UA	A3R	Cadmium, total	mg/L	12/15/15 - 04/09/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW07	UA	A3D	Cadmium, total	mg/L	12/15/15 - 07/02/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW07	UA	A3DR	Cadmium, total	mg/L	12/15/15 - 10/08/24	17	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW07	UA	A2D	Chromium, total	mg/L	12/15/15 - 07/25/23	13	69	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW07	UA	A2DR	Chromium, total	mg/L	12/15/15 - 10/10/23	14	64	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW07	UA	A3	Chromium, total	mg/L	12/15/15 - 01/23/24	15	60	CI around median	0.00310	0.1	MCL/HBL	No Exceedance
APW07	UA	A3R	Chromium, total	mg/L	12/15/15 - 04/09/24	16	62	CI around median	0.00310	0.1	MCL/HBL	No Exceedance
APW07	UA	A3D	Chromium, total	mg/L	12/15/15 - 07/02/24	17	58	CI around median	0.00230	0.1	MCL/HBL	No Exceedance
APW07	UA	A3DR	Chromium, total	mg/L	12/15/15 - 10/08/24	18	55	CI around median	0.00310	0.1	MCL/HBL	No Exceedance
APW07	UA	A2D	Cobalt, total	mg/L	12/15/15 - 07/25/23	12	83	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW07	UA	A2DR	Cobalt, total	mg/L	12/15/15 - 10/10/23	13	84	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW07	UA	A3	Cobalt, total	mg/L	12/15/15 - 01/23/24	14	85	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
APW07	UA	A3R	Cobalt, total	mg/L	12/15/15 - 04/09/24	15	86	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
APW07	UA	A3D	Cobalt, total	mg/L	12/15/15 - 07/02/24	16	87	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
APW07	UA	A3DR	Cobalt, total	mg/L	12/15/15 - 10/08/24	17	82	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
APW07	UA	A2D	Fluoride, total	mg/L	12/15/15 - 07/25/23	23	4	CI around mean	0.363	4.0	MCL/HBL	No Exceedance
APW07	UA	A2DR	Fluoride, total	mg/L	12/15/15 - 10/10/23	24	4	CI around mean	0.366	4.0	MCL/HBL	No Exceedance
APW07	UA	A3	Fluoride, total	mg/L	12/15/15 - 01/23/24	25	4	CI around mean	0.369	4.0	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW07	UA	A3R	Fluoride, total	mg/L	12/15/15 - 04/09/24	26	3	CI around mean	0.371	4.0	MCL/HBL	No Exceedance
APW07	UA	A3D	Fluoride, total	mg/L	12/15/15 - 07/02/24	27	3	CI around mean	0.373	4.0	MCL/HBL	No Exceedance
APW07	UA	A3DR	Fluoride, total	mg/L	12/15/15 - 10/08/24	28	7	CI around mean	0.366	4.0	MCL/HBL	No Exceedance
APW07	UA	A2D	Lead, total	mg/L	12/15/15 - 07/25/23	13	61	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW07	UA	A2DR	Lead, total	mg/L	12/15/15 - 10/10/23	14	64	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW07	UA	A3	Lead, total	mg/L	12/15/15 - 01/23/24	15	66	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW07	UA	A3R	Lead, total	mg/L	12/15/15 - 04/09/24	16	68	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW07	UA	A3D	Lead, total	mg/L	12/15/15 - 07/02/24	17	70	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW07	UA	A3DR	Lead, total	mg/L	12/15/15 - 10/08/24	18	66	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW07	UA	A2D	Lithium, total	mg/L	12/15/15 - 07/25/23	13	92	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
APW07	UA	A2DR	Lithium, total	mg/L	12/15/15 - 10/10/23	14	92	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
APW07	UA	A3	Lithium, total	mg/L	12/15/15 - 01/23/24	15	86	CI around median	0.00420	0.04	MCL/HBL	No Exceedance
APW07	UA	A3R	Lithium, total	mg/L	12/15/15 - 04/09/24	16	81	CI around median	0.00420	0.04	MCL/HBL	No Exceedance
APW07	UA	A3D	Lithium, total	mg/L	12/15/15 - 07/02/24	17	76	CI around median	0.00340	0.04	MCL/HBL	No Exceedance
APW07	UA	A3DR	Lithium, total	mg/L	12/15/15 - 10/08/24	18	72	CI around median	0.00420	0.04	MCL/HBL	No Exceedance
APW07	UA	A2D	Mercury, total	mg/L	12/15/15 - 07/25/23	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW07	UA	A2DR	Mercury, total	mg/L	12/15/15 - 10/10/23	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW07	UA	A3	Mercury, total	mg/L	12/15/15 - 01/23/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW07	UA	A3R	Mercury, total	mg/L	12/15/15 - 04/09/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW07	UA	A3D	Mercury, total	mg/L	12/15/15 - 07/02/24	17	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW07	UA	A3DR	Mercury, total	mg/L	12/15/15 - 10/08/24	18	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW07	UA	A2D	Molybdenum, total	mg/L	12/15/15 - 07/25/23	12	0	CB around linear reg	-0.00329	0.1	MCL/HBL	No Exceedance
APW07	UA	A2DR	Molybdenum, total	mg/L	12/15/15 - 10/10/23	13	0	CB around linear reg	-0.00235	0.1	MCL/HBL	No Exceedance
APW07	UA	A3	Molybdenum, total	mg/L	12/15/15 - 01/23/24	14	0	CI around mean	0.00293	0.1	MCL/HBL	No Exceedance
APW07	UA	A3R	Molybdenum, total	mg/L	12/15/15 - 04/09/24	15	0	CB around linear reg	-0.00126	0.1	MCL/HBL	No Exceedance
APW07	UA	A3D	Molybdenum, total	mg/L	12/15/15 - 07/02/24	16	0	CB around T-S line	-0.00786	0.1	MCL/HBL	No Exceedance
APW07	UA	A3DR	Molybdenum, total	mg/L	12/15/15 - 10/08/24	17	0	CI around mean	0.00306	0.1	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW07	UA	A2D	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 07/25/23	13	0	CB around linear reg	1.50	5	MCL/HBL	No Exceedance
APW07	UA	A2DR	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 10/10/23	14	0	CB around linear reg	1.69	5	MCL/HBL	No Exceedance
APW07	UA	A3	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 01/23/24	15	0	CB around linear reg	1.87	5	MCL/HBL	No Exceedance
APW07	UA	A3R	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 04/09/24	16	0	CB around linear reg	1.59	5	MCL/HBL	No Exceedance
APW07	UA	A3D	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 07/02/24	17	0	CI around mean	1.42	5	MCL/HBL	No Exceedance
APW07	UA	A3DR	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 10/08/24	18	0	CI around mean	1.45	5	MCL/HBL	No Exceedance
APW07	UA	A2D	Selenium, total	mg/L	12/15/15 - 07/25/23	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW07	UA	A2DR	Selenium, total	mg/L	12/15/15 - 10/10/23	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW07	UA	A3	Selenium, total	mg/L	12/15/15 - 01/23/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW07	UA	A3R	Selenium, total	mg/L	12/15/15 - 04/09/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW07	UA	A3D	Selenium, total	mg/L	12/15/15 - 07/02/24	17	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW07	UA	A3DR	Selenium, total	mg/L	12/15/15 - 10/08/24	18	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW07	UA	A2D	Thallium, total	mg/L	12/15/15 - 07/25/23	12	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW07	UA	A2DR	Thallium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW07	UA	A3	Thallium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW07	UA	A3R	Thallium, total	mg/L	12/15/15 - 04/09/24	15	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW07	UA	A3D	Thallium, total	mg/L	12/15/15 - 07/02/24	16	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW07	UA	A3DR	Thallium, total	mg/L	12/15/15 - 10/08/24	17	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW08	UA	A2D	Antimony, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW08	UA	A2DR	Antimony, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW08	UA	A3	Antimony, total	mg/L	12/15/15 - 01/18/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW08	UA	A3R	Antimony, total	mg/L	12/15/15 - 04/08/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW08	UA	A3D	Antimony, total	mg/L	12/15/15 - 07/09/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW08	UA	A3DR	Antimony, total	mg/L	12/15/15 - 10/02/24	17	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW08	UA	A2D	Arsenic, total	mg/L	12/15/15 - 07/31/23	13	0	CB around linear reg	0.0208	0.0274	Background	No Exceedance
APW08	UA	A2DR	Arsenic, total	mg/L	12/15/15 - 10/10/23	14	0	CB around linear reg	0.0225	0.0274	Background	No Exceedance
APW08	UA	A3	Arsenic, total	mg/L	12/15/15 - 01/18/24	15	0	CB around linear reg	0.0226	0.0274	Background	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW08	UA	A3R	Arsenic, total	mg/L	12/15/15 - 04/08/24	16	0	CB around linear reg	0.0233	0.0274	Background	No Exceedance
APW08	UA	A3D	Arsenic, total	mg/L	12/15/15 - 07/09/24	17	0	CB around linear reg	0.0224	0.0274	Background	No Exceedance
APW08	UA	A3DR	Arsenic, total	mg/L	12/15/15 - 10/02/24	18	0	CB around linear reg	0.0214	0.0274	Background	No Exceedance
APW08	UA	A2D	Barium, total	mg/L	12/15/15 - 07/31/23	13	0	CB around linear reg	0.463	2.0	MCL/HBL	No Exceedance
APW08	UA	A2DR	Barium, total	mg/L	12/15/15 - 10/10/23	14	0	CB around linear reg	0.485	2.0	MCL/HBL	No Exceedance
APW08	UA	A3	Barium, total	mg/L	12/15/15 - 01/18/24	15	0	CB around linear reg	0.490	2.0	MCL/HBL	No Exceedance
APW08	UA	A3R	Barium, total	mg/L	12/15/15 - 04/08/24	16	0	CB around linear reg	0.469	2.0	MCL/HBL	No Exceedance
APW08	UA	A3D	Barium, total	mg/L	12/15/15 - 07/09/24	17	0	CB around linear reg	0.463	2.0	MCL/HBL	No Exceedance
APW08	UA	A3DR	Barium, total	mg/L	12/15/15 - 10/02/24	18	0	CB around T-S line	0.459	2.0	MCL/HBL	No Exceedance
APW08	UA	A2D	Beryllium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW08	UA	A2DR	Beryllium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW08	UA	A3	Beryllium, total	mg/L	12/15/15 - 01/18/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW08	UA	A3R	Beryllium, total	mg/L	12/15/15 - 04/08/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW08	UA	A3D	Beryllium, total	mg/L	12/15/15 - 07/09/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW08	UA	A3DR	Beryllium, total	mg/L	12/15/15 - 10/02/24	17	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW08	UA	A2D	Cadmium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW08	UA	A2DR	Cadmium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW08	UA	A3	Cadmium, total	mg/L	12/15/15 - 01/18/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW08	UA	A3R	Cadmium, total	mg/L	12/15/15 - 04/08/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW08	UA	A3D	Cadmium, total	mg/L	12/15/15 - 07/09/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW08	UA	A3DR	Cadmium, total	mg/L	12/15/15 - 10/02/24	17	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW08	UA	A2D	Chromium, total	mg/L	12/15/15 - 07/31/23	13	53	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW08	UA	A2DR	Chromium, total	mg/L	12/15/15 - 10/10/23	14	57	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW08	UA	A3	Chromium, total	mg/L	12/15/15 - 01/18/24	15	53	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW08	UA	A3R	Chromium, total	mg/L	12/15/15 - 04/08/24	16	56	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW08	UA	A3D	Chromium, total	mg/L	12/15/15 - 07/09/24	17	52	CI around median	0.00370	0.1	MCL/HBL	No Exceedance
APW08	UA	A3DR	Chromium, total	mg/L	12/15/15 - 10/02/24	18	55	CI around median	0.00370	0.1	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW08	UA	A2D	Cobalt, total	mg/L	12/15/15 - 07/31/23	12	75	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW08	UA	A2DR	Cobalt, total	mg/L	12/15/15 - 10/10/23	13	76	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW08	UA	A3	Cobalt, total	mg/L	12/15/15 - 01/18/24	14	71	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW08	UA	A3R	Cobalt, total	mg/L	12/15/15 - 04/08/24	15	73	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
APW08	UA	A3D	Cobalt, total	mg/L	12/15/15 - 07/09/24	16	68	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
APW08	UA	A3DR	Cobalt, total	mg/L	12/15/15 - 10/02/24	17	70	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
APW08	UA	A2D	Fluoride, total	mg/L	12/15/15 - 07/31/23	23	8	CI around median	0.373	4.0	MCL/HBL	No Exceedance
APW08	UA	A2DR	Fluoride, total	mg/L	12/15/15 - 10/10/23	24	8	CI around median	0.393	4.0	MCL/HBL	No Exceedance
APW08	UA	A3	Fluoride, total	mg/L	12/15/15 - 01/18/24	25	8	CI around median	0.393	4.0	MCL/HBL	No Exceedance
APW08	UA	A3R	Fluoride, total	mg/L	12/15/15 - 04/08/24	26	7	CI around median	0.404	4.0	MCL/HBL	No Exceedance
APW08	UA	A3D	Fluoride, total	mg/L	12/15/15 - 07/09/24	27	7	CI around median	0.404	4.0	MCL/HBL	No Exceedance
APW08	UA	A3DR	Fluoride, total	mg/L	12/15/15 - 10/02/24	28	10	CI around median	0.393	4.0	MCL/HBL	No Exceedance
APW08	UA	A2D	Lead, total	mg/L	12/15/15 - 07/31/23	13	53	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW08	UA	A2DR	Lead, total	mg/L	12/15/15 - 10/10/23	14	57	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW08	UA	A3	Lead, total	mg/L	12/15/15 - 01/18/24	15	53	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW08	UA	A3R	Lead, total	mg/L	12/15/15 - 04/08/24	16	56	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW08	UA	A3D	Lead, total	mg/L	12/15/15 - 07/09/24	17	58	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW08	UA	A3DR	Lead, total	mg/L	12/15/15 - 10/02/24	18	61	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW08	UA	A2D	Lithium, total	mg/L	12/15/15 - 07/31/23	13	69	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
APW08	UA	A2DR	Lithium, total	mg/L	12/15/15 - 10/10/23	14	71	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
APW08	UA	A3	Lithium, total	mg/L	12/15/15 - 01/18/24	15	66	CI around median	0.00590	0.04	MCL/HBL	No Exceedance
APW08	UA	A3R	Lithium, total	mg/L	12/15/15 - 04/08/24	16	62	CI around median	0.00590	0.04	MCL/HBL	No Exceedance
APW08	UA	A3D	Lithium, total	mg/L	12/15/15 - 07/09/24	17	58	CI around median	0.00350	0.04	MCL/HBL	No Exceedance
APW08	UA	A3DR	Lithium, total	mg/L	12/15/15 - 10/02/24	18	61	CI around median	0.00350	0.04	MCL/HBL	No Exceedance
APW08	UA	A2D	Mercury, total	mg/L	12/15/15 - 07/31/23	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW08	UA	A2DR	Mercury, total	mg/L	12/15/15 - 10/10/23	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW08	UA	A3	Mercury, total	mg/L	12/15/15 - 01/18/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW08	UA	A3R	Mercury, total	mg/L	12/15/15 - 04/08/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW08	UA	A3D	Mercury, total	mg/L	12/15/15 - 07/09/24	17	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW08	UA	A3DR	Mercury, total	mg/L	12/15/15 - 10/02/24	18	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW08	UA	A2D	Molybdenum, total	mg/L	12/15/15 - 07/31/23	12	0	CI around mean	0.00460	0.1	MCL/HBL	No Exceedance
APW08	UA	A2DR	Molybdenum, total	mg/L	12/15/15 - 10/10/23	13	0	CI around mean	0.00471	0.1	MCL/HBL	No Exceedance
APW08	UA	A3	Molybdenum, total	mg/L	12/15/15 - 01/18/24	14	0	CI around mean	0.00482	0.1	MCL/HBL	No Exceedance
APW08	UA	A3R	Molybdenum, total	mg/L	12/15/15 - 04/08/24	15	0	CI around mean	0.00483	0.1	MCL/HBL	No Exceedance
APW08	UA	A3D	Molybdenum, total	mg/L	12/15/15 - 07/09/24	16	0	CI around mean	0.00489	0.1	MCL/HBL	No Exceedance
APW08	UA	A3DR	Molybdenum, total	mg/L	12/15/15 - 10/02/24	17	0	CI around mean	0.00475	0.1	MCL/HBL	No Exceedance
APW08	UA	A2D	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 07/31/23	13	0	CI around mean	0.989	5	MCL/HBL	No Exceedance
APW08	UA	A2DR	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 10/10/23	14	0	CI around mean	1.06	5	MCL/HBL	No Exceedance
APW08	UA	A3	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 01/18/24	15	0	CI around geomean	0.984	5	MCL/HBL	No Exceedance
APW08	UA	A3R	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 04/08/24	16	0	CI around geomean	0.975	5	MCL/HBL	No Exceedance
APW08	UA	A3D	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 07/09/24	17	0	CI around geomean	0.949	5	MCL/HBL	No Exceedance
APW08	UA	A3DR	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 10/02/24	18	0	CI around geomean	0.917	5	MCL/HBL	No Exceedance
APW08	UA	A2D	Selenium, total	mg/L	12/15/15 - 07/31/23	13	92	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW08	UA	A2DR	Selenium, total	mg/L	12/15/15 - 10/10/23	14	92	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW08	UA	A3	Selenium, total	mg/L	12/15/15 - 01/18/24	15	93	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW08	UA	A3R	Selenium, total	mg/L	12/15/15 - 04/08/24	16	93	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW08	UA	A3D	Selenium, total	mg/L	12/15/15 - 07/09/24	17	94	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW08	UA	A3DR	Selenium, total	mg/L	12/15/15 - 10/02/24	18	94	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW08	UA	A2D	Thallium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW08	UA	A2DR	Thallium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW08	UA	A3	Thallium, total	mg/L	12/15/15 - 01/18/24	14	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW08	UA	A3R	Thallium, total	mg/L	12/15/15 - 04/08/24	15	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW08	UA	A3D	Thallium, total	mg/L	12/15/15 - 07/09/24	16	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW08	UA	A3DR	Thallium, total	mg/L	12/15/15 - 10/02/24	17	100	All ND - Last	0.002	0.00250	Background	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW09	UA	A2D	Antimony, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW09	UA	A2DR	Antimony, total	mg/L	12/15/15 - 10/10/23	13	92	CI around median	0.00300	0.006	MCL/HBL	No Exceedance
APW09	UA	A3	Antimony, total	mg/L	12/15/15 - 01/23/24	14	92	CB around T-S line	0.00136	0.006	MCL/HBL	No Exceedance
APW09	UA	A3R	Antimony, total	mg/L	12/15/15 - 04/09/24	15	93	CB around T-S line	0.00103	0.006	MCL/HBL	No Exceedance
APW09	UA	A3D	Antimony, total	mg/L	12/15/15 - 07/02/24	16	93	CB around T-S line	0.000774	0.006	MCL/HBL	No Exceedance
APW09	UA	A3DR	Antimony, total	mg/L	12/15/15 - 10/08/24	17	94	CB around T-S line	0.000690	0.006	MCL/HBL	No Exceedance
APW09	UA	A2D	Arsenic, total	mg/L	12/15/15 - 07/31/23	13	0	CB around linear reg	0.0250	0.0274	Background	No Exceedance
APW09	UA	A2DR	Arsenic, total	mg/L	12/15/15 - 10/10/23	14	0	CB around linear reg	0.0187	0.0274	Background	No Exceedance
APW09	UA	A3	Arsenic, total	mg/L	12/15/15 - 01/23/24	15	0	CB around linear reg	0.0208	0.0274	Background	No Exceedance
APW09	UA	A3R	Arsenic, total	mg/L	12/15/15 - 04/09/24	16	0	CB around linear reg	0.0220	0.0274	Background	No Exceedance
APW09	UA	A3D	Arsenic, total	mg/L	12/15/15 - 07/02/24	17	0	CB around linear reg	0.0229	0.0274	Background	No Exceedance
APW09	UA	A3DR	Arsenic, total	mg/L	12/15/15 - 10/08/24	18	0	CB around linear reg	0.0241	0.0274	Background	No Exceedance
APW09	UA	A2D	Barium, total	mg/L	12/15/15 - 07/31/23	13	0	CB around linear reg	0.336	2.0	MCL/HBL	No Exceedance
APW09	UA	A2DR	Barium, total	mg/L	12/15/15 - 10/10/23	14	0	CI around mean	0.301	2.0	MCL/HBL	No Exceedance
APW09	UA	A3	Barium, total	mg/L	12/15/15 - 01/23/24	15	0	CI around mean	0.311	2.0	MCL/HBL	No Exceedance
APW09	UA	A3R	Barium, total	mg/L	12/15/15 - 04/09/24	16	0	CB around linear reg	0.376	2.0	MCL/HBL	No Exceedance
APW09	UA	A3D	Barium, total	mg/L	12/15/15 - 07/02/24	17	0	CB around linear reg	0.383	2.0	MCL/HBL	No Exceedance
APW09	UA	A3DR	Barium, total	mg/L	12/15/15 - 10/08/24	18	0	CI around mean	0.332	2.0	MCL/HBL	No Exceedance
APW09	UA	A2D	Beryllium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW09	UA	A2DR	Beryllium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW09	UA	A3	Beryllium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW09	UA	A3R	Beryllium, total	mg/L	12/15/15 - 04/09/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW09	UA	A3D	Beryllium, total	mg/L	12/15/15 - 07/02/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW09	UA	A3DR	Beryllium, total	mg/L	12/15/15 - 10/08/24	17	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW09	UA	A2D	Cadmium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW09	UA	A2DR	Cadmium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW09	UA	A3	Cadmium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW09	UA	A3R	Cadmium, total	mg/L	12/15/15 - 04/09/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW09	UA	A3D	Cadmium, total	mg/L	12/15/15 - 07/02/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW09	UA	A3DR	Cadmium, total	mg/L	12/15/15 - 10/08/24	17	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW09	UA	A2D	Chromium, total	mg/L	12/15/15 - 07/31/23	13	69	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW09	UA	A2DR	Chromium, total	mg/L	12/15/15 - 10/10/23	14	64	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW09	UA	A3	Chromium, total	mg/L	12/15/15 - 01/23/24	15	66	CI around median	0.00330	0.1	MCL/HBL	No Exceedance
APW09	UA	A3R	Chromium, total	mg/L	12/15/15 - 04/09/24	16	68	CI around median	0.00330	0.1	MCL/HBL	No Exceedance
APW09	UA	A3D	Chromium, total	mg/L	12/15/15 - 07/02/24	17	64	CI around median	0.00270	0.1	MCL/HBL	No Exceedance
APW09	UA	A3DR	Chromium, total	mg/L	12/15/15 - 10/08/24	18	66	CI around median	0.00270	0.1	MCL/HBL	No Exceedance
APW09	UA	A2D	Cobalt, total	mg/L	12/15/15 - 07/31/23	12	91	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW09	UA	A2DR	Cobalt, total	mg/L	12/15/15 - 10/10/23	13	92	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW09	UA	A3	Cobalt, total	mg/L	12/15/15 - 01/23/24	14	92	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
APW09	UA	A3R	Cobalt, total	mg/L	12/15/15 - 04/09/24	15	93	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
APW09	UA	A3D	Cobalt, total	mg/L	12/15/15 - 07/02/24	16	87	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
APW09	UA	A3DR	Cobalt, total	mg/L	12/15/15 - 10/08/24	17	88	CB around T-S line	0.000846	0.006	MCL/HBL	No Exceedance
APW09	UA	A2D	Fluoride, total	mg/L	12/15/15 - 07/31/23	26	3	CI around mean	0.467	4.0	MCL/HBL	No Exceedance
APW09	UA	A2DR	Fluoride, total	mg/L	12/15/15 - 10/10/23	27	3	CI around mean	0.472	4.0	MCL/HBL	No Exceedance
APW09	UA	A3	Fluoride, total	mg/L	12/15/15 - 01/23/24	28	3	CI around mean	0.471	4.0	MCL/HBL	No Exceedance
APW09	UA	A3R	Fluoride, total	mg/L	12/15/15 - 04/09/24	29	3	CI around mean	0.472	4.0	MCL/HBL	No Exceedance
APW09	UA	A3D	Fluoride, total	mg/L	12/15/15 - 07/02/24	30	3	CI around mean	0.474	4.0	MCL/HBL	No Exceedance
APW09	UA	A3DR	Fluoride, total	mg/L	12/15/15 - 10/08/24	31	6	CB around linear reg	0.289	4.0	MCL/HBL	No Exceedance
APW09	UA	A2D	Lead, total	mg/L	12/15/15 - 07/31/23	13	53	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW09	UA	A2DR	Lead, total	mg/L	12/15/15 - 10/10/23	14	57	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW09	UA	A3	Lead, total	mg/L	12/15/15 - 01/23/24	15	60	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW09	UA	A3R	Lead, total	mg/L	12/15/15 - 04/09/24	16	62	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW09	UA	A3D	Lead, total	mg/L	12/15/15 - 07/02/24	17	58	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW09	UA	A3DR	Lead, total	mg/L	12/15/15 - 10/08/24	18	61	CI around median	0.00100	0.015	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW09	UA	A2D	Lithium, total	mg/L	12/15/15 - 07/31/23	13	92	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
APW09	UA	A2DR	Lithium, total	mg/L	12/15/15 - 10/10/23	14	85	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
APW09	UA	A3	Lithium, total	mg/L	12/15/15 - 01/23/24	15	80	CI around median	0.00800	0.04	MCL/HBL	No Exceedance
APW09	UA	A3R	Lithium, total	mg/L	12/15/15 - 04/09/24	16	75	CI around median	0.00800	0.04	MCL/HBL	No Exceedance
APW09	UA	A3D	Lithium, total	mg/L	12/15/15 - 07/02/24	17	70	CI around median	0.00800	0.04	MCL/HBL	No Exceedance
APW09	UA	A3DR	Lithium, total	mg/L	12/15/15 - 10/08/24	18	66	CI around median	0.00880	0.04	MCL/HBL	No Exceedance
APW09	UA	A2D	Mercury, total	mg/L	12/15/15 - 07/31/23	13	84	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW09	UA	A2DR	Mercury, total	mg/L	12/15/15 - 10/10/23	14	85	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW09	UA	A3	Mercury, total	mg/L	12/15/15 - 01/23/24	15	86	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW09	UA	A3R	Mercury, total	mg/L	12/15/15 - 04/09/24	16	87	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW09	UA	A3D	Mercury, total	mg/L	12/15/15 - 07/02/24	17	88	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW09	UA	A3DR	Mercury, total	mg/L	12/15/15 - 10/08/24	18	88	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW09	UA	A2D	Molybdenum, total	mg/L	12/15/15 - 07/31/23	12	0	CB around linear reg	-0.00632	0.1	MCL/HBL	No Exceedance
APW09	UA	A2DR	Molybdenum, total	mg/L	12/15/15 - 10/10/23	13	0	CB around linear reg	-0.00379	0.1	MCL/HBL	No Exceedance
APW09	UA	A3	Molybdenum, total	mg/L	12/15/15 - 01/23/24	14	0	CB around linear reg	-0.00329	0.1	MCL/HBL	No Exceedance
APW09	UA	A3R	Molybdenum, total	mg/L	12/15/15 - 04/09/24	15	0	CB around linear reg	-0.00281	0.1	MCL/HBL	No Exceedance
APW09	UA	A3D	Molybdenum, total	mg/L	12/15/15 - 07/02/24	16	0	CB around linear reg	-0.00249	0.1	MCL/HBL	No Exceedance
APW09	UA	A3DR	Molybdenum, total	mg/L	12/15/15 - 10/08/24	17	0	CB around linear reg	-0.00218	0.1	MCL/HBL	No Exceedance
APW09	UA	A2D	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 07/31/23	13	0	CI around geomean	0.878	5	MCL/HBL	No Exceedance
APW09	UA	A2DR	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 10/10/23	14	0	CI around geomean	0.830	5	MCL/HBL	No Exceedance
APW09	UA	A3	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 01/23/24	15	0	CI around geomean	0.892	5	MCL/HBL	No Exceedance
APW09	UA	A3R	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 04/09/24	16	0	CI around geomean	0.929	5	MCL/HBL	No Exceedance
APW09	UA	A3D	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 07/02/24	17	0	CI around geomean	0.934	5	MCL/HBL	No Exceedance
APW09	UA	A3DR	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 10/08/24	18	0	CI around geomean	0.969	5	MCL/HBL	No Exceedance
APW09	UA	A2D	Selenium, total	mg/L	12/15/15 - 07/31/23	13	92	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW09	UA	A2DR	Selenium, total	mg/L	12/15/15 - 10/10/23	14	92	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW09	UA	A3	Selenium, total	mg/L	12/15/15 - 01/23/24	15	93	CI around median	0.00100	0.05	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW09	UA	A3R	Selenium, total	mg/L	12/15/15 - 04/09/24	16	93	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW09	UA	A3D	Selenium, total	mg/L	12/15/15 - 07/02/24	17	94	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW09	UA	A3DR	Selenium, total	mg/L	12/15/15 - 10/08/24	18	94	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW09	UA	A2D	Thallium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW09	UA	A2DR	Thallium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW09	UA	A3	Thallium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW09	UA	A3R	Thallium, total	mg/L	12/15/15 - 04/09/24	15	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW09	UA	A3D	Thallium, total	mg/L	12/15/15 - 07/02/24	16	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW09	UA	A3DR	Thallium, total	mg/L	12/15/15 - 10/08/24	17	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW10	UA	A2D	Antimony, total	mg/L	12/16/15 - 07/31/23	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW10	UA	A2DR	Antimony, total	mg/L	12/16/15 - 10/10/23	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW10	UA	A3	Antimony, total	mg/L	12/16/15 - 01/23/24	16	93	CB around T-S line	0.00108	0.006	MCL/HBL	No Exceedance
APW10	UA	A3R	Antimony, total	mg/L	12/16/15 - 04/08/24	17	94	CB around T-S line	0.00126	0.006	MCL/HBL	No Exceedance
APW10	UA	A3D	Antimony, total	mg/L	12/16/15 - 07/02/24	18	94	CB around T-S line	0.000760	0.006	MCL/HBL	No Exceedance
APW10	UA	A3DR	Antimony, total	mg/L	12/16/15 - 10/01/24	19	94	CB around T-S line	0.000691	0.006	MCL/HBL	No Exceedance
APW10	UA	A2D	Arsenic, total	mg/L	12/16/15 - 07/31/23	15	0	CI around mean	0.00612	0.0274	Background	No Exceedance
APW10	UA	A2DR	Arsenic, total	mg/L	12/16/15 - 10/10/23	16	0	CI around mean	0.00635	0.0274	Background	No Exceedance
APW10	UA	A3	Arsenic, total	mg/L	12/16/15 - 01/23/24	17	5	CI around mean	0.00564	0.0274	Background	No Exceedance
APW10	UA	A3R	Arsenic, total	mg/L	12/16/15 - 04/08/24	18	5	CI around mean	0.00588	0.0274	Background	No Exceedance
APW10	UA	A3D	Arsenic, total	mg/L	12/16/15 - 07/02/24	19	5	CI around mean	0.00599	0.0274	Background	No Exceedance
APW10	UA	A3DR	Arsenic, total	mg/L	12/16/15 - 10/01/24	20	5	CI around mean	0.00618	0.0274	Background	No Exceedance
APW10	UA	A2D	Barium, total	mg/L	12/16/15 - 07/31/23	15	0	CI around mean	0.0289	2.0	MCL/HBL	No Exceedance
APW10	UA	A2DR	Barium, total	mg/L	12/16/15 - 10/10/23	16	0	CI around mean	0.0296	2.0	MCL/HBL	No Exceedance
APW10	UA	A3	Barium, total	mg/L	12/16/15 - 01/23/24	17	0	CI around mean	0.0286	2.0	MCL/HBL	No Exceedance
APW10	UA	A3R	Barium, total	mg/L	12/16/15 - 04/08/24	18	0	CI around mean	0.0287	2.0	MCL/HBL	No Exceedance
APW10	UA	A3D	Barium, total	mg/L	12/16/15 - 07/02/24	19	0	CI around mean	0.0285	2.0	MCL/HBL	No Exceedance
APW10	UA	A3DR	Barium, total	mg/L	12/16/15 - 10/01/24	20	0	CI around mean	0.0287	2.0	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW10	UA	A2D	Beryllium, total	mg/L	12/16/15 - 07/31/23	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW10	UA	A2DR	Beryllium, total	mg/L	12/16/15 - 10/10/23	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW10	UA	A3	Beryllium, total	mg/L	12/16/15 - 01/23/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW10	UA	A3R	Beryllium, total	mg/L	12/16/15 - 04/08/24	17	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW10	UA	A3D	Beryllium, total	mg/L	12/16/15 - 07/02/24	18	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW10	UA	A3DR	Beryllium, total	mg/L	12/16/15 - 10/01/24	19	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW10	UA	A2D	Cadmium, total	mg/L	12/16/15 - 07/31/23	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW10	UA	A2DR	Cadmium, total	mg/L	12/16/15 - 10/10/23	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW10	UA	A3	Cadmium, total	mg/L	12/16/15 - 01/23/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW10	UA	A3R	Cadmium, total	mg/L	12/16/15 - 04/08/24	17	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW10	UA	A3D	Cadmium, total	mg/L	12/16/15 - 07/02/24	18	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW10	UA	A3DR	Cadmium, total	mg/L	12/16/15 - 10/01/24	19	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW10	UA	A2D	Chromium, total	mg/L	12/16/15 - 07/31/23	15	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW10	UA	A2DR	Chromium, total	mg/L	12/16/15 - 10/10/23	16	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW10	UA	A3	Chromium, total	mg/L	12/16/15 - 01/23/24	17	94	CB around T-S line	0.00265	0.1	MCL/HBL	No Exceedance
APW10	UA	A3R	Chromium, total	mg/L	12/16/15 - 04/08/24	18	88	CB around T-S line	0.00263	0.1	MCL/HBL	No Exceedance
APW10	UA	A3D	Chromium, total	mg/L	12/16/15 - 07/02/24	19	89	CB around T-S line	0.00218	0.1	MCL/HBL	No Exceedance
APW10	UA	A3DR	Chromium, total	mg/L	12/16/15 - 10/01/24	20	85	CB around T-S line	0.00193	0.1	MCL/HBL	No Exceedance
APW10	UA	A2D	Cobalt, total	mg/L	12/16/15 - 07/31/23	14	92	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW10	UA	A2DR	Cobalt, total	mg/L	12/16/15 - 10/10/23	15	93	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW10	UA	A3	Cobalt, total	mg/L	12/16/15 - 01/23/24	16	93	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW10	UA	A3R	Cobalt, total	mg/L	12/16/15 - 04/08/24	17	88	CI around median	0.00120	0.006	MCL/HBL	No Exceedance
APW10	UA	A3D	Cobalt, total	mg/L	12/16/15 - 07/02/24	18	88	CB around T-S line	0.00103	0.006	MCL/HBL	No Exceedance
APW10	UA	A3DR	Cobalt, total	mg/L	12/16/15 - 10/01/24	19	89	CB around T-S line	0.000851	0.006	MCL/HBL	No Exceedance
APW10	UA	A2D	Fluoride, total	mg/L	12/16/15 - 07/31/23	25	20	CI around mean	0.299	4.0	MCL/HBL	No Exceedance
APW10	UA	A2DR	Fluoride, total	mg/L	12/16/15 - 10/10/23	26	19	CI around mean	0.300	4.0	MCL/HBL	No Exceedance
APW10	UA	A3	Fluoride, total	mg/L	12/16/15 - 01/23/24	27	18	CI around mean	0.260	4.0	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW10	UA	A3R	Fluoride, total	mg/L	12/16/15 - 04/08/24	28	17	CI around mean	0.262	4.0	MCL/HBL	No Exceedance
APW10	UA	A3D	Fluoride, total	mg/L	12/16/15 - 07/02/24	29	17	CI around mean	0.261	4.0	MCL/HBL	No Exceedance
APW10	UA	A3DR	Fluoride, total	mg/L	12/16/15 - 10/01/24	30	20	CI around mean	0.261	4.0	MCL/HBL	No Exceedance
APW10	UA	A2D	Lead, total	mg/L	12/16/15 - 07/31/23	15	86	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW10	UA	A2DR	Lead, total	mg/L	12/16/15 - 10/10/23	16	87	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW10	UA	A3	Lead, total	mg/L	12/16/15 - 01/23/24	17	88	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW10	UA	A3R	Lead, total	mg/L	12/16/15 - 04/08/24	18	83	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW10	UA	A3D	Lead, total	mg/L	12/16/15 - 07/02/24	19	84	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW10	UA	A3DR	Lead, total	mg/L	12/16/15 - 10/01/24	20	85	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW10	UA	A2D	Lithium, total	mg/L	12/16/15 - 07/31/23	15	6	CB around linear reg	0.0140	0.04	MCL/HBL	No Exceedance
APW10	UA	A2DR	Lithium, total	mg/L	12/16/15 - 10/10/23	16	6	CB around linear reg	0.0143	0.04	MCL/HBL	No Exceedance
APW10	UA	A3	Lithium, total	mg/L	12/16/15 - 01/23/24	17	5	CB around T-S line	0.0125	0.04	MCL/HBL	No Exceedance
APW10	UA	A3R	Lithium, total	mg/L	12/16/15 - 04/08/24	18	5	CB around linear reg	0.0153	0.04	MCL/HBL	No Exceedance
APW10	UA	A3D	Lithium, total	mg/L	12/16/15 - 07/02/24	19	5	CB around T-S line	0.0140	0.04	MCL/HBL	No Exceedance
APW10	UA	A3DR	Lithium, total	mg/L	12/16/15 - 10/01/24	20	5	CI around mean	0.0200	0.04	MCL/HBL	No Exceedance
APW10	UA	A2D	Mercury, total	mg/L	12/16/15 - 07/31/23	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW10	UA	A2DR	Mercury, total	mg/L	12/16/15 - 10/10/23	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW10	UA	A3	Mercury, total	mg/L	12/16/15 - 01/23/24	17	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW10	UA	A3R	Mercury, total	mg/L	12/16/15 - 04/08/24	18	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW10	UA	A3D	Mercury, total	mg/L	12/16/15 - 07/02/24	19	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW10	UA	A3DR	Mercury, total	mg/L	12/16/15 - 10/01/24	20	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW10	UA	A2D	Molybdenum, total	mg/L	12/16/15 - 07/31/23	14	0	CB around linear reg	0.00554	0.1	MCL/HBL	No Exceedance
APW10	UA	A2DR	Molybdenum, total	mg/L	12/16/15 - 10/10/23	15	0	CB around linear reg	0.00579	0.1	MCL/HBL	No Exceedance
APW10	UA	A3	Molybdenum, total	mg/L	12/16/15 - 01/23/24	16	6	CB around T-S line	0.000571	0.1	MCL/HBL	No Exceedance
APW10	UA	A3R	Molybdenum, total	mg/L	12/16/15 - 04/08/24	17	5	CB around T-S line	0.000665	0.1	MCL/HBL	No Exceedance
APW10	UA	A3D	Molybdenum, total	mg/L	12/16/15 - 07/02/24	18	5	CB around T-S line	0.00311	0.1	MCL/HBL	No Exceedance
APW10	UA	A3DR	Molybdenum, total	mg/L	12/16/15 - 10/01/24	19	5	CB around T-S line	0.000845	0.1	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW10	UA	A2D	Radium 226 + Radium 228, total	pCi/L	12/16/15 - 07/31/23	15	0	CI around mean	0.453	5	MCL/HBL	No Exceedance
APW10	UA	A2DR	Radium 226 + Radium 228, total	pCi/L	12/16/15 - 10/10/23	16	0	CI around mean	0.477	5	MCL/HBL	No Exceedance
APW10	UA	A3	Radium 226 + Radium 228, total	pCi/L	12/16/15 - 01/23/24	17	0	CI around geomean	0.461	5	MCL/HBL	No Exceedance
APW10	UA	A3R	Radium 226 + Radium 228, total	pCi/L	12/16/15 - 04/08/24	18	0	CI around geomean	0.441	5	MCL/HBL	No Exceedance
APW10	UA	A3D	Radium 226 + Radium 228, total	pCi/L	12/16/15 - 07/02/24	19	0	CI around mean	0.422	5	MCL/HBL	No Exceedance
APW10	UA	A3DR	Radium 226 + Radium 228, total	pCi/L	12/16/15 - 10/01/24	20	0	CI around mean	0.441	5	MCL/HBL	No Exceedance
APW10	UA	A2D	Selenium, total	mg/L	12/16/15 - 07/31/23	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW10	UA	A2DR	Selenium, total	mg/L	12/16/15 - 10/10/23	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW10	UA	A3	Selenium, total	mg/L	12/16/15 - 01/23/24	17	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW10	UA	A3R	Selenium, total	mg/L	12/16/15 - 04/08/24	18	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW10	UA	A3D	Selenium, total	mg/L	12/16/15 - 07/02/24	19	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW10	UA	A3DR	Selenium, total	mg/L	12/16/15 - 10/01/24	20	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW10	UA	A2D	Thallium, total	mg/L	12/16/15 - 07/31/23	14	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW10	UA	A2DR	Thallium, total	mg/L	12/16/15 - 10/10/23	15	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW10	UA	A3	Thallium, total	mg/L	12/16/15 - 01/23/24	16	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW10	UA	A3R	Thallium, total	mg/L	12/16/15 - 04/08/24	17	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW10	UA	A3D	Thallium, total	mg/L	12/16/15 - 07/02/24	18	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW10	UA	A3DR	Thallium, total	mg/L	12/16/15 - 10/01/24	19	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW11	UA	A2D	Antimony, total	mg/L	02/18/21 - 07/24/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW11	UA	A2DR	Antimony, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW11	UA	A3	Antimony, total	mg/L	02/18/21 - 01/16/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW11	UA	A3R	Antimony, total	mg/L	02/18/21 - 04/04/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW11	UA	A3D	Antimony, total	mg/L	02/18/21 - 07/02/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW11	UA	A3DR	Antimony, total	mg/L	02/18/21 - 10/01/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW11	UA	A2D	Arsenic, total	mg/L	02/18/21 - 07/24/23	11	0	CI around mean	0.00182	0.0274	Background	No Exceedance
APW11	UA	A2DR	Arsenic, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	0.00208	0.0274	Background	No Exceedance
APW11	UA	A3	Arsenic, total	mg/L	02/18/21 - 01/16/24	13	0	CI around mean	0.00233	0.0274	Background	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW11	UA	A3R	Arsenic, total	mg/L	02/18/21 - 04/04/24	14	0	CI around mean	0.00241	0.0274	Background	No Exceedance
APW11	UA	A3D	Arsenic, total	mg/L	02/18/21 - 07/02/24	15	0	CI around mean	0.00246	0.0274	Background	No Exceedance
APW11	UA	A3DR	Arsenic, total	mg/L	02/18/21 - 10/01/24	16	0	CI around mean	0.00263	0.0274	Background	No Exceedance
APW11	UA	A2D	Barium, total	mg/L	02/18/21 - 07/24/23	11	0	CB around T-S line	-0.375	2.0	MCL/HBL	No Exceedance
APW11	UA	A2DR	Barium, total	mg/L	02/18/21 - 10/10/23	12	0	CB around T-S line	-0.246	2.0	MCL/HBL	No Exceedance
APW11	UA	A3	Barium, total	mg/L	02/18/21 - 01/16/24	13	0	CI around median	0.0430	2.0	MCL/HBL	No Exceedance
APW11	UA	A3R	Barium, total	mg/L	02/18/21 - 04/04/24	14	0	CB around T-S line	-0.277	2.0	MCL/HBL	No Exceedance
APW11	UA	A3D	Barium, total	mg/L	02/18/21 - 07/02/24	15	0	CB around T-S line	-0.272	2.0	MCL/HBL	No Exceedance
APW11	UA	A3DR	Barium, total	mg/L	02/18/21 - 10/01/24	16	0	CB around T-S line	-0.120	2.0	MCL/HBL	No Exceedance
APW11	UA	A2D	Beryllium, total	mg/L	02/18/21 - 07/24/23	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW11	UA	A2DR	Beryllium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW11	UA	A3	Beryllium, total	mg/L	02/18/21 - 01/16/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW11	UA	A3R	Beryllium, total	mg/L	02/18/21 - 04/04/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW11	UA	A3D	Beryllium, total	mg/L	02/18/21 - 07/02/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW11	UA	A3DR	Beryllium, total	mg/L	02/18/21 - 10/01/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW11	UA	A2D	Cadmium, total	mg/L	02/18/21 - 07/24/23	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW11	UA	A2DR	Cadmium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW11	UA	A3	Cadmium, total	mg/L	02/18/21 - 01/16/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW11	UA	A3R	Cadmium, total	mg/L	02/18/21 - 04/04/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW11	UA	A3D	Cadmium, total	mg/L	02/18/21 - 07/02/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW11	UA	A3DR	Cadmium, total	mg/L	02/18/21 - 10/01/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW11	UA	A2D	Chromium, total	mg/L	02/18/21 - 07/24/23	11	63	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW11	UA	A2DR	Chromium, total	mg/L	02/18/21 - 10/10/23	12	66	CI around median	0.00390	0.1	MCL/HBL	No Exceedance
APW11	UA	A3	Chromium, total	mg/L	02/18/21 - 01/16/24	13	61	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW11	UA	A3R	Chromium, total	mg/L	02/18/21 - 04/04/24	14	57	CI around median	0.00390	0.1	MCL/HBL	No Exceedance
APW11	UA	A3D	Chromium, total	mg/L	02/18/21 - 07/02/24	15	60	CI around median	0.00260	0.1	MCL/HBL	No Exceedance
APW11	UA	A3DR	Chromium, total	mg/L	02/18/21 - 10/01/24	16	62	CI around median	0.00260	0.1	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW11	UA	A2D	Cobalt, total	mg/L	02/18/21 - 07/24/23	11	63	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW11	UA	A2DR	Cobalt, total	mg/L	02/18/21 - 10/10/23	12	66	CI around median	0.00130	0.006	MCL/HBL	No Exceedance
APW11	UA	A3	Cobalt, total	mg/L	02/18/21 - 01/16/24	13	61	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW11	UA	A3R	Cobalt, total	mg/L	02/18/21 - 04/04/24	14	64	CI around median	0.00130	0.006	MCL/HBL	No Exceedance
APW11	UA	A3D	Cobalt, total	mg/L	02/18/21 - 07/02/24	15	66	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
APW11	UA	A3DR	Cobalt, total	mg/L	02/18/21 - 10/01/24	16	68	CB around T-S line	-0.00108	0.006	MCL/HBL	No Exceedance
APW11	UA	A2D	Fluoride, total	mg/L	02/18/21 - 07/24/23	11	45	CI around mean	0.248	4.0	MCL/HBL	No Exceedance
APW11	UA	A2DR	Fluoride, total	mg/L	02/18/21 - 10/10/23	12	41	CI around mean	0.258	4.0	MCL/HBL	No Exceedance
APW11	UA	A3	Fluoride, total	mg/L	02/18/21 - 01/16/24	13	38	CI around mean	0.264	4.0	MCL/HBL	No Exceedance
APW11	UA	A3R	Fluoride, total	mg/L	02/18/21 - 04/04/24	14	35	CI around mean	0.270	4.0	MCL/HBL	No Exceedance
APW11	UA	A3D	Fluoride, total	mg/L	02/18/21 - 07/02/24	15	33	CI around mean	0.271	4.0	MCL/HBL	No Exceedance
APW11	UA	A3DR	Fluoride, total	mg/L	02/18/21 - 10/01/24	16	37	CI around mean	0.273	4.0	MCL/HBL	No Exceedance
APW11	UA	A2D	Lead, total	mg/L	02/18/21 - 07/24/23	11	54	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW11	UA	A2DR	Lead, total	mg/L	02/18/21 - 10/10/23	12	58	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW11	UA	A3	Lead, total	mg/L	02/18/21 - 01/16/24	13	53	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW11	UA	A3R	Lead, total	mg/L	02/18/21 - 04/04/24	14	50	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW11	UA	A3D	Lead, total	mg/L	02/18/21 - 07/02/24	15	53	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW11	UA	A3DR	Lead, total	mg/L	02/18/21 - 10/01/24	16	56	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW11	UA	A2D	Lithium, total	mg/L	02/18/21 - 07/24/23	11	9	CI around mean	0.0178	0.04	MCL/HBL	No Exceedance
APW11	UA	A2DR	Lithium, total	mg/L	02/18/21 - 10/10/23	12	8	CI around mean	0.0180	0.04	MCL/HBL	No Exceedance
APW11	UA	A3	Lithium, total	mg/L	02/18/21 - 01/16/24	13	7	CI around mean	0.0188	0.04	MCL/HBL	No Exceedance
APW11	UA	A3R	Lithium, total	mg/L	02/18/21 - 04/04/24	14	7	CI around mean	0.0192	0.04	MCL/HBL	No Exceedance
APW11	UA	A3D	Lithium, total	mg/L	02/18/21 - 07/02/24	15	6	CI around mean	0.0197	0.04	MCL/HBL	No Exceedance
APW11	UA	A3DR	Lithium, total	mg/L	02/18/21 - 10/01/24	16	6	CI around mean	0.0199	0.04	MCL/HBL	No Exceedance
APW11	UA	A2D	Mercury, total	mg/L	02/18/21 - 07/24/23	11	81	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW11	UA	A2DR	Mercury, total	mg/L	02/18/21 - 10/10/23	12	83	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW11	UA	A3	Mercury, total	mg/L	02/18/21 - 01/16/24	13	84	CI around median	0.000200	0.002	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW11	UA	A3R	Mercury, total	mg/L	02/18/21 - 04/04/24	14	78	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW11	UA	A3D	Mercury, total	mg/L	02/18/21 - 07/02/24	15	80	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW11	UA	A3DR	Mercury, total	mg/L	02/18/21 - 10/01/24	16	81	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW11	UA	A2D	Molybdenum, total	mg/L	02/18/21 - 07/24/23	10	0	CB around T-S line	-0.0654	0.1	MCL/HBL	No Exceedance
APW11	UA	A2DR	Molybdenum, total	mg/L	02/18/21 - 10/10/23	11	0	CI around median	0.00430	0.1	MCL/HBL	No Exceedance
APW11	UA	A3	Molybdenum, total	mg/L	02/18/21 - 01/16/24	12	0	CI around median	0.00430	0.1	MCL/HBL	No Exceedance
APW11	UA	A3R	Molybdenum, total	mg/L	02/18/21 - 04/04/24	13	0	CI around median	0.00440	0.1	MCL/HBL	No Exceedance
APW11	UA	A3D	Molybdenum, total	mg/L	02/18/21 - 07/02/24	14	0	CI around median	0.00430	0.1	MCL/HBL	No Exceedance
APW11	UA	A3DR	Molybdenum, total	mg/L	02/18/21 - 10/01/24	15	0	CB around T-S line	-0.0216	0.1	MCL/HBL	No Exceedance
APW11	UA	A2D	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 07/24/23	10	0	CI around geomean	0.529	5	MCL/HBL	No Exceedance
APW11	UA	A2DR	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 10/10/23	11	0	CI around geomean	0.560	5	MCL/HBL	No Exceedance
APW11	UA	A3	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 01/16/24	12	0	CI around mean	0.630	5	MCL/HBL	No Exceedance
APW11	UA	A3R	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 04/04/24	13	0	CI around mean	0.678	5	MCL/HBL	No Exceedance
APW11	UA	A3D	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 07/02/24	14	0	CI around mean	0.674	5	MCL/HBL	No Exceedance
APW11	UA	A3DR	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 10/01/24	15	0	CI around geomean	0.645	5	MCL/HBL	No Exceedance
APW11	UA	A2D	Selenium, total	mg/L	02/18/21 - 07/24/23	11	81	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW11	UA	A2DR	Selenium, total	mg/L	02/18/21 - 10/10/23	12	83	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW11	UA	A3	Selenium, total	mg/L	02/18/21 - 01/16/24	13	76	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW11	UA	A3R	Selenium, total	mg/L	02/18/21 - 04/04/24	14	78	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW11	UA	A3D	Selenium, total	mg/L	02/18/21 - 07/02/24	15	80	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW11	UA	A3DR	Selenium, total	mg/L	02/18/21 - 10/01/24	16	81	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW11	UA	A2D	Thallium, total	mg/L	02/18/21 - 07/24/23	11	90	CI around median	0.00100	0.00250	Background	No Exceedance
APW11	UA	A2DR	Thallium, total	mg/L	02/18/21 - 10/10/23	12	91	CI around median	0.00100	0.00250	Background	No Exceedance
APW11	UA	A3	Thallium, total	mg/L	02/18/21 - 01/16/24	13	92	CI around median	0.00100	0.00250	Background	No Exceedance
APW11	UA	A3R	Thallium, total	mg/L	02/18/21 - 04/04/24	14	92	CI around median	0.00100	0.00250	Background	No Exceedance
APW11	UA	A3D	Thallium, total	mg/L	02/18/21 - 07/02/24	15	93	CI around median	0.00100	0.00250	Background	No Exceedance
APW11	UA	A3DR	Thallium, total	mg/L	02/18/21 - 10/01/24	16	93	CB around T-S line	0.00100	0.00250	Background	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW12	UD	A2D	Antimony, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW12	UD	A2DR	Antimony, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW12	UD	A3	Antimony, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW12	UD	A3R	Antimony, total	mg/L	02/17/21 - 04/04/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW12	UD	A3D	Antimony, total	mg/L	02/17/21 - 07/02/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW12	UD	A3DR	Antimony, total	mg/L	02/17/21 - 10/01/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW12	UD	A2D	Arsenic, total	mg/L	02/17/21 - 07/24/23	11	9	CI around mean	0.00130	0.0274	Background	No Exceedance
APW12	UD	A2DR	Arsenic, total	mg/L	02/17/21 - 10/11/23	12	16	CI around mean	0.00120	0.0274	Background	No Exceedance
APW12	UD	A3	Arsenic, total	mg/L	02/17/21 - 01/16/24	13	23	CI around mean	0.00115	0.0274	Background	No Exceedance
APW12	UD	A3R	Arsenic, total	mg/L	02/17/21 - 04/04/24	14	28	CI around mean	0.00113	0.0274	Background	No Exceedance
APW12	UD	A3D	Arsenic, total	mg/L	02/17/21 - 07/02/24	15	33	CB around linear reg	0.000453	0.0274	Background	No Exceedance
APW12	UD	A3DR	Arsenic, total	mg/L	02/17/21 - 10/01/24	16	37	CB around linear reg	0.000439	0.0274	Background	No Exceedance
APW12	UD	A2D	Barium, total	mg/L	02/17/21 - 07/24/23	11	0	CB around linear reg	0.0162	2.0	MCL/HBL	No Exceedance
APW12	UD	A2DR	Barium, total	mg/L	02/17/21 - 10/11/23	12	0	CB around linear reg	0.0187	2.0	MCL/HBL	No Exceedance
APW12	UD	A3	Barium, total	mg/L	02/17/21 - 01/16/24	13	0	CI around mean	0.0338	2.0	MCL/HBL	No Exceedance
APW12	UD	A3R	Barium, total	mg/L	02/17/21 - 04/04/24	14	0	CB around linear reg	0.0216	2.0	MCL/HBL	No Exceedance
APW12	UD	A3D	Barium, total	mg/L	02/17/21 - 07/02/24	15	0	CI around mean	0.0342	2.0	MCL/HBL	No Exceedance
APW12	UD	A3DR	Barium, total	mg/L	02/17/21 - 10/01/24	16	0	CI around mean	0.0340	2.0	MCL/HBL	No Exceedance
APW12	UD	A2D	Beryllium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW12	UD	A2DR	Beryllium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW12	UD	A3	Beryllium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW12	UD	A3R	Beryllium, total	mg/L	02/17/21 - 04/04/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW12	UD	A3D	Beryllium, total	mg/L	02/17/21 - 07/02/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW12	UD	A3DR	Beryllium, total	mg/L	02/17/21 - 10/01/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW12	UD	A2D	Cadmium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW12	UD	A2DR	Cadmium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW12	UD	A3	Cadmium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW12	UD	A3R	Cadmium, total	mg/L	02/17/21 - 04/04/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW12	UD	A3D	Cadmium, total	mg/L	02/17/21 - 07/02/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW12	UD	A3DR	Cadmium, total	mg/L	02/17/21 - 10/01/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW12	UD	A2D	Chromium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW12	UD	A2DR	Chromium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW12	UD	A3	Chromium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW12	UD	A3R	Chromium, total	mg/L	02/17/21 - 04/04/24	14	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW12	UD	A3D	Chromium, total	mg/L	02/17/21 - 07/02/24	15	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW12	UD	A3DR	Chromium, total	mg/L	02/17/21 - 10/01/24	16	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW12	UD	A2D	Cobalt, total	mg/L	02/17/21 - 07/24/23	11	18	CB around linear reg	-0.00160	0.006	MCL/HBL	No Exceedance
APW12	UD	A2DR	Cobalt, total	mg/L	02/17/21 - 10/11/23	12	16	CB around linear reg	-0.00141	0.006	MCL/HBL	No Exceedance
APW12	UD	A3	Cobalt, total	mg/L	02/17/21 - 01/16/24	13	23	CB around linear reg	-0.00144	0.006	MCL/HBL	No Exceedance
APW12	UD	A3R	Cobalt, total	mg/L	02/17/21 - 04/04/24	14	21	CB around linear reg	-0.00140	0.006	MCL/HBL	No Exceedance
APW12	UD	A3D	Cobalt, total	mg/L	02/17/21 - 07/02/24	15	26	CB around linear reg	-0.00143	0.006	MCL/HBL	No Exceedance
APW12	UD	A3DR	Cobalt, total	mg/L	02/17/21 - 10/01/24	16	25	CB around linear reg	-0.00147	0.006	MCL/HBL	No Exceedance
APW12	UD	A2D	Fluoride, total	mg/L	02/17/21 - 07/24/23	11	90	CI around median	0.250	4.0	MCL/HBL	No Exceedance
APW12	UD	A2DR	Fluoride, total	mg/L	02/17/21 - 10/11/23	12	83	CI around median	0.220	4.0	MCL/HBL	No Exceedance
APW12	UD	A3	Fluoride, total	mg/L	02/17/21 - 01/16/24	13	76	CB around T-S line	0.178	4.0	MCL/HBL	No Exceedance
APW12	UD	A3R	Fluoride, total	mg/L	02/17/21 - 04/04/24	14	71	CB around T-S line	0.172	4.0	MCL/HBL	No Exceedance
APW12	UD	A3D	Fluoride, total	mg/L	02/17/21 - 07/02/24	15	66	CB around T-S line	0.155	4.0	MCL/HBL	No Exceedance
APW12	UD	A3DR	Fluoride, total	mg/L	02/17/21 - 10/01/24	16	68	CI around median	0.180	4.0	MCL/HBL	No Exceedance
APW12	UD	A2D	Lead, total	mg/L	02/17/21 - 07/24/23	11	90	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW12	UD	A2DR	Lead, total	mg/L	02/17/21 - 10/11/23	12	91	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW12	UD	A3	Lead, total	mg/L	02/17/21 - 01/16/24	13	92	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW12	UD	A3R	Lead, total	mg/L	02/17/21 - 04/04/24	14	92	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW12	UD	A3D	Lead, total	mg/L	02/17/21 - 07/02/24	15	93	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW12	UD	A3DR	Lead, total	mg/L	02/17/21 - 10/01/24	16	93	CI around median	0.00100	0.015	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW12	UD	A2D	Lithium, total	mg/L	02/17/21 - 07/24/23	11	0	CI around geomean	0.0248	0.04	MCL/HBL	No Exceedance
APW12	UD	A2DR	Lithium, total	mg/L	02/17/21 - 10/11/23	12	0	CI around mean	0.0252	0.04	MCL/HBL	No Exceedance
APW12	UD	A3	Lithium, total	mg/L	02/17/21 - 01/16/24	13	0	CI around mean	0.0261	0.04	MCL/HBL	No Exceedance
APW12	UD	A3R	Lithium, total	mg/L	02/17/21 - 04/04/24	14	0	CI around mean	0.0267	0.04	MCL/HBL	No Exceedance
APW12	UD	A3D	Lithium, total	mg/L	02/17/21 - 07/02/24	15	0	CI around mean	0.0276	0.04	MCL/HBL	No Exceedance
APW12	UD	A3DR	Lithium, total	mg/L	02/17/21 - 10/01/24	16	0	CI around mean	0.0278	0.04	MCL/HBL	No Exceedance
APW12	UD	A2D	Mercury, total	mg/L	02/17/21 - 07/24/23	11	90	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW12	UD	A2DR	Mercury, total	mg/L	02/17/21 - 10/11/23	12	91	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW12	UD	A3	Mercury, total	mg/L	02/17/21 - 01/16/24	13	92	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW12	UD	A3R	Mercury, total	mg/L	02/17/21 - 04/04/24	14	92	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW12	UD	A3D	Mercury, total	mg/L	02/17/21 - 07/02/24	15	93	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW12	UD	A3DR	Mercury, total	mg/L	02/17/21 - 10/01/24	16	93	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW12	UD	A2D	Molybdenum, total	mg/L	02/17/21 - 07/24/23	10	50	CI around geomean	0.000968	0.1	MCL/HBL	No Exceedance
APW12	UD	A2DR	Molybdenum, total	mg/L	02/17/21 - 10/11/23	11	54	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
APW12	UD	A3	Molybdenum, total	mg/L	02/17/21 - 01/16/24	12	58	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
APW12	UD	A3R	Molybdenum, total	mg/L	02/17/21 - 04/04/24	13	61	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
APW12	UD	A3D	Molybdenum, total	mg/L	02/17/21 - 07/02/24	14	64	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
APW12	UD	A3DR	Molybdenum, total	mg/L	02/17/21 - 10/01/24	15	66	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
APW12	UD	A2D	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 07/24/23	10	0	CI around geomean	0.165	5	MCL/HBL	No Exceedance
APW12	UD	A2DR	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 10/11/23	11	0	CI around mean	0.162	5	MCL/HBL	No Exceedance
APW12	UD	A3	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 01/16/24	12	0	CI around mean	0.230	5	MCL/HBL	No Exceedance
APW12	UD	A3R	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 04/04/24	13	0	CI around mean	0.293	5	MCL/HBL	No Exceedance
APW12	UD	A3D	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 07/02/24	14	0	CI around mean	0.314	5	MCL/HBL	No Exceedance
APW12	UD	A3DR	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 10/01/24	15	0	CI around mean	0.300	5	MCL/HBL	No Exceedance
APW12	UD	A2D	Selenium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW12	UD	A2DR	Selenium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW12	UD	A3	Selenium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW12	UD	A3R	Selenium, total	mg/L	02/17/21 - 04/04/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW12	UD	A3D	Selenium, total	mg/L	02/17/21 - 07/02/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW12	UD	A3DR	Selenium, total	mg/L	02/17/21 - 10/01/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW12	UD	A2D	Thallium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW12	UD	A2DR	Thallium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW12	UD	A3	Thallium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW12	UD	A3R	Thallium, total	mg/L	02/17/21 - 04/04/24	14	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW12	UD	A3D	Thallium, total	mg/L	02/17/21 - 07/02/24	15	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW12	UD	A3DR	Thallium, total	mg/L	02/17/21 - 10/01/24	16	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW13	UA	A2D	Antimony, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW13	UA	A2DR	Antimony, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW13	UA	A3	Antimony, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW13	UA	A3R	Antimony, total	mg/L	02/22/21 - 04/08/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW13	UA	A3D	Antimony, total	mg/L	02/22/21 - 07/02/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW13	UA	A3DR	Antimony, total	mg/L	02/22/21 - 10/01/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW13	UA	A2D	Arsenic, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	0.00331	0.0274	Background	No Exceedance
APW13	UA	A2DR	Arsenic, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	0.00341	0.0274	Background	No Exceedance
APW13	UA	A3	Arsenic, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	0.00340	0.0274	Background	No Exceedance
APW13	UA	A3R	Arsenic, total	mg/L	02/22/21 - 04/08/24	14	0	CI around mean	0.00357	0.0274	Background	No Exceedance
APW13	UA	A3D	Arsenic, total	mg/L	02/22/21 - 07/02/24	15	0	CI around mean	0.00374	0.0274	Background	No Exceedance
APW13	UA	A3DR	Arsenic, total	mg/L	02/22/21 - 10/01/24	16	0	CI around mean	0.00382	0.0274	Background	No Exceedance
APW13	UA	A2D	Barium, total	mg/L	02/22/21 - 07/31/23	11	0	CI around median	0.0500	2.0	MCL/HBL	No Exceedance
APW13	UA	A2DR	Barium, total	mg/L	02/22/21 - 10/10/23	12	0	CI around geomean	0.0501	2.0	MCL/HBL	No Exceedance
APW13	UA	A3	Barium, total	mg/L	02/22/21 - 01/17/24	13	0	CI around median	0.0500	2.0	MCL/HBL	No Exceedance
APW13	UA	A3R	Barium, total	mg/L	02/22/21 - 04/08/24	14	0	CI around median	0.0500	2.0	MCL/HBL	No Exceedance
APW13	UA	A3D	Barium, total	mg/L	02/22/21 - 07/02/24	15	0	CI around median	0.0500	2.0	MCL/HBL	No Exceedance
APW13	UA	A3DR	Barium, total	mg/L	02/22/21 - 10/01/24	16	0	CI around median	0.0505	2.0	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW13	UA	A2D	Beryllium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW13	UA	A2DR	Beryllium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW13	UA	A3	Beryllium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW13	UA	A3R	Beryllium, total	mg/L	02/22/21 - 04/08/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW13	UA	A3D	Beryllium, total	mg/L	02/22/21 - 07/02/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW13	UA	A3DR	Beryllium, total	mg/L	02/22/21 - 10/01/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW13	UA	A2D	Cadmium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW13	UA	A2DR	Cadmium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW13	UA	A3	Cadmium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW13	UA	A3R	Cadmium, total	mg/L	02/22/21 - 04/08/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW13	UA	A3D	Cadmium, total	mg/L	02/22/21 - 07/02/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW13	UA	A3DR	Cadmium, total	mg/L	02/22/21 - 10/01/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW13	UA	A2D	Chromium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW13	UA	A2DR	Chromium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW13	UA	A3	Chromium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW13	UA	A3R	Chromium, total	mg/L	02/22/21 - 04/08/24	14	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW13	UA	A3D	Chromium, total	mg/L	02/22/21 - 07/02/24	15	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW13	UA	A3DR	Chromium, total	mg/L	02/22/21 - 10/01/24	16	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW13	UA	A2D	Cobalt, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW13	UA	A2DR	Cobalt, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW13	UA	A3	Cobalt, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW13	UA	A3R	Cobalt, total	mg/L	02/22/21 - 04/08/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW13	UA	A3D	Cobalt, total	mg/L	02/22/21 - 07/02/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW13	UA	A3DR	Cobalt, total	mg/L	02/22/21 - 10/01/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW13	UA	A2D	Fluoride, total	mg/L	02/22/21 - 07/31/23	11	9	CI around mean	0.299	4.0	MCL/HBL	No Exceedance
APW13	UA	A2DR	Fluoride, total	mg/L	02/22/21 - 10/10/23	12	8	CI around mean	0.312	4.0	MCL/HBL	No Exceedance
APW13	UA	A3	Fluoride, total	mg/L	02/22/21 - 01/17/24	13	7	CI around mean	0.322	4.0	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW13	UA	A3R	Fluoride, total	mg/L	02/22/21 - 04/08/24	14	7	CI around median	0.327	4.0	MCL/HBL	No Exceedance
APW13	UA	A3D	Fluoride, total	mg/L	02/22/21 - 07/02/24	15	6	CI around median	0.327	4.0	MCL/HBL	No Exceedance
APW13	UA	A3DR	Fluoride, total	mg/L	02/22/21 - 10/01/24	16	12	CI around mean	0.328	4.0	MCL/HBL	No Exceedance
APW13	UA	A2D	Lead, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW13	UA	A2DR	Lead, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW13	UA	A3	Lead, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW13	UA	A3R	Lead, total	mg/L	02/22/21 - 04/08/24	14	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW13	UA	A3D	Lead, total	mg/L	02/22/21 - 07/02/24	15	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW13	UA	A3DR	Lead, total	mg/L	02/22/21 - 10/01/24	16	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW13	UA	A2D	Lithium, total	mg/L	02/22/21 - 07/31/23	11	0	CB around linear reg	0.00549	0.04	MCL/HBL	No Exceedance
APW13	UA	A2DR	Lithium, total	mg/L	02/22/21 - 10/10/23	12	0	CB around linear reg	0.00790	0.04	MCL/HBL	No Exceedance
APW13	UA	A3	Lithium, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	0.0262	0.04	MCL/HBL	No Exceedance
APW13	UA	A3R	Lithium, total	mg/L	02/22/21 - 04/08/24	14	0	CI around mean	0.0261	0.04	MCL/HBL	No Exceedance
APW13	UA	A3D	Lithium, total	mg/L	02/22/21 - 07/02/24	15	0	CI around mean	0.0265	0.04	MCL/HBL	No Exceedance
APW13	UA	A3DR	Lithium, total	mg/L	02/22/21 - 10/01/24	16	0	CI around mean	0.0264	0.04	MCL/HBL	No Exceedance
APW13	UA	A2D	Mercury, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW13	UA	A2DR	Mercury, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW13	UA	A3	Mercury, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW13	UA	A3R	Mercury, total	mg/L	02/22/21 - 04/08/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW13	UA	A3D	Mercury, total	mg/L	02/22/21 - 07/02/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW13	UA	A3DR	Mercury, total	mg/L	02/22/21 - 10/01/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW13	UA	A2D	Molybdenum, total	mg/L	02/22/21 - 07/31/23	10	0	CB around linear reg	-0.000226	0.1	MCL/HBL	No Exceedance
APW13	UA	A2DR	Molybdenum, total	mg/L	02/22/21 - 10/10/23	11	0	CB around linear reg	0.00174	0.1	MCL/HBL	No Exceedance
APW13	UA	A3	Molybdenum, total	mg/L	02/22/21 - 01/17/24	12	0	CB around linear reg	0.00250	0.1	MCL/HBL	No Exceedance
APW13	UA	A3R	Molybdenum, total	mg/L	02/22/21 - 04/08/24	13	0	CB around linear reg	0.00280	0.1	MCL/HBL	No Exceedance
APW13	UA	A3D	Molybdenum, total	mg/L	02/22/21 - 07/02/24	14	0	CB around linear reg	0.00274	0.1	MCL/HBL	No Exceedance
APW13	UA	A3DR	Molybdenum, total	mg/L	02/22/21 - 10/01/24	15	0	CB around linear reg	0.00278	0.1	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW13	UA	A2D	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 07/31/23	10	0	CI around mean	0.304	5	MCL/HBL	No Exceedance
APW13	UA	A2DR	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 10/10/23	11	0	CI around mean	0.344	5	MCL/HBL	No Exceedance
APW13	UA	A3	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 01/17/24	12	0	CI around mean	0.394	5	MCL/HBL	No Exceedance
APW13	UA	A3R	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 04/08/24	13	0	CI around mean	0.381	5	MCL/HBL	No Exceedance
APW13	UA	A3D	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 07/02/24	14	0	CI around mean	0.388	5	MCL/HBL	No Exceedance
APW13	UA	A3DR	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 10/01/24	15	0	CI around mean	0.419	5	MCL/HBL	No Exceedance
APW13	UA	A2D	Selenium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW13	UA	A2DR	Selenium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW13	UA	A3	Selenium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW13	UA	A3R	Selenium, total	mg/L	02/22/21 - 04/08/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW13	UA	A3D	Selenium, total	mg/L	02/22/21 - 07/02/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW13	UA	A3DR	Selenium, total	mg/L	02/22/21 - 10/01/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW13	UA	A2D	Thallium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW13	UA	A2DR	Thallium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW13	UA	A3	Thallium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW13	UA	A3R	Thallium, total	mg/L	02/22/21 - 04/08/24	14	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW13	UA	A3D	Thallium, total	mg/L	02/22/21 - 07/02/24	15	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW13	UA	A3DR	Thallium, total	mg/L	02/22/21 - 10/01/24	16	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW14	UA	A2D	Antimony, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW14	UA	A2DR	Antimony, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW14	UA	A3	Antimony, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW14	UA	A3R	Antimony, total	mg/L	02/22/21 - 04/04/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW14	UA	A3D	Antimony, total	mg/L	02/22/21 - 08/07/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW14	UA	A3DR	Antimony, total	mg/L	02/22/21 - 10/01/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW14	UA	A2D	Arsenic, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	0.00533	0.0274	Background	No Exceedance
APW14	UA	A2DR	Arsenic, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	0.00561	0.0274	Background	No Exceedance
APW14	UA	A3	Arsenic, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	0.00584	0.0274	Background	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW14	UA	A3R	Arsenic, total	mg/L	02/22/21 - 04/04/24	14	0	CI around mean	0.00590	0.0274	Background	No Exceedance
APW14	UA	A3D	Arsenic, total	mg/L	02/22/21 - 08/07/24	15	0	CI around mean	0.00589	0.0274	Background	No Exceedance
APW14	UA	A3DR	Arsenic, total	mg/L	02/22/21 - 10/01/24	16	0	CI around mean	0.00598	0.0274	Background	No Exceedance
APW14	UA	A2D	Barium, total	mg/L	02/22/21 - 07/31/23	11	0	CB around linear reg	0.0314	2.0	MCL/HBL	No Exceedance
APW14	UA	A2DR	Barium, total	mg/L	02/22/21 - 10/10/23	12	0	CB around linear reg	0.0378	2.0	MCL/HBL	No Exceedance
APW14	UA	A3	Barium, total	mg/L	02/22/21 - 01/17/24	13	0	CB around linear reg	0.0435	2.0	MCL/HBL	No Exceedance
APW14	UA	A3R	Barium, total	mg/L	02/22/21 - 04/04/24	14	0	CB around linear reg	0.0376	2.0	MCL/HBL	No Exceedance
APW14	UA	A3D	Barium, total	mg/L	02/22/21 - 08/07/24	15	0	CB around linear reg	0.0326	2.0	MCL/HBL	No Exceedance
APW14	UA	A3DR	Barium, total	mg/L	02/22/21 - 10/01/24	16	0	CB around linear reg	0.0318	2.0	MCL/HBL	No Exceedance
APW14	UA	A2D	Beryllium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW14	UA	A2DR	Beryllium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW14	UA	A3	Beryllium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW14	UA	A3R	Beryllium, total	mg/L	02/22/21 - 04/04/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW14	UA	A3D	Beryllium, total	mg/L	02/22/21 - 08/07/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW14	UA	A3DR	Beryllium, total	mg/L	02/22/21 - 10/01/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW14	UA	A2D	Cadmium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW14	UA	A2DR	Cadmium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW14	UA	A3	Cadmium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW14	UA	A3R	Cadmium, total	mg/L	02/22/21 - 04/04/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW14	UA	A3D	Cadmium, total	mg/L	02/22/21 - 08/07/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW14	UA	A3DR	Cadmium, total	mg/L	02/22/21 - 10/01/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW14	UA	A2D	Chromium, total	mg/L	02/22/21 - 07/31/23	11	90	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW14	UA	A2DR	Chromium, total	mg/L	02/22/21 - 10/10/23	12	83	CB around T-S line	0.000409	0.1	MCL/HBL	No Exceedance
APW14	UA	A3	Chromium, total	mg/L	02/22/21 - 01/17/24	13	84	CB around T-S line	-0.000209	0.1	MCL/HBL	No Exceedance
APW14	UA	A3R	Chromium, total	mg/L	02/22/21 - 04/04/24	14	85	CB around T-S line	0.000702	0.1	MCL/HBL	No Exceedance
APW14	UA	A3D	Chromium, total	mg/L	02/22/21 - 08/07/24	15	86	CB around T-S line	0.000512	0.1	MCL/HBL	No Exceedance
APW14	UA	A3DR	Chromium, total	mg/L	02/22/21 - 10/01/24	16	87	CB around T-S line	0.000424	0.1	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW14	UA	A2D	Cobalt, total	mg/L	02/22/21 - 07/31/23	11	90	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW14	UA	A2DR	Cobalt, total	mg/L	02/22/21 - 10/10/23	12	91	CB around T-S line	0.000846	0.006	MCL/HBL	No Exceedance
APW14	UA	A3	Cobalt, total	mg/L	02/22/21 - 01/17/24	13	92	CB around T-S line	0.000683	0.006	MCL/HBL	No Exceedance
APW14	UA	A3R	Cobalt, total	mg/L	02/22/21 - 04/04/24	14	92	CB around T-S line	0.000734	0.006	MCL/HBL	No Exceedance
APW14	UA	A3D	Cobalt, total	mg/L	02/22/21 - 08/07/24	15	93	CB around T-S line	0.000615	0.006	MCL/HBL	No Exceedance
APW14	UA	A3DR	Cobalt, total	mg/L	02/22/21 - 10/01/24	16	93	CB around T-S line	0.000592	0.006	MCL/HBL	No Exceedance
APW14	UA	A2D	Fluoride, total	mg/L	02/22/21 - 07/31/23	11	27	CI around mean	0.271	4.0	MCL/HBL	No Exceedance
APW14	UA	A2DR	Fluoride, total	mg/L	02/22/21 - 10/10/23	12	25	CI around mean	0.277	4.0	MCL/HBL	No Exceedance
APW14	UA	A3	Fluoride, total	mg/L	02/22/21 - 01/17/24	13	23	CI around mean	0.282	4.0	MCL/HBL	No Exceedance
APW14	UA	A3R	Fluoride, total	mg/L	02/22/21 - 04/04/24	14	21	CI around mean	0.285	4.0	MCL/HBL	No Exceedance
APW14	UA	A3D	Fluoride, total	mg/L	02/22/21 - 08/07/24	15	20	CI around mean	0.285	4.0	MCL/HBL	No Exceedance
APW14	UA	A3DR	Fluoride, total	mg/L	02/22/21 - 10/01/24	16	25	CI around mean	0.287	4.0	MCL/HBL	No Exceedance
APW14	UA	A2D	Lead, total	mg/L	02/22/21 - 07/31/23	11	72	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW14	UA	A2DR	Lead, total	mg/L	02/22/21 - 10/10/23	12	75	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW14	UA	A3	Lead, total	mg/L	02/22/21 - 01/17/24	13	76	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW14	UA	A3R	Lead, total	mg/L	02/22/21 - 04/04/24	14	78	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW14	UA	A3D	Lead, total	mg/L	02/22/21 - 08/07/24	15	80	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW14	UA	A3DR	Lead, total	mg/L	02/22/21 - 10/01/24	16	81	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW14	UA	A2D	Lithium, total	mg/L	02/22/21 - 07/31/23	11	18	CB around linear reg	0.00124	0.04	MCL/HBL	No Exceedance
APW14	UA	A2DR	Lithium, total	mg/L	02/22/21 - 10/10/23	12	16	CB around linear reg	0.00367	0.04	MCL/HBL	No Exceedance
APW14	UA	A3	Lithium, total	mg/L	02/22/21 - 01/17/24	13	15	CI around mean	0.0236	0.04	MCL/HBL	No Exceedance
APW14	UA	A3R	Lithium, total	mg/L	02/22/21 - 04/04/24	14	14	CI around mean	0.0209	0.04	MCL/HBL	No Exceedance
APW14	UA	A3D	Lithium, total	mg/L	02/22/21 - 08/07/24	15	13	CB around linear reg	0.00235	0.04	MCL/HBL	No Exceedance
APW14	UA	A3DR	Lithium, total	mg/L	02/22/21 - 10/01/24	16	12	CB around linear reg	0.00377	0.04	MCL/HBL	No Exceedance
APW14	UA	A2D	Mercury, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW14	UA	A2DR	Mercury, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW14	UA	A3	Mercury, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW14	UA	A3R	Mercury, total	mg/L	02/22/21 - 04/04/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW14	UA	A3D	Mercury, total	mg/L	02/22/21 - 08/07/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW14	UA	A3DR	Mercury, total	mg/L	02/22/21 - 10/01/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW14	UA	A2D	Molybdenum, total	mg/L	02/22/21 - 07/31/23	10	0	CB around linear reg	-0.00289	0.1	MCL/HBL	No Exceedance
APW14	UA	A2DR	Molybdenum, total	mg/L	02/22/21 - 10/10/23	11	0	CB around linear reg	-0.000924	0.1	MCL/HBL	No Exceedance
APW14	UA	A3	Molybdenum, total	mg/L	02/22/21 - 01/17/24	12	0	CB around linear reg	-0.0000678	0.1	MCL/HBL	No Exceedance
APW14	UA	A3R	Molybdenum, total	mg/L	02/22/21 - 04/04/24	13	0	CB around T-S line	-0.0339	0.1	MCL/HBL	No Exceedance
APW14	UA	A3D	Molybdenum, total	mg/L	02/22/21 - 08/07/24	14	0	CB around T-S line	-0.0279	0.1	MCL/HBL	No Exceedance
APW14	UA	A3DR	Molybdenum, total	mg/L	02/22/21 - 10/01/24	15	0	CB around T-S line	-0.0296	0.1	MCL/HBL	No Exceedance
APW14	UA	A2D	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 07/31/23	10	0	CI around mean	0.410	5	MCL/HBL	No Exceedance
APW14	UA	A2DR	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 10/10/23	11	0	CI around mean	0.431	5	MCL/HBL	No Exceedance
APW14	UA	A3	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 01/17/24	12	0	CI around mean	0.477	5	MCL/HBL	No Exceedance
APW14	UA	A3R	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 04/04/24	13	0	CI around mean	0.446	5	MCL/HBL	No Exceedance
APW14	UA	A3D	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 08/07/24	14	0	CI around mean	0.467	5	MCL/HBL	No Exceedance
APW14	UA	A3DR	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 10/01/24	15	0	CI around mean	0.499	5	MCL/HBL	No Exceedance
APW14	UA	A2D	Selenium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW14	UA	A2DR	Selenium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW14	UA	A3	Selenium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW14	UA	A3R	Selenium, total	mg/L	02/22/21 - 04/04/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW14	UA	A3D	Selenium, total	mg/L	02/22/21 - 08/07/24	15	93	Most recent sample	0.00100	0.05	MCL/HBL	No Exceedance
APW14	UA	A3DR	Selenium, total	mg/L	02/22/21 - 10/01/24	16	93	Most recent sample	0.00100	0.05	MCL/HBL	No Exceedance
APW14	UA	A2D	Thallium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW14	UA	A2DR	Thallium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW14	UA	A3	Thallium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW14	UA	A3R	Thallium, total	mg/L	02/22/21 - 04/04/24	14	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW14	UA	A3D	Thallium, total	mg/L	02/22/21 - 08/07/24	15	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW14	UA	A3DR	Thallium, total	mg/L	02/22/21 - 10/01/24	16	100	All ND - Last	0.002	0.00250	Background	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW15	UA	A2D	Antimony, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW15	UA	A2DR	Antimony, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW15	UA	A3	Antimony, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW15	UA	A3R	Antimony, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW15	UA	A3D	Antimony, total	mg/L	02/23/21 - 08/07/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW15	UA	A3DR	Antimony, total	mg/L	02/23/21 - 10/01/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW15	UA	A2D	Arsenic, total	mg/L	02/23/21 - 08/01/23	11	0	CI around mean	0.0169	0.0274	Background	No Exceedance
APW15	UA	A2DR	Arsenic, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.0170	0.0274	Background	No Exceedance
APW15	UA	A3	Arsenic, total	mg/L	02/23/21 - 01/18/24	13	0	CI around mean	0.0176	0.0274	Background	No Exceedance
APW15	UA	A3R	Arsenic, total	mg/L	02/23/21 - 04/04/24	14	0	CI around mean	0.0181	0.0274	Background	No Exceedance
APW15	UA	A3D	Arsenic, total	mg/L	02/23/21 - 08/07/24	15	0	CB around linear reg	0.0250	0.0274	Background	No Exceedance
APW15	UA	A3DR	Arsenic, total	mg/L	02/23/21 - 10/01/24	16	0	CB around linear reg	0.0256	0.0274	Background	No Exceedance
APW15	UA	A2D	Barium, total	mg/L	02/23/21 - 08/01/23	11	0	CI around mean	0.564	2.0	MCL/HBL	No Exceedance
APW15	UA	A2DR	Barium, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.565	2.0	MCL/HBL	No Exceedance
APW15	UA	A3	Barium, total	mg/L	02/23/21 - 01/18/24	13	0	CI around mean	0.569	2.0	MCL/HBL	No Exceedance
APW15	UA	A3R	Barium, total	mg/L	02/23/21 - 04/04/24	14	0	CI around mean	0.570	2.0	MCL/HBL	No Exceedance
APW15	UA	A3D	Barium, total	mg/L	02/23/21 - 08/07/24	15	0	CI around mean	0.569	2.0	MCL/HBL	No Exceedance
APW15	UA	A3DR	Barium, total	mg/L	02/23/21 - 10/01/24	16	0	CI around mean	0.571	2.0	MCL/HBL	No Exceedance
APW15	UA	A2D	Beryllium, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW15	UA	A2DR	Beryllium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW15	UA	A3	Beryllium, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW15	UA	A3R	Beryllium, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW15	UA	A3D	Beryllium, total	mg/L	02/23/21 - 08/07/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW15	UA	A3DR	Beryllium, total	mg/L	02/23/21 - 10/01/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW15	UA	A2D	Cadmium, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW15	UA	A2DR	Cadmium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW15	UA	A3	Cadmium, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW15	UA	A3R	Cadmium, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW15	UA	A3D	Cadmium, total	mg/L	02/23/21 - 08/07/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW15	UA	A3DR	Cadmium, total	mg/L	02/23/21 - 10/01/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW15	UA	A2D	Chromium, total	mg/L	02/23/21 - 08/01/23	11	72	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW15	UA	A2DR	Chromium, total	mg/L	02/23/21 - 10/10/23	12	66	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW15	UA	A3	Chromium, total	mg/L	02/23/21 - 01/18/24	13	61	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW15	UA	A3R	Chromium, total	mg/L	02/23/21 - 04/04/24	14	57	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW15	UA	A3D	Chromium, total	mg/L	02/23/21 - 08/07/24	15	53	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW15	UA	A3DR	Chromium, total	mg/L	02/23/21 - 10/01/24	16	50	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
APW15	UA	A2D	Cobalt, total	mg/L	02/23/21 - 08/01/23	11	72	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW15	UA	A2DR	Cobalt, total	mg/L	02/23/21 - 10/10/23	12	66	CI around median	0.00160	0.006	MCL/HBL	No Exceedance
APW15	UA	A3	Cobalt, total	mg/L	02/23/21 - 01/18/24	13	61	CI around median	0.00170	0.006	MCL/HBL	No Exceedance
APW15	UA	A3R	Cobalt, total	mg/L	02/23/21 - 04/04/24	14	57	CI around median	0.00160	0.006	MCL/HBL	No Exceedance
APW15	UA	A3D	Cobalt, total	mg/L	02/23/21 - 08/07/24	15	53	CB around T-S line	0.00132	0.006	MCL/HBL	No Exceedance
APW15	UA	A3DR	Cobalt, total	mg/L	02/23/21 - 10/01/24	16	50	CB around linear reg	0.00123	0.006	MCL/HBL	No Exceedance
APW15	UA	A2D	Fluoride, total	mg/L	02/23/21 - 08/01/23	11	0	CI around geomean	0.568	4.0	MCL/HBL	No Exceedance
APW15	UA	A2DR	Fluoride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around geomean	0.550	4.0	MCL/HBL	No Exceedance
APW15	UA	A3	Fluoride, total	mg/L	02/23/21 - 01/18/24	13	0	CI around geomean	0.544	4.0	MCL/HBL	No Exceedance
APW15	UA	A3R	Fluoride, total	mg/L	02/23/21 - 04/04/24	14	0	CI around geomean	0.534	4.0	MCL/HBL	No Exceedance
APW15	UA	A3D	Fluoride, total	mg/L	02/23/21 - 08/07/24	15	0	CI around geomean	0.528	4.0	MCL/HBL	No Exceedance
APW15	UA	A3DR	Fluoride, total	mg/L	02/23/21 - 10/01/24	16	6	CI around geomean	0.486	4.0	MCL/HBL	No Exceedance
APW15	UA	A2D	Lead, total	mg/L	02/23/21 - 08/01/23	11	45	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW15	UA	A2DR	Lead, total	mg/L	02/23/21 - 10/10/23	12	41	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW15	UA	A3	Lead, total	mg/L	02/23/21 - 01/18/24	13	38	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW15	UA	A3R	Lead, total	mg/L	02/23/21 - 04/04/24	14	35	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW15	UA	A3D	Lead, total	mg/L	02/23/21 - 08/07/24	15	33	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW15	UA	A3DR	Lead, total	mg/L	02/23/21 - 10/01/24	16	31	CI around median	0.00100	0.015	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW15	UA	A2D	Lithium, total	mg/L	02/23/21 - 08/01/23	11	72	CI around median	0.0200	0.04	MCL/HBL	No Exceedance
APW15	UA	A2DR	Lithium, total	mg/L	02/23/21 - 10/10/23	12	66	CI around median	0.00730	0.04	MCL/HBL	No Exceedance
APW15	UA	A3	Lithium, total	mg/L	02/23/21 - 01/18/24	13	61	CI around median	0.00760	0.04	MCL/HBL	No Exceedance
APW15	UA	A3R	Lithium, total	mg/L	02/23/21 - 04/04/24	14	57	CI around median	0.00760	0.04	MCL/HBL	No Exceedance
APW15	UA	A3D	Lithium, total	mg/L	02/23/21 - 08/07/24	15	53	CI around median	0.00730	0.04	MCL/HBL	No Exceedance
APW15	UA	A3DR	Lithium, total	mg/L	02/23/21 - 10/01/24	16	50	CB around linear reg	0.00215	0.04	MCL/HBL	No Exceedance
APW15	UA	A2D	Mercury, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW15	UA	A2DR	Mercury, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW15	UA	A3	Mercury, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW15	UA	A3R	Mercury, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW15	UA	A3D	Mercury, total	mg/L	02/23/21 - 08/07/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW15	UA	A3DR	Mercury, total	mg/L	02/23/21 - 10/01/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW15	UA	A2D	Molybdenum, total	mg/L	02/23/21 - 08/01/23	10	0	CB around linear reg	-0.000246	0.1	MCL/HBL	No Exceedance
APW15	UA	A2DR	Molybdenum, total	mg/L	02/23/21 - 10/10/23	11	0	CB around linear reg	0.00127	0.1	MCL/HBL	No Exceedance
APW15	UA	A3	Molybdenum, total	mg/L	02/23/21 - 01/18/24	12	0	CB around linear reg	0.00132	0.1	MCL/HBL	No Exceedance
APW15	UA	A3R	Molybdenum, total	mg/L	02/23/21 - 04/04/24	13	0	CB around linear reg	0.00172	0.1	MCL/HBL	No Exceedance
APW15	UA	A3D	Molybdenum, total	mg/L	02/23/21 - 08/07/24	14	0	CB around linear reg	0.00104	0.1	MCL/HBL	No Exceedance
APW15	UA	A3DR	Molybdenum, total	mg/L	02/23/21 - 10/01/24	15	0	CB around linear reg	0.00108	0.1	MCL/HBL	No Exceedance
APW15	UA	A2D	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 08/01/23	10	0	CI around mean	1.55	5	MCL/HBL	No Exceedance
APW15	UA	A2DR	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/10/23	11	0	CI around mean	1.59	5	MCL/HBL	No Exceedance
APW15	UA	A3	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/18/24	12	0	CI around mean	1.60	5	MCL/HBL	No Exceedance
APW15	UA	A3R	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 04/04/24	13	0	CI around mean	1.70	5	MCL/HBL	No Exceedance
APW15	UA	A3D	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 08/07/24	14	0	CI around mean	1.66	5	MCL/HBL	No Exceedance
APW15	UA	A3DR	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/01/24	15	0	CI around mean	1.70	5	MCL/HBL	No Exceedance
APW15	UA	A2D	Selenium, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW15	UA	A2DR	Selenium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW15	UA	A3	Selenium, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW15	UA	A3R	Selenium, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW15	UA	A3D	Selenium, total	mg/L	02/23/21 - 08/07/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW15	UA	A3DR	Selenium, total	mg/L	02/23/21 - 10/01/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW15	UA	A2D	Thallium, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW15	UA	A2DR	Thallium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW15	UA	A3	Thallium, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW15	UA	A3R	Thallium, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW15	UA	A3D	Thallium, total	mg/L	02/23/21 - 08/07/24	15	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW15	UA	A3DR	Thallium, total	mg/L	02/23/21 - 10/01/24	16	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW16	UA	A2D	Antimony, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW16	UA	A2DR	Antimony, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW16	UA	A3	Antimony, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW16	UA	A3R	Antimony, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW16	UA	A3D	Antimony, total	mg/L	02/23/21 - 07/10/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW16	UA	A3DR	Antimony, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW16	UA	A2D	Arsenic, total	mg/L	02/23/21 - 07/31/23	11	0	CI around mean	0.00821	0.0274	Background	No Exceedance
APW16	UA	A2DR	Arsenic, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.00912	0.0274	Background	No Exceedance
APW16	UA	A3	Arsenic, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.0100	0.0274	Background	No Exceedance
APW16	UA	A3R	Arsenic, total	mg/L	02/23/21 - 04/04/24	14	0	CI around mean	0.0108	0.0274	Background	No Exceedance
APW16	UA	A3D	Arsenic, total	mg/L	02/23/21 - 07/10/24	15	0	CB around linear reg	0.0212	0.0274	Background	No Exceedance
APW16	UA	A3DR	Arsenic, total	mg/L	02/23/21 - 10/02/24	16	0	CB around linear reg	0.0220	0.0274	Background	No Exceedance
APW16	UA	A2D	Barium, total	mg/L	02/23/21 - 07/31/23	11	0	CI around mean	0.554	2.0	MCL/HBL	No Exceedance
APW16	UA	A2DR	Barium, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.559	2.0	MCL/HBL	No Exceedance
APW16	UA	A3	Barium, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.558	2.0	MCL/HBL	No Exceedance
APW16	UA	A3R	Barium, total	mg/L	02/23/21 - 04/04/24	14	0	CB around linear reg	0.488	2.0	MCL/HBL	No Exceedance
APW16	UA	A3D	Barium, total	mg/L	02/23/21 - 07/10/24	15	0	CB around linear reg	0.491	2.0	MCL/HBL	No Exceedance
APW16	UA	A3DR	Barium, total	mg/L	02/23/21 - 10/02/24	16	0	CI around mean	0.558	2.0	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW16	UA	A2D	Beryllium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW16	UA	A2DR	Beryllium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW16	UA	A3	Beryllium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW16	UA	A3R	Beryllium, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW16	UA	A3D	Beryllium, total	mg/L	02/23/21 - 07/10/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW16	UA	A3DR	Beryllium, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW16	UA	A2D	Cadmium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW16	UA	A2DR	Cadmium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW16	UA	A3	Cadmium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW16	UA	A3R	Cadmium, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW16	UA	A3D	Cadmium, total	mg/L	02/23/21 - 07/10/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW16	UA	A3DR	Cadmium, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW16	UA	A2D	Chromium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW16	UA	A2DR	Chromium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW16	UA	A3	Chromium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW16	UA	A3R	Chromium, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW16	UA	A3D	Chromium, total	mg/L	02/23/21 - 07/10/24	15	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW16	UA	A3DR	Chromium, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW16	UA	A2D	Cobalt, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW16	UA	A2DR	Cobalt, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW16	UA	A3	Cobalt, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW16	UA	A3R	Cobalt, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW16	UA	A3D	Cobalt, total	mg/L	02/23/21 - 07/10/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW16	UA	A3DR	Cobalt, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW16	UA	A2D	Fluoride, total	mg/L	02/23/21 - 07/31/23	11	0	CI around mean	0.617	4.0	MCL/HBL	No Exceedance
APW16	UA	A2DR	Fluoride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.629	4.0	MCL/HBL	No Exceedance
APW16	UA	A3	Fluoride, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.640	4.0	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW16	UA	A3R	Fluoride, total	mg/L	02/23/21 - 04/04/24	14	0	CI around mean	0.650	4.0	MCL/HBL	No Exceedance
APW16	UA	A3D	Fluoride, total	mg/L	02/23/21 - 07/10/24	15	0	CI around mean	0.657	4.0	MCL/HBL	No Exceedance
APW16	UA	A3DR	Fluoride, total	mg/L	02/23/21 - 10/02/24	16	0	CI around mean	0.659	4.0	MCL/HBL	No Exceedance
APW16	UA	A2D	Lead, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW16	UA	A2DR	Lead, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW16	UA	A3	Lead, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW16	UA	A3R	Lead, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW16	UA	A3D	Lead, total	mg/L	02/23/21 - 07/10/24	15	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW16	UA	A3DR	Lead, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW16	UA	A2D	Lithium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
APW16	UA	A2DR	Lithium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
APW16	UA	A3	Lithium, total	mg/L	02/23/21 - 01/17/24	13	92	CI around median	0.00330	0.04	MCL/HBL	No Exceedance
APW16	UA	A3R	Lithium, total	mg/L	02/23/21 - 04/04/24	14	85	CB around T-S line	-0.000954	0.04	MCL/HBL	No Exceedance
APW16	UA	A3D	Lithium, total	mg/L	02/23/21 - 07/10/24	15	86	CB around T-S line	-0.00242	0.04	MCL/HBL	No Exceedance
APW16	UA	A3DR	Lithium, total	mg/L	02/23/21 - 10/02/24	16	87	CB around T-S line	-0.00326	0.04	MCL/HBL	No Exceedance
APW16	UA	A2D	Mercury, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW16	UA	A2DR	Mercury, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW16	UA	A3	Mercury, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW16	UA	A3R	Mercury, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW16	UA	A3D	Mercury, total	mg/L	02/23/21 - 07/10/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW16	UA	A3DR	Mercury, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW16	UA	A2D	Molybdenum, total	mg/L	02/23/21 - 07/31/23	10	50	CB around linear reg	-0.00225	0.1	MCL/HBL	No Exceedance
APW16	UA	A2DR	Molybdenum, total	mg/L	02/23/21 - 10/10/23	11	54	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
APW16	UA	A3	Molybdenum, total	mg/L	02/23/21 - 01/17/24	12	58	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
APW16	UA	A3R	Molybdenum, total	mg/L	02/23/21 - 04/04/24	13	61	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
APW16	UA	A3D	Molybdenum, total	mg/L	02/23/21 - 07/10/24	14	64	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
APW16	UA	A3DR	Molybdenum, total	mg/L	02/23/21 - 10/02/24	15	66	CI around median	0.00100	0.1	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW16	UA	A2D	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 07/31/23	10	0	CI around geomean	1.28	5	MCL/HBL	No Exceedance
APW16	UA	A2DR	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/10/23	11	0	CI around geomean	1.37	5	MCL/HBL	No Exceedance
APW16	UA	A3	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/17/24	12	0	CI around geomean	1.45	5	MCL/HBL	No Exceedance
APW16	UA	A3R	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 04/04/24	13	0	CI around geomean	1.52	5	MCL/HBL	No Exceedance
APW16	UA	A3D	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 07/10/24	14	0	CI around geomean	1.53	5	MCL/HBL	No Exceedance
APW16	UA	A3DR	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/02/24	15	0	CI around geomean	1.50	5	MCL/HBL	No Exceedance
APW16	UA	A2D	Selenium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW16	UA	A2DR	Selenium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW16	UA	A3	Selenium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW16	UA	A3R	Selenium, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW16	UA	A3D	Selenium, total	mg/L	02/23/21 - 07/10/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW16	UA	A3DR	Selenium, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW16	UA	A2D	Thallium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW16	UA	A2DR	Thallium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW16	UA	A3	Thallium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW16	UA	A3R	Thallium, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW16	UA	A3D	Thallium, total	mg/L	02/23/21 - 07/10/24	15	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW16	UA	A3DR	Thallium, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW17	UA	A2D	Antimony, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW17	UA	A2DR	Antimony, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW17	UA	A3	Antimony, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW17	UA	A3R	Antimony, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW17	UA	A3D	Antimony, total	mg/L	02/23/21 - 07/09/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW17	UA	A3DR	Antimony, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW17	UA	A2D	Arsenic, total	mg/L	02/23/21 - 07/25/23	11	0	CB around linear reg	0.0221	0.0274	Background	No Exceedance
APW17	UA	A2DR	Arsenic, total	mg/L	02/23/21 - 10/10/23	12	0	CB around linear reg	0.0256	0.0274	Background	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW17	UA	A3	Arsenic, total	mg/L	02/23/21 - 01/17/24	13	0	CB around linear reg	0.0297	0.0274	Background	Exceedance Not Confirmed
APW17	UA	A3R	Arsenic, total	mg/L	02/23/21 - 04/04/24	14	0	CB around linear reg	0.0246	0.0274	Background	No Exceedance
APW17	UA	A3D	Arsenic, total	mg/L	02/23/21 - 07/09/24	15	0	CB around linear reg	0.0254	0.0274	Background	No Exceedance
APW17	UA	A3DR	Arsenic, total	mg/L	02/23/21 - 10/02/24	16	0	CB around linear reg	0.0247	0.0274	Background	No Exceedance
APW17	UA	A2D	Barium, total	mg/L	02/23/21 - 07/25/23	11	0	CI around mean	0.570	2.0	MCL/HBL	No Exceedance
APW17	UA	A2DR	Barium, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.566	2.0	MCL/HBL	No Exceedance
APW17	UA	A3	Barium, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.572	2.0	MCL/HBL	No Exceedance
APW17	UA	A3R	Barium, total	mg/L	02/23/21 - 04/04/24	14	0	CI around mean	0.569	2.0	MCL/HBL	No Exceedance
APW17	UA	A3D	Barium, total	mg/L	02/23/21 - 07/09/24	15	0	CI around mean	0.571	2.0	MCL/HBL	No Exceedance
APW17	UA	A3DR	Barium, total	mg/L	02/23/21 - 10/02/24	16	0	CI around mean	0.572	2.0	MCL/HBL	No Exceedance
APW17	UA	A2D	Beryllium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW17	UA	A2DR	Beryllium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW17	UA	A3	Beryllium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW17	UA	A3R	Beryllium, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW17	UA	A3D	Beryllium, total	mg/L	02/23/21 - 07/09/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW17	UA	A3DR	Beryllium, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
APW17	UA	A2D	Cadmium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW17	UA	A2DR	Cadmium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW17	UA	A3	Cadmium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW17	UA	A3R	Cadmium, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW17	UA	A3D	Cadmium, total	mg/L	02/23/21 - 07/09/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW17	UA	A3DR	Cadmium, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
APW17	UA	A2D	Chromium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW17	UA	A2DR	Chromium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW17	UA	A3	Chromium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW17	UA	A3R	Chromium, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW17	UA	A3D	Chromium, total	mg/L	02/23/21 - 07/09/24	15	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW17	UA	A3DR	Chromium, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
APW17	UA	A2D	Cobalt, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW17	UA	A2DR	Cobalt, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW17	UA	A3	Cobalt, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW17	UA	A3R	Cobalt, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW17	UA	A3D	Cobalt, total	mg/L	02/23/21 - 07/09/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW17	UA	A3DR	Cobalt, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
APW17	UA	A2D	Fluoride, total	mg/L	02/23/21 - 07/25/23	11	0	CI around mean	0.414	4.0	MCL/HBL	No Exceedance
APW17	UA	A2DR	Fluoride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.427	4.0	MCL/HBL	No Exceedance
APW17	UA	A3	Fluoride, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.437	4.0	MCL/HBL	No Exceedance
APW17	UA	A3R	Fluoride, total	mg/L	02/23/21 - 04/04/24	14	0	CI around mean	0.445	4.0	MCL/HBL	No Exceedance
APW17	UA	A3D	Fluoride, total	mg/L	02/23/21 - 07/09/24	15	0	CI around geomean	0.457	4.0	MCL/HBL	No Exceedance
APW17	UA	A3DR	Fluoride, total	mg/L	02/23/21 - 10/02/24	16	6	CI around mean	0.428	4.0	MCL/HBL	No Exceedance
APW17	UA	A2D	Lead, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW17	UA	A2DR	Lead, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW17	UA	A3	Lead, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW17	UA	A3R	Lead, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW17	UA	A3D	Lead, total	mg/L	02/23/21 - 07/09/24	15	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW17	UA	A3DR	Lead, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
APW17	UA	A2D	Lithium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
APW17	UA	A2DR	Lithium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
APW17	UA	A3	Lithium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
APW17	UA	A3R	Lithium, total	mg/L	02/23/21 - 04/04/24	14	92	CB around T-S line	-0.000811	0.04	MCL/HBL	No Exceedance
APW17	UA	A3D	Lithium, total	mg/L	02/23/21 - 07/09/24	15	93	CB around T-S line	-0.00275	0.04	MCL/HBL	No Exceedance
APW17	UA	A3DR	Lithium, total	mg/L	02/23/21 - 10/02/24	16	93	CB around T-S line	-0.00326	0.04	MCL/HBL	No Exceedance
APW17	UA	A2D	Mercury, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW17	UA	A2DR	Mercury, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW17	UA	A3	Mercury, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW17	UA	A3R	Mercury, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW17	UA	A3D	Mercury, total	mg/L	02/23/21 - 07/09/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW17	UA	A3DR	Mercury, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
APW17	UA	A2D	Molybdenum, total	mg/L	02/23/21 - 07/25/23	10	0	CI around median	0.00480	0.1	MCL/HBL	No Exceedance
APW17	UA	A2DR	Molybdenum, total	mg/L	02/23/21 - 10/10/23	11	0	CI around median	0.00480	0.1	MCL/HBL	No Exceedance
APW17	UA	A3	Molybdenum, total	mg/L	02/23/21 - 01/17/24	12	0	CI around median	0.00480	0.1	MCL/HBL	No Exceedance
APW17	UA	A3R	Molybdenum, total	mg/L	02/23/21 - 04/04/24	13	0	CI around median	0.00480	0.1	MCL/HBL	No Exceedance
APW17	UA	A3D	Molybdenum, total	mg/L	02/23/21 - 07/09/24	14	0	CI around median	0.00480	0.1	MCL/HBL	No Exceedance
APW17	UA	A3DR	Molybdenum, total	mg/L	02/23/21 - 10/02/24	15	0	CI around median	0.00480	0.1	MCL/HBL	No Exceedance
APW17	UA	A2D	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 07/25/23	10	0	CI around mean	0.787	5	MCL/HBL	No Exceedance
APW17	UA	A2DR	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/10/23	11	0	CI around mean	0.915	5	MCL/HBL	No Exceedance
APW17	UA	A3	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/17/24	12	0	CB around linear reg	1.08	5	MCL/HBL	No Exceedance
APW17	UA	A3R	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 04/04/24	13	0	CB around linear reg	1.40	5	MCL/HBL	No Exceedance
APW17	UA	A3D	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 07/09/24	14	0	CB around linear reg	1.29	5	MCL/HBL	No Exceedance
APW17	UA	A3DR	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/02/24	15	0	CI around mean	1.17	5	MCL/HBL	No Exceedance
APW17	UA	A2D	Selenium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW17	UA	A2DR	Selenium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW17	UA	A3	Selenium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW17	UA	A3R	Selenium, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW17	UA	A3D	Selenium, total	mg/L	02/23/21 - 07/09/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW17	UA	A3DR	Selenium, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
APW17	UA	A2D	Thallium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW17	UA	A2DR	Thallium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW17	UA	A3	Thallium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW17	UA	A3R	Thallium, total	mg/L	02/23/21 - 04/04/24	14	100	All ND - Last	0.002	0.00250	Background	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW17	UA	A3D	Thallium, total	mg/L	02/23/21 - 07/09/24	15	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW17	UA	A3DR	Thallium, total	mg/L	02/23/21 - 10/02/24	16	100	All ND - Last	0.002	0.00250	Background	No Exceedance
APW18	UA	A2D	Antimony, total	mg/L	02/23/21 - 07/25/23	11	90	CI around median	0.00300	0.006	MCL/HBL	No Exceedance
APW18	UA	A2DR	Antimony, total	mg/L	02/23/21 - 10/10/23	12	91	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
APW18	UA	A3	Antimony, total	mg/L	02/23/21 - 01/16/24	13	92	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
APW18	UA	A3R	Antimony, total	mg/L	02/23/21 - 04/04/24	14	92	CB around T-S line	0.000488	0.006	MCL/HBL	No Exceedance
APW18	UA	A3D	Antimony, total	mg/L	02/23/21 - 07/09/24	15	93	CB around T-S line	0.000296	0.006	MCL/HBL	No Exceedance
APW18	UA	A3DR	Antimony, total	mg/L	02/23/21 - 10/02/24	16	93	CB around T-S line	0.000223	0.006	MCL/HBL	No Exceedance
APW18	UA	A2D	Arsenic, total	mg/L	02/23/21 - 07/25/23	11	9	CI around mean	0.00154	0.0274	Background	No Exceedance
APW18	UA	A2DR	Arsenic, total	mg/L	02/23/21 - 10/10/23	12	8	CI around mean	0.00165	0.0274	Background	No Exceedance
APW18	UA	A3	Arsenic, total	mg/L	02/23/21 - 01/16/24	13	7	CI around mean	0.00176	0.0274	Background	No Exceedance
APW18	UA	A3R	Arsenic, total	mg/L	02/23/21 - 04/04/24	14	7	CI around mean	0.00177	0.0274	Background	No Exceedance
APW18	UA	A3D	Arsenic, total	mg/L	02/23/21 - 07/09/24	15	6	CI around mean	0.00181	0.0274	Background	No Exceedance
APW18	UA	A3DR	Arsenic, total	mg/L	02/23/21 - 10/02/24	16	6	CI around mean	0.00179	0.0274	Background	No Exceedance
APW18	UA	A2D	Barium, total	mg/L	02/23/21 - 07/25/23	11	0	CI around median	0.330	2.0	MCL/HBL	No Exceedance
APW18	UA	A2DR	Barium, total	mg/L	02/23/21 - 10/10/23	12	0	CI around median	0.330	2.0	MCL/HBL	No Exceedance
APW18	UA	A3	Barium, total	mg/L	02/23/21 - 01/16/24	13	0	CB around linear reg	0.338	2.0	MCL/HBL	No Exceedance
APW18	UA	A3R	Barium, total	mg/L	02/23/21 - 04/04/24	14	0	CB around linear reg	0.331	2.0	MCL/HBL	No Exceedance
APW18	UA	A3D	Barium, total	mg/L	02/23/21 - 07/09/24	15	0	CB around linear reg	0.351	2.0	MCL/HBL	No Exceedance
APW18	UA	A3DR	Barium, total	mg/L	02/23/21 - 10/02/24	16	0	CB around linear reg	0.345	2.0	MCL/HBL	No Exceedance
APW18	UA	A2D	Beryllium, total	mg/L	02/23/21 - 07/25/23	11	90	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
APW18	UA	A2DR	Beryllium, total	mg/L	02/23/21 - 10/10/23	12	91	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
APW18	UA	A3	Beryllium, total	mg/L	02/23/21 - 01/16/24	13	92	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
APW18	UA	A3R	Beryllium, total	mg/L	02/23/21 - 04/04/24	14	92	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
APW18	UA	A3D	Beryllium, total	mg/L	02/23/21 - 07/09/24	15	93	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
APW18	UA	A3DR	Beryllium, total	mg/L	02/23/21 - 10/02/24	16	93	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
APW18	UA	A2D	Cadmium, total	mg/L	02/23/21 - 07/25/23	11	90	CI around median	0.00100	0.005	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW18	UA	A2DR	Cadmium, total	mg/L	02/23/21 - 10/10/23	12	91	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW18	UA	A3	Cadmium, total	mg/L	02/23/21 - 01/16/24	13	92	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW18	UA	A3R	Cadmium, total	mg/L	02/23/21 - 04/04/24	14	92	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW18	UA	A3D	Cadmium, total	mg/L	02/23/21 - 07/09/24	15	93	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW18	UA	A3DR	Cadmium, total	mg/L	02/23/21 - 10/02/24	16	93	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
APW18	UA	A2D	Chromium, total	mg/L	02/23/21 - 07/25/23	11	72	CB around T-S line	-0.0376	0.1	MCL/HBL	No Exceedance
APW18	UA	A2DR	Chromium, total	mg/L	02/23/21 - 10/10/23	12	75	CB around T-S line	-0.0230	0.1	MCL/HBL	No Exceedance
APW18	UA	A3	Chromium, total	mg/L	02/23/21 - 01/16/24	13	69	CB around T-S line	-0.0156	0.1	MCL/HBL	No Exceedance
APW18	UA	A3R	Chromium, total	mg/L	02/23/21 - 04/04/24	14	71	CB around T-S line	-0.0182	0.1	MCL/HBL	No Exceedance
APW18	UA	A3D	Chromium, total	mg/L	02/23/21 - 07/09/24	15	73	CB around T-S line	-0.00730	0.1	MCL/HBL	No Exceedance
APW18	UA	A3DR	Chromium, total	mg/L	02/23/21 - 10/02/24	16	75	CB around T-S line	-0.00297	0.1	MCL/HBL	No Exceedance
APW18	UA	A2D	Cobalt, total	mg/L	02/23/21 - 07/25/23	11	72	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
APW18	UA	A2DR	Cobalt, total	mg/L	02/23/21 - 10/10/23	12	75	CB around T-S line	-0.00108	0.006	MCL/HBL	No Exceedance
APW18	UA	A3	Cobalt, total	mg/L	02/23/21 - 01/16/24	13	76	CB around T-S line	-0.000578	0.006	MCL/HBL	No Exceedance
APW18	UA	A3R	Cobalt, total	mg/L	02/23/21 - 04/04/24	14	78	CB around T-S line	-0.00107	0.006	MCL/HBL	No Exceedance
APW18	UA	A3D	Cobalt, total	mg/L	02/23/21 - 07/09/24	15	80	CB around T-S line	-0.000721	0.006	MCL/HBL	No Exceedance
APW18	UA	A3DR	Cobalt, total	mg/L	02/23/21 - 10/02/24	16	81	CB around T-S line	-0.000258	0.006	MCL/HBL	No Exceedance
APW18	UA	A2D	Fluoride, total	mg/L	02/23/21 - 07/25/23	11	0	CI around geomean	0.663	4.0	MCL/HBL	No Exceedance
APW18	UA	A2DR	Fluoride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around median	0.518	4.0	MCL/HBL	No Exceedance
APW18	UA	A3	Fluoride, total	mg/L	02/23/21 - 01/16/24	13	0	CI around median	0.540	4.0	MCL/HBL	No Exceedance
APW18	UA	A3R	Fluoride, total	mg/L	02/23/21 - 04/04/24	14	0	CI around median	0.540	4.0	MCL/HBL	No Exceedance
APW18	UA	A3D	Fluoride, total	mg/L	02/23/21 - 07/09/24	15	0	CI around median	0.540	4.0	MCL/HBL	No Exceedance
APW18	UA	A3DR	Fluoride, total	mg/L	02/23/21 - 10/02/24	16	6	CB around linear reg	-3.09	4.0	MCL/HBL	No Exceedance
APW18	UA	A2D	Lead, total	mg/L	02/23/21 - 07/25/23	11	54	CB around T-S line	-0.0485	0.015	MCL/HBL	No Exceedance
APW18	UA	A2DR	Lead, total	mg/L	02/23/21 - 10/10/23	12	50	CI around geomean	0.00107	0.015	MCL/HBL	No Exceedance
APW18	UA	A3	Lead, total	mg/L	02/23/21 - 01/16/24	13	53	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
APW18	UA	A3R	Lead, total	mg/L	02/23/21 - 04/04/24	14	57	CB around T-S line	-0.0282	0.015	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW18	UA	A3D	Lead, total	mg/L	02/23/21 - 07/09/24	15	60	CB around T-S line	-0.0317	0.015	MCL/HBL	No Exceedance
APW18	UA	A3DR	Lead, total	mg/L	02/23/21 - 10/02/24	16	62	CB around T-S line	-0.00782	0.015	MCL/HBL	No Exceedance
APW18	UA	A2D	Lithium, total	mg/L	02/23/21 - 07/25/23	11	90	CI around median	0.0200	0.04	MCL/HBL	No Exceedance
APW18	UA	A2DR	Lithium, total	mg/L	02/23/21 - 10/10/23	12	83	CI around median	0.00520	0.04	MCL/HBL	No Exceedance
APW18	UA	A3	Lithium, total	mg/L	02/23/21 - 01/16/24	13	76	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
APW18	UA	A3R	Lithium, total	mg/L	02/23/21 - 04/04/24	14	71	CB around T-S line	0.00581	0.04	MCL/HBL	No Exceedance
APW18	UA	A3D	Lithium, total	mg/L	02/23/21 - 07/09/24	15	66	CB around T-S line	0.00473	0.04	MCL/HBL	No Exceedance
APW18	UA	A3DR	Lithium, total	mg/L	02/23/21 - 10/02/24	16	62	CB around T-S line	0.00194	0.04	MCL/HBL	No Exceedance
APW18	UA	A2D	Mercury, total	mg/L	02/23/21 - 07/25/23	11	90	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW18	UA	A2DR	Mercury, total	mg/L	02/23/21 - 10/10/23	12	91	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW18	UA	A3	Mercury, total	mg/L	02/23/21 - 01/16/24	13	92	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW18	UA	A3R	Mercury, total	mg/L	02/23/21 - 04/04/24	14	92	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW18	UA	A3D	Mercury, total	mg/L	02/23/21 - 07/09/24	15	93	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW18	UA	A3DR	Mercury, total	mg/L	02/23/21 - 10/02/24	16	93	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
APW18	UA	A2D	Molybdenum, total	mg/L	02/23/21 - 07/25/23	10	0	CB around linear reg	-0.0188	0.1	MCL/HBL	No Exceedance
APW18	UA	A2DR	Molybdenum, total	mg/L	02/23/21 - 10/10/23	11	0	CB around linear reg	-0.0139	0.1	MCL/HBL	No Exceedance
APW18	UA	A3	Molybdenum, total	mg/L	02/23/21 - 01/16/24	12	0	CB around linear reg	-0.0114	0.1	MCL/HBL	No Exceedance
APW18	UA	A3R	Molybdenum, total	mg/L	02/23/21 - 04/04/24	13	0	CB around T-S line	-0.140	0.1	MCL/HBL	No Exceedance
APW18	UA	A3D	Molybdenum, total	mg/L	02/23/21 - 07/09/24	14	0	CB around T-S line	-0.0735	0.1	MCL/HBL	No Exceedance
APW18	UA	A3DR	Molybdenum, total	mg/L	02/23/21 - 10/02/24	15	0	CB around T-S line	-0.0875	0.1	MCL/HBL	No Exceedance
APW18	UA	A2D	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 07/25/23	10	0	CI around mean	1.47	5	MCL/HBL	No Exceedance
APW18	UA	A2DR	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/10/23	11	0	CI around mean	1.43	5	MCL/HBL	No Exceedance
APW18	UA	A3	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/16/24	12	0	CI around mean	1.47	5	MCL/HBL	No Exceedance
APW18	UA	A3R	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 04/04/24	13	0	CI around mean	1.48	5	MCL/HBL	No Exceedance
APW18	UA	A3D	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 07/09/24	14	0	CI around mean	1.43	5	MCL/HBL	No Exceedance
APW18	UA	A3DR	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/02/24	15	0	CI around mean	1.43	5	MCL/HBL	No Exceedance
APW18	UA	A2D	Selenium, total	mg/L	02/23/21 - 07/25/23	11	90	CI around median	0.00100	0.05	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW18	UA	A2DR	Selenium, total	mg/L	02/23/21 - 10/10/23	12	91	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW18	UA	A3	Selenium, total	mg/L	02/23/21 - 01/16/24	13	92	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW18	UA	A3R	Selenium, total	mg/L	02/23/21 - 04/04/24	14	92	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW18	UA	A3D	Selenium, total	mg/L	02/23/21 - 07/09/24	15	93	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW18	UA	A3DR	Selenium, total	mg/L	02/23/21 - 10/02/24	16	93	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
APW18	UA	A2D	Thallium, total	mg/L	02/23/21 - 07/25/23	11	81	CI around median	0.00100	0.00250	Background	No Exceedance
APW18	UA	A2DR	Thallium, total	mg/L	02/23/21 - 10/10/23	12	83	CI around median	0.00100	0.00250	Background	No Exceedance
APW18	UA	A3	Thallium, total	mg/L	02/23/21 - 01/16/24	13	84	CI around median	0.00100	0.00250	Background	No Exceedance
APW18	UA	A3R	Thallium, total	mg/L	02/23/21 - 04/04/24	14	85	CI around median	0.00100	0.00250	Background	No Exceedance
APW18	UA	A3D	Thallium, total	mg/L	02/23/21 - 07/09/24	15	86	CI around median	0.00100	0.00250	Background	No Exceedance
APW18	UA	A3DR	Thallium, total	mg/L	02/23/21 - 10/02/24	16	87	CI around median	0.00100	0.00250	Background	No Exceedance

Notes:
Event IDs:
A2D = Quarter 3, 2023 Assessment Monitoring sampling event
A2DR = Quarter 4, 2023 Assessment Monitoring resampling event
A3 = Quarter 1, 2024 Assessment Monitoring sampling event
A3R = Quarter 2, 2024 Assessment Monitoring resampling event
A3D = Quarter 3, 2024 Assessment Monitoring sampling event
A3DR = Quarter 4, 2024 Assessment Monitoring resampling event
HSU = hydrostratigraphic unit:
UA = Uppermost Aquifer
UD = Upper Drift
ID = identification
ND = non-detect
mg/L = milligrams per liter
pCi/L = picocuries per liter
Statistically Significant Level (SSL) Type:
No Exceedance: No exceedance of the GWPS.
Exceedance Not Confirmed: An exceedance was determined in the parent event, a resample was collected, and the resample did not confirm the exceedance; or an exceedance was not determined in the parent event but a subsequent sample collected exhibited a concentration higher than background.
Reported: An exceedance in the parent event was observed and reported.
Confirmed: A resample confirmed an observed exceedance in the parent event.
GWPS = Groundwater Protection Standard
GWPS Source:
Background = background concentration
MCL/HBL = maximum contaminant level/health-based level
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown.
CB around linear reg = Confidence band around linear regression
CB around T-S line = Confidence band around Thiel-Sen line

CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = Confidence interval around the median
Most recent sample = Result for the most recently collected sample used due to insufficient data.
Statistical Result = calculated in accordance with Statistical Analysis Plan using constituent concentrations observed at monitoring well during all sampling events within the specified date range

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FIGURES

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

0 500 1,000
Feet

MONITORING WELL LOCATION MAP

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT PRIMARY ASH POND

NEWTON POWER PLANT
NEWTON, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\222285\MXD\845_Operating_Permit\Newton\CMP\Figure 2-1_Proposed Monitoring Well Network.mxd

PROJECT: 169000XXXX | DATED: 10/20/2021 | DESIGNER: STOLZSD

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- STAFF GAGE, CCR UNIT
- STAFF GAGE, RIVER
- LEACHATE WELL
- GROUNDWATER ELEVATION CONTOUR (5-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE

NOTES:
1.ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATIONS IN BRACKETS WERE OBTAINED OUTSIDE OF THE 24 HOUR PERIOD FROM INITIATION OF DEPTH TO GROUNDWATER MEASUREMENTS BUT WITHIN THE SAME SAMPLING EVENT.
3. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

0 400 800
Feet

POTENTIOMETRIC SURFACE MAP JANUARY 15, 2024

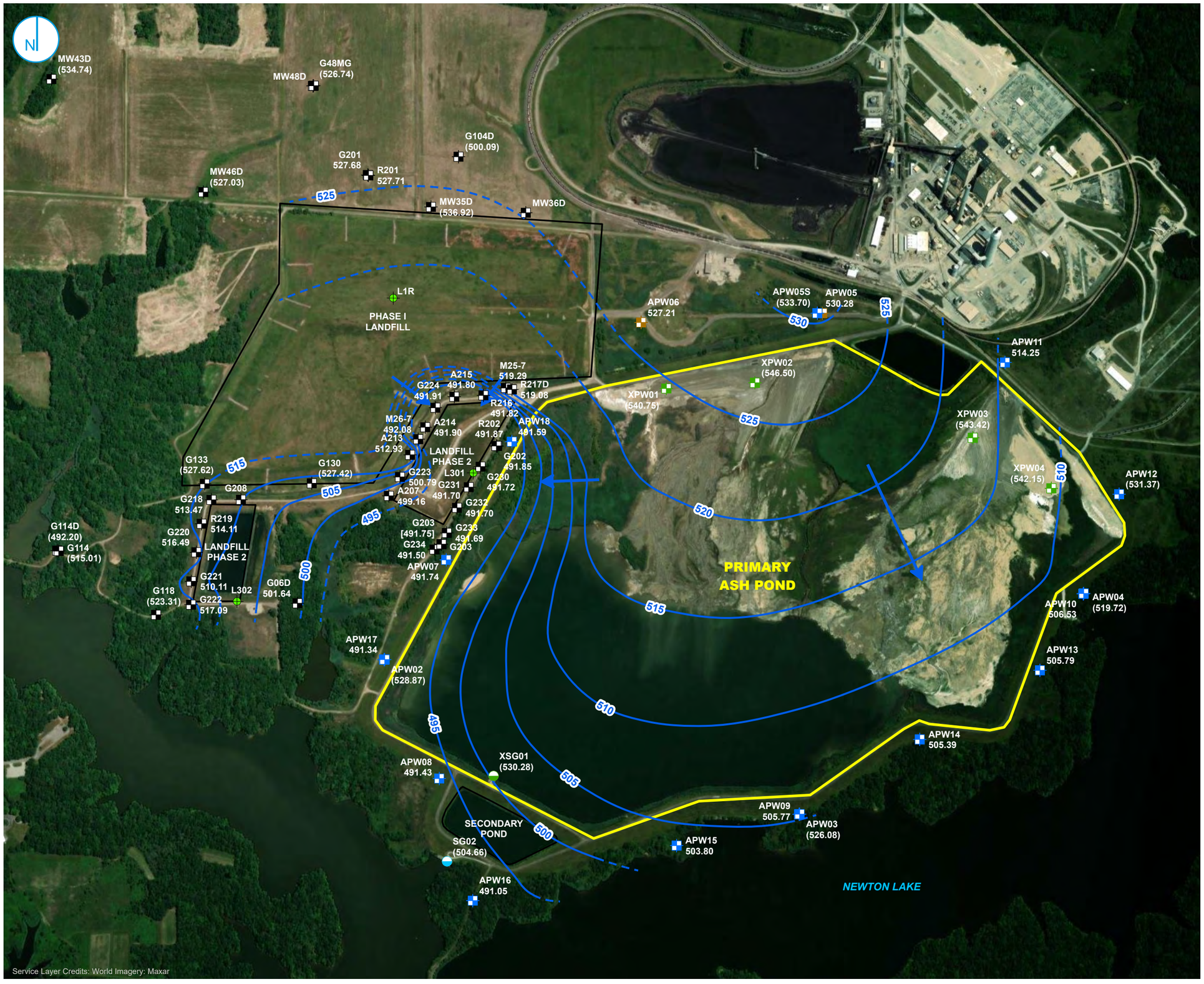
2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
PRIMARY ASH POND
NEWTON POWER PLANT
NEWTON, ILLINOIS

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 1690000XXXX | DATED: 7/31/2024 | DESIGNER: GALARNMC
Y:\Mapping\Projects\220285\MXD\GW_Contours\Round_2024\Newton\PAP_501\PAP_501.aprx\NEW 501 PAP Pot Surface 20240115



- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- STAFF GAGE, CCR UNIT
- STAFF GAGE, LAKE
- LEACHATE WELL
- GROUNDWATER ELEVATION CONTOUR (5-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE

NOTES:
1.ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATIONS IN BRACKETS WERE OBTAINED OUTSIDE OF THE 24 HOUR PERIOD FROM INITIATION OF DEPTH TO GROUNDWATER MEASUREMENTS BUT WITHIN THE SAME SAMPLING EVENT.
3. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

0 400 800
Feet

POTENTIOMETRIC SURFACE MAP APRIL 1, 2024

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

FIGURE 3

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 7/22/2024 | DESIGNER: GALARNMC

Y:\Mapping\Projects\220285\MXD\GW_Contours\Round_2024\Newton\PAP_501\PAP_501.aprx\NEW 501 PAP Pot Surface 20240401

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- STAFF GAGE, CCR UNIT
- STAFF GAGE, RIVER
- LEACHATE WELL
- GROUNDWATER ELEVATION CONTOUR (5-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE

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

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP JULY 1, 2024

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

FIGURE 4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\222285\MXD\GW_Contours\Round_2024\Newton\PAP_501\PAP_501 aprx\NEW 501 PAP Pot Surface 20240701

PROJECT: 169000XXXX | DATED: 10/21/2024 | DESIGNER: GALARNMC

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- STAFF GAGE, CCR UNIT
- STAFF GAGE, LAKE
- LEACHATE WELL
- CLOSED POREWATER WELL
- GROUNDWATER ELEVATION CONTOUR (5-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE

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

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP OCTOBER 1 AND 2, 2024

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

FIGURE 5

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\2202885\MXD\GW_Contours\Round_2024\Newton\PAP_501\PAP_501.aprx\NEW 501 PAP Pot Surface 20241001

PROJECT: 169000XXXX | DATED: 11/21/2024 | DESIGNER: PWYSIATKO

APPENDICES

APPENDIX A
LABORATORY REPORTS AND FIELD DATA SHEETS

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

February 20, 2024

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

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

RE: NEW-24Q1 **WorkOrder:** 24010247

Dear Eric Bauer:

TEKLAB, INC received 29 samples for NEW_257_501 on 1/26/2024 1:00:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Definitions

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: NEW-24Q1

Work Order: 24010247
Report Date: 20-Feb-24

Cooler Receipt Temp: 5.1 °C

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

Date/times of collection for depth, only, wells are per SAR depth forms. EAH 1/29/24

Per Eric Bauer's request, only NEW_257_501 data is included in this report. EAH 2/20/24

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-005 **Client Sample ID:** APW02

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.99**	ft	1	01/18/2024 13:35	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**22**	NTU	1	01/18/2024 13:35	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**67**	mV	1	01/18/2024 13:35	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3220**	µS/cm	1	01/18/2024 13:35	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**8.6**	°C	1	01/18/2024 13:35	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.71**	mg/L	1	01/18/2024 13:35	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.59**		1	01/18/2024 13:35	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**614**	mg/L	1	01/19/2024 15:36	R342036
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/19/2024 15:36	R342036
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**5310**	mg/L	2.5	01/23/2024 11:03	R342154
SW-846 9036 (TOTAL)									
Sulfate	NELAP	614	1000		**3120**	mg/L	100	01/23/2024 13:24	R342116
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.22**	mg/L	1	01/22/2024 9:34	R342042
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**122**	mg/L	5	01/23/2024 13:19	R342118
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**476**	mg/L	1	01/24/2024 9:17	217595
Magnesium	NELAP	0.006	0.050		**442**	mg/L	1	01/24/2024 9:17	217595
Potassium	NELAP	0.040	0.100		**7.00**	mg/L	1	01/24/2024 9:17	217595
Sodium	NELAP	0.018	0.050		**421**	mg/L	1	01/24/2024 9:17	217595
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.8**	µg/L	5	01/30/2024 23:14	217595
Arsenic	NELAP	0.4	1.0	J	**0.7**	µg/L	5	01/24/2024 20:12	217595
Barium	NELAP	0.7	1.0		**12.2**	µg/L	5	01/30/2024 23:14	217595
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 20:12	217595
Boron	NELAP	9.2	25.0		**132**	µg/L	5	01/24/2024 20:12	217595
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 20:12	217595
Chromium	NELAP	1.0	1.5		**1.6**	µg/L	5	01/29/2024 19:42	217595
Cobalt	NELAP	0.1	1.0	J	**0.4**	µg/L	5	01/31/2024 19:06	217595
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/24/2024 20:12	217595
Lithium	*	1.4	3.0		**122**	µg/L	5	01/24/2024 20:12	217595
Molybdenum	NELAP	0.6	1.5		**2.3**	µg/L	5	01/30/2024 23:14	217595
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/24/2024 20:12	217595
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/29/2024 19:42	217595

Laboratory Results

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

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24
Lab ID: 24010247-005
Client Sample ID: APW02
Matrix: GROUNDWATER
Collection Date: 01/18/2024 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/23/2024 8:04	217610

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-006 **Client Sample ID:** APW03

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.65**	ft	1	01/23/2024 13:04	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**15**	NTU	1	01/23/2024 13:04	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**31**	mV	1	01/23/2024 13:04	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**814**	µS/cm	1	01/23/2024 13:04	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**9.1**	°C	1	01/23/2024 13:04	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.82**	mg/L	1	01/23/2024 13:04	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.83**		1	01/23/2024 13:04	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**481**	mg/L	1	01/24/2024 11:02	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:02	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**636**	mg/L	1	01/24/2024 10:22	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**121**	mg/L	10	01/24/2024 13:12	R342183
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.19**	mg/L	1	01/24/2024 13:10	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**10**	mg/L	1	01/24/2024 13:08	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**99.6**	mg/L	1	01/25/2024 11:44	217740
Magnesium	NELAP	0.006	0.050		**55.5**	mg/L	1	01/25/2024 11:44	217740
Potassium	NELAP	0.040	0.100		**0.561**	mg/L	1	01/25/2024 11:44	217740
Sodium	NELAP	0.018	0.050		**61.2**	mg/L	1	01/25/2024 11:44	217740
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**2.3**	µg/L	5	01/31/2024 5:39	217740
Arsenic	NELAP	0.4	1.0	J	**0.8**	µg/L	5	01/31/2024 5:39	217740
Barium	NELAP	0.7	1.0		**98.1**	µg/L	5	01/31/2024 5:39	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:19	217740
Boron	NELAP	9.2	25.0		**385**	µg/L	5	01/31/2024 23:19	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 5:39	217740
Chromium	NELAP	0.9	1.5		**3.8**	µg/L	5	01/31/2024 5:39	217740
Cobalt	NELAP	0.1	1.0	J	**0.6**	µg/L	5	01/31/2024 23:19	217740
Lead	NELAP	0.6	1.0	J	**0.8**	µg/L	5	01/31/2024 5:39	217740
Lithium	*	1.4	3.0		**10.8**	µg/L	5	01/31/2024 23:19	217740
Molybdenum	NELAP	1.3	1.5		**1.8**	µg/L	5	01/31/2024 5:39	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 5:39	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/31/2024 5:39	217740

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-006 **Client Sample ID:** APW03

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/24/2024 14:40	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-007 **Client Sample ID:** APW04

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 13:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.91**	ft	1	01/23/2024 13:52	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**27**	NTU	1	01/23/2024 13:52	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**89**	mV	1	01/23/2024 13:52	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1590**	µS/cm	1	01/23/2024 13:52	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**8.3**	°C	1	01/23/2024 13:52	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.08**	mg/L	1	01/23/2024 13:52	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.76**		1	01/23/2024 13:52	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**419**	mg/L	1	01/24/2024 11:08	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:08	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1060**	mg/L	1	01/24/2024 10:22	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**543**	mg/L	50	01/24/2024 13:21	R342183
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.29**	mg/L	1	01/24/2024 13:12	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**44**	mg/L	1	01/24/2024 13:16	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**152**	mg/L	1	01/25/2024 11:46	217740
Magnesium	NELAP	0.006	0.050		**70.6**	mg/L	1	01/25/2024 11:46	217740
Potassium	NELAP	0.040	0.100		**1.80**	mg/L	1	01/25/2024 11:46	217740
Sodium	NELAP	0.018	0.050		**120**	mg/L	1	01/25/2024 11:46	217740
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/31/2024 5:45	217740
Arsenic	NELAP	0.4	1.0		**8.5**	µg/L	5	01/31/2024 5:45	217740
Barium	NELAP	0.7	1.0		**29.6**	µg/L	5	01/31/2024 5:45	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:25	217740
Boron	NELAP	9.2	25.0		**76.4**	µg/L	5	01/31/2024 23:25	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 5:45	217740
Chromium	NELAP	0.9	1.5	J	**1.1**	µg/L	5	01/31/2024 5:45	217740
Cobalt	NELAP	0.1	1.0	J	**1.0**	µg/L	5	01/31/2024 23:25	217740
Lead	NELAP	0.6	1.0	J	**0.7**	µg/L	5	01/31/2024 5:45	217740
Lithium	*	1.4	3.0		**22.1**	µg/L	5	01/31/2024 23:25	217740
Molybdenum	NELAP	1.3	1.5		**7.5**	µg/L	5	01/31/2024 5:45	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 5:45	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/31/2024 5:45	217740

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-007 **Client Sample ID:** APW04

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 13:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/24/2024 14:43	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-008 **Client Sample ID:** APW05

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 12:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**14.29**	ft	1	01/16/2024 12:22	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**300**	NTU	1	01/16/2024 12:22	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**74**	mV	1	01/16/2024 12:22	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**910**	µS/cm	1	01/16/2024 12:22	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**7.1**	°C	1	01/16/2024 12:22	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.13**	mg/L	1	01/16/2024 12:22	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.36**		1	01/16/2024 12:22	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**494**	mg/L	1	01/17/2024 14:21	R341909
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/17/2024 14:21	R341909
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**485**	mg/L	2.5	01/18/2024 9:39	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	**7**	mg/L	1	01/18/2024 15:21	R341983
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.50**	mg/L	1	01/18/2024 11:56	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**45**	mg/L	1	01/18/2024 15:21	R341985
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**72.2**	mg/L	1	01/18/2024 11:32	217484
Magnesium	NELAP	0.006	0.050		**32.1**	mg/L	1	01/18/2024 11:32	217484
Potassium	NELAP	0.040	0.100		**2.64**	mg/L	1	01/18/2024 11:32	217484
Sodium	NELAP	0.018	0.050		**126**	mg/L	1	01/18/2024 11:32	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.7**	µg/L	5	01/23/2024 15:02	217484
Arsenic	NELAP	0.4	1.0		**44.6**	µg/L	5	01/23/2024 15:02	217484
Barium	NELAP	0.7	1.0		**463**	µg/L	5	01/23/2024 15:02	217484
Beryllium	NELAP	0.2	1.0	J	**0.9**	µg/L	5	01/23/2024 15:02	217484
Boron	NELAP	9.2	25.0		**715**	µg/L	5	01/23/2024 15:02	217484
Cadmium	NELAP	0.2	1.0	J	**0.2**	µg/L	5	01/23/2024 15:02	217484
Chromium	NELAP	0.7	1.5		**29.2**	µg/L	5	01/23/2024 15:02	217484
Cobalt	NELAP	0.1	1.0		**12.5**	µg/L	5	01/23/2024 15:02	217484
Lead	NELAP	0.6	1.0		**16.9**	µg/L	5	01/23/2024 15:02	217484
Lithium	*	1.4	3.0		**27.0**	µg/L	5	01/23/2024 15:02	217484
Molybdenum	NELAP	0.6	1.5		**10.9**	µg/L	5	01/31/2024 0:52	217484
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 15:02	217484
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 15:02	217484

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-008 **Client Sample ID:** APW05

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 12:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/18/2024 10:48	217502

Laboratory Results

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

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-009 **Client Sample ID:** APW05S

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 9:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**12.03**	ft	1	01/23/2024 9:24	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**16**	NTU	1	01/23/2024 9:24	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**140**	mV	1	01/23/2024 9:24	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2570**	µS/cm	1	01/23/2024 9:24	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**9.1**	°C	1	01/23/2024 9:24	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.23**	mg/L	1	01/23/2024 9:24	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.70**		1	01/23/2024 9:24	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**548**	mg/L	1	01/24/2024 11:13	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:13	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2920**	mg/L	1	01/24/2024 10:23	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**1690**	mg/L	50	01/24/2024 13:44	R342183
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	01/24/2024 13:14	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**155**	mg/L	5	01/24/2024 13:39	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**383**	mg/L	1	01/25/2024 11:48	217740
Magnesium	NELAP	0.006	0.050		**290**	mg/L	1	01/25/2024 11:48	217740
Potassium	NELAP	0.040	0.100		**2.36**	mg/L	1	01/25/2024 11:48	217740
Sodium	NELAP	0.018	0.050		**253**	mg/L	1	01/25/2024 11:48	217740
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/31/2024 6:28	217740
Arsenic	NELAP	0.4	1.0	J	**0.8**	µg/L	5	01/31/2024 6:28	217740
Barium	NELAP	0.7	1.0		**29.6**	µg/L	5	01/31/2024 6:28	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:31	217740
Boron	NELAP	9.2	25.0		**41.1**	µg/L	5	01/31/2024 23:31	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 6:28	217740
Chromium	NELAP	0.7	1.5		**2.0**	µg/L	5	01/31/2024 23:31	217740
Cobalt	NELAP	0.1	1.0	J	**1.0**	µg/L	5	01/31/2024 23:31	217740
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:28	217740
Lithium	*	1.4	3.0		**36.6**	µg/L	5	01/31/2024 23:31	217740
Molybdenum	NELAP	1.3	1.5		**< 1.5**	µg/L	5	01/31/2024 6:28	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:28	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/31/2024 6:28	217740

Laboratory Results

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

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-009 **Client Sample ID:** APW05S

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 9:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/24/2024 14:45	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-010 **Client Sample ID:** APW06

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 10:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**19.55**	ft	1	01/23/2024 10:04	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**41**	NTU	1	01/23/2024 10:04	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**17**	mV	1	01/23/2024 10:04	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**784**	µS/cm	1	01/23/2024 10:04	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.0**	°C	1	01/23/2024 10:04	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.95**	mg/L	1	01/23/2024 10:04	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.55**		1	01/23/2024 10:04	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**462**	mg/L	1	01/24/2024 11:19	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:19	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**508**	mg/L	1	01/24/2024 10:42	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	**9**	mg/L	1	01/24/2024 13:47	R342183
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.47**	mg/L	1	01/24/2024 13:16	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**24**	mg/L	1	01/24/2024 13:48	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**58.1**	mg/L	1	01/25/2024 11:49	217740
Magnesium	NELAP	0.006	0.050		**26.1**	mg/L	1	01/25/2024 11:49	217740
Potassium	NELAP	0.040	0.100		**1.43**	mg/L	1	01/25/2024 11:49	217740
Sodium	NELAP	0.018	0.050		**111**	mg/L	1	01/25/2024 11:49	217740
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/31/2024 6:33	217740
Arsenic	NELAP	0.4	1.0		**8.5**	µg/L	5	01/31/2024 6:33	217740
Barium	NELAP	0.7	1.0		**241**	µg/L	5	01/31/2024 6:33	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:36	217740
Boron	NELAP	9.2	25.0		**78.8**	µg/L	5	01/31/2024 23:36	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 6:33	217740
Chromium	NELAP	0.7	1.5		**2.4**	µg/L	5	01/31/2024 23:36	217740
Cobalt	NELAP	0.1	1.0	J	**0.4**	µg/L	5	01/31/2024 23:36	217740
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:33	217740
Lithium	*	1.4	3.0		**11.3**	µg/L	5	01/31/2024 23:36	217740
Molybdenum	NELAP	1.3	1.5		**9.9**	µg/L	5	01/31/2024 6:33	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:33	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/31/2024 6:33	217740

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-010 **Client Sample ID:** APW06

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 10:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/24/2024 14:48	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-011 **Client Sample ID:** APW07

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 11:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**47.72**	ft	1	01/23/2024 11:29	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**18**	NTU	1	01/23/2024 11:29	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**81**	mV	1	01/23/2024 11:29	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**781**	µS/cm	1	01/23/2024 11:29	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.5**	°C	1	01/23/2024 11:29	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.13**	mg/L	1	01/23/2024 11:29	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.01**		1	01/23/2024 11:29	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**388**	mg/L	1	01/24/2024 11:25	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:25	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**540**	mg/L	1	01/24/2024 10:42	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**32**	mg/L	1	01/24/2024 13:50	R342183
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.44**	mg/L	1	01/24/2024 13:18	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**70**	mg/L	5	01/24/2024 13:55	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	**85.8**	mg/L	1	01/25/2024 11:51	217740
Magnesium	NELAP	0.006	0.050		**34.0**	mg/L	1	01/25/2024 11:51	217740
Potassium	NELAP	0.040	0.100		**2.72**	mg/L	1	01/25/2024 11:51	217740
Sodium	NELAP	0.018	0.050	S	**85.8**	mg/L	1	01/25/2024 11:51	217740
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.9**	µg/L	5	01/31/2024 23:53	217740
Arsenic	NELAP	0.4	1.0		**1.8**	µg/L	5	01/31/2024 23:53	217740
Barium	NELAP	0.7	1.0		**318**	µg/L	5	01/31/2024 23:53	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:53	217740
Boron	NELAP	9.2	25.0		**89.1**	µg/L	5	01/31/2024 23:53	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:53	217740
Chromium	NELAP	0.7	1.5		**3.1**	µg/L	5	01/31/2024 23:53	217740
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	01/31/2024 23:53	217740
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 23:53	217740
Lithium	*	1.4	3.0		**4.2**	µg/L	5	01/31/2024 23:53	217740
Molybdenum	NELAP	0.6	1.5		**10.1**	µg/L	5	02/05/2024 13:21	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 23:53	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/01/2024 18:42	217740

Laboratory Results

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

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-011 **Client Sample ID:** APW07

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 11:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/24/2024 14:54	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-012 **Client Sample ID:** APW08

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**38.44**	ft	1	01/18/2024 11:21	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**200**	NTU	1	01/18/2024 11:21	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-34**	mV	1	01/18/2024 11:21	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**812**	µS/cm	1	01/18/2024 11:21	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.9**	°C	1	01/18/2024 11:21	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.00**	mg/L	1	01/18/2024 11:21	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.14**		1	01/18/2024 11:21	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**514**	mg/L	1	01/19/2024 15:43	R342036
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/19/2024 15:43	R342036
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**585**	mg/L	2.5	01/22/2024 9:28	R342098
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**59**	mg/L	2	01/23/2024 13:29	R342116
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.49**	mg/L	1	01/22/2024 9:37	R342042
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**58**	mg/L	2	01/23/2024 13:30	R342118
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**105**	mg/L	1	01/24/2024 9:18	217595
Magnesium	NELAP	0.006	0.050		**42.7**	mg/L	1	01/24/2024 9:18	217595
Potassium	NELAP	0.040	0.100		**2.33**	mg/L	1	01/24/2024 9:18	217595
Sodium	NELAP	0.018	0.050		**85.8**	mg/L	1	01/24/2024 9:18	217595
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/30/2024 23:20	217595
Arsenic	NELAP	0.4	1.0		**24.1**	µg/L	5	01/24/2024 20:18	217595
Barium	NELAP	0.7	1.0		**522**	µg/L	5	01/30/2024 23:20	217595
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 20:18	217595
Boron	NELAP	9.2	25.0		**83.8**	µg/L	5	01/24/2024 20:18	217595
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 20:18	217595
Chromium	NELAP	1.0	1.5		**6.8**	µg/L	5	01/29/2024 19:48	217595
Cobalt	NELAP	0.1	1.0		**2.2**	µg/L	5	01/31/2024 19:12	217595
Lead	NELAP	0.6	1.0		**2.7**	µg/L	5	01/24/2024 20:18	217595
Lithium	*	1.4	3.0		**5.9**	µg/L	5	01/24/2024 20:18	217595
Molybdenum	NELAP	0.6	1.5		**6.1**	µg/L	5	01/30/2024 23:20	217595
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/24/2024 20:18	217595
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/29/2024 19:48	217595

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-012 **Client Sample ID:** APW08

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/23/2024 8:06	217610

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-013 **Client Sample ID:** APW09

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**27.73**	ft	1	01/23/2024 12:23	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**24**	NTU	1	01/23/2024 12:23	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-20**	mV	1	01/23/2024 12:23	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1210**	µS/cm	1	01/23/2024 12:23	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.5**	°C	1	01/23/2024 12:23	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.60**	mg/L	1	01/23/2024 12:23	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.41**		1	01/23/2024 12:23	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**612**	mg/L	1	01/24/2024 11:30	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:30	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**810**	mg/L	1	01/24/2024 10:43	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**11**	mg/L	1	01/24/2024 13:58	R342183
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.44**	mg/L	1	01/24/2024 13:20	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**141**	mg/L	5	01/24/2024 14:03	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**82.0**	mg/L	1	01/25/2024 12:15	217740
Magnesium	NELAP	0.006	0.050		**38.5**	mg/L	1	01/25/2024 12:15	217740
Potassium	NELAP	0.040	0.100		**1.88**	mg/L	1	01/25/2024 12:15	217740
Sodium	NELAP	0.018	0.050		**192**	mg/L	1	01/25/2024 12:15	217740
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/31/2024 6:39	217740
Arsenic	NELAP	0.4	1.0		**31.2**	µg/L	5	01/31/2024 6:39	217740
Barium	NELAP	0.7	1.0		**460**	µg/L	5	01/31/2024 6:39	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:42	217740
Boron	NELAP	9.2	25.0		**99.4**	µg/L	5	01/31/2024 23:42	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 6:39	217740
Chromium	NELAP	0.9	1.5	J	**1.2**	µg/L	5	01/31/2024 6:39	217740
Cobalt	NELAP	0.1	1.0	J	**0.7**	µg/L	5	01/31/2024 23:42	217740
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:39	217740
Lithium	*	1.4	3.0		**8.0**	µg/L	5	01/31/2024 23:42	217740
Molybdenum	NELAP	1.3	1.5		**3.8**	µg/L	5	01/31/2024 6:39	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:39	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/31/2024 6:39	217740

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-013 **Client Sample ID:** APW09

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20	J	**0.14**	µg/L	1	01/24/2024 14:57	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-014 **Client Sample ID:** APW10

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 14:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**18.87**	ft	1	01/23/2024 14:39	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.1**	NTU	1	01/23/2024 14:39	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**83**	mV	1	01/23/2024 14:39	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1280**	µS/cm	1	01/23/2024 14:39	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.0**	°C	1	01/23/2024 14:39	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.37**	mg/L	1	01/23/2024 14:39	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.13**		1	01/23/2024 14:39	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**515**	mg/L	1	01/24/2024 11:37	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:37	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1690**	mg/L	1	01/24/2024 10:43	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**785**	mg/L	50	01/25/2024 10:37	R342249
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.15**	mg/L	1	01/24/2024 13:22	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**35**	mg/L	1	01/24/2024 14:06	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**221**	mg/L	1	01/25/2024 12:16	217740
Magnesium	NELAP	0.006	0.050		**175**	mg/L	1	01/25/2024 12:16	217740
Potassium	NELAP	0.040	0.100		**1.61**	mg/L	1	01/25/2024 12:16	217740
Sodium	NELAP	0.018	0.050		**89.0**	mg/L	1	01/25/2024 12:16	217740
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**1.0**	µg/L	5	01/31/2024 6:45	217740
Arsenic	NELAP	0.4	1.0	J	**0.7**	µg/L	5	01/31/2024 6:45	217740
Barium	NELAP	0.7	1.0		**20.6**	µg/L	5	01/31/2024 6:45	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:48	217740
Boron	NELAP	9.2	25	J	**25**	µg/L	5	01/31/2024 23:48	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 6:45	217740
Chromium	NELAP	0.7	1.5		**2.4**	µg/L	5	01/31/2024 23:48	217740
Cobalt	NELAP	0.1	1.0	J	**0.3**	µg/L	5	01/31/2024 23:48	217740
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:45	217740
Lithium	*	1.4	3.0		**20.5**	µg/L	5	01/31/2024 23:48	217740
Molybdenum	NELAP	1.3	1.5		**< 1.5**	µg/L	5	01/31/2024 6:45	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:45	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/31/2024 6:45	217740

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-014 **Client Sample ID:** APW10

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 14:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/24/2024 15:04	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-015 **Client Sample ID:** APW11

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**25.51**	ft	1	01/16/2024 10:37	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**260**	NTU	1	01/16/2024 10:37	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**37**	mV	1	01/16/2024 10:37	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1260**	µS/cm	1	01/16/2024 10:37	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.7**	°C	1	01/16/2024 10:37	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.56**	mg/L	1	01/16/2024 10:37	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.92**		1	01/16/2024 10:37	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**415**	mg/L	1	01/17/2024 14:28	R341909
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/17/2024 14:28	R341909
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**740**	mg/L	2.5	01/18/2024 9:25	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**288**	mg/L	10	01/18/2024 15:53	R341983
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.33**	mg/L	1	01/18/2024 11:58	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**24**	mg/L	1	01/18/2024 15:26	R341985
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**141**	mg/L	1	01/18/2024 11:34	217484
Magnesium	NELAP	0.006	0.050		**60.2**	mg/L	1	01/18/2024 11:34	217484
Potassium	NELAP	0.040	0.100		**2.34**	mg/L	1	01/18/2024 11:34	217484
Sodium	NELAP	0.018	0.050		**88.9**	mg/L	1	01/18/2024 11:34	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/23/2024 15:08	217484
Arsenic	NELAP	0.4	1.0		**6.2**	µg/L	5	01/23/2024 15:08	217484
Barium	NELAP	0.7	1.0		**70.1**	µg/L	5	01/23/2024 15:08	217484
Beryllium	NELAP	0.2	1.0	J	**0.5**	µg/L	5	01/23/2024 15:08	217484
Boron	NELAP	9.2	25.0		**268**	µg/L	5	01/23/2024 15:08	217484
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 15:08	217484
Chromium	NELAP	0.7	1.5		**13.5**	µg/L	5	01/23/2024 15:08	217484
Cobalt	NELAP	0.1	1.0		**4.5**	µg/L	5	01/23/2024 15:08	217484
Lead	NELAP	0.6	1.0		**21.5**	µg/L	5	01/23/2024 15:08	217484
Lithium	*	1.4	3.0		**35.3**	µg/L	5	01/23/2024 15:08	217484
Molybdenum	NELAP	0.6	1.5		**4.5**	µg/L	5	01/31/2024 0:57	217484
Selenium	NELAP	0.6	1.0		**1.3**	µg/L	5	01/23/2024 15:08	217484
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 15:08	217484

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-015 **Client Sample ID:** APW11

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/18/2024 10:50	217502

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-016 **Client Sample ID:** APW12

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.13**	ft	1	01/16/2024 13:20	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.2**	NTU	1	01/16/2024 13:20	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**133**	mV	1	01/16/2024 13:20	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2000**	µS/cm	1	01/16/2024 13:20	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.9**	°C	1	01/16/2024 13:20	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.88**	mg/L	1	01/16/2024 13:20	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.43**		1	01/16/2024 13:20	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**646**	mg/L	1	01/17/2024 14:34	R341909
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/17/2024 14:34	R341909
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1670**	mg/L	1	01/18/2024 9:39	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**652**	mg/L	20	01/18/2024 16:09	R341983
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.17**	mg/L	1	01/18/2024 12:00	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**29**	mg/L	1	01/18/2024 16:04	R341985
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**270**	mg/L	1	01/18/2024 11:35	217484
Magnesium	NELAP	0.006	0.050		**127**	mg/L	1	01/18/2024 11:35	217484
Potassium	NELAP	0.040	0.100		**1.29**	mg/L	1	01/18/2024 11:35	217484
Sodium	NELAP	0.018	0.050		**135**	mg/L	1	01/18/2024 11:35	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/23/2024 15:14	217484
Arsenic	NELAP	0.4	1.0	J	**0.9**	µg/L	5	01/23/2024 15:14	217484
Barium	NELAP	0.7	1.0		**42.2**	µg/L	5	01/23/2024 15:14	217484
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 15:14	217484
Boron	NELAP	9.2	25.0		**997**	µg/L	5	01/23/2024 15:14	217484
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 15:14	217484
Chromium	NELAP	0.7	1.5	J	**1.4**	µg/L	5	01/23/2024 15:14	217484
Cobalt	NELAP	0.1	1.0	J	**0.7**	µg/L	5	01/31/2024 1:03	217484
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 15:14	217484
Lithium	*	1.4	3.0		**45.7**	µg/L	5	01/23/2024 15:14	217484
Molybdenum	NELAP	0.6	1.5	J	**0.6**	µg/L	5	01/31/2024 1:03	217484
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 15:14	217484
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 15:14	217484

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

Laboratory Results

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

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24
Lab ID: 24010247-016
Client Sample ID: APW12
Matrix: GROUNDWATER
Collection Date: 01/16/2024 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/18/2024 10:53	217502

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-017 **Client Sample ID:** APW13

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 13:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**33.81**	ft	1	01/17/2024 13:34	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**13**	NTU	1	01/17/2024 13:34	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**9**	mV	1	01/17/2024 13:34	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1390**	µS/cm	1	01/17/2024 13:34	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.8**	°C	1	01/17/2024 13:34	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.84**	mg/L	1	01/17/2024 13:34	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.06**		1	01/17/2024 13:34	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**506**	mg/L	1	01/18/2024 14:33	R341986
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/18/2024 14:33	R341986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**920**	mg/L	2.5	01/18/2024 13:56	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**259**	mg/L	10	01/19/2024 11:11	R342020
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.45**	mg/L	1	01/19/2024 10:37	R342001
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**54**	mg/L	2	01/19/2024 11:06	R342023
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**126**	mg/L	1	01/19/2024 12:20	217566
Magnesium	NELAP	0.006	0.050		**61.5**	mg/L	1	01/19/2024 12:20	217566
Potassium	NELAP	0.040	0.100		**2.00**	mg/L	1	01/19/2024 12:20	217566
Sodium	NELAP	0.018	0.050		**122**	mg/L	1	01/19/2024 12:20	217566
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/23/2024 21:21	217566
Arsenic	NELAP	0.4	1.0		**8.5**	µg/L	5	01/23/2024 21:21	217566
Barium	NELAP	0.7	1.0		**88.1**	µg/L	5	01/23/2024 21:21	217566
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:21	217566
Boron	NELAP	9.2	25.0		**96.5**	µg/L	5	01/24/2024 19:36	217566
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:21	217566
Chromium	NELAP	0.8	1.5	J	**1.0**	µg/L	5	01/29/2024 19:11	217566
Cobalt	NELAP	0.1	1.0	J	**0.4**	µg/L	5	01/23/2024 21:21	217566
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:21	217566
Lithium	*	1.4	3.0		**37.3**	µg/L	5	01/23/2024 21:21	217566
Molybdenum	NELAP	0.6	1.5		**8.1**	µg/L	5	01/30/2024 17:12	217566
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:21	217566
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 21:21	217566

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-017 **Client Sample ID:** APW13

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 13:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/19/2024 10:57	217574

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-018 **Client Sample ID:** APW14

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 14:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**22.29**	ft	1	01/17/2024 14:27	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**13**	NTU	1	01/17/2024 14:27	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-16**	mV	1	01/17/2024 14:27	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1460**	µS/cm	1	01/17/2024 14:27	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.6**	°C	1	01/17/2024 14:27	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.64**	mg/L	1	01/17/2024 14:27	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.16**		1	01/17/2024 14:27	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**467**	mg/L	1	01/18/2024 14:40	R341986
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/18/2024 14:40	R341986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1000**	mg/L	2.5	01/18/2024 13:56	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**376**	mg/L	10	01/19/2024 11:19	R342020
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	01/19/2024 10:39	R342001
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**44**	mg/L	2	01/19/2024 11:14	R342023
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**140**	mg/L	1	01/19/2024 12:21	217566
Magnesium	NELAP	0.006	0.050		**66.4**	mg/L	1	01/19/2024 12:21	217566
Potassium	NELAP	0.040	0.100		**1.80**	mg/L	1	01/19/2024 12:21	217566
Sodium	NELAP	0.018	0.050		**129**	mg/L	1	01/19/2024 12:21	217566
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/23/2024 21:27	217566
Arsenic	NELAP	0.4	1.0		**11.5**	µg/L	5	01/23/2024 21:27	217566
Barium	NELAP	0.7	1.0		**88.5**	µg/L	5	01/23/2024 21:27	217566
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:27	217566
Boron	NELAP	9.2	25.0		**84.7**	µg/L	5	01/24/2024 19:42	217566
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:27	217566
Chromium	NELAP	0.8	1.5	J	**0.8**	µg/L	5	01/29/2024 19:17	217566
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	01/23/2024 21:27	217566
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:27	217566
Lithium	*	1.4	3.0		**33.9**	µg/L	5	01/23/2024 21:27	217566
Molybdenum	NELAP	0.6	1.5		**5.3**	µg/L	5	01/30/2024 18:43	217566
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:27	217566
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 21:27	217566

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-018 **Client Sample ID:** APW14

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 14:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/19/2024 11:00	217574

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-019 **Client Sample ID:** APW15

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**21.33**	ft	1	01/18/2024 10:14	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**61**	NTU	1	01/18/2024 10:14	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-94**	mV	1	01/18/2024 10:14	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1440**	µS/cm	1	01/18/2024 10:14	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.1**	°C	1	01/18/2024 10:14	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.33**	mg/L	1	01/18/2024 10:14	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.89**		1	01/18/2024 10:14	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**742**	mg/L	1	01/19/2024 15:49	R342036
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/19/2024 15:49	R342036
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**990**	mg/L	2.5	01/22/2024 9:45	R342098
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**11**	mg/L	1	01/23/2024 13:40	R342116
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.53**	mg/L	1	01/22/2024 9:44	R342042
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**246**	mg/L	10	01/23/2024 13:46	R342118
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	**90.3**	mg/L	1	01/24/2024 9:19	217595
Magnesium	NELAP	0.006	0.050		**36.6**	mg/L	1	01/24/2024 9:19	217595
Potassium	NELAP	0.040	0.100		**3.47**	mg/L	1	01/24/2024 9:19	217595
Sodium	NELAP	0.018	0.050	S	**292**	mg/L	1	01/24/2024 9:19	217595
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/30/2024 23:48	217595
Arsenic	NELAP	0.4	1.0		**28.1**	µg/L	5	01/24/2024 21:30	217595
Barium	NELAP	0.7	1.0		**619**	µg/L	5	01/30/2024 23:48	217595
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 21:30	217595
Boron	NELAP	9.2	25.0		**126**	µg/L	5	01/24/2024 21:30	217595
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 21:30	217595
Chromium	NELAP	1.0	1.5		**5.3**	µg/L	5	01/29/2024 22:30	217595
Cobalt	NELAP	0.1	1.0		**1.7**	µg/L	5	01/31/2024 19:18	217595
Lead	NELAP	0.6	1.0		**2.3**	µg/L	5	01/24/2024 21:30	217595
Lithium	*	1.4	3.0		**7.6**	µg/L	5	01/24/2024 21:30	217595
Molybdenum	NELAP	0.6	1.5		**5.3**	µg/L	5	01/30/2024 23:48	217595
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/24/2024 21:30	217595
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/30/2024 23:48	217595

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-019 **Client Sample ID:** APW15

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/23/2024 8:09	217610

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-020 **Client Sample ID:** APW16

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 12:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**41.31**	ft	1	01/17/2024 12:06	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**11**	NTU	1	01/17/2024 12:06	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-87**	mV	1	01/17/2024 12:06	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1270**	µS/cm	1	01/17/2024 12:06	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.8**	°C	1	01/17/2024 12:06	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.57**	mg/L	1	01/17/2024 12:06	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.31**		1	01/17/2024 12:06	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**645**	mg/L	1	01/18/2024 14:46	R341986
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/18/2024 14:46	R341986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**730**	mg/L	2.5	01/18/2024 13:57	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	JS	**9**	mg/L	1	01/19/2024 11:24	R342020
Matrix spike did not recover within control limits due to matrix interference.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.79**	mg/L	1	01/19/2024 10:41	R342001
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**69**	mg/L	2	01/19/2024 11:35	R342023
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**97.2**	mg/L	1	01/19/2024 12:40	217566
Magnesium	NELAP	0.006	0.050		**41.9**	mg/L	1	01/19/2024 12:40	217566
Potassium	NELAP	0.040	0.100		**1.99**	mg/L	1	01/19/2024 12:40	217566
Sodium	NELAP	0.018	0.050		**134**	mg/L	1	01/19/2024 12:40	217566
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/23/2024 21:32	217566
Arsenic	NELAP	0.4	1.0		**22.7**	µg/L	5	01/23/2024 21:32	217566
Barium	NELAP	0.7	1.0		**557**	µg/L	5	01/23/2024 21:32	217566
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:32	217566
Boron	NELAP	9.2	25.0		**124**	µg/L	5	01/24/2024 19:48	217566
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:32	217566
Chromium	NELAP	0.8	1.5	J	**1.1**	µg/L	5	01/29/2024 19:23	217566
Cobalt	NELAP	0.1	1.0	J	**0.3**	µg/L	5	01/23/2024 21:32	217566
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:32	217566
Lithium	*	1.4	3.0		**3.3**	µg/L	5	01/23/2024 21:32	217566
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	01/30/2024 18:49	217566
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:32	217566
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 21:32	217566

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-020 **Client Sample ID:** APW16

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 12:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/19/2024 11:03	217574

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-021 **Client Sample ID:** APW17

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 10:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**42.31**	ft	1	01/17/2024 10:25	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**16**	NTU	1	01/17/2024 10:25	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-37**	mV	1	01/17/2024 10:25	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1150**	µS/cm	1	01/17/2024 10:25	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**10.3**	°C	1	01/17/2024 10:25	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.75**	mg/L	1	01/17/2024 10:25	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.30**		1	01/17/2024 10:25	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**534**	mg/L	1	01/18/2024 14:53	R341986
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/18/2024 14:53	R341986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**680**	mg/L	2.5	01/18/2024 13:57	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**60**	mg/L	2	01/19/2024 12:02	R342020
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.54**	mg/L	1	01/19/2024 10:43	R342001
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**57**	mg/L	2	01/19/2024 12:02	R342023
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**115**	mg/L	1	01/19/2024 12:42	217566
Magnesium	NELAP	0.006	0.050		**46.4**	mg/L	1	01/19/2024 12:42	217566
Potassium	NELAP	0.040	0.100		**1.81**	mg/L	1	01/19/2024 12:42	217566
Sodium	NELAP	0.018	0.050		**87.9**	mg/L	1	01/19/2024 12:42	217566
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/23/2024 21:38	217566
Arsenic	NELAP	0.4	1.0		**38.5**	µg/L	5	01/23/2024 21:38	217566
Barium	NELAP	0.7	1.0		**653**	µg/L	5	01/23/2024 21:38	217566
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:38	217566
Boron	NELAP	9.2	25.0		**84.8**	µg/L	5	01/24/2024 19:54	217566
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:38	217566
Chromium	NELAP	0.8	1.5	J	**1.0**	µg/L	5	01/29/2024 19:29	217566
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	01/23/2024 21:38	217566
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:38	217566
Lithium	*	1.4	3.0	J	**2.6**	µg/L	5	01/23/2024 21:38	217566
Molybdenum	NELAP	0.6	1.5		**4.8**	µg/L	5	01/30/2024 18:55	217566
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:38	217566
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 21:38	217566

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-021 **Client Sample ID:** APW17

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 10:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/19/2024 11:05	217574

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-022 **Client Sample ID:** APW18

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 14:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**52.91**	ft	1	01/16/2024 14:45	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**27**	NTU	1	01/16/2024 14:45	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-60**	mV	1	01/16/2024 14:45	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**968**	µS/cm	1	01/16/2024 14:45	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**10.7**	°C	1	01/16/2024 14:45	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.05**	mg/L	1	01/16/2024 14:45	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.66**		1	01/16/2024 14:45	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**507**	mg/L	1	01/17/2024 14:42	R341909
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/17/2024 14:42	R341909
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**208**	mg/L	1	01/18/2024 9:40	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**43**	mg/L	2	01/18/2024 16:38	R341983
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.54**	mg/L	1	01/18/2024 12:02	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**24**	mg/L	1	01/18/2024 16:14	R341985
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**82.5**	mg/L	1	01/18/2024 11:44	217484
Magnesium	NELAP	0.006	0.050		**39.4**	mg/L	1	01/18/2024 11:44	217484
Potassium	NELAP	0.040	0.100		**2.81**	mg/L	1	01/18/2024 11:44	217484
Sodium	NELAP	0.018	0.050		**102**	mg/L	1	01/18/2024 11:44	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/23/2024 15:19	217484
Arsenic	NELAP	0.4	1.0		**2.9**	µg/L	5	01/23/2024 15:19	217484
Barium	NELAP	0.7	1.0		**510**	µg/L	5	01/23/2024 15:19	217484
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 15:19	217484
Boron	NELAP	9.2	25.0		**235**	µg/L	5	01/23/2024 15:19	217484
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 15:19	217484
Chromium	NELAP	0.7	1.5		**2.2**	µg/L	5	01/23/2024 15:19	217484
Cobalt	NELAP	0.1	1.0	J	**0.8**	µg/L	5	01/23/2024 15:19	217484
Lead	NELAP	0.6	1.0	J	**0.7**	µg/L	5	01/24/2024 15:30	217484
Lithium	*	1.4	3.0		**10.0**	µg/L	5	01/23/2024 15:19	217484
Molybdenum	NELAP	0.6	1.5		**5.1**	µg/L	5	01/31/2024 1:09	217484
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 15:19	217484
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 15:19	217484

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-022 **Client Sample ID:** APW18

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 14:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/18/2024 10:55	217502

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-094 **Client Sample ID:** XPW01-pore

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 14:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.72**	ft	1	01/16/2024 14:21	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**130**	NTU	1	01/16/2024 14:21	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-218**	mV	1	01/16/2024 14:21	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**11200**	µS/cm	1	01/16/2024 14:21	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.2**	°C	1	01/16/2024 14:21	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.20**	mg/L	1	01/16/2024 14:21	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**12.5**		1	01/16/2024 14:21	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/18/2024 10:08	R341971
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**760**	mg/L	1	01/18/2024 10:08	R341971
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	80	100		**5200**	mg/L	5	01/18/2024 9:15	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**2450**	mg/L	50	01/19/2024 13:16	R342020
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**4.29**	mg/L	1	01/18/2024 12:06	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**59**	mg/L	5	01/18/2024 16:57	R341985
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**12.4**	mg/L	1	01/18/2024 11:47	217484
Magnesium	NELAP	0.006	0.050		**0.856**	mg/L	1	01/18/2024 11:47	217484
Potassium	NELAP	0.800	2.00		**42.0**	mg/L	20	01/19/2024 13:28	217484
Sodium	NELAP	0.360	1.00		**1850**	mg/L	20	01/19/2024 13:28	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**1.9**	µg/L	5	01/23/2024 16:23	217484
Arsenic	NELAP	0.4	1.0		**69.7**	µg/L	5	01/23/2024 16:23	217484
Barium	NELAP	0.7	1.0		**124**	µg/L	5	01/23/2024 16:23	217484
Beryllium	NELAP	0.2	1.0	J	**0.7**	µg/L	5	01/23/2024 16:23	217484
Boron	NELAP	9.2	25.0		**18100**	µg/L	5	01/23/2024 16:23	217484
Cadmium	NELAP	0.2	1.0	J	**0.2**	µg/L	5	01/23/2024 16:23	217484
Chromium	NELAP	0.7	1.5		**16.5**	µg/L	5	01/23/2024 16:23	217484
Cobalt	NELAP	0.1	1.0		**2.0**	µg/L	5	01/23/2024 16:23	217484
Lead	NELAP	0.6	1.0		**11.5**	µg/L	5	01/23/2024 16:23	217484
Lithium	*	1.4	3.0		**79.4**	µg/L	5	01/23/2024 16:23	217484
Molybdenum	NELAP	0.6	1.5		**160**	µg/L	5	01/31/2024 1:14	217484
Selenium	NELAP	0.6	1.0		**53.7**	µg/L	5	01/23/2024 16:23	217484
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 16:23	217484

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-094 **Client Sample ID:** XPW01-pore

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 14:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20	S	**3.37**	µg/L	1	01/18/2024 10:57	217502

Matrix spike did not recover within control limits due to matrix interference. Verified by bench spike

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-095 **Client Sample ID:** XPW02-pore

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 13:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.72**	ft	1	01/16/2024 13:05	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**15**	NTU	1	01/16/2024 13:05	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-158**	mV	1	01/16/2024 13:05	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**597**	µS/cm	1	01/16/2024 13:05	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.7**	°C	1	01/16/2024 13:05	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.41**	mg/L	1	01/16/2024 13:05	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**9.82**		1	01/16/2024 13:05	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**12**	mg/L	1	01/17/2024 15:03	R341909
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**37**	mg/L	1	01/17/2024 15:03	R341909
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**322**	mg/L	1	01/19/2024 10:57	R342053
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**219**	mg/L	20	01/18/2024 17:05	R341983
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.48**	mg/L	1	01/18/2024 12:07	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**18**	mg/L	1	01/18/2024 17:00	R341985
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**38.0**	mg/L	1	01/18/2024 11:49	217484
Magnesium	NELAP	0.006	0.050		**0.983**	mg/L	1	01/18/2024 11:49	217484
Potassium	NELAP	0.400	1.00		**19.0**	mg/L	10	01/19/2024 13:30	217484
Sodium	NELAP	0.018	0.050		**72.9**	mg/L	1	01/18/2024 11:49	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**1.0**	µg/L	5	01/23/2024 16:28	217484
Arsenic	NELAP	0.4	1.0		**63.2**	µg/L	5	01/24/2024 15:48	217484
Barium	NELAP	0.7	1.0		**137**	µg/L	5	01/23/2024 16:28	217484
Beryllium	NELAP	0.2	1.0	J	**0.6**	µg/L	5	01/23/2024 16:28	217484
Boron	NELAP	9.2	25.0		**2390**	µg/L	5	01/23/2024 16:28	217484
Cadmium	NELAP	0.2	1.0	J	**0.5**	µg/L	5	01/29/2024 20:57	217484
Chromium	NELAP	0.7	1.5		**9.3**	µg/L	5	01/23/2024 16:28	217484
Cobalt	NELAP	0.1	1.0		**1.1**	µg/L	5	01/31/2024 20:44	217484
Lead	NELAP	0.6	1.0		**6.1**	µg/L	5	01/23/2024 16:28	217484
Lithium	*	1.4	3.0		**30.2**	µg/L	5	01/23/2024 16:28	217484
Molybdenum	NELAP	0.6	1.5		**47.8**	µg/L	5	01/31/2024 1:20	217484
Selenium	NELAP	0.6	1.0	J	**0.8**	µg/L	5	01/23/2024 16:28	217484
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 16:28	217484

Laboratory Results

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

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24
Lab ID: 24010247-095
Client Sample ID: XPW02-pore
Matrix: GROUNDWATER
Collection Date: 01/16/2024 13:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/18/2024 11:11	217502

Laboratory Results

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

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-096 **Client Sample ID:** XPW03-pore

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 12:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.97**	ft	1	01/16/2024 12:12	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**240**	NTU	1	01/16/2024 12:12	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-151**	mV	1	01/16/2024 12:12	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1650**	µS/cm	1	01/16/2024 12:12	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.2**	°C	1	01/16/2024 12:12	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.42**	mg/L	1	01/16/2024 12:12	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**11.8**		1	01/16/2024 12:12	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/17/2024 15:09	R341909
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**155**	mg/L	1	01/17/2024 15:09	R341909
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**475**	mg/L	2.5	01/18/2024 9:24	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**169**	mg/L	10	01/19/2024 13:22	R342020
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.37	1.00		**1.09**	mg/L	10	01/18/2024 12:31	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**23**	mg/L	1	01/18/2024 17:08	R341985
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**81.4**	mg/L	1	01/18/2024 11:51	217484
Magnesium	NELAP	0.006	0.050		**8.06**	mg/L	1	01/18/2024 11:51	217484
Potassium	NELAP	0.400	1.00		**27.8**	mg/L	10	01/19/2024 13:31	217484
Sodium	NELAP	0.018	0.050		**182**	mg/L	1	01/18/2024 11:51	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**3.2**	µg/L	5	01/23/2024 16:34	217484
Arsenic	NELAP	0.4	1.0		**50.6**	µg/L	5	01/24/2024 16:42	217484
Barium	NELAP	0.7	1.0		**2000**	µg/L	5	01/23/2024 16:34	217484
Beryllium	NELAP	0.2	1.0		**3.9**	µg/L	5	01/23/2024 16:34	217484
Boron	NELAP	9.2	25.0		**3380**	µg/L	5	01/23/2024 16:34	217484
Cadmium	NELAP	0.2	1.0	J	**0.8**	µg/L	5	01/24/2024 16:42	217484
Chromium	NELAP	0.7	1.5		**51.9**	µg/L	5	01/23/2024 16:34	217484
Cobalt	NELAP	0.1	1.0		**7.5**	µg/L	5	01/31/2024 20:50	217484
Lead	NELAP	0.6	1.0		**37.1**	µg/L	5	01/23/2024 16:34	217484
Lithium	*	1.4	3.0		**67.3**	µg/L	5	01/23/2024 16:34	217484
Molybdenum	NELAP	0.6	1.5		**123**	µg/L	5	01/31/2024 1:26	217484
Selenium	NELAP	0.6	1.0		**12.5**	µg/L	5	01/23/2024 16:34	217484
Thallium	NELAP	1.0	2.0	J	**1.2**	µg/L	5	01/23/2024 16:34	217484

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-096 **Client Sample ID:** XPW03-pore

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 12:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/18/2024 11:15	217502

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-097 **Client Sample ID:** XPW04-pore

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**12.24**	ft	1	01/16/2024 11:23	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.2**	NTU	1	01/16/2024 11:23	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-150**	mV	1	01/16/2024 11:23	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**13600**	µS/cm	1	01/16/2024 11:23	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.5**	°C	1	01/16/2024 11:23	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.42**	mg/L	1	01/16/2024 11:23	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**11.7**		1	01/16/2024 11:23	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/17/2024 15:17	R341909
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**246**	mg/L	1	01/17/2024 15:17	R341909
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	80	100		**12000**	mg/L	5	01/19/2024 10:57	R342053
SW-846 9036 (TOTAL)									
Sulfate	NELAP	1230	2000		**7880**	mg/L	200	01/23/2024 15:16	R342116
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.83**	mg/L	1	01/18/2024 12:20	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**152**	mg/L	10	01/19/2024 10:44	R342023
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**97.3**	mg/L	1	01/18/2024 11:52	217484
Magnesium	NELAP	0.006	0.050		**0.393**	mg/L	1	01/18/2024 11:52	217484
Potassium	NELAP	0.800	2.00		**85.1**	mg/L	20	01/19/2024 13:33	217484
Sodium	NELAP	0.360	1.00		**3670**	mg/L	20	01/19/2024 13:33	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**1.1**	µg/L	5	01/23/2024 16:40	217484
Arsenic	NELAP	0.4	1.0		**56.3**	µg/L	5	01/23/2024 16:40	217484
Barium	NELAP	0.7	1.0		**144**	µg/L	5	01/23/2024 16:40	217484
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 16:40	217484
Boron	NELAP	9.2	25.0		**7060**	µg/L	5	01/23/2024 16:40	217484
Cadmium	NELAP	0.2	1.0	J	**0.2**	µg/L	5	01/23/2024 16:40	217484
Chromium	NELAP	0.7	1.5		**15.4**	µg/L	5	01/23/2024 16:40	217484
Cobalt	NELAP	0.1	1.0	J	**0.5**	µg/L	5	01/23/2024 16:40	217484
Lead	NELAP	0.6	1.0		**1.1**	µg/L	5	01/23/2024 16:40	217484
Lithium	*	1.4	3.0		**41.4**	µg/L	5	01/23/2024 16:40	217484
Molybdenum	NELAP	0.6	1.5		**552**	µg/L	5	01/31/2024 2:12	217484
Selenium	NELAP	0.6	1.0		**154**	µg/L	5	01/23/2024 16:40	217484
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 16:40	217484

Laboratory Results

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

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-097 **Client Sample ID:** XPW04-pore

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/18/2024 11:17	217502

Laboratory Results

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

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-098 **Client Sample ID:** XSG01

Matrix: GROUNDWATER **Collection Date:** 01/15/2024 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.70**	ft	1	01/15/2024 12:48	R342563

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-099 **Client Sample ID:** YSG02

Matrix: GROUNDWATER **Collection Date:** 01/15/2024 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**3.75**	ft	1	01/15/2024 10:17	R342563

Laboratory Results

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

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-100 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 01/26/2024 10:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**1**	mg/L	1	01/29/2024 12:13	R342348
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/29/2024 12:13	R342348
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	01/29/2024 11:08	R342377
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	01/30/2024 13:36	R342402
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	01/30/2024 12:55	R342388
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	01/30/2024 13:35	R342407
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**< 0.100**	mg/L	1	01/29/2024 17:37	217908
Magnesium	NELAP	0.006	0.050		**< 0.050**	mg/L	1	01/29/2024 17:37	217908
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	01/29/2024 17:37	217908
Sodium	NELAP	0.018	0.050	BJ	**0.043**	mg/L	1	01/29/2024 17:37	217908
Contamination present in the MBLK for Na. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	02/01/2024 21:11	217908
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	02/01/2024 21:11	217908
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	02/01/2024 21:11	217908
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/06/2024 8:29	217908
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	02/05/2024 15:14	217908
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/01/2024 21:11	217908
Chromium	NELAP	0.7	1.5	BJ	**0.9**	µg/L	5	02/05/2024 15:14	217908
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	02/05/2024 15:14	217908
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/01/2024 21:11	217908
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	02/05/2024 15:14	217908
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	02/06/2024 8:29	217908
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/01/2024 21:11	217908
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/01/2024 21:11	217908
Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/30/2024 8:26	217927

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-102 **Client Sample ID:** APW02 Duplicate

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.99**	ft	1	01/18/2024 13:35	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**22**	NTU	1	01/18/2024 13:35	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**67**	mV	1	01/18/2024 13:35	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3220**	µS/cm	1	01/18/2024 13:35	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**8.6**	°C	1	01/18/2024 13:35	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.71**	mg/L	1	01/18/2024 13:35	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.59**		1	01/18/2024 13:35	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**610**	mg/L	1	01/19/2024 16:28	R342036
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/19/2024 16:28	R342036
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**5140**	mg/L	2.5	01/23/2024 11:02	R342154
SW-846 9036 (TOTAL)									
Sulfate	NELAP	614	1000		**3180**	mg/L	100	01/23/2024 15:25	R342116
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.22**	mg/L	1	01/22/2024 9:39	R342042
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**116**	mg/L	5	01/23/2024 15:19	R342118
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**467**	mg/L	1	01/24/2024 9:39	217595
Magnesium	NELAP	0.006	0.050		**430**	mg/L	1	01/24/2024 9:39	217595
Potassium	NELAP	0.040	0.100		**6.89**	mg/L	1	01/24/2024 9:39	217595
Sodium	NELAP	0.018	0.050		**407**	mg/L	1	01/24/2024 9:39	217595
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.7**	µg/L	5	01/30/2024 23:25	217595
Arsenic	NELAP	0.4	1.0	J	**0.7**	µg/L	5	01/24/2024 21:18	217595
Barium	NELAP	0.7	1.0		**12.8**	µg/L	5	01/30/2024 23:25	217595
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 21:18	217595
Boron	NELAP	9.2	25.0		**129**	µg/L	5	01/24/2024 21:18	217595
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 21:18	217595
Chromium	NELAP	1.0	1.5		**1.6**	µg/L	5	01/29/2024 19:54	217595
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	01/31/2024 20:38	217595
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/24/2024 21:18	217595
Lithium	*	1.4	3.0		**121**	µg/L	5	01/24/2024 21:18	217595
Molybdenum	NELAP	0.6	1.5		**1.7**	µg/L	5	01/30/2024 23:25	217595
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/24/2024 21:18	217595
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/29/2024 19:54	217595

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-102 **Client Sample ID:** APW02 Duplicate

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/23/2024 8:33	217610

Laboratory Results

Teklab, Inc.
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Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-105 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 01/23/2024 15:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**3**	mg/L	1	01/24/2024 11:57	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:57	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	01/24/2024 10:53	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	01/24/2024 14:43	R342183
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	01/24/2024 13:35	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	01/24/2024 14:44	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	**0.089**	mg/L	1	01/25/2024 12:23	217740
Magnesium	NELAP	0.006	0.050	J	**0.024**	mg/L	1	01/25/2024 12:23	217740
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	01/25/2024 12:23	217740
Sodium	NELAP	0.018	0.050	J	**0.022**	mg/L	1	01/25/2024 12:23	217740
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/31/2024 7:02	217740
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/31/2024 7:02	217740
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	01/31/2024 7:02	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/01/2024 2:11	217740
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	02/01/2024 2:11	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 7:02	217740
Chromium	NELAP	0.9	1.5	J	**1.1**	µg/L	5	01/31/2024 7:02	217740
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	02/01/2024 2:11	217740
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 7:02	217740
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	02/01/2024 2:11	217740
Molybdenum	NELAP	1.3	1.5		**< 1.5**	µg/L	5	01/31/2024 7:02	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 7:02	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/31/2024 7:02	217740
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/24/2024 15:10	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-106 **Client Sample ID:** Equipment Blank 2

Matrix: AQUEOUS **Collection Date:** 01/24/2024 14:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**1**	mg/L	1	01/25/2024 9:25	R342204
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/25/2024 9:25	R342204
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	01/25/2024 11:10	R342265
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	01/25/2024 14:24	R342249
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	01/25/2024 11:13	R342170
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	01/25/2024 14:24	R342251
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	**0.059**	mg/L	1	01/26/2024 9:44	217822
Magnesium	NELAP	0.006	0.050	J	**0.025**	mg/L	1	01/26/2024 9:44	217822
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	01/26/2024 9:44	217822
Sodium	NELAP	0.018	0.050		**0.066**	mg/L	1	01/26/2024 9:44	217822
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	01/31/2024 19:01	217822
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Chromium	NELAP	0.7	1.5	J	**0.7**	µg/L	5	01/30/2024 19:58	217822
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	01/31/2024 19:01	217822
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	01/30/2024 19:58	217822
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/30/2024 19:58	217822
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/26/2024 11:41	217823

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-107 **Client Sample ID:** Equipment Blank 3

Matrix: AQUEOUS **Collection Date:** 01/26/2024 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**5**	mg/L	1	01/29/2024 12:25	R342348
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/29/2024 12:25	R342348
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	J	**16**	mg/L	1	01/29/2024 11:09	R342377
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	**8**	mg/L	1	01/30/2024 14:26	R342402
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	01/30/2024 12:58	R342388
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**2**	mg/L	1	01/30/2024 14:26	R342407
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	**0.040**	mg/L	1	01/29/2024 17:32	217908
Magnesium	NELAP	0.006	0.050	J	**0.009**	mg/L	1	01/29/2024 17:32	217908
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	01/29/2024 17:32	217908
Sodium	NELAP	0.018	0.050	BJ	**0.025**	mg/L	1	01/29/2024 17:32	217908
Contamination present in the MBLK for Na. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	02/01/2024 20:08	217908
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Chromium	NELAP	0.7	1.5	BJ	**0.8**	µg/L	5	02/05/2024 15:19	217908
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	02/01/2024 20:08	217908
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	02/06/2024 8:35	217908
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/01/2024 20:08	217908
Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/30/2024 8:31	217927

Sample Summary

Client: Ramboll
Client Project: NEW-24Q1

Work Order: 24010247
Report Date: 20-Feb-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24010247-005	APW02	Groundwater	4	01/18/2024 13:35
24010247-006	APW03	Groundwater	4	01/23/2024 13:04
24010247-007	APW04	Groundwater	4	01/23/2024 13:52
24010247-008	APW05	Groundwater	2	01/16/2024 12:22
24010247-009	APW05S	Groundwater	2	01/23/2024 9:24
24010247-010	APW06	Groundwater	3	01/23/2024 10:04
24010247-011	APW07	Groundwater	2	01/23/2024 11:29
24010247-012	APW08	Groundwater	2	01/18/2024 11:21
24010247-013	APW09	Groundwater	2	01/23/2024 12:23
24010247-014	APW10	Groundwater	2	01/23/2024 14:39
24010247-015	APW11	Groundwater	2	01/16/2024 10:37
24010247-016	APW12	Groundwater	2	01/16/2024 13:20
24010247-017	APW13	Groundwater	2	01/17/2024 13:34
24010247-018	APW14	Groundwater	2	01/17/2024 14:27
24010247-019	APW15	Groundwater	2	01/18/2024 10:14
24010247-020	APW16	Groundwater	2	01/17/2024 12:06
24010247-021	APW17	Groundwater	2	01/17/2024 10:25
24010247-022	APW18	Groundwater	2	01/16/2024 14:45
24010247-094	XPW01-pore	Groundwater	2	01/16/2024 14:21
24010247-095	XPW02-pore	Groundwater	2	01/16/2024 13:05
24010247-096	XPW03-pore	Groundwater	2	01/16/2024 12:12
24010247-097	XPW04-pore	Groundwater	2	01/16/2024 11:23
24010247-098	XSG01	Groundwater	1	01/15/2024 12:48
24010247-099	YSG02	Groundwater	1	01/15/2024 10:17
24010247-100	Field Blank	Aqueous	6	01/26/2024 10:15
24010247-102	APW02 Duplicate	Groundwater	4	01/18/2024 13:35
24010247-105	Equipment Blank 1	Aqueous	6	01/23/2024 15:21
24010247-106	Equipment Blank 2	Aqueous	6	01/24/2024 14:51
24010247-107	Equipment Blank 3	Aqueous	6	01/26/2024 10:20

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

STANDARD METHODS 2510 B FIELD

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.6	90	110	01/16/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.6	90	110	01/23/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-11

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.8	90	110	01/24/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-12

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.6	90	110	01/25/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-13

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.8	90	110	01/26/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	01/17/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.8	90	110	01/18/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.8	90	110	01/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

STANDARD METHODS 2510 B FIELD

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	01/24/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.6	90	110	01/25/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-7

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.5	90	110	01/16/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-8

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.6	90	110	01/17/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-9

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1400**	1412	0	99.0	90	110	01/18/2024

SW-846 9040B FIELD

Batch R342563 **SampType:** LCS Units
SampID: LCS-R342563-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.09**	7.000	0	101.3	98.57	101.4	01/16/2024

Batch R342563 **SampType:** LCS Units
SampID: LCS-R342563-10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.03**	7.000	0	100.4	98.57	101.4	01/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9040B FIELD

Batch R342563 **SampType:** LCS Units

SampID: LCS-R342563-11

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.03**	7.000	0	100.4	98.57	101.4	01/24/2024

Batch R342563 **SampType:** LCS Units

SampID: LCS-R342563-12

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	01/25/2024

Batch R342563 **SampType:** LCS Units

SampID: LCS-R342563-13

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	01/26/2024

Batch R342563 **SampType:** LCS Units

SampID: LCS-R342563-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.08**	7.000	0	101.1	98.57	101.4	01/17/2024

Batch R342563 **SampType:** LCS Units

SampID: LCS-R342563-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.09**	7.000	0	101.3	98.57	101.4	01/18/2024

Batch R342563 **SampType:** LCS Units

SampID: LCS-R342563-4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.08**	7.000	0	101.1	98.57	101.4	01/23/2024

Batch R342563 **SampType:** LCS Units

SampID: LCS-R342563-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.10**	7.000	0	101.4	98.57	101.4	01/24/2024

Batch R342563 **SampType:** LCS Units

SampID: LCS-R342563-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.09**	7.000	0	101.3	98.57	101.4	01/25/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9040B FIELD

Batch R342563 **SampType:** LCS Units

SampID: LCS-R342563-7

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	01/16/2024

Batch R342563 **SampType:** LCS Units

SampID: LCS-R342563-8

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	01/17/2024

Batch R342563 **SampType:** LCS Units

SampID: LCS-R342563-9

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.08**	7.000	0	101.1	98.57	101.4	01/18/2024

EPA 600 350.1 (DISSOLVED)

Batch R342034 **SampType:** MBLK Units **mg/L**

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	01/22/2024

Batch R342034 **SampType:** LCS Units **mg/L**

SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.02**	1.000	0	102.4	90	110	01/22/2024

Batch R342034 **SampType:** MS Units **mg/L**

SampID: 24010247-062FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**24.1**	20.00	4.909	96.2	90	110	01/22/2024

Batch R342034 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24010247-062FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**24.1**	20.00	4.909	96.2	24.15	0.00	01/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

EPA 600 350.1 (DISSOLVED)

Batch R342034 **SampType:** MS Units **mg/L**
SampID: 24011294-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	S	**4.13**	4.000	1.119	75.2	90	110	01/22/2024

Batch R342034 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011294-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	S	**4.11**	4.000	1.119	74.7	4.127	0.49	01/22/2024

Batch R342034 **SampType:** MS Units **mg/L**
SampID: 24011300-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.95**	2.000	0	97.4	90	110	01/22/2024

Batch R342034 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011300-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.97**	2.000	0	98.4	1.949	1.02	01/22/2024

Batch R342034 **SampType:** MS Units **mg/L**
SampID: 24011334-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.96**	2.000	0	98.2	90	110	01/22/2024

Batch R342034 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011334-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.96**	2.000	0	98.1	1.964	0.10	01/22/2024

Batch R342034 **SampType:** MS Units **mg/L**
SampID: 24011359-011EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0.06500	90.2	90	110	01/22/2024

Batch R342034 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011359-011EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0.06500	92.6	1.870	2.43	01/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

EPA 600 350.1 (DISSOLVED)

Batch R342157 **SampType:** MS Units **mg/L**
SampID: 24010247-059EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.96**	2.000	0.07300	94.4	90	110	01/24/2024

Batch R342157 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-059EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.97**	2.000	0.07300	94.6	1.960	0.31	01/24/2024

Batch R342284 **SampType:** MS Units **mg/L**
SampID: 24010247-036EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0	96.2	90	110	01/26/2024

Batch R342284 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-036EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.94**	2.000	0	96.8	1.925	0.57	01/26/2024

Batch R342284 **SampType:** MS Units **mg/L**
SampID: 24010247-044EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.93**	2.000	0	96.7	90	110	01/26/2024

Batch R342284 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-044EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.91**	2.000	0	95.5	1.934	1.25	01/26/2024

Batch R342284 **SampType:** MS Units **mg/L**
SampID: 24010247-092FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	E	**6.39**	2.000	4.567	91.0	90	110	01/26/2024

Batch R342284 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-092FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	E	**6.42**	2.000	4.567	92.8	6.386	0.59	01/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

EPA 600 350.1 (DISSOLVED)

Batch R342356 **SampType:** MS Units **mg/L**
SampID: 24011768-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.93**	2.000	0	96.4	90	110	01/29/2024

Batch R342356 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011768-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0	96.2	1.929	0.26	01/29/2024

Batch R342356 **SampType:** MS Units **mg/L**
SampID: 24011814-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0	93.6	90	110	01/29/2024

Batch R342356 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011814-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.89**	2.000	0	94.6	1.872	1.01	01/29/2024

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R342029 **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	01/18/2024

Batch R342029 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**940**	1000	0	94.0	90	110	01/18/2024

Batch R342029 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24010247-016ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1640**				1666	1.33	01/18/2024

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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R342029 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24011105-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**132**				132.0	0.00	01/18/2024

Batch R342053 **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	01/19/2024

Batch R342053 **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		**926**	1000	0	92.6	90	110	01/19/2024

Batch R342053 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24011270-002BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**3270**				3190	2.42	01/19/2024

Batch R342098 **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	01/22/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	01/22/2024

Batch R342098 **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		**918**	1000	0	91.8	90	110	01/22/2024
Total Dissolved Solids		20		**940**	1000	0	94.0	90	110	01/22/2024

Batch R342098 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24011359-013BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**740**				720.0	2.74	01/22/2024

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Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R342154 **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	01/23/2024

Batch R342154 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**958**	1000	0	95.8	90	110	01/23/2024

Batch R342154 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24010247-005ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**5000**				5310	5.91	01/23/2024

Batch R342206 **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	01/24/2024

Batch R342206 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**970**	1000	0	97.0	90	110	01/24/2024

Batch R342206 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24010247-059ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**830**				804.0	3.18	01/24/2024

Batch R342265 **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	01/25/2024

Batch R342265 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**942**	1000	0	94.2	90	110	01/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R342265 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24010247-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**2130**				2124	0.28	01/25/2024

Batch R342316 **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	01/26/2024

Batch R342316 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**970**	1000	0	97.0	90	110	01/26/2024

Batch R342377 **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	01/29/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	01/29/2024

Batch R342377 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**944**	1000	0	94.4	90	110	01/29/2024

Batch R342377 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24010247-025ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**924**				910.0	1.53	01/29/2024

Batch R342436 **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	01/30/2024

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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R342436 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**960**	1000	0	96.0	90	110	01/30/2024

Batch R342512 **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	01/31/2024

Batch R342512 **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		**966**	1000	0	96.6	90	110	01/31/2024

Batch R342697 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/05/2024

Batch R342697 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**952**	1000	0	95.2	90	110	02/05/2024

Batch R342697 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24020177-003BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**752**				762.0	1.32	02/05/2024

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

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

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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

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

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

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

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

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

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

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

Batch R341969 **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	01/18/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	01/18/2024

Batch R341969 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	103.8	90	110	01/18/2024
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	104.4	90	110	01/18/2024

Batch R341969 **SampType:** MS Units **mg/L**
SampID: 24011236-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**3.18**	2.500	0.3650	112.6	85	115	01/18/2024

Batch R341969 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011236-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**3.18**	2.500	0.3650	112.6	3.180	0.00	01/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch R341969 **SampType:** MS Units **mg/L**
SampID: 24011262-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.45**	0.5000	0	89.6	85	115	01/18/2024

Batch R341969 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011262-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.45**	0.5000	0	89.2	0.4480	0.45	01/18/2024

Batch R342028 **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	01/19/2024

Batch R342028 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	100.2	90	110	01/19/2024

Batch R342028 **SampType:** MS Units **mg/L**
SampID: 24010247-060BMS

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	106.0	85	115	01/19/2024

Batch R342028 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-060BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.55**	0.5000	0	109.2	0.5300	2.97	01/19/2024

Batch R342028 **SampType:** MS Units **mg/L**
SampID: 24010247-061BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.56**	0.5000	0.01500	108.2	85	115	01/19/2024

Batch R342028 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-061BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.56**	0.5000	0.01500	109.6	0.5560	1.25	01/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch R342028 **SampType:** MS Units **mg/L**
SampID: 24011359-001AMS

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	0.01000	104.8	85	115	01/19/2024

Batch R342028 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011359-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.58**	0.5000	0.01000	113.6	0.5340	7.91	01/19/2024

Batch R342176 **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	01/24/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	01/24/2024

Batch R342176 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	99.8	90	110	01/24/2024
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	99.8	90	110	01/24/2024

Batch R342176 **SampType:** MS Units **mg/L**
SampID: 24011540-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**2.26**	2.500	0	90.2	85	115	01/24/2024

Batch R342176 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011540-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**2.24**	2.500	0	89.6	2.255	0.67	01/24/2024

Batch R342176 **SampType:** MS Units **mg/L**
SampID: 24011541-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25	E	**3.70**	2.500	1.195	100.4	85	115	01/24/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch R342176 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011541-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.25	E	**3.74**	2.500	1.195	102.0	3.705	1.07	01/24/2024

Batch R342233 **SampType:** MS Units **mg/L**
SampID: 24010247-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0.009000	97.2	85	115	01/25/2024

Batch R342233 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0.009000	97.4	0.4950	0.20	01/25/2024

Batch R342233 **SampType:** MS Units **mg/L**
SampID: 24010247-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.63**	0.5000	0.1360	99.4	85	115	01/25/2024

Batch R342233 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.63**	0.5000	0.1360	98.8	0.6330	0.48	01/25/2024

Batch R342273 **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	01/26/2024

Batch R342273 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	100.8	90	110	01/26/2024

Batch R342273 **SampType:** MS Units **mg/L**
SampID: 24010247-093BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.6	85	115	01/26/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch R342273 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-093BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.2	0.4730	0.42	01/26/2024

Batch R342395 **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	01/30/2024

Batch R342395 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	98.2	90	110	01/30/2024

Batch R342395 **SampType:** MS Units **mg/L**
SampID: 24010247-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.51**	0.5000	0	102.2	85	115	01/30/2024

Batch R342395 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.51**	0.5000	0	102.0	0.5110	0.20	01/30/2024

Batch R342395 **SampType:** MS Units **mg/L**
SampID: 24011772-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.53**	0.5000	0.008000	104.6	85	115	01/30/2024

Batch R342395 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011772-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.53**	0.5000	0.008000	104.2	0.5310	0.38	01/30/2024

Batch R342395 **SampType:** MS Units **mg/L**
SampID: 24011966-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25	E	**5.48**	2.500	2.910	102.6	85	115	01/30/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch R342395 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24011966-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.25	E	**5.48**	2.500	2.910	102.6	5.475	0.00	01/30/2024

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

Batch R342005 **SampType:** MBLK Units **mg/L**

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						01/18/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	01/18/2024

Batch R342005 **SampType:** LCS Units **mg/L**

SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.521**	0.5000	0	104.2	90	110	01/18/2024

Batch R342005 **SampType:** MS Units **mg/L**

SampID: 24011082-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**6.88**	5.000	1.941	98.9	90	110	01/18/2024

Batch R342005 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24011082-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**6.99**	5.000	1.941	100.9	6.885	1.48	01/18/2024

Batch R342005 **SampType:** MS Units **mg/L**

SampID: 24011254-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	**20.4**	5.000	15.37	100.1	90	110	01/18/2024

Batch R342005 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24011254-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	**20.2**	5.000	15.37	95.8	20.37	1.06	01/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch R342081 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						01/19/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	01/19/2024

Batch R342081 **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		**0.550**	0.5000	0	110.0	90	110	01/19/2024

Batch R342081 **SampType:** MS Units **mg/L**
SampID: 24010247-064BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.260**	0.2500	0.01800	96.8	85	115	01/19/2024

Batch R342081 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-064BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.265**	0.2500	0.01800	98.8	0.2600	1.90	01/19/2024

Batch R342081 **SampType:** MS Units **mg/L**
SampID: 24011359-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.252**	0.2500	0	100.8	85	115	01/19/2024

Batch R342081 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011359-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.254**	0.2500	0	101.6	0.2520	0.79	01/19/2024

Batch R342081 **SampType:** MS Units **mg/L**
SampID: 24011359-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	**0.237**	0.2500	0	94.8	85	115	01/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch R342081 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24011359-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	**0.245**	0.2500	0	98.0	0.2370	3.32	01/19/2024

Batch R342193 **SampType:** MBLK Units **mg/L**

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						01/24/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	01/24/2024

Batch R342193 **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		**0.526**	0.5000	0	105.2	90	110	01/24/2024

Batch R342193 **SampType:** MS Units **mg/L**

SampID: 24011342-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**8.50**	2.500	6.010	99.5	90	110	01/24/2024

Batch R342193 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24011342-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**8.52**	2.500	6.010	100.3	8.497	0.25	01/24/2024

Batch R342193 **SampType:** MS Units **mg/L**

SampID: 24011444-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.64**	1.250	2.345	104.0	90	110	01/24/2024

Batch R342193 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24011444-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.62**	1.250	2.345	102.1	3.645	0.66	01/24/2024

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Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch R342193 **SampType:** MS Units **mg/L**
SampID: 24011541-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**23.6**	12.50	11.09	100.3	90	110	01/24/2024

Batch R342193 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011541-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**23.8**	12.50	11.09	102.0	23.63	0.89	01/24/2024

Batch R342275 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						01/25/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	01/25/2024

Batch R342275 **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		**0.482**	0.5000	0	96.4	90	110	01/25/2024

Batch R342275 **SampType:** MS Units **mg/L**
SampID: 24010247-044BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.304**	0.2500	0.05300	100.4	85	115	01/25/2024

Batch R342275 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-044BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.302**	0.2500	0.05300	99.6	0.3040	0.66	01/25/2024

Batch R342275 **SampType:** MS Units **mg/L**
SampID: 24011559-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.17**	2.500	3.638	101.2	90	110	01/25/2024

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Quality Control Results

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Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch R342275 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011559-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.20**	2.500	3.638	102.4	6.168	0.49	01/25/2024

Batch R342275 **SampType:** MS Units **mg/L**
SampID: 24011641-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**2.57**	1.250	1.302	101.8	90	110	01/25/2024

Batch R342275 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011641-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**2.57**	1.250	1.302	101.4	2.574	0.16	01/25/2024

Batch R342275 **SampType:** MS Units **mg/L**
SampID: 24011703-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.87**	2.500	2.381	99.7	90	110	01/25/2024

Batch R342275 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011703-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.74**	2.500	2.381	94.4	4.873	2.75	01/25/2024

Batch R342306 **SampType:** MS Units **mg/L**
SampID: 24011814-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**2.87**	1.250	1.661	96.8	85	115	01/26/2024

Batch R342306 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011814-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.00**	1.250	1.661	106.7	2.871	4.23	01/26/2024

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Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9012A (TOTAL)

Batch 217587 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240119 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	01/22/2024

Batch 217587 **SampType:** LCS Units **mg/L**
SampID: LCS 240119 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	105.7	90	110	01/22/2024

Batch 217587 **SampType:** MS Units **mg/L**
SampID: 24011273-004CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0.001820	103.1	90	110	01/22/2024

Batch 217587 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011273-004CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0.001820	105.8	0.02760	2.42	01/22/2024

Batch 217608 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240122 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	01/23/2024

Batch 217608 **SampType:** LCS Units **mg/L**
SampID: LCS 240122 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	106.6	90	110	01/23/2024

Batch 217608 **SampType:** MS Units **mg/L**
SampID: 24011359-002DMS

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	01/23/2024

Batch 217608 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011359-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	106.8	0.02593	2.94	01/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9012A (TOTAL)

Batch 217608 **SampType:** MS Units **mg/L**
SampID: 24011359-003DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.1	75	125	01/23/2024

Batch 217608 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011359-003DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.3	0.02504	1.83	01/23/2024

Batch 217756 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240124 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	01/25/2024

Batch 217756 **SampType:** LCS Units **mg/L**
SampID: LCS 240124 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	109.9	90	110	01/25/2024

Batch 217756 **SampType:** MS Units **mg/L**
SampID: 24011488-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.5	90	110	01/25/2024

Batch 217756 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011488-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.3	0.02614	0.19	01/25/2024

Batch 217830 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240125 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	01/26/2024

Batch 217830 **SampType:** LCS Units **mg/L**
SampID: LCS 240125 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	95.4	90	110	01/26/2024

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Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9012A (TOTAL)

Batch 217830 **SampType:** MS Units **mg/L**
SampID: 24011609-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	E	**0.053**	0.0250	0.02614	108.2	90	110	01/26/2024

Batch 217830 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011609-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	E	**0.051**	0.0250	0.02614	100.3	0.05319	3.77	01/26/2024

Batch 217830 **SampType:** MS Units **mg/L**
SampID: 24011668-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.136**	0.1250	0.01475	96.8	90	110	01/26/2024

Batch 217830 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011668-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.136**	0.1250	0.01475	97.1	0.1357	0.26	01/26/2024

Batch 217891 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240126 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	01/29/2024

Batch 217891 **SampType:** LCS Units **mg/L**
SampID: LCS 240126 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	96.6	90	110	01/29/2024

Batch 217891 **SampType:** MS Units **mg/L**
SampID: 24011725-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.030**	0.0250	0.01020	78.2	90	110	01/29/2024

Batch 217891 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011725-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	S	**0.031**	0.0250	0.01020	84.0	0.02975	4.77	01/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9012A (TOTAL)

Batch 217891 **SampType:** MS Units **mg/L**
SampID: 24011740-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0.004810	90.6	90	110	01/29/2024

Batch 217891 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011740-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0.004810	94.3	0.02747	3.24	01/29/2024

Batch 217975 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240129 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	01/30/2024

Batch 217975 **SampType:** LCS Units **mg/L**
SampID: LCS 240129 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	99.2	90	110	01/30/2024

Batch 217975 **SampType:** MS Units **mg/L**
SampID: 24011869-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.2	90	110	01/30/2024

Batch 217975 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011869-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.0	0.02606	1.16	01/30/2024

SW-846 9036 (DISSOLVED)

Batch R342020 **SampType:** MS Units **mg/L**
SampID: 24010247-055BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**19**	20.00	10.22	42.8	85	115	01/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9036 (DISSOLVED)

Batch R342020 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-055BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**19**	20.00	10.22	46.3	18.78	3.61	01/19/2024

Batch R342183 **SampType:** MS Units **mg/L**
SampID: 24010247-060BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**703**	400.0	333.8	92.3	85	115	01/24/2024

Batch R342183 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-060BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**743**	400.0	333.8	102.2	703.1	5.48	01/24/2024

Batch R342183 **SampType:** MS Units **mg/L**
SampID: 24011359-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**978**	400.0	603.8	93.5	85	115	01/24/2024

Batch R342183 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011359-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**971**	400.0	603.8	91.8	977.7	0.71	01/24/2024

Batch R342249 **SampType:** MS Units **mg/L**
SampID: 24010247-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**200**	100.0	98.27	102.2	85	115	01/25/2024

Batch R342249 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**198**	100.0	98.27	99.7	200.5	1.25	01/25/2024

Batch R342249 **SampType:** MS Units **mg/L**
SampID: 24010247-101BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		500		**1920**	1000	1014	91.0	85	115	01/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9036 (DISSOLVED)

Batch R342249 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-101BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		500		**1900**	1000	1014	88.3	1924	1.44	01/25/2024

Batch R342339 **SampType:** MS Units **mg/L**
SampID: 24010247-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**443**	200.0	265.4	88.8	85	115	01/29/2024

Batch R342339 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**454**	200.0	265.4	94.5	442.9	2.56	01/29/2024

Batch R342339 **SampType:** MS Units **mg/L**
SampID: 24010247-045BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		500		**1870**	1000	1005	86.9	85	115	01/29/2024

Batch R342339 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-045BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		500		**1900**	1000	1005	89.4	1873	1.34	01/29/2024

Batch R342402 **SampType:** MS Units **mg/L**
SampID: 24010247-104BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**442**	200.0	256.7	92.8	85	115	01/30/2024

Batch R342402 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-104BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**441**	200.0	256.7	92.1	442.3	0.32	01/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9036 (TOTAL)

Batch R341983 **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	01/18/2024

Batch R341983 **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	94.0	90	110	01/18/2024

Batch R341983 **SampType:** MS Units **mg/L**
SampID: 24010247-015AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**467**	200.0	288.0	89.7	85	115	01/18/2024

Batch R341983 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-015AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**468**	200.0	288.0	89.8	467.4	0.03	01/18/2024

Batch R341983 **SampType:** MS Units **mg/L**
SampID: 24010247-022AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**82**	40.00	43.44	97.2	85	115	01/18/2024

Batch R341983 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-022AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**89**	40.00	43.44	114.2	82.30	7.97	01/18/2024

Batch R341983 **SampType:** MS Units **mg/L**
SampID: 24011234-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**836**	400.0	451.1	96.2	90	110	01/18/2024

Batch R341983 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011234-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**829**	400.0	451.1	94.5	835.7	0.80	01/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9036 (TOTAL)

Batch R342020 **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	01/19/2024

Batch R342020 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	96.8	90	110	01/19/2024

Batch R342020 **SampType:** MS Units **mg/L**
SampID: 24010247-020AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**22**	20.00	9.270	62.0	85	115	01/19/2024

Batch R342020 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-020AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**22**	20.00	9.270	62.3	21.66	0.32	01/19/2024

Batch R342116 **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	01/23/2024

Batch R342116 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	98.2	90	110	01/23/2024

Batch R342116 **SampType:** MS Units **mg/L**
SampID: 24010247-012AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**96**	40.00	58.71	92.3	85	115	01/23/2024

Batch R342116 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-012AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**98**	40.00	58.71	97.5	95.63	2.13	01/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9036 (TOTAL)

Batch R342183 **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	01/24/2024

Batch R342183 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	99.0	90	110	01/24/2024

Batch R342183 **SampType:** MS Units **mg/L**
SampID: 24010247-060AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**760**	400.0	402.7	89.3	85	115	01/24/2024

Batch R342183 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-060AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**808**	400.0	402.7	101.4	759.9	6.19	01/24/2024

Batch R342183 **SampType:** MS Units **mg/L**
SampID: 24011488-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**29**	20.00	12.17	85.4	90	110	01/24/2024

Batch R342183 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011488-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**30**	20.00	12.17	89.6	29.26	2.76	01/24/2024

Batch R342249 **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	01/25/2024

Batch R342249 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	92.8	90	110	01/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9036 (TOTAL)

Batch R342339 **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	01/29/2024

Batch R342339 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	96.5	90	110	01/29/2024

Batch R342402 **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	01/30/2024

Batch R342402 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	96.8	90	110	01/30/2024

Batch R342402 **SampType:** MS Units **mg/L**
SampID: 24011717-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**34**	20.00	15.57	90.3	90	110	01/30/2024

Batch R342402 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011717-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**34**	20.00	15.57	92.6	33.63	1.36	01/30/2024

SW-846 9214 (DISSOLVED)

Batch R342170 **SampType:** MS Units **mg/L**
SampID: 24010247-044BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.41**	2.000	0.1950	110.7	75	125	01/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9214 (DISSOLVED)

Batch R342170 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-044BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.33**	2.000	0.1950	106.6	2.409	3.51	01/25/2024

Batch R342388 **SampType:** MS Units **mg/L**
SampID: 24010247-036BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.48**	2.000	0.3970	104.2	75	125	01/30/2024

Batch R342388 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-036BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.49**	2.000	0.3970	104.8	2.482	0.48	01/30/2024

Batch R342388 **SampType:** MS Units **mg/L**
SampID: 24010247-104BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.41**	2.000	0.2900	106.0	75	125	01/30/2024

Batch R342388 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-104BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.32**	2.000	0.2900	101.3	2.411	4.02	01/30/2024

Batch R342388 **SampType:** MS Units **mg/L**
SampID: 24010247-107BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.11**	2.000	0	105.7	75	125	01/30/2024

Batch R342388 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-107BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.14**	2.000	0	106.8	2.114	0.99	01/30/2024

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24020010-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.35**	2.000	0.2920	102.9	75	125	02/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9214 (DISSOLVED)

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24020010-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.29**	2.000	0.2920	100.0	2.350	2.46	02/02/2024

SW-846 9214 (TOTAL)

Batch R341950 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	01/18/2024

Batch R341950 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.94**	1.000	0	94.2	90	110	01/18/2024

Batch R341950 **SampType:** MS Units **mg/L**

SampID: 24010247-096AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		1.00		**18.7**	20.00	1.090	88.2	75	125	01/18/2024

Batch R341950 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24010247-096AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		1.00		**19.7**	20.00	1.090	93.0	18.74	4.89	01/18/2024

Batch R342001 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	01/19/2024

Batch R342001 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.98**	1.000	0	97.6	90	110	01/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9214 (TOTAL)

Batch R342001 **SampType:** MS Units **mg/L**
SampID: 24010247-056AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**3.36**	2.000	1.201	107.8	75	125	01/19/2024

Batch R342001 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-056AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**3.34**	2.000	1.201	107.0	3.358	0.51	01/19/2024

Batch R342042 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	01/22/2024

Batch R342042 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.03**	1.000	0	102.5	90	110	01/22/2024

Batch R342042 **SampType:** MS Units **mg/L**
SampID: 24010247-102AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.03**	2.000	0.2170	90.8	75	125	01/22/2024

Batch R342042 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-102AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.17**	2.000	0.2170	97.8	2.032	6.75	01/22/2024

Batch R342128 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	01/23/2024

Batch R342128 **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		**0.91**	1.000	0	91.1	90	110	01/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9214 (TOTAL)

Batch R342128 **SampType:** MS Units **mg/L**
SampID: 24010247-057AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.55**	2.000	0.7350	90.8	75	125	01/24/2024

Batch R342128 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-057AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.61**	2.000	0.7350	93.6	2.551	2.13	01/24/2024

Batch R342128 **SampType:** MS Units **mg/L**
SampID: 24011488-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.27**	2.000	0.05300	110.8	75	125	01/23/2024

Batch R342128 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011488-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.26**	2.000	0.05300	110.2	2.268	0.49	01/23/2024

Batch R342170 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	01/24/2024

Batch R342170 **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		**1.04**	1.000	0	104.5	90	110	01/24/2024

Batch R342170 **SampType:** MS Units **mg/L**
SampID: 24011561-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.5020	97.4	75	125	01/24/2024

Batch R342170 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011561-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.63**	2.000	0.5020	106.4	2.449	7.09	01/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9214 (TOTAL)

Batch R342170 **SampType:** MS Units **mg/L**
SampID: 24011657-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**3.22**	2.000	0.9320	114.4	75	125	01/25/2024

Batch R342170 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011657-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**3.15**	2.000	0.9320	110.8	3.220	2.29	01/25/2024

Batch R342388 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	01/30/2024

Batch R342388 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.96**	1.000	0	96.4	90	110	01/30/2024

Batch R342565 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	02/01/2024

Batch R342565 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.95**	1.000	0	95.4	90	110	02/01/2024

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010118-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.96**	2.000	0.07300	94.5	75	125	02/02/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010118-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.05**	2.000	0.07300	98.8	1.963	4.24	02/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9214 (TOTAL)

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010247-065AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		1.00		**19.0**	20.00	1.280	88.8	75	125	02/02/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-065AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		1.00		**18.3**	20.00	1.280	85.2	19.05	3.96	02/02/2024

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010966-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.37**	2.000	0.3750	99.6	75	125	02/01/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010966-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.3750	103.7	2.366	3.45	02/01/2024

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010966-016AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.44**	2.000	0.2960	107.2	75	125	02/02/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010966-016AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.40**	2.000	0.2960	105.2	2.441	1.69	02/02/2024

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010966-020AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.31**	2.000	0.3760	96.5	75	125	02/01/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010966-020AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.30**	2.000	0.3760	96.4	2.306	0.13	02/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9214 (TOTAL)

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010966-021AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.28**	2.000	0.2790	100.3	75	125	02/02/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010966-021AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.34**	2.000	0.2790	103.2	2.285	2.46	02/02/2024

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010966-030AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.36**	2.000	0.2690	104.6	75	125	02/02/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010966-030AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.19**	2.000	0.2690	96.2	2.361	7.38	02/02/2024

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010966-044AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.29**	2.000	0.2200	103.4	75	125	02/02/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010966-044AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.22**	2.000	0.2200	99.8	2.289	3.24	02/02/2024

SW-846 9251 (DISSOLVED)

Batch R342023 **SampType:** MS Units **mg/L**
SampID: 24010247-055BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8	E	**116**	40.00	80.52	88.1	85	115	01/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9251 (DISSOLVED)

Batch R342023 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-055BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8	E	**120**	40.00	80.52	99.4	115.8	3.82	01/19/2024

Batch R342118 **SampType:** MS Units **mg/L**
SampID: 24010247-060BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8	E	**108**	40.00	73.67	85.3	85	115	01/23/2024

Batch R342118 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-060BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8	E	**110**	40.00	73.67	92.0	107.8	2.43	01/23/2024

Batch R342118 **SampType:** MS Units **mg/L**
SampID: 24011359-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**30**	20.00	12.01	91.1	85	115	01/23/2024

Batch R342118 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011359-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**30**	20.00	12.01	91.0	30.23	0.07	01/23/2024

Batch R342251 **SampType:** MS Units **mg/L**
SampID: 24010247-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**173**	100.0	74.09	98.9	85	115	01/25/2024

Batch R342251 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**165**	100.0	74.09	90.5	173.0	4.97	01/25/2024

Batch R342251 **SampType:** MS Units **mg/L**
SampID: 24010247-101BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40	S	**359**	200.0	193.6	82.7	85	115	01/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9251 (DISSOLVED)

Batch R342251 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-101BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40	S	**360**	200.0	193.6	83.2	359.1	0.26	01/25/2024

Batch R342343 **SampType:** MS Units **mg/L**
SampID: 24010247-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**85**	40.00	50.60	86.2	85	115	01/29/2024

Batch R342343 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**86**	40.00	50.60	87.3	85.06	0.55	01/29/2024

Batch R342407 **SampType:** MS Units **mg/L**
SampID: 24010247-045BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		400		**2720**	2000	846.6	93.7	85	115	01/30/2024

Batch R342407 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-045BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		400		**2720**	2000	846.6	93.9	2720	0.15	01/30/2024

Batch R342407 **SampType:** MS Units **mg/L**
SampID: 24010247-104BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**237**	200.0	45.14	95.9	85	115	01/30/2024

Batch R342407 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-104BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**236**	200.0	45.14	95.3	237.0	0.52	01/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9251 (TOTAL)

Batch R341985 **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	01/18/2024

Batch R341985 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.1	90	110	01/18/2024

Batch R341985 **SampType:** MS Units **mg/L**
SampID: 24010247-015AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**41**	20.00	23.56	86.9	85	115	01/18/2024

Batch R341985 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-015AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**42**	20.00	23.56	92.0	40.94	2.48	01/18/2024

Batch R341985 **SampType:** MS Units **mg/L**
SampID: 24010247-022AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**42**	20.00	24.21	88.4	85	115	01/18/2024

Batch R341985 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-022AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**42**	20.00	24.21	89.8	41.88	0.69	01/18/2024

Batch R341985 **SampType:** MS Units **mg/L**
SampID: 24011234-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		80		**643**	400.0	275.8	91.8	85	115	01/18/2024

Batch R341985 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011234-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		80		**628**	400.0	275.8	88.0	642.9	2.39	01/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9251 (TOTAL)

Batch R342023 **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	01/19/2024

Batch R342023 **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		**22**	20.00	0	108.2	90	110	01/19/2024

Batch R342023 **SampType:** MS Units **mg/L**
SampID: 24010247-020AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8	E	**104**	40.00	68.76	88.2	85	115	01/19/2024

Batch R342023 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-020AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8	E	**103**	40.00	68.76	85.0	104.0	1.24	01/19/2024

Batch R342118 **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	01/23/2024

Batch R342118 **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	107.0	90	110	01/23/2024

Batch R342118 **SampType:** MS Units **mg/L**
SampID: 24010247-012AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**93**	40.00	58.49	86.6	85	115	01/23/2024

Batch R342118 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-012AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**93**	40.00	58.49	86.4	93.15	0.13	01/23/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9251 (TOTAL)

Batch R342118 **SampType:** MS Units **mg/L**
SampID: 24010247-060AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8	E	**115**	40.00	73.91	103.4	85	115	01/23/2024

Batch R342118 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-060AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8	E	**109**	40.00	73.91	88.6	115.3	5.28	01/23/2024

Batch R342184 **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	01/24/2024

Batch R342184 **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		**22**	20.00	0	109.6	90	110	01/24/2024

Batch R342184 **SampType:** MS Units **mg/L**
SampID: 24011488-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0.9700	95.2	85	115	01/24/2024

Batch R342184 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011488-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**20**	20.00	0.9700	95.4	20.02	0.20	01/24/2024

Batch R342251 **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	01/25/2024

Batch R342251 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	99.0	90	110	01/25/2024

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Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9251 (TOTAL)

Batch R342343 **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	01/29/2024

Batch R342343 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.6	90	110	01/29/2024

Batch R342343 **SampType:** MS Units **mg/L**
SampID: 24011515-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		80		**626**	400.0	278.6	87.0	85	115	01/29/2024

Batch R342343 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011515-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		80	S	**616**	400.0	278.6	84.3	626.5	1.69	01/29/2024

Batch R342343 **SampType:** MS Units **mg/L**
SampID: 24011717-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**61**	40.00	22.87	94.8	85	115	01/29/2024

Batch R342343 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011717-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**61**	40.00	22.87	94.6	60.77	0.12	01/29/2024

Batch R342407 **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	01/30/2024

Batch R342407 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	100.5	90	110	01/30/2024

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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 216527 **SampType:** MBLK Units **mg/L**
SampID: MBLK-216527

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	01/26/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/26/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/25/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/26/2024

Batch 216527 **SampType:** LCS Units **mg/L**
SampID: LCS-216527

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.43**	2.500	0	97.0	85	115	01/25/2024
Magnesium		0.0500		**2.22**	2.500	0	88.9	85	115	01/25/2024
Potassium		0.100		**2.50**	2.500	0	100.2	85	115	01/25/2024
Sodium		0.0500		**2.32**	2.500	0	92.7	85	115	01/25/2024

Batch 216527 **SampType:** MS Units **mg/L**
SampID: 24010247-041CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**487**	2.500	490.9	-141.6	75	125	01/25/2024
Magnesium		0.050	S	**269**	2.500	270.0	-30.0	75	125	01/25/2024
Potassium		0.100		**7.30**	2.500	4.829	98.8	75	125	01/25/2024
Sodium		0.050	S	**150**	2.500	150.2	-2.4	75	125	01/25/2024

Batch 216527 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24010247-041CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**487**	2.500	490.9	-157.2	487.4	0.08	01/25/2024
Magnesium		0.050	S	**269**	2.500	270.0	-47.1	269.3	0.16	01/25/2024
Potassium		0.100		**7.33**	2.500	4.829	99.9	7.299	0.39	01/25/2024
Sodium		0.050	S	**150**	2.500	150.2	-17.6	150.2	0.25	01/25/2024

Batch 217571 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217571

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	01/19/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/19/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/19/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217571 **SampType:** LCS Units **mg/L**
SampID: LCS-217571

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.46**	2.500	0	98.4	85	115	01/19/2024
Magnesium		0.0500		**2.25**	2.500	0	89.8	85	115	01/19/2024
Potassium		0.100		**2.46**	2.500	0	98.4	85	115	01/19/2024
Sodium		0.0500		**2.39**	2.500	0	95.6	85	115	01/19/2024

Batch 217616 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217616

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	01/23/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	01/23/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/23/2024

Batch 217616 **SampType:** LCS Units **mg/L**
SampID: LCS-217616

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.41**	2.500	0	96.2	85	115	01/23/2024
Magnesium		0.050		**2.28**	2.500	0	91.4	85	115	01/23/2024
Potassium		0.100		**2.55**	2.500	0	102.0	85	115	01/23/2024
Sodium		0.050	B	**2.42**	2.500	0	96.9	85	115	01/23/2024

Batch 217616 **SampType:** MS Units **mg/L**
SampID: 24010247-064CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**144**	2.500	144.5	-10.0	75	125	01/23/2024
Magnesium		0.050	S	**54.4**	2.500	53.00	54.4	75	125	01/23/2024
Potassium		0.100		**6.39**	2.500	3.895	99.7	75	125	01/23/2024
Sodium		0.050	BS	**143**	2.500	143.2	-22.0	75	125	01/23/2024

Batch 217616 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24010247-064CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**143**	2.500	144.5	-58.0	144.3	0.84	01/23/2024
Magnesium		0.050	S	**54.0**	2.500	53.00	38.2	54.36	0.75	01/23/2024
Potassium		0.100		**6.34**	2.500	3.895	97.9	6.387	0.70	01/23/2024
Sodium		0.050	BS	**142**	2.500	143.2	-45.2	142.7	0.41	01/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217616 **SampType:** MS Units **mg/L**
SampID: 24011359-009CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050	S	**50.4**	2.500	48.80	62.8	75	125	01/23/2024

Batch 217616 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24011359-009CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050	S	**50.4**	2.500	48.80	66.1	50.37	0.17	01/23/2024

Batch 217751 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217751

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	01/25/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/25/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/24/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/25/2024

Batch 217751 **SampType:** LCS Units **mg/L**
SampID: LCS-217751

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.37**	2.500	0	94.6	85	115	01/24/2024
Magnesium		0.0500		**2.17**	2.500	0	86.8	85	115	01/24/2024
Potassium		0.100		**2.52**	2.500	0	100.7	85	115	01/24/2024
Sodium		0.0500		**2.33**	2.500	0	93.4	85	115	01/24/2024

Batch 217878 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217878

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	01/29/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	01/26/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	01/26/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	01/29/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/26/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	01/26/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/26/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/26/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217878 **SampType:** LCS Units **mg/L**
SampID: LCS-217878

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.47**	2.500	0	98.7	85	115	01/29/2024
Calcium		0.100		**2.27**	2.500	0	91.0	85	115	01/26/2024
Iron		0.0400		**1.82**	2.000	0	91.2	85	115	01/26/2024
Magnesium		0.050		**2.22**	2.500	0	88.7	85	115	01/29/2024
Manganese		0.0070		**0.442**	0.5000	0	88.4	85	115	01/26/2024
Potassium		0.100		**2.43**	2.500	0	97.0	85	115	01/26/2024
Sodium		0.0500		**2.29**	2.500	0	91.8	85	115	01/26/2024

Batch 217878 **SampType:** MS Units **mg/L**
SampID: 24011713-003DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**1.83**	2.000	0	91.6	75	125	01/26/2024

Batch 217878 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24011713-003DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**1.84**	2.000	0	91.9	1.833	0.29	01/26/2024

Batch 217878 **SampType:** MS Units **mg/L**
SampID: 24011763-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**4.15**	4.000	0.5600	89.8	75	125	01/26/2024
Manganese		0.0070		**0.861**	1.000	0.02260	83.8	75	125	01/26/2024

Batch 217878 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24011763-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**4.18**	4.000	0.5600	90.5	4.150	0.72	01/26/2024
Manganese		0.0070		**0.872**	1.000	0.02260	84.9	0.8610	1.21	01/26/2024

Batch 217878 **SampType:** MS Units **mg/L**
SampID: 24011764-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**3.56**	4.000	0	89.0	75	125	01/26/2024
Manganese		0.0070		**1.24**	1.000	0.4214	81.5	75	125	01/26/2024

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Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 217878 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24011764-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**3.59**	4.000	0	89.8	3.560	0.84	01/26/2024
Manganese		0.0070		**1.25**	1.000	0.4214	82.4	1.236	0.75	01/26/2024

Batch 217953 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217953

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	01/30/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/30/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/30/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/30/2024

Batch 217953 **SampType:** LCS Units **mg/L**
SampID: LCS-217953

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.38**	2.500	0	95.4	85	115	01/30/2024
Magnesium		0.0500		**2.21**	2.500	0	88.4	85	115	01/30/2024
Potassium		0.100		**2.51**	2.500	0	100.5	85	115	01/30/2024
Sodium		0.0500		**2.38**	2.500	0	95.1	85	115	01/30/2024

Batch 217953 **SampType:** MS Units **mg/L**
SampID: 24010247-104CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**129**	2.500	128.2	37.6	75	125	01/30/2024
Magnesium		0.050	S	**58.0**	2.500	56.47	62.9	75	125	01/30/2024
Potassium		0.100		**4.59**	2.500	2.045	101.8	75	125	01/30/2024
Sodium		0.050	S	**92.9**	2.500	89.35	142.8	75	125	01/30/2024

Batch 217953 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24010247-104CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**130**	2.500	128.2	74.4	129.1	0.71	01/30/2024
Magnesium		0.050	S	**58.2**	2.500	56.47	70.0	58.04	0.31	01/30/2024
Potassium		0.100		**4.69**	2.500	2.045	105.6	4.590	2.08	01/30/2024
Sodium		0.050	S	**94.9**	2.500	89.35	222.4	92.92	2.12	01/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 218350 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218350

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	02/07/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	02/07/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	02/07/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	02/07/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/07/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	02/07/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	02/07/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	02/07/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/07/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	02/07/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/07/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	02/07/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/07/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	02/07/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	02/07/2024

Batch 218350 **SampType:** LCS Units **mg/L**
SampID: LCS-218350

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.460**	0.5000	0	91.9	85	115	02/07/2024
Arsenic		0.0250		**0.491**	0.5000	0	98.2	85	115	02/07/2024
Boron		0.0200		**0.464**	0.5000	0	92.7	85	115	02/07/2024
Cadmium		0.0020		**0.0467**	0.0500	0	93.4	85	115	02/07/2024
Calcium		0.100		**2.44**	2.500	0	97.5	85	115	02/07/2024
Chromium		0.0050		**0.188**	0.2000	0	94.2	85	115	02/07/2024
Iron		0.0400		**1.92**	2.000	0	96.0	85	115	02/07/2024
Lead		0.0150		**0.480**	0.5000	0	96.0	85	115	02/07/2024
Magnesium		0.0500		**2.26**	2.500	0	90.4	85	115	02/07/2024
Manganese		0.0070		**0.482**	0.5000	0	96.3	85	115	02/07/2024
Potassium		0.100		**2.49**	2.500	0	99.5	85	115	02/07/2024
Selenium		0.0400		**0.466**	0.5000	0	93.2	85	115	02/07/2024
Sodium		0.0500		**2.36**	2.500	0	94.5	85	115	02/07/2024
Vanadium		0.0100		**0.475**	0.5000	0	95.0	85	115	02/07/2024
Zinc		0.0100		**0.470**	0.5000	0	94.0	85	115	02/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 218350 **SampType:** MS Units **mg/L**
SampID: 24020311-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**62.4**	2.500	60.54	72.4	75	125	02/07/2024
Magnesium		0.050		**26.2**	2.500	24.03	87.7	75	125	02/07/2024
Potassium		0.100		**3.44**	2.500	0.9776	98.4	75	125	02/07/2024
Sodium		0.050	S	**60.9**	2.500	59.67	47.6	75	125	02/07/2024

Batch 218350 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24020311-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**62.5**	2.500	60.54	76.8	62.35	0.18	02/07/2024
Magnesium		0.050		**26.1**	2.500	24.03	84.4	26.22	0.32	02/07/2024
Potassium		0.100		**3.38**	2.500	0.9776	96.3	3.437	1.53	02/07/2024
Sodium		0.050	S	**60.6**	2.500	59.67	35.6	60.86	0.49	02/07/2024

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

Batch 217484 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217484

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	01/18/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/18/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/18/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/18/2024

Batch 217484 **SampType:** LCS Units **mg/L**
SampID: LCS-217484

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.69**	2.500	0	107.5	85	115	01/18/2024
Magnesium		0.0500		**2.50**	2.500	0	99.9	85	115	01/18/2024
Potassium		0.100		**2.71**	2.500	0	108.4	85	115	01/18/2024
Sodium		0.0500		**2.68**	2.500	0	107.3	85	115	01/18/2024

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Quality Control Results

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Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 217566 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217566

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	01/19/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/19/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/19/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/19/2024

Batch 217566 **SampType:** LCS Units **mg/L**
SampID: LCS-217566

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.58**	2.500	0	103.3	85	115	01/19/2024
Magnesium		0.0500		**2.35**	2.500	0	93.9	85	115	01/19/2024
Potassium		0.100		**2.58**	2.500	0	103.1	85	115	01/19/2024
Sodium		0.0500		**2.56**	2.500	0	102.4	85	115	01/19/2024

Batch 217566 **SampType:** MS Units **mg/L**
SampID: 24011270-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**273**	2.500	271.5	47.2	75	125	01/19/2024
Magnesium		0.0500		**97.9**	2.500	95.09	110.9	75	125	01/19/2024

Batch 217566 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24011270-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**274**	2.500	271.5	118.0	272.6	0.65	01/19/2024
Magnesium		0.0500	S	**98.3**	2.500	95.09	126.8	97.86	0.41	01/19/2024

Batch 217595 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217595

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	01/24/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/24/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/24/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217595 **SampType:** LCS Units **mg/L**
SampID: LCS-217595

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.51**	2.500	0	100.2	85	115	01/24/2024
Magnesium		0.0500		**2.30**	2.500	0	92.1	85	115	01/24/2024
Potassium		0.100		**2.62**	2.500	0	104.8	85	115	01/24/2024
Sodium		0.0500		**2.45**	2.500	0	97.9	85	115	01/24/2024

Batch 217595 **SampType:** MS Units **mg/L**
SampID: 24010247-019BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**92.5**	2.500	90.30	86.8	75	125	01/24/2024
Magnesium		0.050		**38.8**	2.500	36.59	87.0	75	125	01/24/2024
Potassium		0.100		**6.26**	2.500	3.466	111.8	75	125	01/24/2024
Sodium		0.050	S	**292**	2.500	291.5	20.8	75	125	01/24/2024

Batch 217595 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24010247-019BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**94.3**	2.500	90.30	161.6	92.47	2.00	01/24/2024
Magnesium		0.050		**39.7**	2.500	36.59	124.0	38.76	2.36	01/24/2024
Potassium		0.100		**6.31**	2.500	3.466	113.9	6.261	0.81	01/24/2024
Sodium		0.050	S	**299**	2.500	291.5	285.6	292.0	2.24	01/24/2024

Batch 217740 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217740

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	01/25/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	01/25/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	01/25/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	01/25/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	01/25/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	01/25/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	01/25/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/25/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/25/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	01/25/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217740 **SampType:** LCS Units **mg/L**
SampID: LCS-217740

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.527**	0.5000	0	105.4	85	115	01/25/2024
Arsenic		0.0250		**0.537**	0.5000	0	107.4	85	115	01/25/2024
Boron		0.0200		**0.506**	0.5000	0	101.2	85	115	01/25/2024
Cadmium		0.0020		**0.0516**	0.0500	0	103.2	85	115	01/25/2024
Calcium		0.100		**2.66**	2.500	0	106.4	85	115	01/25/2024
Chromium		0.0050		**0.209**	0.2000	0	104.3	85	115	01/25/2024
Lead		0.0150		**0.516**	0.5000	0	103.3	85	115	01/25/2024
Magnesium		0.0500		**2.46**	2.500	0	98.5	85	115	01/25/2024
Potassium		0.100		**2.69**	2.500	0	107.6	85	115	01/25/2024
Selenium		0.0400		**0.510**	0.5000	0	101.9	85	115	01/25/2024
Sodium		0.0500		**2.59**	2.500	0	103.7	85	115	01/25/2024

Batch 217740 **SampType:** MS Units **mg/L**
SampID: 24010247-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**89.5**	2.500	85.83	148.4	75	125	01/25/2024
Magnesium		0.050		**36.8**	2.500	33.95	115.5	75	125	01/25/2024
Potassium		0.100		**5.41**	2.500	2.720	107.5	75	125	01/25/2024
Sodium		0.050	S	**89.1**	2.500	85.79	130.8	75	125	01/25/2024

Batch 217740 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24010247-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**88.9**	2.500	85.83	124.4	89.54	0.67	01/25/2024
Magnesium		0.050		**36.6**	2.500	33.95	107.0	36.84	0.58	01/25/2024
Potassium		0.100		**5.40**	2.500	2.720	107.3	5.408	0.08	01/25/2024
Sodium		0.050		**88.7**	2.500	85.79	117.6	89.06	0.37	01/25/2024

Batch 217822 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217822

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	01/26/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/26/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/26/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217822 **SampType:** LCS Units **mg/L**
SampID: LCS-217822

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.56**	2.500	0	102.4	85	115	01/26/2024
Magnesium		0.0500		**2.35**	2.500	0	94.0	85	115	01/26/2024
Potassium		0.100		**2.63**	2.500	0	105.2	85	115	01/26/2024
Sodium		0.0500		**2.52**	2.500	0	100.7	85	115	01/26/2024

Batch 217822 **SampType:** MS Units **mg/L**
SampID: 24010247-092CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**550**	2.500	537.6	486.8	75	125	01/26/2024
Magnesium		0.050	S	**284**	2.500	278.6	213.1	75	125	01/26/2024
Potassium		0.100		**9.06**	2.500	6.270	111.7	75	125	01/26/2024
Sodium		0.050	S	**175**	2.500	169.9	201.2	75	125	01/26/2024

Batch 217822 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24010247-092CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**551**	2.500	537.6	550.0	549.7	0.29	01/26/2024
Magnesium		0.050	S	**284**	2.500	278.6	228.2	283.9	0.13	01/26/2024
Potassium		0.100		**9.06**	2.500	6.270	111.5	9.063	0.06	01/26/2024
Sodium		0.050	S	**174**	2.500	169.9	175.6	175.0	0.37	01/26/2024

Batch 217877 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217877

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	01/26/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/26/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/26/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/26/2024

Batch 217877 **SampType:** LCS Units **mg/L**
SampID: LCS-217877

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.56**	2.500	0	102.3	85	115	01/26/2024
Magnesium		0.0500		**2.35**	2.500	0	94.2	85	115	01/26/2024
Potassium		0.100		**2.65**	2.500	0	106.0	85	115	01/26/2024
Sodium		0.0500		**2.53**	2.500	0	101.2	85	115	01/26/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217908 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217908

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	01/29/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	01/29/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/29/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/29/2024
Sodium		0.0500	S	**0.0986**	0.0180	0	547.8	-100	100	01/29/2024

Batch 217908 **SampType:** LCS Units **mg/L**
SampID: LCS-217908

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.61**	2.500	0	104.4	85	115	01/29/2024
Chromium		0.0050		**0.202**	0.2000	0	101.0	85	115	01/29/2024
Magnesium		0.0500		**2.47**	2.500	0	98.9	85	115	01/29/2024
Potassium		0.100		**2.64**	2.500	0	105.7	85	115	01/29/2024
Sodium		0.0500	B	**2.58**	2.500	0	103.4	85	115	01/29/2024

Batch 217908 **SampType:** MS Units **mg/L**
SampID: 24010247-107CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.56**	2.500	0.04000	101.0	75	125	01/29/2024
Magnesium		0.050		**2.43**	2.500	0.008800	97.0	75	125	01/29/2024
Potassium		0.100		**2.57**	2.500	0	102.9	75	125	01/29/2024
Sodium		0.050	B	**2.53**	2.500	0.02510	100.1	75	125	01/29/2024

Batch 217908 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24010247-107CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**2.61**	2.500	0.04000	102.8	2.564	1.73	01/29/2024
Magnesium		0.050		**2.46**	2.500	0.008800	98.1	2.433	1.20	01/29/2024
Potassium		0.100		**2.61**	2.500	0	104.4	2.573	1.44	01/29/2024
Sodium		0.050	B	**2.56**	2.500	0.02510	101.3	2.527	1.17	01/29/2024

Batch 217908 **SampType:** MS Units **mg/L**
SampID: 24011794-003FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium		0.0050		**0.398**	0.2000	0.1989	99.6	75	125	01/29/2024

Teklab, Inc.
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Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217908 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24011794-003FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chromium		0.0050		**0.389**	0.2000	0.1989	95.2	0.3980	2.21	01/29/2024

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

Batch 216527 **SampType:** MBLK Units **µg/L**

SampID: MBLK-216527

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	01/31/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/31/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/31/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/31/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/31/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	01/31/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/31/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	01/31/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/31/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	01/31/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	01/31/2024

Batch 216527 **SampType:** LCS Units **µg/L**

SampID: LCS-216527

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**439**	500.0	0	87.8	80	120	01/31/2024
Arsenic		1.0		**456**	500.0	0	91.1	80	120	01/31/2024
Boron		25.0		**428**	500.0	0	85.5	80	120	01/31/2024
Cadmium		1.0		**43.6**	50.00	0	87.1	80	120	01/31/2024
Chromium		1.5		**174**	200.0	0	87.1	80	120	01/31/2024
Iron		25.0		**1790**	2000	0	89.4	80	120	01/31/2024
Lead		1.0		**435**	500.0	0	87.0	80	120	01/31/2024
Manganese		2.0		**422**	500.0	0	84.3	80	120	01/31/2024
Selenium		1.0		**429**	500.0	0	85.9	80	120	01/31/2024
Vanadium		5.0		**430**	500.0	0	86.0	80	120	02/05/2024
Zinc		15.0		**435**	500.0	0	87.0	80	120	01/31/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 216527 **SampType:** MS Units **µg/L**

SampID: 24010247-041CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**463**	500.0	0	92.7	75	125	01/31/2024
Boron		25.0		**557**	500.0	119.4	87.4	75	125	01/31/2024
Cadmium		1.0		**44.2**	50.00	0	88.4	75	125	01/31/2024
Chromium		1.5		**186**	200.0	15.79	85.2	75	125	01/31/2024
Iron		25.0		**1790**	2000	19.72	88.5	75	125	01/31/2024
Lead		1.0		**449**	500.0	0	89.9	75	125	01/31/2024
Manganese		2.0		**433**	500.0	2.017	86.2	75	125	01/31/2024
Selenium		1.0		**418**	500.0	0	83.6	75	125	01/31/2024
Zinc		15.0		**407**	500.0	0	81.4	75	125	01/31/2024

Batch 216527 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24010247-041CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**478**	500.0	0	95.7	463.4	3.17	01/31/2024
Boron		25.0		**545**	500.0	119.4	85.1	556.6	2.08	01/31/2024
Cadmium		1.0		**43.7**	50.00	0	87.3	44.19	1.20	01/31/2024
Chromium		1.5		**189**	200.0	15.79	86.4	186.3	1.26	01/31/2024
Iron		25.0		**1830**	2000	19.72	90.6	1790	2.30	01/31/2024
Lead		1.0		**443**	500.0	0	88.6	449.3	1.39	01/31/2024
Manganese		2.0		**437**	500.0	2.017	87.0	432.9	0.98	01/31/2024
Selenium		1.0		**430**	500.0	0	85.9	418.0	2.72	01/31/2024
Zinc		15.0		**415**	500.0	0	83.0	407.2	1.83	01/31/2024

Batch 217571 **SampType:** MBLK Units **µg/L**

SampID: MBLK-217571

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	01/23/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/23/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/24/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/23/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/29/2024
Lead		1.0	S	**5.0**	0.6000	0	830.6	-100	100	01/23/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/23/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	01/23/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	01/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217571 **SampType:** LCS Units µg/L
SampID: LCS-217571

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**476**	500.0	0	95.3	80	120	01/23/2024
Arsenic		1.0		**472**	500.0	0	94.4	80	120	01/23/2024
Boron		25.0		**445**	500.0	0	89.0	80	120	01/24/2024
Cadmium		1.0		**47.4**	50.00	0	94.8	80	120	01/23/2024
Chromium		1.5		**173**	200.0	0	86.7	80	120	01/29/2024
Lead		1.0	B	**461**	500.0	0	92.2	80	120	01/23/2024
Selenium		1.0		**456**	500.0	0	91.2	80	120	01/23/2024
Zinc		15.0		**441**	500.0	0	88.2	80	120	01/30/2024

Batch 217616 **SampType:** MBLK Units µg/L
SampID: MBLK-217616

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	01/23/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/23/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/23/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/23/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/23/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/23/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	01/23/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/23/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	01/23/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	01/30/2024

Batch 217616 **SampType:** LCS Units µg/L
SampID: LCS-217616

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**478**	500.0	0	95.6	80	120	01/23/2024
Arsenic		1.0		**475**	500.0	0	95.1	80	120	01/23/2024
Boron		25.0		**471**	500.0	0	94.1	80	120	01/23/2024
Cadmium		1.0		**46.9**	50.00	0	93.8	80	120	01/23/2024
Chromium		1.5		**182**	200.0	0	90.9	80	120	01/23/2024
Lead		1.0		**435**	500.0	0	86.9	80	120	01/23/2024
Manganese		2.0		**468**	500.0	0	93.6	80	120	01/23/2024
Selenium		1.0		**454**	500.0	0	90.7	80	120	01/23/2024
Vanadium		5.0		**447**	500.0	0	89.4	80	120	01/30/2024
Zinc		15.0		**451**	500.0	0	90.2	80	120	01/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217616 **SampType:** MS Units µg/L

SampID: 24010247-064CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**490**	500.0	0	97.9	75	125	01/23/2024
Arsenic		1.0		**476**	500.0	7.376	93.8	75	125	01/23/2024
Boron		25.0		**603**	500.0	164.5	87.6	75	125	01/23/2024
Cadmium		1.0		**46.4**	50.00	0	92.8	75	125	01/23/2024
Chromium		1.5		**170**	200.0	1.170	84.3	75	125	01/29/2024
Lead		1.0		**499**	500.0	2.350	99.4	75	125	01/23/2024
Selenium		1.0		**462**	500.0	0	92.3	75	125	01/23/2024
Vanadium		5.0		**441**	500.0	0	88.1	75	125	01/30/2024

Batch 217616 **SampType:** MSD Units µg/L RPD Limit **20**

SampID: 24010247-064CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**486**	500.0	0	97.2	489.7	0.72	01/23/2024
Arsenic		1.0		**474**	500.0	7.376	93.3	476.2	0.52	01/23/2024
Boron		25.0		**604**	500.0	164.5	87.9	602.7	0.20	01/23/2024
Cadmium		1.0		**45.1**	50.00	0	90.3	46.39	2.77	01/23/2024
Chromium		1.5		**175**	200.0	1.170	86.7	169.7	2.87	01/29/2024
Lead		1.0		**453**	500.0	2.350	90.1	499.1	9.75	01/23/2024
Selenium		1.0		**449**	500.0	0	89.9	461.5	2.67	01/23/2024
Vanadium		5.0		**436**	500.0	0	87.1	440.6	1.14	01/30/2024

Batch 217616 **SampType:** MS Units µg/L

SampID: 24011359-009CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**466**	500.0	0	93.1	75	125	01/23/2024
Lead		1.0		**457**	500.0	0	91.4	75	125	01/23/2024

Batch 217616 **SampType:** MSD Units µg/L RPD Limit **20**

SampID: 24011359-009CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**470**	500.0	0	94.0	465.7	0.90	01/23/2024
Lead		1.0		**433**	500.0	0	86.7	457.0	5.30	01/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217751 **SampType:** MBLK Units µg/L

SampID: MBLK-217751

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	01/30/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/31/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/30/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/30/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	01/30/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/30/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	01/30/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	01/30/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	01/30/2024

Batch 217751 **SampType:** LCS Units µg/L

SampID: LCS-217751

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**435**	500.0	0	87.0	80	120	01/30/2024
Boron		25.0		**436**	500.0	0	87.3	80	120	01/31/2024
Cadmium		1.0		**43.9**	50.00	0	87.9	80	120	01/30/2024
Chromium		1.5		**175**	200.0	0	87.5	80	120	01/30/2024
Iron		25.0		**1850**	2000	0	92.3	80	120	01/30/2024
Lead		1.0		**436**	500.0	0	87.2	80	120	01/30/2024
Manganese		2.0		**440**	500.0	0	87.9	80	120	01/30/2024
Vanadium		5.0		**447**	500.0	0	89.4	80	120	01/30/2024
Zinc		15.0		**452**	500.0	0	90.5	80	120	01/30/2024

Batch 217878 **SampType:** MBLK Units µg/L

SampID: MBLK-217878

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/01/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/01/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/01/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/05/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	02/01/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/01/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/01/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/01/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217878 **SampType:** LCS Units **µg/L**

SampID: LCS-217878

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**468**	500.0	0	93.6	80	120	02/01/2024
Boron		25.0		**433**	500.0	0	86.6	80	120	02/01/2024
Cadmium		1.0		**43.6**	50.00	0	87.2	80	120	02/01/2024
Chromium		1.5		**172**	200.0	0	85.8	80	120	02/05/2024
Iron		25.0		**1890**	2000	0	94.5	80	120	02/01/2024
Lead		1.0		**447**	500.0	0	89.3	80	120	02/01/2024
Manganese		2.0		**450**	500.0	0	90.0	80	120	02/01/2024
Selenium		1.0		**457**	500.0	0	91.5	80	120	02/01/2024
Zinc		15.0		**441**	500.0	0	88.2	80	120	02/01/2024

Batch 217953 **SampType:** MBLK Units **µg/L**

SampID: MBLK-217953

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/01/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/01/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/01/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/01/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/05/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	02/01/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/01/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/01/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/01/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/01/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217953 **SampType:** LCS Units **µg/L**

SampID: LCS-217953

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**423**	500.0	0	84.5	80	120	02/01/2024
Arsenic		1.0		**466**	500.0	0	93.2	80	120	02/01/2024
Boron		25.0		**423**	500.0	0	84.6	80	120	02/01/2024
Cadmium		1.0		**42.9**	50.00	0	85.9	80	120	02/01/2024
Chromium		1.5		**171**	200.0	0	85.4	80	120	02/05/2024
Iron		25.0		**1870**	2000	0	93.4	80	120	02/01/2024
Lead		1.0		**440**	500.0	0	88.0	80	120	02/01/2024
Manganese		2.0		**452**	500.0	0	90.3	80	120	02/01/2024
Selenium		1.0		**428**	500.0	0	85.7	80	120	02/01/2024
Vanadium		5.0		**419**	500.0	0	83.9	80	120	02/05/2024
Zinc		15.0		**432**	500.0	0	86.4	80	120	02/05/2024

Batch 217953 **SampType:** MS Units **µg/L**

SampID: 24010247-104CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**452**	500.0	0	90.5	75	125	02/05/2024
Boron		25.0		**523**	500.0	68.44	91.0	75	125	02/01/2024
Cadmium		1.0		**41.9**	50.00	0	83.7	75	125	02/01/2024
Chromium		1.5		**166**	200.0	1.185	82.6	75	125	02/05/2024
Iron		25.0		**1790**	2000	0	89.7	75	125	02/01/2024
Lead		1.0		**443**	500.0	0	88.5	75	125	02/01/2024
Manganese		2.0		**449**	500.0	0.7612	89.6	75	125	02/01/2024
Selenium		1.0		**433**	500.0	0	86.6	75	125	02/01/2024
Zinc		15.0		**439**	500.0	27.65	82.2	75	125	02/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217953 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24010247-104CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**465**	500.0	0	93.0	452.5	2.73	02/05/2024
Boron		25.0		**543**	500.0	68.44	95.0	523.2	3.75	02/01/2024
Cadmium		1.0		**41.8**	50.00	0	83.7	41.86	0.03	02/01/2024
Chromium		1.5		**153**	200.0	1.185	75.8	166.3	8.55	02/05/2024
Iron		25.0		**1870**	2000	0	93.5	1795	4.09	02/01/2024
Lead		1.0		**444**	500.0	0	88.9	442.7	0.39	02/01/2024
Manganese		2.0		**453**	500.0	0.7612	90.5	448.9	1.00	02/01/2024
Selenium		1.0		**433**	500.0	0	86.5	432.8	0.02	02/01/2024
Zinc		15.0		**446**	500.0	27.65	83.7	438.9	1.67	02/05/2024

Batch 218350 **SampType:** MBLK Units µg/L

SampID: MBLK-218350

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/07/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/09/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/09/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/09/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/07/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/09/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/09/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/09/2024

Batch 218350 **SampType:** LCS Units µg/L

SampID: LCS-218350

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**472**	500.0	0	94.5	80	120	02/07/2024
Arsenic		1.0		**493**	500.0	0	98.7	80	120	02/09/2024
Boron		25.0		**433**	500.0	0	86.6	80	120	02/09/2024
Chromium		1.5		**190**	200.0	0	94.8	80	120	02/09/2024
Lead		1.0		**524**	500.0	0	104.8	80	120	02/07/2024
Manganese		2.0		**477**	500.0	0	95.4	80	120	02/09/2024
Selenium		1.0		**490**	500.0	0	98.0	80	120	02/09/2024
Zinc		15.0		**472**	500.0	0	94.3	80	120	02/09/2024

Teklab, Inc.
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Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 218350 **SampType:** MS Units **µg/L**
SampID: 24020311-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**471**	500.0	0	94.1	75	125	02/09/2024
Arsenic		1.0		**498**	500.0	22.42	95.1	75	125	02/09/2024
Lead		1.0		**595**	500.0	0	119.0	75	125	02/07/2024
Selenium		1.0		**471**	500.0	0	94.2	75	125	02/09/2024

Batch 218350 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 24020311-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**478**	500.0	0	95.7	470.6	1.64	02/09/2024
Arsenic		1.0		**498**	500.0	22.42	95.1	497.8	0.06	02/09/2024
Lead		1.0		**559**	500.0	0	111.8	594.8	6.20	02/07/2024
Selenium		1.0		**478**	500.0	0	95.5	470.9	1.40	02/09/2024

Batch 218350 **SampType:** DUP Units **µg/L** RPD Limit **20**
SampID: 24010247-064CDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Zinc		15.0		**< 15.0**				0	0.00	02/09/2024

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

Batch 217484 **SampType:** MBLK Units **µg/L**
SampID: MBLK-217484

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	01/19/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/23/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	01/23/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/23/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/23/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	01/19/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/23/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	01/31/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/19/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	01/19/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217484 **SampType:** LCS Units µg/L

SampID: LCS-217484

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**456**	500.0	0	91.1	80	120	01/19/2024
Arsenic		1.0		**518**	500.0	0	103.7	80	120	01/23/2024
Barium		1.0		**2050**	2000	0	102.4	80	120	01/23/2024
Cadmium		1.0		**51.1**	50.00	0	102.2	80	120	01/23/2024
Chromium		1.5		**201**	200.0	0	100.5	80	120	01/23/2024
Cobalt		1.0		**465**	500.0	0	93.1	80	120	01/19/2024
Lead		1.0		**508**	500.0	0	101.5	80	120	01/23/2024
Molybdenum		1.5		**473**	500.0	0	94.6	80	120	01/31/2024
Selenium		1.0		**486**	500.0	0	97.2	80	120	01/19/2024
Thallium		2.0		**216**	250.0	0	86.5	80	120	01/19/2024

Batch 217566 **SampType:** MBLK Units µg/L

SampID: MBLK-217566

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	01/23/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/23/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	01/23/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	01/23/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/24/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/23/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/29/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	01/23/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/23/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	01/23/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	01/30/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/23/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	01/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217566 **SampType:** LCS Units µg/L

SampID: LCS-217566

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**522**	500.0	0	104.4	80	120	01/23/2024
Arsenic		1.0		**502**	500.0	0	100.4	80	120	01/23/2024
Barium		1.0		**2020**	2000	0	101.1	80	120	01/23/2024
Beryllium		1.0		**49.9**	50.00	0	99.7	80	120	01/23/2024
Boron		25.0		**489**	500.0	0	97.8	80	120	01/24/2024
Cadmium		1.0		**50.4**	50.00	0	100.7	80	120	01/23/2024
Chromium		1.5		**191**	200.0	0	95.6	80	120	01/29/2024
Cobalt		1.0		**484**	500.0	0	96.8	80	120	01/23/2024
Lead		1.0		**491**	500.0	0	98.1	80	120	01/23/2024
Lithium	*	3.0		**500**	500.0	0	100.0	80	120	01/23/2024
Molybdenum		1.5		**465**	500.0	0	93.0	80	120	01/30/2024
Selenium		1.0		**483**	500.0	0	96.6	80	120	01/23/2024
Thallium		2.0		**207**	250.0	0	82.8	80	120	01/23/2024

Batch 217595 **SampType:** MBLK Units µg/L

SampID: MBLK-217595

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	01/30/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/24/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	01/24/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	01/24/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/24/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/24/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	01/30/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/24/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	01/24/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	01/30/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/24/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	01/29/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217595 **SampType:** LCS Units µg/L

SampID: LCS-217595

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**542**	500.0	0	108.4	80	120	01/30/2024
Arsenic		1.0		**462**	500.0	0	92.3	80	120	01/24/2024
Barium		1.0		**2110**	2000	0	105.5	80	120	01/30/2024
Beryllium		1.0		**46.4**	50.00	0	92.8	80	120	01/24/2024
Boron		25.0		**456**	500.0	0	91.1	80	120	01/24/2024
Cadmium		1.0		**43.8**	50.00	0	87.7	80	120	01/24/2024
Chromium		1.5		**200**	200.0	0	100.1	80	120	01/29/2024
Cobalt		1.0		**455**	500.0	0	90.9	80	120	01/31/2024
Lead		1.0		**461**	500.0	0	92.2	80	120	01/24/2024
Lithium	*	3.0		**462**	500.0	0	92.3	80	120	01/24/2024
Molybdenum		1.5		**495**	500.0	0	99.0	80	120	01/30/2024
Selenium		1.0		**432**	500.0	0	86.5	80	120	01/24/2024
Thallium		2.0		**250**	250.0	0	100.2	80	120	01/29/2024

Batch 217595 **SampType:** MS Units µg/L

SampID: 24010247-019BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**540**	500.0	0	108.0	75	125	01/30/2024
Arsenic		1.0		**506**	500.0	28.09	95.6	75	125	01/24/2024
Barium		1.0		**2720**	2000	618.6	105.0	75	125	01/30/2024
Beryllium		1.0		**47.4**	50.00	0	94.8	75	125	01/24/2024
Boron		25.0		**569**	500.0	126.1	88.6	75	125	01/24/2024
Cadmium		1.0		**43.3**	50.00	0	86.7	75	125	01/24/2024
Chromium		1.5		**204**	200.0	5.279	99.6	75	125	01/29/2024
Cobalt		1.0		**469**	500.0	1.651	93.5	75	125	02/01/2024
Lead		1.0		**479**	500.0	2.253	95.4	75	125	01/24/2024
Lithium	*	3.0		**453**	500.0	7.573	89.1	75	125	01/24/2024
Molybdenum		1.5		**510**	500.0	5.349	100.9	75	125	01/30/2024
Selenium		1.0		**441**	500.0	0	88.1	75	125	01/24/2024
Thallium		2.0		**209**	250.0	0	83.4	75	125	01/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217595 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24010247-019BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**557**	500.0	0	111.5	540.1	3.15	01/30/2024
Arsenic		1.0		**529**	500.0	28.09	100.1	506.2	4.35	01/24/2024
Barium		1.0		**2800**	2000	618.6	109.3	2720	3.08	01/30/2024
Beryllium		1.0		**49.4**	50.00	0	98.7	47.42	3.99	01/24/2024
Boron		25.0		**600**	500.0	126.1	94.8	569.2	5.29	01/24/2024
Cadmium		1.0		**44.3**	50.00	0	88.6	43.35	2.16	01/24/2024
Chromium		1.5		**206**	200.0	5.279	100.3	204.4	0.69	01/29/2024
Cobalt		1.0		**457**	500.0	1.651	91.1	469.3	2.58	02/01/2024
Lead		1.0		**499**	500.0	2.253	99.4	479.0	4.09	01/24/2024
Lithium	*	3.0		**471**	500.0	7.573	92.7	453.3	3.86	01/24/2024
Molybdenum		1.5		**546**	500.0	5.349	108.1	509.6	6.86	01/30/2024
Selenium		1.0		**455**	500.0	0	90.9	440.6	3.15	01/24/2024
Thallium		2.0		**229**	250.0	0	91.5	208.5	9.26	01/30/2024

Batch 217740 **SampType:** MBLK Units µg/L

SampID: MBLK-217740

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	01/31/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/31/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	01/31/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	01/31/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/31/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/31/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/31/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	01/31/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/31/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	01/31/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	01/31/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/31/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	01/31/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217740 **SampType:** LCS Units µg/L

SampID: LCS-217740

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**510**	500.0	0	102.0	80	120	01/31/2024
Arsenic		1.0		**511**	500.0	0	102.1	80	120	01/31/2024
Barium		1.0		**1940**	2000	0	97.2	80	120	01/31/2024
Beryllium		1.0		**52.1**	50.00	0	104.2	80	120	01/31/2024
Boron		25.0		**505**	500.0	0	101.0	80	120	01/31/2024
Cadmium		1.0		**49.0**	50.00	0	97.9	80	120	01/31/2024
Chromium		1.5		**204**	200.0	0	101.8	80	120	01/31/2024
Cobalt		1.0		**485**	500.0	0	96.9	80	120	01/31/2024
Lead		1.0		**477**	500.0	0	95.3	80	120	01/31/2024
Lithium	*	3.0		**512**	500.0	0	102.4	80	120	01/31/2024
Molybdenum		1.5		**476**	500.0	0	95.2	80	120	01/31/2024
Selenium		1.0		**468**	500.0	0	93.7	80	120	01/31/2024
Thallium		2.0		**208**	250.0	0	83.2	80	120	01/31/2024

Batch 217740 **SampType:** MS Units µg/L

SampID: 24010247-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**499**	500.0	0.8872	99.5	75	125	01/31/2024
Arsenic		1.0		**518**	500.0	1.774	103.3	75	125	01/31/2024
Barium		1.0		**2260**	2000	317.6	97.3	75	125	01/31/2024
Beryllium		1.0		**52.8**	50.00	0	105.6	75	125	01/31/2024
Boron		25.0		**604**	500.0	89.05	103.0	75	125	01/31/2024
Cadmium		1.0		**47.4**	50.00	0	94.8	75	125	01/31/2024
Chromium		1.5		**184**	200.0	3.135	90.4	75	125	01/31/2024
Cobalt		1.0		**453**	500.0	0.1918	90.6	75	125	01/31/2024
Lead		1.0		**473**	500.0	0	94.6	75	125	01/31/2024
Lithium	*	3.0		**505**	500.0	4.168	100.1	75	125	01/31/2024
Molybdenum		1.5		**452**	500.0	10.14	88.4	75	125	02/05/2024
Selenium		1.0		**492**	500.0	0	98.4	75	125	01/31/2024
Thallium		2.0		**218**	250.0	0	87.1	75	125	02/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217740 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24010247-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**487**	500.0	0.8872	97.3	498.5	2.25	02/01/2024
Arsenic		1.0		**518**	500.0	1.774	103.2	518.4	0.08	02/01/2024
Barium		1.0		**2260**	2000	317.6	96.9	2264	0.34	02/01/2024
Beryllium		1.0		**53.2**	50.00	0	106.4	52.81	0.74	02/01/2024
Boron		25.0		**573**	500.0	89.05	96.9	604.1	5.20	02/01/2024
Cadmium		1.0		**46.3**	50.00	0	92.5	47.42	2.47	02/01/2024
Chromium		1.5		**186**	200.0	3.135	91.6	183.9	1.27	02/01/2024
Cobalt		1.0		**459**	500.0	0.1918	91.8	453.1	1.33	02/01/2024
Lead		1.0		**488**	500.0	0	97.6	473.1	3.14	02/01/2024
Lithium	*	3.0		**502**	500.0	4.168	99.6	504.8	0.55	02/01/2024
Molybdenum		1.5		**439**	500.0	10.14	85.9	452.2	2.88	02/05/2024
Selenium		1.0		**491**	500.0	0	98.2	492.2	0.24	02/01/2024
Thallium		2.0		**243**	250.0	0	97.3	217.7	11.10	02/01/2024

Batch 217822 **SampType:** MBLK Units µg/L

SampID: MBLK-217822

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	01/30/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/30/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	01/30/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	01/30/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/31/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/30/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/30/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	01/30/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/30/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	01/31/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	01/30/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/30/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	01/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217822 **SampType:** LCS Units µg/L
SampID: LCS-217822

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**500**	500.0	0	99.9	80	120	01/30/2024
Arsenic		1.0		**511**	500.0	0	102.2	80	120	01/30/2024
Barium		1.0		**1940**	2000	0	97.1	80	120	01/30/2024
Beryllium		1.0		**46.9**	50.00	0	93.9	80	120	01/30/2024
Boron		25.0		**485**	500.0	0	96.9	80	120	01/31/2024
Cadmium		1.0		**47.4**	50.00	0	94.7	80	120	01/30/2024
Chromium		1.5		**192**	200.0	0	95.9	80	120	01/30/2024
Cobalt		1.0		**471**	500.0	0	94.1	80	120	01/30/2024
Lead		1.0		**479**	500.0	0	95.7	80	120	01/30/2024
Lithium	*	3.0		**473**	500.0	0	94.5	80	120	01/31/2024
Molybdenum		1.5		**468**	500.0	0	93.6	80	120	01/30/2024
Selenium		1.0		**478**	500.0	0	95.6	80	120	01/30/2024
Thallium		2.0		**222**	250.0	0	88.7	80	120	01/30/2024

Batch 217822 **SampType:** MS Units µg/L
SampID: 24010247-092CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**649**	500.0	181.8	93.5	75	125	01/31/2024

Batch 217822 **SampType:** MSD Units µg/L RPD Limit **20**
SampID: 24010247-092CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		25.0		**654**	500.0	181.8	94.4	649.2	0.67	01/31/2024

Batch 217877 **SampType:** MBLK Units µg/L
SampID: MBLK-217877

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/01/2024

Batch 217877 **SampType:** LCS Units µg/L
SampID: LCS-217877

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**500**	500.0	0	100.0	80	120	02/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217908 **SampType:** MBLK Units µg/L

SampID: MBLK-217908

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/01/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/01/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/01/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/01/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/01/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/01/2024
Chromium		1.5	S	**2.3**	0.7000	0	321.8	-100	100	02/05/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/01/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/01/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	02/01/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/05/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/01/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/01/2024

Batch 217908 **SampType:** LCS Units µg/L

SampID: LCS-217908

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**478**	500.0	0	95.6	80	120	02/01/2024
Arsenic		1.0		**521**	500.0	0	104.2	80	120	02/01/2024
Barium		1.0		**1890**	2000	0	94.4	80	120	02/01/2024
Beryllium		1.0		**50.7**	50.00	0	101.4	80	120	02/01/2024
Boron		25.0		**477**	500.0	0	95.4	80	120	02/01/2024
Cadmium		1.0		**46.2**	50.00	0	92.5	80	120	02/01/2024
Chromium		1.5	B	**186**	200.0	0	92.9	80	120	02/05/2024
Cobalt		1.0		**502**	500.0	0	100.5	80	120	02/01/2024
Lead		1.0		**462**	500.0	0	92.4	80	120	02/01/2024
Lithium	*	3.0		**494**	500.0	0	98.7	80	120	02/01/2024
Molybdenum		1.5		**422**	500.0	0	84.3	80	120	02/05/2024
Selenium		1.0		**476**	500.0	0	95.2	80	120	02/01/2024
Thallium		2.0		**223**	250.0	0	89.3	80	120	02/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217908 **SampType:** MS Units **µg/L**

SampID: 24010247-107CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**494**	500.0	0	98.9	75	125	02/01/2024
Arsenic		1.0		**510**	500.0	0	102.1	75	125	02/01/2024
Barium		1.0		**1900**	2000	0	95.2	75	125	02/01/2024
Beryllium		1.0		**48.6**	50.00	0	97.1	75	125	02/01/2024
Boron		25.0		**445**	500.0	0	88.9	75	125	02/01/2024
Cadmium		1.0		**46.9**	50.00	0	93.9	75	125	02/01/2024
Chromium		1.5	B	**227**	200.0	0.8026	113.1	75	125	02/05/2024
Cobalt		1.0		**483**	500.0	0	96.7	75	125	02/01/2024
Lead		1.0		**460**	500.0	0	92.1	75	125	02/01/2024
Lithium	*	3.0		**467**	500.0	0	93.3	75	125	02/01/2024
Molybdenum		1.5		**445**	500.0	0	89.0	75	125	02/06/2024
Selenium		1.0		**483**	500.0	0	96.7	75	125	02/01/2024
Thallium		2.0		**233**	250.0	0	93.1	75	125	02/01/2024

Batch 217908 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24010247-107CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**482**	500.0	0	96.4	494.4	2.50	02/01/2024
Arsenic		1.0		**510**	500.0	0	102.1	510.4	0.02	02/01/2024
Barium		1.0		**1920**	2000	0	95.8	1904	0.62	02/01/2024
Beryllium		1.0		**48.5**	50.00	0	97.0	48.55	0.16	02/01/2024
Boron		25.0		**450**	500.0	0	90.0	444.6	1.23	02/01/2024
Cadmium		1.0		**47.3**	50.00	0	94.5	46.94	0.68	02/01/2024
Chromium		1.5	B	**229**	200.0	0.8026	114.1	226.9	0.92	02/05/2024
Cobalt		1.0		**475**	500.0	0	95.0	483.5	1.75	02/01/2024
Lead		1.0		**471**	500.0	0	94.1	460.5	2.21	02/01/2024
Lithium	*	3.0		**469**	500.0	0	93.9	466.6	0.62	02/01/2024
Molybdenum		1.5		**456**	500.0	0	91.3	445.2	2.47	02/06/2024
Selenium		1.0		**480**	500.0	0	96.0	483.3	0.73	02/01/2024
Thallium		2.0		**242**	250.0	0	96.6	232.7	3.76	02/01/2024

Batch 218352 **SampType:** MBLK Units **µg/L**

SampID: MBLK-218352

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 218352 **SampType:** LCS Units µg/L
SampID: LCS-218352

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		1.0		**2020**	2000	0	100.9	80	120	02/08/2024

SW-846 7470A (DISSOLVED)

Batch 217574 **SampType:** MS Units µg/L
SampID: 24010247-055CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.77**	5.000	0	95.4	75	125	01/19/2024

Batch 217574 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24010247-055CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.69**	5.000	0	93.7	4.769	1.78	01/19/2024

Batch 217610 **SampType:** MS Units µg/L
SampID: 24010247-060DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.34**	5.000	0	106.8	75	125	01/23/2024

Batch 217610 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24010247-060DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.22**	5.000	0	104.4	5.342	2.28	01/23/2024

Batch 217610 **SampType:** MS Units µg/L
SampID: 24011359-004CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.99**	5.000	0	99.9	75	125	01/23/2024

Batch 217610 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24011359-004CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.20**	5.000	0	104.0	4.994	4.05	01/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 7470A (DISSOLVED)

Batch 217823 **SampType:** MBLK Units µg/L
SampID: MBLK-217823

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	01/26/2024

Batch 217823 **SampType:** LCS Units µg/L
SampID: LCS-217823

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.41**	5.000	0	88.2	85	115	01/26/2024

Batch 217823 **SampType:** MS Units µg/L
SampID: 24010247-043CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.09**	5.000	0	81.7	75	125	01/26/2024

Batch 217823 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24010247-043CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.08**	5.000	0	81.6	4.087	0.23	01/26/2024

Batch 217823 **SampType:** MS Units µg/L
SampID: 24010247-101CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.06**	5.000	0	101.1	75	125	01/26/2024

Batch 217823 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24010247-101CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.13**	5.000	0	102.6	5.056	1.49	01/26/2024

Batch 217883 **SampType:** MBLK Units µg/L
SampID: MBLK-217883

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	01/29/2024

Batch 217883 **SampType:** LCS Units µg/L
SampID: LCS-217883

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.34**	5.000	0	86.7	85	115	01/29/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 7470A (DISSOLVED)

Batch 217883 **SampType:** MS Units µg/L
SampID: 24010247-045CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.19**	5.000	0	103.8	75	125	01/29/2024

Batch 217883 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24010247-045CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.13**	5.000	0	102.6	5.190	1.20	01/29/2024

Batch 217927 **SampType:** MBLK Units µg/L
SampID: MBLK-217927

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	01/29/2024

Batch 217927 **SampType:** LCS Units µg/L
SampID: LCS-217927

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.07**	5.000	0	101.4	85	115	01/29/2024

Batch 217927 **SampType:** MS Units µg/L
SampID: 24011814-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.50**	5.000	0	90.1	75	125	01/30/2024

Batch 217927 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24011814-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.46**	5.000	0	89.1	4.504	1.05	01/30/2024

SW-846 7470A (TOTAL)

Batch 217502 **SampType:** MBLK Units µg/L
SampID: MBLK-217502

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	01/18/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 7470A (TOTAL)

Batch 217502 **SampType:** LCS Units µg/L
SampID: LCS-217502

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.28**	5.000	0	85.7	85	115	01/18/2024

Batch 217502 **SampType:** MS Units µg/L
SampID: 24010247-094BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20	S	**6.49**	5.000	3.366	62.5	75	125	01/18/2024

Batch 217502 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24010247-094BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**7.48**	5.000	3.366	82.2	6.493	14.11	01/18/2024

Batch 217574 **SampType:** MBLK Units µg/L
SampID: MBLK-217574

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	01/19/2024

Batch 217574 **SampType:** LCS Units µg/L
SampID: LCS-217574

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.55**	5.000	0	90.9	85	115	01/19/2024

Batch 217610 **SampType:** MBLK Units µg/L
SampID: MBLK-217610

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	01/23/2024

Batch 217610 **SampType:** LCS Units µg/L
SampID: LCS-217610

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.09**	5.000	0	101.8	85	115	01/23/2024

Batch 217744 **SampType:** MBLK Units µg/L
SampID: MBLK-217744

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	01/24/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 7470A (TOTAL)

Batch 217744 **SampType:** LCS Units **µg/L**
SampID: LCS-217744

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.15**	5.000	0	103.1	85	115	01/24/2024

Batch 217744 **SampType:** MS Units **µg/L**
SampID: 24010247-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.96**	5.000	0.1422	96.4	75	125	01/24/2024

Batch 217744 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24010247-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.93**	5.000	0.1422	95.8	4.961	0.57	01/24/2024

Batch 217927 **SampType:** MS Units **µg/L**
SampID: 24010247-107CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.03**	5.000	0	80.6	75	125	01/30/2024

Batch 217927 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24010247-107CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.59**	5.000	0	91.8	4.029	13.06	01/30/2024

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Client Project: NEW-24Q1

Work Order: 24010247
Report Date: 20-Feb-24

Carrier: Tracy Carroll

Received By: MEK

Completed by: Amber Dilallo
On: 17-Jan-24

Reviewed by: Ellie Hopkins
On: 26-Jan-24

Pages to follow: Chain of custody 25 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 5.1
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

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

Additional Nitric Acid (94914) was needed in APW12, G202 and XPW01 Pore upon arrival at the laboratory. - amberdilallo - 1/17/2024 1:06:06 PM

pH strip #90719. - amberdilallo - 1/17/2024 1:06:26 PM

Samples received 1/18/24 at 0915 (on ice - 3.9C -LTG 7). pH strip #90719. Additional Nitric Acid (94914) was needed in APW16, G203, G221, and G222 upon arrival at the laboratory. - amberdilallo - 1/18/2024 1:03:24 PM

Samples received 1/19/24 at 1300 (on ice - 3.7C - LTG 5). pH strip #89660/90719. Additional Nitric Acid (94914) was needed in APW15, G220, G233 and APW02 Duplicate upon arrival at the laboratory. - amberdilallo - 1/18/2024 1:03:24 PM

Samples received 1/23/24 at 1700 (on ice - 3.1C - LTG 5). pH strip #89660/90719. Additional Nitric Acid (94914) was needed in G223 upon arrival at the laboratory. - amberdilallo - 1/18/2024 1:03:24 PM

Samples received 1/24/24 at 1705 (on ice - 8.7C - LTG 5). pH strip #89660/90719. Additional Nitric Acid (94914) was needed in A214, A215, G125, G130, G133, G139, G217S, R217D and A213 Duplicate upon arrival at the laboratory. Additional Sodium Hydroxide (95443) was needed in G125, G130, G133, G217S and R217D upon arrival at the laboratory. Additional Sulfuric Acid (94915) was needed in G130 and G141 upon arrival at the laboratory. - amberdilallo - 1/25/2024 8:52:53 AM

Samples received 1/25/24 at 1815 (on ice - 1.1C - LTG 5). pH strip #89660/90719. Additional Nitric Acid (94914) was needed in G105, G006D, G106, G128, G006D Duplicate and G104 Duplicate upon arrival at the laboratory. Additional Sodium Hydroxide (95443) was needed in G106 upon arrival at the laboratory. - amberdilallo - 1/26/2024 9:34:35 AM

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

Samples received 1/26/24 at 1300 (on ice - 5.5C - LTG 5). pH strip #89660/90719. Additional Nitric Acid (94914) was needed in L1R-leachate and Field Blank upon arrival at the laboratory.- amberdilallo - 1/26/2024 1:52:10 PM

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ NEW-257-501	NEW-257-502	NEW-844-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A207						0												X				24010247-001
2	A213						5	2	1	1		1											24010247-002
3	A214						5	2	1	1		1											24010247-003
4	A215						5	2	1	1		1											24010247-004
5	APW02						4	2		2						X				X	X		24010247-005
6	APW03						4	2		2						X				X	X		24010247-006
7	APW04						4	2		2						X				X	X		24010247-007
8	APW05			1/16/24	1332		2	1		1						X				X			24010247-008
9	APW05S						2	1		1						X				X			24010247-009
10	APW06						2	1		1						X				X			24010247-010
11	APW07						2	1		1						X				X			24010247-011
12	APW08						2	1		1						X				X			24010247-012
13	APW09						2	1		1						X				X			24010247-013
14	APW10				~~1037~~		2	1		1						X				X			24010247-014
15	APW11			1/16/24	1037		2	1		1						X				X			24010247-015
16	APW12			1/16/24	1330		2	1		1						X				X			24010247-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q1 Rev 0	Terry Carroll	1-17-24	1245	Mary Kump	1/17/24	1245	5.1	Y	N	Y
							LR.5			

Added HNO_3 (94914) to APW12, G202, & XPW01 pore. un 1/17
PH✓: 90719

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Terry Carroll	DATE Signed (MM/DD/YY): 1/16/24				
SIGNATURE of SAMPLER:	Terry Carroll					

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

SAMPLE ID

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW13						2	1		1						X				X			24010247-017
2	APW14						2	1		1						X				X			24010247-018
3	APW15						2	1		1						X				X			24010247-019
4	APW16						2	1		1						X				X			24010247-020
5	APW17						2	1		1						X				X			24010247-021
6	APW18			1/16/24	1445		2	1		1						X				X			24010247-022
7	G006D						2	1		1							X						24010247-023
8	G048MG						2	1		1							X						24010247-024
9	G104						5	2	1	1		1							X				24010247-025
10	G104S						0												X				24010247-026
11	G104D						0												X				24010247-027
12	G105						5	2	1	1		1							X				24010247-028
13	G106						5	2	1	1		1							X				24010247-029
14	G109						0												X				24010247-030
15	G111						0												X				24010247-031
16	G112						0												X				24010247-032

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Conrad	1-17-24	1245	Mary Hoop	1/17/24	1245	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Tracy Conrad	DATE Signed (MM/DD/YY):	1/16/24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	Tracy Conrad						

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202			1-17-24	1007		2	1		1								X						24010247-049
2	G203						2	1		1								X						24010247-050
3	G208						2	1		1								X	X					24010247-051
4	G217S						5	2	1	1		1							X						24010247-052
5	G218						0												X						24010247-053
6	G220						2	1		1								X	X					24010247-054
7	G221						5	2	1	1		1							X						24010247-055
8	G222						2	1		1								X	X					24010247-056
9	G223						2	1		1								X	X					24010247-057
10	G224						2	1		1								X	X					24010247-058
11	G225						5	2	1	1		1							X						24010247-059
12	G230						6	2	1	2		1						X	X					24010247-060
13	G231						6	2	1	2		1						X	X					24010247-061
14	G232						6	2	1	2		1						X	X					24010247-062
15	G233						6	2	1	2		1						X	X					24010247-063
16	G234						5	2	1	1		1							X						24010247-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Gdp	1-17-24	1245	Mary Kemp	1/17/24	1245	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JUSTIN GDP

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-17-24

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

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	M26-3						0													X				24010247-081
2	M26-4						0													X				24010247-082
3	M26-5						0													X				24010247-083
4	M26-6						0													X				24010247-084
5	M26-7						0													X				24010247-085
6	MW31S						0													X				24010247-086
7	MW33S						0													X				24010247-087
8	MW35S						0													X				24010247-088
9	MW36S						0													X				24010247-089
10	MW48S						0													X				24010247-090
11	R216						0													X				24010247-091
12	R217D						6	2	1	2		1					X	X						24010247-092
13	R219						5	2	1	1		1						X						24010247-093
14	XPW01-pore			1/16/24	1421		2	1		1							X				X			24010247-094
15	XPW02-pore			1/16/24	1325		2	1		1							X				X			24010247-095
16	XPW03-pore			1/16/24	1313		2	1		1							X				X			24010247-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Cardell	1-17-24	1245	Mary Kay	1/17/24	1245	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Tracy Cardell				
SIGNATURE of SAMPLER:	Tracy Cardell	DATE Signed (MM/DD/YY):	1/16/24	Temp in °C	Received on Ice (Y/N) / Custody Sealed Cooler (Y/N) / Samples Intact (Y/N)

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER

UST | RCRA | OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ / Requested Analysis Filtered (Y/N): NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501							Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore			1/16/24	1123		2	1		1						X				X								24010247-097
2	XSG01						0									X				X								24010247-098
3	YSG02						0									X				X								24010247-099
4	Field Blank						6	2	1	2		1				X	X	X	X	X	X								24010247-100
5	A213 Duplicate						5	2	1	1		1						X											24010247-101
6	APW02 Duplicate						4	2		2						X				X	X								24010247-102
7	G006D Duplicate						2	1		1							X												24010247-103
8	G104 Duplicate						5	2	1	1		1							X										24010247-104
9																													
10																													
11																													
12																													
13																													
14																													
15																													
16																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Carroll	1-17-24	1645	Mary Kemp	1/17/24	1245	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll

DATE Signed (MM/DD/YY): 1/16/24

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

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St, Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911 Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com; Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW13			1/17/24	1334		2	1		1							X				X			24010247-017
2	APW14			1/17/24	1427		2	1		1							X				X			24010247-018
3	APW15						2	1		1							X				X			24010247-019
4	APW16			1/17/24	1206		2	1		1							X				X			24010247-020
5	APW17			1/17/24	1025		2	1		1							X				X			24010247-021
6	APW18						2	1		1							X				X			24010247-022
7	G006D						2	1		1								X						24010247-023
8	G048MG						2	1		1								X						24010247-024
9	G104						5	2	1	1		1								X				24010247-025
10	G104S						0													X				24010247-026
11	G104D						0													X				24010247-027
12	G105						5	2	1	1		1								X				24010247-028
13	G106						5	2	1	1		1								X				24010247-029
14	G109						0													X				24010247-030
15	G111						0													X				24010247-031
16	G112						0													X				24010247-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q1 Rev 0	Tracy Carroll	1/18/24	915	FB / TekLab	1.18.24	915				
	FB / TekLab	1.18.24	1140	Nick Reed	1/18/24	1140	0.7	Yes	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll

DATE Signed (MM/DD/YY): 1/17/24

LTG#7 Added HNO_3 (94194) 90719/89680 to sample APW16, G203, G221, G222

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202						2	1		1							X						24010247-049
2	G203			1/17/24	1124		2	1		1							X						24010247-050
3	G208						2	1		1							X	X					24010247-051
4	G217S						5	2	1	1		1						X					24010247-052
5	G218						0											X					24010247-053
6	G220						2	1		1							X	X					24010247-054
7	G221			1/17/24	1304		5	2	1	1		1						X					24010247-055
8	G222			1/17/24	1333		2	1		1							X	X					24010247-056
9	G223						2	1		1							X	X					24010247-057
10	G224						2	1		1							X	X					24010247-058
11	G225						5	2	1	1		1						X					24010247-059
12	G230						6	2	1	2		1					X	X					24010247-060
13	G231						6	2	1	2		1					X	X					24010247-061
14	G232						6	2	1	2		1					X	X					24010247-062
15	G233						6	2	1	2		1					X	X					24010247-063
16	G234						5	2	1	1		1						X					24010247-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Carroll	1/18/24	915	FB / TekLab	1.18.24	915	
	FB / TekLab	1.18.24	1140	Trish Reed	1/18/24	1140	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll

DATE Signed (MM/DD/YY): 1/17/24

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

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St, Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911
Fax:	
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com; Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

Section D Required Client Information — Valid Matrix Codes: MATRIX: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A207						0													X				24010247-001
2	A213						5	2	1	1		1							X					24010247-002
3	A214						5	2	1	1		1							X					24010247-003
4	A215						5	2	1	1		1							X					24010247-004
5	APW02			1/18/24	1335		4	2		2							X				X	X		24010247-005
6	APW03						4	2		2							X				X	X		24010247-006
7	APW04						4	2		2							X				X	X		24010247-007
8	APW05						2	1		1							X				X			24010247-008
9	APW05S						2	1		1							X				X			24010247-009
10	APW06						2	1		1							X				X			24010247-010
11	APW07						2	1		1							X				X			24010247-011
12	APW08			1/18/24	1121		2	1		1							X				X			24010247-012
13	APW09						2	1		1							X				X			24010247-013
14	APW10						2	1		1							X				X			24010247-014
15	APW11						2	1		1							X				X			24010247-015
16	APW12						2	1		1							X				X			24010247-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q1 Rev 0	Brett Gilliken	1-19-24	13:00	[signature]	1/19/24	1300	3.7 / 1305	Y	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gilliken

SIGNATURE of SAMPLER: Brett Gilliken   DATE Signed (MM/DD/YY): 1-19-24

Added HNO3 (94914) TO APW15, G220, G233 & APW02 Dup.
pH 8966/90719 Gm 1/19/24

Confidential

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Requested Analysis Filtered (Y/N)

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW13						2	1		1						X				X			24010247-017
2	APW14						2	1		1						X				X			24010247-018
3	APW15			1/18/24	1014		2	1		1						X				X			24010247-019
4	APW16						2	1		1						X				X			24010247-020
5	APW17						2	1		1						X				X			24010247-021
6	APW18						2	1		1						X				X			24010247-022
7	G006D						2	1		1							X						24010247-023
8	G048MG						2	1		1							X						24010247-024
9	G104						5	2	1	1		1							X				24010247-025
10	G104S						0												X				24010247-026
11	G104D						0												X				24010247-027
12	G105						5	2	1	1		1							X				24010247-028
13	G106						5	2	1	1		1							X				24010247-029
14	G109						0												X				24010247-030
15	G111						0												X				24010247-031
16	G112						0												X				24010247-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Brett Gillihan	1-19-24	1300	[illegible]	1/19/24	1300	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: Brett Gillihan

DATE Signed (MM/DD/YY): 1-19-24

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

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER

UST | RCRA | OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202						2	1		1							X						24010247-049
2	G203						2	1		1							X						24010247-050
3	G208						2	1		1							X						24010247-051
4	G217S						5	2	1	1		1											24010247-052
5	G218						0																24010247-053
6	G220			1/18/24	1419		2	1		1							X						24010247-054
7	G221						5	2	1	1		1											24010247-055
8	G222						2	1		1							X						24010247-056
9	G223						2	1		1							X						24010247-057
10	G224						2	1		1							X						24010247-058
11	G225						5	2	1	1		1											24010247-059
12	G230			1/18/24	1101		6	2	1	2		1					X						24010247-060
13	G231			1/19/24	1126		6	2	1	2		1					X						24010247-061
14	G232			1/18/24	1154		6	2	1	2		1					X						24010247-062
15	G233			1/19/24	1232		6	2	1	2		1					X						24010247-063
16	G234			1/19/24	1301		5	2	1	1		1											24010247-064

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Brett Gilliham	1-19-24	13:00	[illegible]	1/19/24	1500	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Brett Gilliham					
SIGNATURE of SAMPLER:	Brett Gilliham	DATE Signed (MM/DD/YY): 1-19-24				

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER

UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501							Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore						2	1		1							X				X								24010247-097
2	XSG01						0										X				X								24010247-098
3	YSG02						0										X				X								24010247-099
4	Field Blank						6	2	1	2		1					X	X	X	X	X	X							24010247-100
5	A213 Duplicate						5	2	1	1		1							X										24010247-101
6	APW02 Duplicate			1/18/24	1335		4	2		2							X				X	X							24010247-102
7	G006D Duplicate						2	1		1								X											24010247-103
8	G104 Duplicate						5	2	1	1		1								X									24010247-104
9																													
10																													
11																													
12																													
13																													
14																													
15																													
16																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Brett Gillaspie	1-19-24	13:30	Samantha Davies	1/19/24	1300	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillaspie

SIGNATURE of SAMPLER: Brett Gillaspie

DATE Signed (MM/DD/YY): 1-19-24

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

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

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

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A207						0													X				24010247-001
2	A213						5	2	1	1		1							X					24010247-002
3	A214						5	2	1	1		1							X					24010247-003
4	A215						5	2	1	1		1							X					24010247-004
5	APW02						4	2		2							X				X	X		24010247-005
6	APW03			1-23-24	1304		4	2		2							X				X	X		24010247-006
7	APW04			1-23-24	1352		4	2		2							X				X	X		24010247-007
8	APW05						2	1		1							X				X			24010247-008
9	APW05S			1-23-24	0924		2	1		1							X				X			24010247-009
10	APW06			"	1004		2	1		1							X				X			24010247-010
11	APW07			↓	1129		2	1		1							X				X			24010247-011
12	APW08						2	1		1							X				X			24010247-012
13	APW09			1-23-24	1223		2	1		1							X				X			24010247-013
14	APW10			1-23-24	1439		2	1		1							X				X			24010247-014
15	APW11						2	1		1							X				X			24010247-015
16	APW12						2	1		1							X				X			24010247-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Colp	1-23	1700		1/23/24	1700	3.1	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Justin Colp
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-23-24

PHV 90719 + 89660
added 1 pump 94914 to G223
DS 1/29

LTG 5 DS 1/24

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202							2	1		1								X							24010247-049
2	G203							2	1		1								X							24010247-050
3	G208							2	1		1								X	X						24010247-051
4	G217S							5	2	1	1		1							X						24010247-052
5	G218							0												X						24010247-053
6	G220							2	1		1								X	X						24010247-054
7	G221							5	2	1	1		1							X						24010247-055
8	G222							2	1		1								X	X						24010247-056
9	G223				1-23-24	1359		2	1		1								X	X						24010247-057
10	G224				↓	1449		2	1		1								X	X						24010247-058
11	G225				↓	1303		5	2	1	1		1							X						24010247-059
12	G230							6	2	1	2		1							X	X					24010247-060
13	G231							6	2	1	2		1							X	X					24010247-061
14	G232							6	2	1	2		1							X	X					24010247-062
15	G233							6	2	1	2		1							X	X					24010247-063
16	G234							5	2	1	1		1							X						24010247-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J Colp	1-23	1700	[signature]	1/23/24	1700	5.1

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 1-23-24				

LTG 5

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501							Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore						2	1		1							X				X								24010247-097
2	XSG01						0										X				X								24010247-098
3	YSG02						0										X				X								24010247-099
4	Field Blank						6	2	1	2		1					X	X	X	X	X	X							24010247-100
5	A213 Duplicate						5	2	1	1		1							X										24010247-101
6	APW02 Duplicate						4	2		2							X				X	X							24010247-102
7	G006D Duplicate						2	1		1								X											24010247-103
8	G104 Duplicate						5	2	1	1		1								X									24010247-104
9	#1 EB Blank			1-23-24	1521																								-105
10																													
11																													
12																													
13																													
14																													
15																													
16																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Colp	1-23	1700		1/23/24	1700	3.1			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 1-23-24

LTG 5

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ / Requested Analysis Filtered (Y/N): NEW-257-501	NEW-257-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A207						0											X				24010247-001
2	A213			1-24-24	0935		5	2	1	1		1										24010247-002
3	A214			1-24-24	1014		5	2	1	1		1										24010247-003
4	A215			1-24-24	1138		5	2	1	1		1										24010247-004
5	APW02						4	2		2						X			X	X		24010247-005
6	APW03						4	2		2						X			X	X		24010247-006
7	APW04						4	2		2						X			X	X		24010247-007
8	APW05						2	1		1						X			X			24010247-008
9	APW05S						2	1		1						X			X			24010247-009
10	APW06						2	1		1						X			X			24010247-010
11	APW07						2	1		1						X			X			24010247-011
12	APW08						2	1		1						X			X			24010247-012
13	APW09						2	1		1						X			X			24010247-013
14	APW10						2	1		1						X			X			24010247-014
15	APW11						2	1		1						X			X			24010247-015
16	APW12						2	1		1						X			X			24010247-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Colp	1-24	1705	[signature]	1/24/24	1705	8.7	Y	N	Y
							UCS			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-24-24

8.7 LTGS

Added HNO3(94914) to A214, A215, G125, G130, G133, G139, G217S, R217O & A213 Dup. Added NaOH(95443) to G125, G130, G133, G217S & R217O. Added H2SO4(94915) to G125 & G133

SM 1/25/24

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-846-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G113						0													X				24010247-033
2	G114						0													X				24010247-034
3	G115						0													X				24010247-035
4	G116						5	2	1	1		1								X		X		24010247-036
5	G117						0													X				24010247-037
6	G118						0													X				24010247-038
7	G119						0													X				24010247-039
8	G120						0													X				24010247-040
9	G125			1-24-24	1320		5	2	1	1		1								X				24010247-041
10	G128						5	2	1	1		1								X				24010247-042
11	G130			1-24-24	1408		5	2	1	1		1								X				24010247-043
12	G133			1-24-24	1315		5	2	1	1		1								X				24010247-044
13	G136						5	2	1	1		1								X				24010247-045
14	G139			1-24-24	1402		5	2	1	1		1								X				24010247-046
15	G141			1-24-24	1044		5	2	1	1		1								X				24010247-047
16	G201						2	1		1								X						24010247-048

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-24	1705	[signature]	1/24/24	1705	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 1-24-24

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

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-846-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202						2	1		1							X						24010247-049
2	G203						2	1		1							X						24010247-050
3	G208						2	1		1							X	X					24010247-051
4	G217S			1-24-24	1245		5	2	1	1		1						X					24010247-052
5	G218						0											X					24010247-053
6	G220						2	1		1							X	X					24010247-054
7	G221						5	2	1	1		1						X					24010247-055
8	G222						2	1		1							X	X					24010247-056
9	G223						2	1		1							X	X					24010247-057
10	G224						2	1		1							X	X					24010247-058
11	G225						5	2	1	1		1						X					24010247-059
12	G230						6	2	1	2		1					X	X					24010247-060
13	G231						6	2	1	2		1					X	X					24010247-061
14	G232						6	2	1	2		1					X	X					24010247-062
15	G233						6	2	1	2		1					X	X					24010247-063
16	G234						5	2	1	1		1						X					24010247-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-24	1705		1/24/24	1705	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 1-24-24

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

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ / Requested Analysis Filtered (Y/N): NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	M26-3						0												X				24010247-081
2	M26-4						0												X				24010247-082
3	M26-5						0												X				24010247-083
4	M26-6						0												X				24010247-084
5	M26-7						0												X				24010247-085
6	MW31S						0												X				24010247-086
7	MW33S						0												X				24010247-087
8	MW35S						0												X				24010247-088
9	MW36S						0												X				24010247-089
10	MW48S						0												X				24010247-090
11	R216						0												X				24010247-091
12	R217D			1-24-24	1155		6	2	1	2		1					X	X					24010247-092
13	R219						5	2	1	1		1						X					24010247-093
14	XPW01-pore						2	1		1						X				X			24010247-094
15	XPW02-pore						2	1		1						X				X			24010247-095
16	XPW03-pore						2	1		1						X				X			24010247-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-24	1705		1/24/24	1705	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	1-24-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:							

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore						2	1		1						X				X			24010247-097
2	XSG01						0									X				X			24010247-098
3	YSG02						0									X				X			24010247-099
4	Field Blank						6	2	1	2		1				X	X	X	X	X	X		24010247-100
5	A213 Duplicate			1-24-24	0935		5	2	1	1		1						X					24010247-101
6	APW02 Duplicate						4	2		2						X				X	X		24010247-102
7	G006D Duplicate						2	1		1							X						24010247-103
8	G104 Duplicate						5	2	1	1		1							X				24010247-104
9	EB #2			1-24-24	1451																		-105
10																							
11																							
12																							
13																							
14																							
15																							
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-24	1705	[signature]	1/24/24	1705	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 1-24-24

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

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Information

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

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

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	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW13						2	1		1							X				X			24010247-017
2	APW14						2	1		1							X				X			24010247-018
3	APW15						2	1		1							X				X			24010247-019
4	APW16						2	1		1							X				X			24010247-020
5	APW17						2	1		1							X				X			24010247-021
6	APW18						2	1		1							X				X			24010247-022
7	G006D			1-25-24	1000		2	1		1								X						24010247-023
8	G048MG						2	1		1								X						24010247-024
9	G104			1-25-24	1130		5	2	1	1		1								X				24010247-025
10	G104S						0													X				24010247-026
11	G104D						0													X				24010247-027
12	G105			1-25-24	1046		5	2	1	1		1								X				24010247-028
13	G106			1-25-24	0929		5	2	1	1		1								X				24010247-029
14	G109						0													X				24010247-030
15	G111						0													X				24010247-031
16	G112						0													X				24010247-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q1 Rev 0	J. Colp	1-25	1815	[illegible signature]	1/25/24	1815	1.1 LTGS	Y	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 1-25-24

dded HNO3 (94914) to G105, G06D,
106, G128, G06D Dup & G104 Dup @ 830am.
d NaOH (95443) to G106.
H ✓ 8966699079. 10am 1/26/24

Confidential

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G113						0													X				24010247-033
2	G114						0													X				24010247-034
3	G115						0													X				24010247-035
4	G116			1-25-24	1049		5	2	1	1		1								X		X		24010247-036
5	G117						0													X				24010247-037
6	G118						0													X				24010247-038
7	G119						0													X				24010247-039
8	G120						0													X				24010247-040
9	G125						5	2	1	1		1								X				24010247-041
10	G128			1-25-24	0903		5	2	1	1		1								X				24010247-042
11	G130						5	2	1	1		1								X				24010247-043
12	G133						5	2	1	1		1								X				24010247-044
13	G136			1-25-24	1144		5	2	1	1		1								X				24010247-045
14	G139						5	2	1	1		1								X				24010247-046
15	G141						5	2	1	1		1								X				24010247-047
16	G201			1-25-24	1159		2	1		1							X							24010247-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-25-24	1815	Samantha Davies	1/25/24	1815	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	1-25-24	Temp in °C	Received on Ice (Y/N) / Custody Sealed Cooler (Y/N) / Samples Intact (Y/N)

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore						2	1		1						X				X			24010247-097
2	XSG01						0									X				X			24010247-098
3	YSG02						0									X				X			24010247-099
4	Field Blank						6	2	1	2		1				X	X	X	X	X	X		24010247-100
5	A213 Duplicate						5	2	1	1		1						X					24010247-101
6	APW02 Duplicate						4	2		2						X				X	X		24010247-102
7	G006D Duplicate			1-25-24	1000		2	1		1							X						24010247-103
8	G104 Duplicate			1-25-24	1830		5	2	1	1		1							X				24010247-104
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-25	1815	[signature]	1/25/24	1815	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 1-25-24

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

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	* L1R-leachate			1-26-24	1010		2	1		1							X		X					24010247-065
2	L201-leachate						0												X					24010247-066
3	L202-leachate						0												X					24010247-067
4	L203-leachate						0												X					24010247-068
5	L204-leachate						0												X					24010247-069
6	L205-leachate						0												X					24010247-070
7	L301-leachate						2	1		1							X							24010247-071
8	M25-1						0												X					24010247-072
9	M25-2						0												X					24010247-073
10	M25-3						0												X					24010247-074
11	M25-4						0												X					24010247-075
12	M25-5						0												X					24010247-076
13	M25-6						0												X					24010247-077
14	M25-7						0												X					24010247-078
15	M26-1						0												X					24010247-079
16	M26-2						0												X					24010247-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Colp	1-26	1300	Mary Hemp	1/26/24	1300	#5			
							5.5	Y	N	Y

PH: 907/19/896060
Added HNO_3 (94914) @ 13:30 on 1/26/24 em 1/26

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Justin Colp
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-26-24

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St
	Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	M26-3						0												X				24010247-081
2	M26-4						0												X				24010247-082
3	M26-5						0												X				24010247-083
4	M26-6						0												X				24010247-084
5	M26-7						0												X				24010247-085
6	MW31S						0												X				24010247-086
7	MW33S						0												X				24010247-087
8	MW35S						0												X				24010247-088
9	MW36S						0												X				24010247-089
10	MW48S						0												X				24010247-090
11	R216						0												X				24010247-091
12	R217D						6	2	1	2		1					X	X					24010247-092
13	R219			1-26-24	0858		5	2	1	1		1						X					24010247-093
14	XPW01-pore						2	1		1						X				X			24010247-094
15	XPW02-pore						2	1		1						X				X			24010247-095
16	XPW03-pore						2	1		1						X				X			24010247-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-26	1300	Mary Kemp	11/26/24	1300	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:					
	DATE Signed (MM/DD/YY): 1-26-24				

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ / Requested Analysis Filtered (Y/N): NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore						2	1		1						X				X			24010247-097
2	XSG01						0									X				X			24010247-098
3	YSG02						0									X				X			24010247-099
4	* Field Blank			1-26-24	1015		6	2	1	2		1				X	X	X	X	X	X		24010247-100
5	A213 Duplicate						5	2	1	1		1						X					24010247-101
6	APW02 Duplicate						4	2		2						X				X	X		24010247-102
7	G006D Duplicate						2	1		1							X						24010247-103
8	G104 Duplicate						5	2	1	1		1							X				24010247-104
9	* FIELD BLANK #5			1-26-24	1020																		-107
10																							
11																							
12																							
13																							
14																							
15																							
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Colp	1-26	1300	Mary Hemp	1/26/24	1300				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 1-26-24

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

February 27, 2024

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

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

RE: NEW-24Q1 **WorkOrder:** 24010248

Dear Eric Bauer:

TEKLAB, INC received 23 samples on 1/26/2024 1:00:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

Client: Ramboll
Work Order: 24010248
Client Project: NEW-24Q1
Report Date: 27-Feb-24

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

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

Definitions

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: NEW-24Q1

Work Order: 24010248
Report Date: 27-Feb-24

Cooler Receipt Temp: 5.1 °C

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

Ra226/228 analyses were performed by Eurofins St. Louis. See attached report for results and QC.

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

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

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-001 **Client Sample ID:** APW02

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/14/2024 11:46	R343571

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-002 **Client Sample ID:** APW03

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/14/2024 11:46	R343571

Laboratory Results

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

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-003 **Client Sample ID:** APW04

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 13:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:48	R343571

Laboratory Results

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

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-004 **Client Sample ID:** APW05

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 12:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:48	R343571

Laboratory Results

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

Client: Ramboll
Work Order: 24010248
Client Project: NEW-24Q1
Report Date: 27-Feb-24
Lab ID: 24010248-005
Client Sample ID: APW05S
Matrix: GROUNDWATER
Collection Date: 01/23/2024 9:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:48	R343571

Laboratory Results

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

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-006 **Client Sample ID:** APW06

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 10:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:48	R343571

Laboratory Results

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-007 **Client Sample ID:** APW07

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 11:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:48	R343571

Laboratory Results

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

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-008 **Client Sample ID:** APW08

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:48	R343571

Laboratory Results

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

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-009 **Client Sample ID:** APW09

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-010 **Client Sample ID:** APW10

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 14:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:47	R343571

Laboratory Results

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

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-011 **Client Sample ID:** APW11

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Laboratory Results

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

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-012 **Client Sample ID:** APW12

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:47	R343571

Laboratory Results

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-013 **Client Sample ID:** APW13

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 13:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:47	R343571

Laboratory Results

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

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-014 **Client Sample ID:** APW14

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 14:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:47	R343571

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-015 **Client Sample ID:** APW15

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:45	R343571

Laboratory Results

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-016 **Client Sample ID:** APW16

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 12:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Laboratory Results

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-017 **Client Sample ID:** APW17

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 10:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-018 **Client Sample ID:** APW18

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 14:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-019 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 01/26/2024 10:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Laboratory Results

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

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-020 **Client Sample ID:** APW02 Duplicate

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Laboratory Results

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-021 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 01/23/2024 15:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Laboratory Results

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

Client: Ramboll
Work Order: 24010248
Client Project: NEW-24Q1
Report Date: 27-Feb-24
Lab ID: 24010248-022
Client Sample ID: Equipment Blank 2
Matrix: AQUEOUS
Collection Date: 01/24/2024 14:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:47	R343571

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-023 **Client Sample ID:** Equipment Blank 3

Matrix: AQUEOUS **Collection Date:** 01/26/2024 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/12/2024 11:55	R343571

Teklab, Inc.
Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: NEW-24Q1

Work Order: 24010248
Report Date: 27-Feb-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24010248-001	APW02	Groundwater	1	01/18/2024 13:35
24010248-002	APW03	Groundwater	1	01/23/2024 13:04
24010248-003	APW04	Groundwater	1	01/23/2024 13:52
24010248-004	APW05	Groundwater	1	01/16/2024 12:22
24010248-005	APW05S	Groundwater	1	01/23/2024 9:24
24010248-006	APW06	Groundwater	1	01/23/2024 10:04
24010248-007	APW07	Groundwater	1	01/23/2024 11:29
24010248-008	APW08	Groundwater	1	01/18/2024 11:21
24010248-009	APW09	Groundwater	1	01/23/2024 12:23
24010248-010	APW10	Groundwater	1	01/23/2024 14:39
24010248-011	APW11	Groundwater	1	01/16/2024 10:37
24010248-012	APW12	Groundwater	1	01/16/2024 13:20
24010248-013	APW13	Groundwater	1	01/17/2024 13:34
24010248-014	APW14	Groundwater	1	01/17/2024 14:27
24010248-015	APW15	Groundwater	1	01/18/2024 10:14
24010248-016	APW16	Groundwater	1	01/17/2024 12:06
24010248-017	APW17	Groundwater	1	01/17/2024 10:25
24010248-018	APW18	Groundwater	1	01/16/2024 14:45
24010248-019	Field Blank	Aqueous	1	01/26/2024 10:15
24010248-020	APW02 Duplicate	Groundwater	1	01/18/2024 13:35
24010248-021	Equipment Blank 1	Aqueous	1	01/23/2024 15:21
24010248-022	Equipment Blank 2	Aqueous	1	01/24/2024 14:51
24010248-023	Equipment Blank 3	Aqueous	1	01/26/2024 10:20

Teklab, Inc.
Environmental Laboratory

Receiving Check List

Client: Ramboll
Client Project: NEW-24Q1

Work Order: 24010248
Report Date: 27-Feb-24

Carrier: Tracy Carroll

Received By: MEK

Completed by: Amber Dilallo
On: 17-Jan-24

Reviewed by: Ellie Hopkins
On: 26-Jan-24

Pages to follow: Chain of custody 25 Extra pages included 36

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 5.1
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

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

Additional Nitric Acid (94914) was needed in APW12 upon arrival at the laboratory. - amberdilallo - 1/17/2024 1:09:14 PM

pH strip #90719. - amberdilallo - 1/17/2024 1:09:33 PM

Samples received 1/18/24 at 0915 on ice - 3.9C - LTG 7. pH strip #90719. - amberdilallo - 1/18/2024 12:56:53 PM

Samples received 1/23/24 at 1700 on ice - 3.1C - LTG 5. pH strip #90719. - amberdilallo - 1/18/2024 1:03:24 PM

Sample received 1/24/24 at 1705 on ice - 8.7C - LTG 5. pH strip #90719. - amberdilallo - 1/25/2024 8:53:38 AM

Sample received 1/26/24 at 1300 on ice - 5.5C - LTG 5. pH strip #90719. - amberdilallo - 1/25/2024 8:53:38 AM

CHAIN-OF-CUSTODY / Analytical Request Document

24010248

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

Page: 1 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A207																			X				N/A
2	A213																		X					N/A
3	A214																		X					N/A
4	A215																		X					N/A
5	APW02						2			2							X				X	X			24010248-001
6	APW03						2			2							X				X	X			24010248-002
7	APW04						2			2							X				X	X			24010248-003
8	APW05			1/16/24	1222		2			2							X				X				24010248-004
9	APW05S						2			2							X				X				24010248-005
10	APW06						2			2							X				X				24010248-006
11	APW07						2			2							X				X				24010248-007
12	APW08						2			2							X				X				24010248-008
13	APW09						2			2							X				X				24010248-009
14	APW10						2			2							X				X				24010248-010
15	APW11			1/16/24	1037		2			2							X				X				24010248-011
16	APW12			1/16/24	1320		2			2							X				X				24010248-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	Tracy Carroll	1-17-24	1245	Mary Tripp	1/17/24	1245	5.1	Y	N	Y
Ra226/228, only.							LRS			

Added HNO_3 (949124) to APW12
PHV: 90719 MM 1/17

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Tracy Carroll
SIGNATURE of SAMPLER: Tracy Carroll
DATE Signed (MM/DD/YY): 1/16/24

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																
1	APW13						2			2							X				X			24010248-013
2	APW14						2			2							X				X			24010248-014
3	APW15						2			2							X				X			24010248-015
4	APW16						2			2							X				X			24010248-016
5	APW17						2			2							X				X			24010248-017
6	APW18			1/16/24	1445		2			2							X				X			24010248-018
7	G006D																	X						N/A
8	G048MG																	X						N/A
9	G104																			X				N/A
10	G104S																			X				N/A
11	G104D																			X				N/A
12	G105																			X				N/A
13	G106																			X				N/A
14	G109																			X				N/A
15	G111																			X				N/A
16	G112																			X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Carroll	1-17-24	1245	Mary Kay	1/17/24	1245	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Tracy Carroll	DATE Signed (MM/DD/YY):	1/16/24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	Tracy Carroll						

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202			1-17-24	1007													X							N/A
2	G203																	X							N/A
3	G208																	X	X						N/A
4	G217S																		X						N/A
5	G218																		X						N/A
6	G220																	X	X						N/A
7	G221																		X						N/A
8	G222																	X	X						N/A
9	G223																	X	X						N/A
10	G224																	X	X						N/A
11	G225																		X						N/A
12	G230																	X	X						N/A
13	G231																	X	X						N/A
14	G232																	X	X						N/A
15	G233																	X	X						N/A
16	G234																		X						N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Cole	1-17-24	1245	Mary Kay	1/17/24	1245	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Cole	DATE Signed (MM/DD/YY):	1-17-24	Temp in °C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:				Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 6 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																
1	M26-3																			X				N/A
2	M26-4																			X				N/A
3	M26-5																			X				N/A
4	M26-6																			X				N/A
5	M26-7																			X				N/A
6	MW31S																			X				N/A
7	MW33S																			X				N/A
8	MW35S																			X				N/A
9	MW36S																			X				N/A
10	MW48S																			X				N/A
11	R216																			X				N/A
12	R217D																	X	X					N/A
13	R219																		X					N/A
14	XPW01-pore			1/16/24	1421												X				X			N/A
15	XPW02-pore			1/16/24	1325												X				X			N/A
16	XPW03-pore			1/16/24	1213												X				X			N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Carroll	1-17-24	1245	Mary Kipp	1/17/24	1245	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:	Tracy Carroll	DATE Signed (MM/DD/YY):	1/16/24	Temp in °C / Received on Ice (Y/N) / Custody Sealed Cooler (Y/N) / Samples Intact (Y/N)
SIGNATURE of SAMPLER:	Tracy Carroll			

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																
1	XPW04-pore			1/16/24	1123												X				X			N/A
2	XSG01																X				X			N/A
3	YSG02																X				X			N/A
4	Field Blank						2			2							X	X	X	X	X	X		24010248-019
5	A213 Duplicate																		X					N/A
6	APW02 Duplicate						2			2							X				X	X		24010248-020
7	G006D Duplicate																	X						N/A
8	G104 Duplicate																			X				N/A
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Carroll	1-17-24	1645	Mary Kay	1/17/24	1245	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Tracy Carroll
SIGNATURE of SAMPLER: Tracy Carroll
DATE Signed (MM/DD/YY): 1/16/24

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

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW13			1/17/24	1334		2			2							X				X				24010248-013
2	APW14			1/17/24	1427		2			2							X				X				24010248-014
3	APW15						2			2							X				X				24010248-015
4	APW16			1/17/24	1206		2			2							X				X				24010248-016
5	APW17			1/17/24	1025		2			2							X				X				24010248-017
6	APW18						2			2							X				X				24010248-018
7	G006D																	X							N/A
8	G048MG																	X							N/A
9	G104																			X					N/A
10	G104S																			X					N/A
11	G104D																			X					N/A
12	G105																			X					N/A
13	G106																			X					N/A
14	G109																			X					N/A
15	G111																			X					N/A
16	G112																			X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	Tracy Carrol	1/18/24	915	FB / TekLab	1.18.24	915				
Ra226/228, only.	FB / TekLab	1.18.24	1110	Nick Reed	1/18/24	1140	3.9	Yes	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carrol

SIGNATURE of SAMPLER: Tracy Carrol

DATE Signed (MM/DD/YY): 1/17/24

LTG#7

Added HNO_3 (9491q) to Sample APW13, APW16, & APW17 NR 1/18

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202																	X						N/A
2	G203			1/17/24	1124													X						N/A
3	G208																	X	X					N/A
4	G217S																		X					N/A
5	G218																		X					N/A
6	G220																	X	X					N/A
7	G221			1/17/24	1304														X					N/A
8	G222			1/17/24	1333													X	X					N/A
9	G223																	X	X					N/A
10	G224																	X	X					N/A
11	G225																		X					N/A
12	G230																	X	X					N/A
13	G231																	X	X					N/A
14	G232																	X	X					N/A
15	G233																	X	X					N/A
16	G234																		X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Carroll	1/18/24	915	FB / TekLab	1.18.24	915	
Ra226/228, only.	FB / TekLab	1.18.24	1140	Trish Reed	1/18/24	1140	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll

DATE Signed (MM/DD/YY): 1/17/24

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

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A207																			X					N/A
2	A213																	X							N/A
3	A214																	X							N/A
4	A215																	X							N/A
5	APW02			1/18/24	1335		2			2							X				X	X			24010248-001
6	APW03						2			2							X				X	X			24010248-002
7	APW04						2			2							X				X	X			24010248-003
8	APW05						2			2							X				X				24010248-004
9	APW05S						2			2							X				X				24010248-005
10	APW06						2			2							X				X				24010248-006
11	APW07						2			2							X				X				24010248-007
12	APW08			1/18/24	1121		2			2							X				X				24010248-008
13	APW09						2			2							X				X				24010248-009
14	APW10						2			2							X				X				24010248-010
15	APW11						2			2							X				X				24010248-011
16	APW12						2			2							X				X				24010248-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	Brett Gidlivan	1-19-24	1300		1/19/24	1300	3.7	Y	N	Y
Ra226/228, only.							LCGS			

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER:	Brett Gidlivan	
SIGNATURE of SAMPLER:	Brett Gidlivan	DATE Signed (MM/DD/YY): 1-19-24

Added HNO3 (94914) to APW02, APW08, APW15 & APW02 DUP. pH ✓ 90719 SM 1/19/24

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																
1	APW13						2			2							X				X			24010248-013
2	APW14						2			2							X				X			24010248-014
3	APW15			1/18/24	1014		2			2							X				X			24010248-015
4	APW16						2			2							X				X			24010248-016
5	APW17						2			2							X				X			24010248-017
6	APW18						2			2							X				X			24010248-018
7	G006D																	X						N/A
8	G048MG																	X						N/A
9	G104																			X				N/A
10	G104S																			X				N/A
11	G104D																			X				N/A
12	G105																			X				N/A
13	G106																			X				N/A
14	G109																			X				N/A
15	G111																			X				N/A
16	G112																			X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Brett Gillikin	1-19-24	1300		1/19/24	1300	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Brett Gillikin	DATE Signed (MM/DD/YY):	1-19-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	Brett Gillikin						

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202																	X						N/A
2	G203																	X						N/A
3	G208																	X	X					N/A
4	G217S																		X					N/A
5	G218																		X					N/A
6	G220			1/18/24	1419													X	X					N/A
7	G221																		X					N/A
8	G222																	X	X					N/A
9	G223																	X	X					N/A
10	G224																	X	X					N/A
11	G225																		X					N/A
12	G230			1/18/24	1101													X	X					N/A
13	G231			1/18/24	1126													X	X					N/A
14	G232			1/18/24	1154													X	X					N/A
15	G233			1/18/24	1232													X	X					N/A
16	G234			1/18/24	1301														X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Brett Gillihan	1-19-24	1500		1/19/24	1300	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: Brett Gillihan

DATE Signed (MM/DD/YY): 1-19-24

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

Confidential

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore																X				X			N/A
2	XSG01																X				X			N/A
3	YSG02																X				X			N/A
4	Field Blank						2			2							X	X	X	X	X	X		24010248-019
5	A213 Duplicate																		X					N/A
6	APW02 Duplicate			1/18/24	1335		2			2							X				X	X		24010248-020
7	G006D Duplicate																	X						N/A
8	G104 Duplicate																			X				N/A
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Brett Gillihan	1-19-24	1300		1/19/24	1300	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Brett Gillihan				
SIGNATURE of SAMPLER:	Brett Gillihan				
DATE Signed (MM/DD/YY):	1-19-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24010248

NEW-257-501

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Page: 1 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A207																			X				N/A
2	A213																		X					N/A
3	A214																		X					N/A
4	A215																		X					N/A
5	APW02						2			2							X				X	X			24010248-001
6	APW03			1-23-24	1304		2			2							X				X	X			24010248-002
7	APW04			1-23-24	1352		2			2							X				X	X			24010248-003
8	APW05						2			2							X				X				24010248-004
9	APW05S			1-23-24	0924		2			2							X				X				24010248-005
10	APW06			↓	1004		2			2							X				X				24010248-006
11	APW07			↓	1129		2			2							X				X				24010248-007
12	APW08						2			2							X				X				24010248-008
13	APW09			1-23-24	1223		2			2							X				X				24010248-009
14	APW10			1-23-24	1439		2			2							X				X				24010248-010
15	APW11						2			2							X				X				24010248-011
16	APW12						2			2							X				X				24010248-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Colp	1-23	1700	[signature]	1/23/24	17:00	3.1	Y	N	Y
Ra226/228, only.										

PHV 90719 DS 1/24

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JUSTIN COLP

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-23-24

IR95 DS 1/24

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202																	X						N/A
2	G203																	X						N/A
3	G208																	X	X					N/A
4	G217S																		X					N/A
5	G218																		X					N/A
6	G220																	X	X					N/A
7	G221																		X					N/A
8	G222																	X	X					N/A
9	G223			1-23-24	1359													X	X					N/A
10	G224			↓	1449													X	X					N/A
11	G225			↓	1303														X					N/A
12	G230																	X	X					N/A
13	G231																	X	X					N/A
14	G232																	X	X					N/A
15	G233																	X	X					N/A
16	G234																		X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Colp	1-23	1700		1/23/24	17:00	3.1			
Ra226/228, only.										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 1-23-24

LTG5

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES | **GROUND WATER** | DRINKING WATER

UST | RCRA | OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore																X				X			N/A
2	XSG01																X				X			N/A
3	YSG02																X				X			N/A
4	Field Blank						2			2							X	X	X	X	X	X		24010248-019
5	A213 Duplicate																		X					N/A
6	APW02 Duplicate						2			2							X				X	X		24010248-020
7	G006D Duplicate																	X						N/A
8	G104 Duplicate																			X				N/A
9	#1 EQ Blank			1-23-24	1521																			-021
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-23	1700	Sam Davies	1/23/24	1700	3.1
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-23-24

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

LTG S

CHAIN-OF-CUSTODY / Analytical Request Document

24010248

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Page: 1 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		REGULATORY AGENCY	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty	NPDES	GROUND WATER / DRINKING WATER
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp	UST	RCRA / OTHER
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A		
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:		Site Location STATE:	IL
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:			
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:			

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A207																			X				N/A
2	A213			1-24-24	0935														X					N/A
3	A214			1-24-24	1014														X					N/A
4	A215			1-24-24	1138														X					N/A
5	APW02						2			2							X				X	X		24010248-001
6	APW03						2			2							X				X	X		24010248-002
7	APW04						2			2							X				X	X		24010248-003
8	APW05						2			2							X				X			24010248-004
9	APW05S						2			2							X				X			24010248-005
10	APW06						2			2							X				X			24010248-006
11	APW07						2			2							X				X			24010248-007
12	APW08						2			2							X				X			24010248-008
13	APW09						2			2							X				X			24010248-009
14	APW10						2			2							X				X			24010248-010
15	APW11						2			2							X				X			24010248-011
16	APW12						2			2							X				X			24010248-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Colp	1-24	1705	Samantha Davies	1/24/24	1705	8.7	Y	N	Y
Ra226/228, only.							1705			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 1-24-24

pH ✓ 9071B SM 1/25/24

87 LTGS

24010228

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G113																			X				N/A
2	G114																			X				N/A
3	G115																			X				N/A
4	G116																			X	X			N/A
5	G117																			X				N/A
6	G118																			X				N/A
7	G119																			X				N/A
8	G120																			X				N/A
9	G125			1-24-24	1320															X				N/A
10	G128																			X				N/A
11	G130			1-24-24	1408															X				N/A
12	G133			1-24-24	1315															X				N/A
13	G136																			X				N/A
14	G139			1-24-24	1402															X				N/A
15	G141			1-24-24	1044															X				N/A
16	G201																	X						N/A

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Cole	1-24	1705	[signature]	1/24/24	1705	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole				
SIGNATURE of SAMPLER:	[signature]				
DATE Signed (MM/DD/YY):	1-24-24				

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202																	X						N/A
2	G203																	X						N/A
3	G208																	X	X					N/A
4	G217S			1-24-24	1245														X					N/A
5	G218																		X					N/A
6	G220																	X	X					N/A
7	G221																		X					N/A
8	G222																	X	X					N/A
9	G223																	X	X					N/A
10	G224																	X	X					N/A
11	G225																		X					N/A
12	G230																	X	X					N/A
13	G231																	X	X					N/A
14	G232																	X	X					N/A
15	G233																	X	X					N/A
16	G234																		X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Cole	1-24	1705		1/24/24	1705	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 1-24-24			

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 6 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	M26-3																			X				N/A
2	M26-4																			X				N/A
3	M26-5																			X				N/A
4	M26-6																			X				N/A
5	M26-7																			X				N/A
6	MW31S																			X				N/A
7	MW33S																			X				N/A
8	MW35S																			X				N/A
9	MW36S																			X				N/A
10	MW48S																			X				N/A
11	R216																			X				N/A
12	R217D			1-24-24	1155													X	X					N/A
13	R219																		X					N/A
14	XPW01-pore																X				X			N/A
15	XPW02-pore																X				X			N/A
16	XPW03-pore																X				X			N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-24	1705	[illegible]	1/24/24	1705	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:	[signature] DATE Signed (MM/DD/YY): 1-24-24				

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

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

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

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	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore																X				X			N/A
2	XSG01																X				X			N/A
3	YSG02																X				X			N/A
4	Field Blank						2			2							X	X	X	X	X	X		24010248-019
5	A213 Duplicate			1-24-24	0935														X					N/A
6	APW02 Duplicate						2			2							X				X	X		24010248-020
7	G006D Duplicate																	X						N/A
8	G104 Duplicate																			X				N/A
9	EB #2			1-24-24	1451																			-022
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-24	1705	[signature]	1/24/24	1705	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-24-24

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

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
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Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																
1	APW13						2			2							X				X			24010248-013
2	APW14						2			2							X				X			24010248-014
3	APW15						2			2							X				X			24010248-015
4	APW16						2			2							X				X			24010248-016
5	APW17						2			2							X				X			24010248-017
6	APW18						2			2							X				X			24010248-018
7	G006D			1-25-24	1000													X						N/A
8	G048MG																	X						N/A
9	G104			1-25-24	1130															X				N/A
10	G104S																			X				N/A
11	G104D																			X				N/A
12	G105			1-25-24	1046															X				N/A
13	G106			1-25-24	0924															X				N/A
14	G109																			X				N/A
15	G111																			X				N/A
16	G112																			X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Gib	1-25	1855	[illegible]	1/25/24	1855	1.1	Y	N	Y
Ra226/228, only.							2.5			

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER:	Justin Gib	
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 1-25-24

24010228

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G113																			X					N/A
2	G114																			X					N/A
3	G115																			X					N/A
4	G116			1-25-24	1049															X		X			N/A
5	G117																			X					N/A
6	G118																			X					N/A
7	G119																			X					N/A
8	G120																			X					N/A
9	G125																			X					N/A
10	G128			1-25-24	0903															X					N/A
11	G130																			X					N/A
12	G133																			X					N/A
13	G136			1-25-24	1144															X					N/A
14	G139																			X					N/A
15	G141																			X					N/A
16	G201			1-25-24	1154													X							N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Cole	1-25	1815	[signature]	1/25/24	1815	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole					
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 1-25-24				

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-067-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore																X				X			N/A
2	XSG01																X				X			N/A
3	YSG02																X				X			N/A
4	Field Blank						2		2								X	X	X	X	X	X		24010248-019
5	A213 Duplicate																		X					N/A
6	APW02 Duplicate						2		2								X				X	X		24010248-020
7	G006D Duplicate			1-25-24	1000													X						N/A
8	G104 Duplicate			1-25-24	1130															X				N/A
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Cob	1-25	1815	[illegible]	1/25/24	1815	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cob				
SIGNATURE of SAMPLER:	[signature] DATE Signed (MM/DD/YY): 1-25-24				

24010218

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L1R-leachate			1-26-24	1010													X		X				N/A
2	L201-leachate																			X				N/A
3	L202-leachate																			X				N/A
4	L203-leachate																			X				N/A
5	L204-leachate																			X				N/A
6	L205-leachate																			X				N/A
7	L301-leachate																	X						N/A
8	M25-1																			X				N/A
9	M25-2																			X				N/A
10	M25-3																			X				N/A
11	M25-4																			X				N/A
12	M25-5																			X				N/A
13	M25-6																			X				N/A
14	M25-7																			X				N/A
15	M26-1																			X				N/A
16	M26-2																			X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Colp	1-26	1300	Mary Kemp	1/26/24	1300				
Ra226/228, only.							5.5	Y		Y

5.5°#5
PH: 90719 MS 1/26

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Justin Colp
SIGNATURE of SAMPLER:	
DATE Signed (MM/DD/YY):	1-26-24

LRC5

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 6 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	M26-3																			X				N/A
2	M26-4																			X				N/A
3	M26-5																			X				N/A
4	M26-6																			X				N/A
5	M26-7																			X				N/A
6	MW31S																			X				N/A
7	MW33S																			X				N/A
8	MW35S																			X				N/A
9	MW36S																			X				N/A
10	MW48S																			X				N/A
11	R216																			X				N/A
12	R217D																	X	X					N/A
13	R219			1-26-24	0858														X					N/A
14	XPW01-pore																X				X			N/A
15	XPW02-pore																X				X			N/A
16	XPW03-pore																X				X			N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-26	1300	Mary Tenup	1/26/24	1300	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	1-26-24		

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 7 of 7

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	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
	Requested Analysis Filtered (Y/N)																							
1	XPW04-pore															X	X				X			N/A
2	XSG01															X	X				X			N/A
3	YSG02															X	X				X			N/A
4	Field Blank			1-26-24	1015		2			2						X	X	X	X	X	X			24010248-019
5	A213 Duplicate																	X						N/A
6	APW02 Duplicate						2			2						X					X	X		24010248-020
7	G006D Duplicate																X							N/A
8	G104 Duplicate																			X				N/A
9	EB #3			1-26-24	1020																			-023
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-26	1300	Mary Kay	11/26/24	1300	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	1-26-24	Temp in °C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:				Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 2/26/2024 10:05:22 PM

JOB DESCRIPTION

Radium-226 and Radium-228

JOB NUMBER

160-52944-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

myEOL

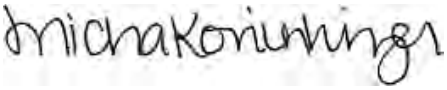
Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



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Authorized for release by
Micha Korrinhizer, Project Manager
Micha.Korrinhizer@et.eurofinsus.com
Designee for
Jayna Awalt, Project Manager II
Jayna.Awalt@et.eurofinsus.com
(314)298-8566

Table of Contents

CASE NARRATIVE

Client: TekLab, Inc

Project: Radium-226 and Radium-228

Report Number: 160-52944-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

All solid sample results for Chemistry analyses are reported on an ""as received"" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Receipt
The samples were received on 1/29/2024 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 2 coolers at receipt time were 18.9°C and 19.0°C.

Method 903.0 - Radium-226 (GFPC)
Samples 24010248-001 (160-52944-1), 24010248-002 (160-52944-2), 24010248-003 (160-52944-3), 24010248-004 (160-52944-4), 24010248-005 (160-52944-5), 24010248-006 (160-52944-6), 24010248-007 (160-52944-7), 24010248-008 (160-52944-8), 24010248-009 (160-52944-9), 24010248-010 (160-52944-10), 24010248-011 (160-52944-11), 24010248-012 (160-52944-12), 24010248-013 (160-52944-13), 24010248-014 (160-52944-14), 24010248-015 (160-52944-15), 24010248-016 (160-52944-16), 24010248-017 (160-52944-17), 24010248-018 (160-52944-18), 24010248-019 (160-52944-19), 24010248-020 (160-52944-20), 24010248-021 (160-52944-21), 24010248-022 (160-52944-22) and 24010248-023 (160-52944-23) were analyzed for Radium-226 (GFPC). The samples were prepared on 1/30/2024 and analyzed on 2/21/2024 and 2/22/2024.

Job ID: 160-52944-1 (Continued) Eurofins St. Louis

No analytical or quality issues were noted, other than those described in the Definitions/ Glossary page.

Method 904.0 - Radium-228 (GFPC)
Samples 24010248-001 (160-52944-1), 24010248-002 (160-52944-2), 24010248-003 (160-52944-3), 24010248-004 (160-52944-4), 24010248-005 (160-52944-5), 24010248-006 (160-52944-6), 24010248-007 (160-52944-7), 24010248-008 (160-52944-8), 24010248-009 (160-52944-9), 24010248-010 (160-52944-10), 24010248-011 (160-52944-11), 24010248-012 (160-52944-12), 24010248-013 (160-52944-13), 24010248-014 (160-52944-14), 24010248-015 (160-52944-15), 24010248-016 (160-52944-16), 24010248-017 (160-52944-17), 24010248-018 (160-52944-18), 24010248-019 (160-52944-19), 24010248-020 (160-52944-20), 24010248-021 (160-52944-21), 24010248-022 (160-52944-22) and 24010248-023 (160-52944-23) were analyzed for Radium-228 (GFPC). The samples were prepared on 1/30/2024 and 2/8/2024 and analyzed on 2/8/2024, 2/12/2024 and 2/14/2024.

The following sample in batch 1460-647410 was prepared at a reduced aliquot due to Matrix: 24010248-002 (160-52944-2). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

The following samples in batch 160-646068 did not meet the requested limit (RL) due to the reduced sample volume attributed to the presence of matrix interference: 24010248-004 (160-52944-4), 24010248-008 (160-52944-8), 24010248-011 (160-52944-11), 24010248-015 (160-52944-15) and 24010248-018 (160-52944-18). During preparation the analyst visually noted matrix effects. The data have been reported with this narrative.

The laboratory control sample duplicate (LCSD 160-647410/3-A) associated with batch 160-647410 recovered at 129%. The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCSD are not from this agency and are therefore held to our in-house statistical limits of (63-150%) per method requirements. The LCSD passes, no further action is required

The detection goal was not met for the following sample in batch 160-647410 due to reduced sample volume attributed to the presence of matrix interferences: 24010248-002 (160-52944-2). Analytical results are reported with the detection limit achieved.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24010248-001 (160-52944-1), 24010248-002 (160-52944-2), 24010248-003 (160-52944-3), 24010248-004 (160-52944-4), 24010248-005 (160-52944-5), 24010248-006 (160-52944-6), 24010248-007 (160-52944-7), 24010248-008 (160-52944-8), 24010248-009 (160-52944-9), 24010248-010 (160-52944-10), 24010248-011 (160-52944-11), 24010248-012 (160-52944-12), 24010248-013 (160-52944-13), 24010248-014 (160-52944-14), 24010248-015 (160-52944-15), 24010248-016 (160-52944-16), 24010248-017 (160-52944-17), 24010248-018 (160-52944-18), 24010248-019 (160-52944-19), 24010248-020 (160-52944-20), 24010248-021 (160-52944-21), 24010248-022 (160-52944-22) and 24010248-023 (160-52944-23) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 2/22/2024 and 2/23/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampler QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 24010248

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 35715 Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
	24010248-001	1/18/24 1335	HNO3	Groundwater	✔
	24010248-002	1/23/24 1304	HNO3	Groundwater	✔
	24010248-003	1/23/24 1352	HNO3	Groundwater	✔
	24010248-004	1/16/24 1222	HNO3	Groundwater	✔
	24010248-005	1/23/24 0924	HNO3	Groundwater	✔
	24010248-006	1/23/24 1004	HNO3	Groundwater	✔
	24010248-007	1/23/24 1129	HNO3	Groundwater	✔
	24010248-008	1/18/24 1121	HNO3	Groundwater	✔
	24010248-009	1/23/24 1223	HNO3	Groundwater	✔
	24010248-010	1/23/24 1439	HNO3	Groundwater	✔
	24010248-011	1/16/24 ~~1320~~ 1037 ERH 1/26/24	HNO3	Groundwater	✔

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	1/29/24		

TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampler | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
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Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 24010248

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35715 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228											
	24010248-012	1/16/24 1320	HNO3	Groundwater	✔											
	24010248-013	1/17/24 1334	HNO3	Groundwater	✔											
	24010248-014	1/17/24 1427	HNO3	Groundwater	✔											
	24010248-015	1/18/24 1014	HNO3	Groundwater	✔											
	24010248-016	1/17/24 1206	HNO3	Groundwater	✔											
	24010248-017	1/17/24 1025	HNO3	Groundwater	✔											
	24010248-018	1/16/24 1445	HNO3	Groundwater	✔											
	24010248-019	1/26/24 1015	HNO3	Groundwater	✔											
	24010248-020	1/18/24 ~~1418~~ 1335	HNO3	Groundwater	✔											
	24010248-021	1/23/24 1521 TR 1/31/24	HNO3	Groundwater	✔											
	24010248-022	1/24/24 1451	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	1/29pm		

SubCocRevA
3/2/2015

2/26/2024

TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampler QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
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Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 24010248

Contact: Elizabeth Hurley
Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT
Billing/PO: 35715
Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
	24010248-023	1/26/24 1020	HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	1/29/24		

TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampler | QC Level: 2

Project# 24010248

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35715 | Phone: 618 344-1004 ext. 33

160-52944 Chain of Custody

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
	24010248-001	1/18/24 1335	HNO3	Groundwater	✔
	24010248-002	1/23/24 1304	HNO3	Groundwater	✔
	24010248-003	1/23/24 1352	HNO3	Groundwater	✔
	24010248-004	1/16/24 1222	HNO3	Groundwater	✔
	24010248-005	1/23/24 0924	HNO3	Groundwater	✔
	24010248-006	1/23/24 1004	HNO3	Groundwater	✔
	24010248-007	1/23/24 1129	HNO3	Groundwater	✔
	24010248-008	1/18/24 1121	HNO3	Groundwater	✔
	24010248-009	1/23/24 1223	HNO3	Groundwater	✔
	24010248-010	1/23/24 1439	HNO3	Groundwater	✔
	24010248-011	1/16/24 ~~1320~~ 1257 ERH 1/24/24	HNO3	Groundwater	✔

*Relinquished By	Date/Time	Received By	Date/Time
	1/24/24 1400		1/24/24 1400
	1/24/24 1200		1/24/24 12pm

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SubCocRevA 3/2/2016

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-257-501
APPENDIX A.

TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampler | QC Level: 2

Project# 24010248

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35715 | Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
	24010248-012	1/16/24 1320	HNO3	Groundwater	✔
	24010248-013	1/17/24 1334	HNO3	Groundwater	✔
	24010248-014	1/17/24 1427	HNO3	Groundwater	✔
	24010248-015	1/18/24 1014	HNO3	Groundwater	✔
	24010248-016	1/17/24 1206	HNO3	Groundwater	✔
	24010248-017	1/17/24 1025	HNO3	Groundwater	✔
	24010248-018	1/16/24 1445	HNO3	Groundwater	✔
	24010248-019	1/26/24 1015	HNO3	Groundwater	✔
	24010248-020	1/18/24 1419	HNO3	Groundwater	✔
	24010248-021	1/23/24 1521	HNO3	Groundwater	✔
	24010248-022	1/24/24 1451	HNO3	Groundwater	✔

*Relinquished By	Date/Time	Received By	Date/Time
	1/24/24 1100		
	1/24/24 1200		1/29/24 1200

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA 3/2/2016

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-257-501
APPENDIX A.

TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:
Sampler: Teklab Sampler
QC Level: 2

Project# 24010248

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley
Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT
Billing/PO: 35715
Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
	24010248-023	1/26/24 1020	HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔

*Relinquished By	Date/Time	Received By	Date/Time
	1/29/24 1100		1/29/24 1100
	1/29/24 1200		1/29/24 12pm

SubCocRevA
3/2/2016

1 2 3 4 5 6 7 8 9 10 11 12

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-52944-1

Login Number: 52944
List Number: 1
Creator: Awalt, Jayna K

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-52944-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-52944-1	24010248-001	Water	01/18/24 13:35	01/29/24 12:00
160-52944-2	24010248-002	Water	01/23/24 13:04	01/29/24 12:00
160-52944-3	24010248-003	Water	01/23/24 13:52	01/29/24 12:00
160-52944-4	24010248-004	Water	01/16/24 12:22	01/29/24 12:00
160-52944-5	24010248-005	Water	01/23/24 09:24	01/29/24 12:00
160-52944-6	24010248-006	Water	01/23/24 10:04	01/29/24 12:00
160-52944-7	24010248-007	Water	01/23/24 11:29	01/29/24 12:00
160-52944-8	24010248-008	Water	01/18/24 11:21	01/29/24 12:00
160-52944-9	24010248-009	Water	01/23/24 12:23	01/29/24 12:00
160-52944-10	24010248-010	Water	01/23/24 14:39	01/29/24 12:00
160-52944-11	24010248-011	Water	01/16/24 10:37	01/29/24 12:00
160-52944-12	24010248-012	Water	01/16/24 13:20	01/29/24 12:00
160-52944-13	24010248-013	Water	01/17/24 13:34	01/29/24 12:00
160-52944-14	24010248-014	Water	01/17/24 14:27	01/29/24 12:00
160-52944-15	24010248-015	Water	01/18/24 10:14	01/29/24 12:00
160-52944-16	24010248-016	Water	01/17/24 12:06	01/29/24 12:00
160-52944-17	24010248-017	Water	01/17/24 10:25	01/29/24 12:00
160-52944-18	24010248-018	Water	01/16/24 14:45	01/29/24 12:00
160-52944-19	24010248-019	Water	01/26/24 10:15	01/29/24 12:00
160-52944-20	24010248-020	Water	01/18/24 13:35	01/29/24 12:00
160-52944-21	24010248-021	Water	01/23/24 15:21	01/29/24 12:00
160-52944-22	24010248-022	Water	01/24/24 14:51	01/29/24 12:00
160-52944-23	24010248-023	Water	01/26/24 10:20	01/29/24 12:00

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Client Sample ID: 24010248-001
Date Collected: 01/18/24 13:35
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0927	U	0.0686	0.0691	1.00	0.0992	pCi/L	01/30/24 10:21	02/22/24 18:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.4*		*30 - 110*	*01/30/24 10:21*	*02/22/24 18:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.73**		0.472	0.498	1.00	0.506	pCi/L	02/08/24 10:22	02/14/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*02/08/24 10:22*	*02/14/24 11:46*	*1*
Y Carrier	*87.1*		*30 - 110*	*02/08/24 10:22*	*02/14/24 11:46*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.82**		0.477	0.503	5.00	0.506	pCi/L		02/23/24 16:53	1

Client Sample ID: 24010248-002
Date Collected: 01/23/24 13:04
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.644**		0.237	0.244	1.00	0.234	pCi/L	01/30/24 10:21	02/22/24 18:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*40.7*		*30 - 110*	*01/30/24 10:21*	*02/22/24 18:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.67**	**G**	0.962	0.993	1.00	1.17	pCi/L	02/08/24 10:22	02/14/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.3*		*30 - 110*	*02/08/24 10:22*	*02/14/24 11:46*	*1*
Y Carrier	*83.7*		*30 - 110*	*02/08/24 10:22*	*02/14/24 11:46*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**3.31**		0.991	1.02	5.00	1.17	pCi/L		02/23/24 16:53	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Client Sample ID: 24010248-003
Date Collected: 01/23/24 13:52
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.177		0.120	0.121	1.00	0.170	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.7*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.82		0.584	0.608	1.00	0.660	pCi/L	01/30/24 10:05	02/08/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.7*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*
Y Carrier	*87.9*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.00		0.596	0.620	5.00	0.660	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-004
Date Collected: 01/16/24 12:22
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-4
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.554		0.219	0.224	1.00	0.224	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.6*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.36	G	1.23	1.30	1.00	1.41	pCi/L	01/30/24 10:05	02/08/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.6*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*
Y Carrier	*82.6*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	4.91		1.25	1.32	5.00	1.41	pCi/L		02/22/24 14:40	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Client Sample ID: 24010248-005
Date Collected: 01/23/24 09:24
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-5
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.200		0.135	0.137	1.00	0.193	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.9*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.38		0.652	0.664	1.00	0.895	pCi/L	01/30/24 10:05	02/08/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.9*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*
Y Carrier	*80.4*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.58		0.666	0.678	5.00	0.895	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-006
Date Collected: 01/23/24 10:04
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-6
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.451		0.123	0.129	1.00	0.0986	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.7*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.90		0.518	0.547	1.00	0.553	pCi/L	01/30/24 10:05	02/08/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.7*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*
Y Carrier	*82.6*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.35		0.532	0.562	5.00	0.553	pCi/L		02/22/24 14:40	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Client Sample ID: 24010248-007
Date Collected: 01/23/24 11:29
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-7
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.941		0.246	0.261	1.00	0.199	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*62.6*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.10		0.754	0.778	1.00	0.882	pCi/L	01/30/24 10:05	02/08/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*62.6*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*
Y Carrier	*86.0*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	3.05		0.793	0.821	5.00	0.882	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-008
Date Collected: 01/18/24 11:21
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-8
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.743		0.298	0.305	1.00	0.311	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*50.4*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.92	G	1.67	1.76	1.00	1.87	pCi/L	01/30/24 10:05	02/08/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*50.4*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*
Y Carrier	*86.0*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	6.67		1.70	1.79	5.00	1.87	pCi/L		02/22/24 14:40	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Client Sample ID: 24010248-009
Date Collected: 01/23/24 12:23
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-9
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.02		0.229	0.247	1.00	0.201	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.2*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.06		0.669	0.695	1.00	0.779	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.2*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*
Y Carrier	*80.7*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	3.08		0.707	0.738	5.00	0.779	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-010
Date Collected: 01/23/24 14:39
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-10
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.393		0.177	0.180	1.00	0.219	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.8*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.54		0.667	0.682	1.00	0.873	pCi/L	01/30/24 10:05	02/08/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.8*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:47*	*1*
Y Carrier	*82.2*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.93		0.690	0.705	5.00	0.873	pCi/L		02/22/24 14:40	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Client Sample ID: 24010248-011
Date Collected: 01/16/24 10:37
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-11
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.614		0.324	0.329	1.00	0.418	pCi/L	01/30/24 09:59	02/21/24 07:33	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	42.7		30 - 110	01/30/24 09:59	02/21/24 07:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.31	G	1.75	1.77	1.00	2.51	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	42.7		30 - 110	01/30/24 10:05	02/08/24 11:46	1
Y Carrier	86.0		30 - 110	01/30/24 10:05	02/08/24 11:46	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	3.92		1.78	1.80	5.00	2.51	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-012
Date Collected: 01/16/24 13:20
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-12
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.131		0.0801	0.0810	1.00	0.106	pCi/L	01/30/24 09:59	02/21/24 07:34	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	81.4		30 - 110	01/30/24 09:59	02/21/24 07:34	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.06		0.482	0.492	1.00	0.665	pCi/L	01/30/24 10:05	02/08/24 11:47	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	81.4		30 - 110	01/30/24 10:05	02/08/24 11:47	1
Y Carrier	84.5		30 - 110	01/30/24 10:05	02/08/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.19		0.489	0.499	5.00	0.665	pCi/L		02/22/24 14:40	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Client Sample ID: 24010248-013
Date Collected: 01/17/24 13:34
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-13
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.160		0.0852	0.0864	1.00	0.104	pCi/L	01/30/24 09:59	02/21/24 07:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.4*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:34*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.15		0.503	0.514	1.00	0.673	pCi/L	01/30/24 10:05	02/08/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.4*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:47*	*1*
Y Carrier	*80.4*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.31		0.510	0.521	5.00	0.673	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-014
Date Collected: 01/17/24 14:27
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-14
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.196		0.0930	0.0947	1.00	0.108	pCi/L	01/30/24 09:59	02/21/24 09:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.6*		*30 - 110*	*01/30/24 09:59*	*02/21/24 09:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.42		0.534	0.550	1.00	0.663	pCi/L	01/30/24 10:05	02/08/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.6*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:47*	*1*
Y Carrier	*74.0*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.62		0.542	0.558	5.00	0.663	pCi/L		02/22/24 14:40	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Client Sample ID: 24010248-015
Date Collected: 01/18/24 10:14
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-15
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.881		0.286	0.297	1.00	0.284	pCi/L	01/30/24 09:59	02/21/24 09:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*42.2*		*30 - 110*	*01/30/24 09:59*	*02/21/24 09:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.76	G	1.30	1.34	1.00	1.54	pCi/L	01/30/24 10:05	02/08/24 11:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*42.2*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:45*	*1*
Y Carrier	*77.4*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:45*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	4.64		1.33	1.37	5.00	1.54	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-016
Date Collected: 01/17/24 12:06
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-16
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.748		0.181	0.193	1.00	0.126	pCi/L	01/30/24 09:59	02/21/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*01/30/24 09:59*	*02/21/24 09:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.79		0.610	0.632	1.00	0.739	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*
Y Carrier	*86.4*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.54		0.636	0.661	5.00	0.739	pCi/L		02/22/24 14:40	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Client Sample ID: 24010248-017
Date Collected: 01/17/24 10:25
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-17
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.45		0.248	0.280	1.00	0.125	pCi/L	01/30/24 09:59	02/21/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.1*		*30 - 110*	*01/30/24 09:59*	*02/21/24 09:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.93		0.806	0.850	1.00	0.885	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.1*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*
Y Carrier	*76.6*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	4.37		0.843	0.895	5.00	0.885	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-018
Date Collected: 01/16/24 14:45
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-18
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.817		0.247	0.257	1.00	0.214	pCi/L	01/30/24 09:59	02/21/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*48.6*		*30 - 110*	*01/30/24 09:59*	*02/21/24 09:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.73	G	0.980	1.01	1.00	1.20	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*48.6*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*
Y Carrier	*88.2*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	3.54		1.01	1.04	5.00	1.20	pCi/L		02/22/24 14:40	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Client Sample ID: 24010248-019
Date Collected: 01/26/24 10:15
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-19
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0147	U	0.0482	0.0483	1.00	0.0924	pCi/L	01/30/24 09:59	02/21/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*01/30/24 09:59*	*02/21/24 09:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.751**		0.363	0.370	1.00	0.497	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*
Y Carrier	*84.1*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.766**		0.366	0.373	5.00	0.497	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-020
Date Collected: 01/18/24 13:35
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-20
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.147**		0.0771	0.0782	1.00	0.0926	pCi/L	01/30/24 09:59	02/21/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*01/30/24 09:59*	*02/21/24 09:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.05**		0.436	0.446	1.00	0.554	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*
Y Carrier	*71.0*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.20**		0.443	0.453	5.00	0.554	pCi/L		02/22/24 14:40	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Client Sample ID: 24010248-021
Date Collected: 01/23/24 15:21
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-21
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0298	U	0.0520	0.0521	1.00	0.0923	pCi/L	01/30/24 09:59	02/21/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.7*		*30 - 110*	*01/30/24 09:59*	*02/21/24 09:20*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.365	U	0.338	0.339	1.00	0.532	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.7*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*
Y Carrier	*77.0*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.395	U	0.342	0.343	5.00	0.532	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-022
Date Collected: 01/24/24 14:51
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-22
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0464	U	0.0468	0.0470	1.00	0.0714	pCi/L	01/30/24 09:59	02/21/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*01/30/24 09:59*	*02/21/24 09:20*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.569**		0.366	0.370	1.00	0.547	pCi/L	01/30/24 10:05	02/08/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:47*	*1*
Y Carrier	*83.0*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.616**		0.369	0.373	5.00	0.547	pCi/L		02/22/24 14:40	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Client Sample ID: 24010248-023
Date Collected: 01/26/24 10:20
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-23
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0247	U	0.0525	0.0525	1.00	0.123	pCi/L	01/30/24 10:07	02/21/24 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.7*		*30 - 110*	*01/30/24 10:07*	*02/21/24 09:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0849	U	0.295	0.295	1.00	0.529	pCi/L	01/30/24 10:19	02/12/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.7*		*30 - 110*	*01/30/24 10:19*	*02/12/24 11:55*	*1*
Y Carrier	*92.0*		*30 - 110*	*01/30/24 10:19*	*02/12/24 11:55*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0849	U	0.300	0.300	5.00	0.529	pCi/L		02/22/24 13:59	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-52944-1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-646067/1-A
Matrix: Water
Analysis Batch: 649031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646067

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03682	U	0.0583	0.0584	1.00	0.101	pCi/L	01/30/24 09:59	02/21/24 07:27	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.8*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:27*	*1*

Lab Sample ID: LCS 160-646067/2-A
Matrix: Water
Analysis Batch: 649031

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646067

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.04		1.14	1.00	0.0891	pCi/L	97	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.0*		*30 - 110*

Lab Sample ID: 160-52944-12 DU
Matrix: Water
Analysis Batch: 649035

Client Sample ID: 24010248-012
Prep Type: Total/NA
Prep Batch: 646067

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.131			0.1207		0.0797	1.00	0.106	pCi/L			0.06	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*79.1*		*30 - 110*

Lab Sample ID: MB 160-646070/1-A
Matrix: Water
Analysis Batch: 649031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646070

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0007762	U	0.0540	0.0540	1.00	0.112	pCi/L	01/30/24 10:07	02/21/24 09:26	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.0*		*30 - 110*	*01/30/24 10:07*	*02/21/24 09:26*	*1*

Lab Sample ID: LCS 160-646070/2-A
Matrix: Water
Analysis Batch: 649031

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646070

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	12.38		1.28	1.00	0.0957	pCi/L	109	75 - 125		

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-646070/2-A
Matrix: Water
Analysis Batch: 649031

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646070

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.3		30 - 110

Lab Sample ID: 160-52944-23 DU
Matrix: Water
Analysis Batch: 649033

Client Sample ID: 24010248-023
Prep Type: Total/NA
Prep Batch: 646070

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	-0.0247	U		0.007903	U	0.0661	1.00	0.129	pCi/L			0.27	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	86.5		30 - 110

Lab Sample ID: MB 160-646072/1-A
Matrix: Water
Analysis Batch: 649031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646072

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.008146	U	0.0397	0.0397	1.00	0.0882	pCi/L	01/30/24 10:21	02/21/24 18:17	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.9		30 - 110	01/30/24 10:21	02/21/24 18:17	1

Lab Sample ID: LCS 160-646072/2-A
Matrix: Water
Analysis Batch: 649794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646072

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.778		1.01	1.00	0.0857	pCi/L	86	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	93.9		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-646068/1-A
Matrix: Water
Analysis Batch: 647336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646068

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.04539	U	0.421	0.421	1.00	0.819	pCi/L	01/30/24 10:05	02/08/24 15:09	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	75.8		30 - 110	01/30/24 10:05	02/08/24 15:09	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-52944-1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-646068/1-A
Matrix: Water
Analysis Batch: 647336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646068

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	84.9		30 - 110	01/30/24 10:05	02/08/24 15:09	1

Lab Sample ID: LCS 160-646068/2-A
Matrix: Water
Analysis Batch: 647336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646068

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.23	10.38		1.37	1.00	0.490	pCi/L	112	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	87.0		30 - 110
Y Carrier	88.6		30 - 110

Lab Sample ID: 160-52944-12 DU
Matrix: Water
Analysis Batch: 647336

Client Sample ID: 24010248-012
Prep Type: Total/NA
Prep Batch: 646068

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	1.06			1.363		0.550	1.00	0.668	pCi/L			0.29	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	79.1		30 - 110
Y Carrier	70.7		30 - 110

Lab Sample ID: MB 160-646071/1-A
Matrix: Water
Analysis Batch: 647898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646071

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2745	U	0.275	0.276	1.00	0.441	pCi/L	01/30/24 10:19	02/12/24 11:55	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110	01/30/24 10:19	02/12/24 11:55	1
Y Carrier	88.2		30 - 110	01/30/24 10:19	02/12/24 11:55	1

Lab Sample ID: LCS 160-646071/2-A
Matrix: Water
Analysis Batch: 647898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646071

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.22	10.05		1.34	1.00	0.482	pCi/L	109	75 - 125		

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-646071/2-A
Matrix: Water
Analysis Batch: 647898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646071

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.3		30 - 110
Y Carrier	87.9		30 - 110

Lab Sample ID: 160-52944-23 DU
Matrix: Water
Analysis Batch: 647898

Client Sample ID: 24010248-023
Prep Type: Total/NA
Prep Batch: 646071

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.0849	U		0.6301		0.371	1.00	0.526	pCi/L			0.82	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	86.5		30 - 110
Y Carrier	84.5		30 - 110

Lab Sample ID: MB 160-647410/1-A
Matrix: Water
Analysis Batch: 648133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 647410

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.9286		0.385	0.394	1.00	0.492	pCi/L	02/08/24 10:22	02/14/24 11:45	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110	02/08/24 10:22	02/14/24 11:45	1
Y Carrier	85.2		30 - 110	02/08/24 10:22	02/14/24 11:45	1

Lab Sample ID: LCS 160-647410/2-A
Matrix: Water
Analysis Batch: 648133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 647410

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.21	11.01		1.50	1.00	0.643	pCi/L	119	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	78.3		30 - 110
Y Carrier	86.0		30 - 110

Lab Sample ID: LCSD 160-647410/3-A
Matrix: Water
Analysis Batch: 648133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 647410

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			9.21	11.92		1.61	1.00	0.663	pCi/L	129	75 - 125	0.29	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-52944-1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCSD 160-647410/3-A
Matrix: Water
Analysis Batch: 648133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 647410

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	75.3		30 - 110
Y Carrier	86.0		30 - 110

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Rad

Prep Batch: 646067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52944-3	24010248-003	Total/NA	Water	PrecSep-21	
160-52944-4	24010248-004	Total/NA	Water	PrecSep-21	
160-52944-5	24010248-005	Total/NA	Water	PrecSep-21	
160-52944-6	24010248-006	Total/NA	Water	PrecSep-21	
160-52944-7	24010248-007	Total/NA	Water	PrecSep-21	
160-52944-8	24010248-008	Total/NA	Water	PrecSep-21	
160-52944-9	24010248-009	Total/NA	Water	PrecSep-21	
160-52944-10	24010248-010	Total/NA	Water	PrecSep-21	
160-52944-11	24010248-011	Total/NA	Water	PrecSep-21	
160-52944-12	24010248-012	Total/NA	Water	PrecSep-21	
160-52944-13	24010248-013	Total/NA	Water	PrecSep-21	
160-52944-14	24010248-014	Total/NA	Water	PrecSep-21	
160-52944-15	24010248-015	Total/NA	Water	PrecSep-21	
160-52944-16	24010248-016	Total/NA	Water	PrecSep-21	
160-52944-17	24010248-017	Total/NA	Water	PrecSep-21	
160-52944-18	24010248-018	Total/NA	Water	PrecSep-21	
160-52944-19	24010248-019	Total/NA	Water	PrecSep-21	
160-52944-20	24010248-020	Total/NA	Water	PrecSep-21	
160-52944-21	24010248-021	Total/NA	Water	PrecSep-21	
160-52944-22	24010248-022	Total/NA	Water	PrecSep-21	
MB 160-646067/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-646067/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-52944-12 DU	24010248-012	Total/NA	Water	PrecSep-21	

Prep Batch: 646068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52944-3	24010248-003	Total/NA	Water	PrecSep_0	
160-52944-4	24010248-004	Total/NA	Water	PrecSep_0	
160-52944-5	24010248-005	Total/NA	Water	PrecSep_0	
160-52944-6	24010248-006	Total/NA	Water	PrecSep_0	
160-52944-7	24010248-007	Total/NA	Water	PrecSep_0	
160-52944-8	24010248-008	Total/NA	Water	PrecSep_0	
160-52944-9	24010248-009	Total/NA	Water	PrecSep_0	
160-52944-10	24010248-010	Total/NA	Water	PrecSep_0	
160-52944-11	24010248-011	Total/NA	Water	PrecSep_0	
160-52944-12	24010248-012	Total/NA	Water	PrecSep_0	
160-52944-13	24010248-013	Total/NA	Water	PrecSep_0	
160-52944-14	24010248-014	Total/NA	Water	PrecSep_0	
160-52944-15	24010248-015	Total/NA	Water	PrecSep_0	
160-52944-16	24010248-016	Total/NA	Water	PrecSep_0	
160-52944-17	24010248-017	Total/NA	Water	PrecSep_0	
160-52944-18	24010248-018	Total/NA	Water	PrecSep_0	
160-52944-19	24010248-019	Total/NA	Water	PrecSep_0	
160-52944-20	24010248-020	Total/NA	Water	PrecSep_0	
160-52944-21	24010248-021	Total/NA	Water	PrecSep_0	
160-52944-22	24010248-022	Total/NA	Water	PrecSep_0	
MB 160-646068/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-646068/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-52944-12 DU	24010248-012	Total/NA	Water	PrecSep_0	

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Rad

Prep Batch: 646070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52944-23	24010248-023	Total/NA	Water	PrecSep-21	
MB 160-646070/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-646070/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-52944-23 DU	24010248-023	Total/NA	Water	PrecSep-21	

Prep Batch: 646071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52944-23	24010248-023	Total/NA	Water	PrecSep_0	
MB 160-646071/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-646071/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-52944-23 DU	24010248-023	Total/NA	Water	PrecSep_0	

Prep Batch: 646072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52944-1	24010248-001	Total/NA	Water	PrecSep-21	
160-52944-2	24010248-002	Total/NA	Water	PrecSep-21	
MB 160-646072/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-646072/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 647410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52944-1	24010248-001	Total/NA	Water	PrecSep_0	
160-52944-2	24010248-002	Total/NA	Water	PrecSep_0	
MB 160-647410/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-647410/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-647410/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-52944-1

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (30-110)						
160-52944-1	24010248-001	94.4						
160-52944-2	24010248-002	40.7						
160-52944-3	24010248-003	83.7						
160-52944-4	24010248-004	74.6						
160-52944-5	24010248-005	79.9						
160-52944-6	24010248-006	83.7						
160-52944-7	24010248-007	62.6						
160-52944-8	24010248-008	50.4						
160-52944-9	24010248-009	81.2						
160-52944-10	24010248-010	71.8						
160-52944-11	24010248-011	42.7						
160-52944-12	24010248-012	81.4						
160-52944-12 DU	24010248-012	79.1						
160-52944-13	24010248-013	78.4						
160-52944-14	24010248-014	79.6						
160-52944-15	24010248-015	42.2						
160-52944-16	24010248-016	83.0						
160-52944-17	24010248-017	79.1						
160-52944-18	24010248-018	48.6						
160-52944-19	24010248-019	94.1						
160-52944-20	24010248-020	91.9						
160-52944-21	24010248-021	83.7						
160-52944-22	24010248-022	99.2						
160-52944-23	24010248-023	82.7						
160-52944-23 DU	24010248-023	86.5						
LCS 160-646067/2-A	Lab Control Sample	87.0						
LCS 160-646070/2-A	Lab Control Sample	86.3						
LCS 160-646072/2-A	Lab Control Sample	93.9						
MB 160-646067/1-A	Method Blank	75.8						
MB 160-646070/1-A	Method Blank	88.0						
MB 160-646072/1-A	Method Blank	91.9						

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)					
160-52944-1	24010248-001	88.8	87.1					
160-52944-2	24010248-002	77.3	83.7					
160-52944-3	24010248-003	83.7	87.9					
160-52944-4	24010248-004	74.6	82.6					
160-52944-5	24010248-005	79.9	80.4					
160-52944-6	24010248-006	83.7	82.6					
160-52944-7	24010248-007	62.6	86.0					
160-52944-8	24010248-008	50.4	86.0					
160-52944-9	24010248-009	81.2	80.7					

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-52944-1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-52944-10	24010248-010	71.8	82.2
160-52944-11	24010248-011	42.7	86.0
160-52944-12	24010248-012	81.4	84.5
160-52944-12 DU	24010248-012	79.1	70.7
160-52944-13	24010248-013	78.4	80.4
160-52944-14	24010248-014	79.6	74.0
160-52944-15	24010248-015	42.2	77.4
160-52944-16	24010248-016	83.0	86.4
160-52944-17	24010248-017	79.1	76.6
160-52944-18	24010248-018	48.6	88.2
160-52944-19	24010248-019	94.1	84.1
160-52944-20	24010248-020	91.9	71.0
160-52944-21	24010248-021	83.7	77.0
160-52944-22	24010248-022	99.2	83.0
160-52944-23	24010248-023	82.7	92.0
160-52944-23 DU	24010248-023	86.5	84.5
LCS 160-646068/2-A	Lab Control Sample	87.0	88.6
LCS 160-646071/2-A	Lab Control Sample	86.3	87.9
LCS 160-647410/2-A	Lab Control Sample	78.3	86.0
LCSD 160-647410/3-A	Lab Control Sample Dup	75.3	86.0
MB 160-646068/1-A	Method Blank	75.8	84.9
MB 160-646071/1-A	Method Blank	88.0	88.2
MB 160-647410/1-A	Method Blank	90.3	85.2

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Newton- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Instrument ID
A207	1/15/2024	13:54	DTW only							36.20	
A213	1/24/2024	09:35	11.1	52.0	6.73	2,185.1	4.24	3.30	171.2	17.59	45720
A214	1/24/2024	10:14	13.0	55.4	7.19	1,051.2	0.98	66.90	113.1	41.66	45600
A215	1/24/2024	11:38	13.4	56.1	7.05	2,564.9	0.49	28.91	-62.6	44.81	45600
APW02	1/18/2024	13:35	8.6	47.5	6.59	3,220.6	1.71	21.81	67.4	7.99	45600
APW03	1/23/2024	13:04	9.1	48.4	6.83	813.6	0.82	15.12	31.4	5.65	45600
APW04	1/23/2024	13:52	8.3	46.9	6.76	1,592.7	1.08	27.38	89	4.91	45600
APW05	1/16/2024	12:22	7.1	44.8	7.36	909.6	2.13	297.05	73.8	14.29	45720
APW05S	1/23/2024	09:24	9.1	48.4	6.70	2,573.8	1.23	15.64	139.9	12.03	45600
APW06	1/23/2024	10:04	14.0	57.2	7.55	783.8	0.95	40.60	17.4	19.55	45600
APW07	1/23/2024	11:29	11.5	52.7	7.01	781.2	3.13	17.65	80.9	47.72	45600
APW08	1/18/2024	11:21	11.9	53.4	7.14	811.9	2.00	204.06	-33.6	38.44	45600
APW09	1/23/2024	12:23	11.5	52.7	7.41	1,205.6	0.60	23.87	-20.4	27.73	45600
APW10	1/23/2024	14:39	13.0	55.4	7.13	1,283.2	0.37	7.08	83.4	18.87	45600
APW11	1/16/2024	10:37	11.7	53.1	6.92	1,257.2	0.56	261.81	36.8	25.51	45600
APW12	1/16/2024	13:20	12.9	55.2	6.43	2,003.7	1.88	3.15	132.8	16.13	45720
APW13	1/17/2024	13:34	12.8	55.0	7.06	1,386.6	0.84	12.53	8.6	33.81	45600
APW14	1/17/2024	14:27	11.6	52.9	7.16	1,464.5	0.64	13.03	-16.3	22.29	45600
APW15	1/18/2024	10:14	13.1	55.6	6.89	1,439.6	0.33	60.71	-93.6	21.33	45600
APW16	1/17/2024	12:06	11.8	53.2	7.31	1,266.0	0.57	10.82	-86.9	41.31	45600
APW17	1/17/2024	10:25	10.3	50.5	7.30	1,150.0	0.75	16.39	-36.9	42.31	45600
APW18	1/16/2024	14:45	10.7	51.3	7.66	967.8	3.05	26.51	-59.7	52.91	45720
G006D	1/25/2024	10:00	10.7	51.3	6.94	1,259.4	1.46	119.84	131.3	30.00	45720
G048MG											
G104	1/25/2024	11:30	11.1	52.0	6.98	1,128.1	6.70	4.91	137.2	7.58	45720
G104S	1/15/2024	10:17	DTW only							8.18	
G104D	1/15/2024	10:15	DTW only							50.19	
G105	1/25/2024	10:46	10.4	50.7	6.58	1,710.1	0.91	12.71	-7.9	14.95	45600
G106	1/25/2024	09:29	10.5	50.9	6.73	2,984.4	6.68	5.79	141.6	28.16	45720
G109	1/15/2024	14:24	DTW only							13.70	
G111	1/15/2024	09:42	DTW only							8.92	
G112	1/15/2024	09:50	DTW only							10.63	
G113	1/15/2024	10:58	DTW only							24.22	
G114	1/15/2024	13:40	DTW only							20.51	
G115	1/15/2024	12:03	DTW only							8.05	
G116	1/25/2024	10:49	12.5	54.5	6.93	734.6	4.38	13.55	129	8.56	45720
G117	1/15/2024	13:17	DTW only							18.60	
G118	1/15/2024	13:36	DTW only							16.57	
G119	1/15/2024	14:29	DTW only							9.97	
G120	1/15/2024	14:16	DTW only							10.01	
G125	1/24/2024	13:20	10.9	51.6	6.95	2,988.8	7.45	69.34	150.9	3.86	45720

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Newton- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Instrument ID
G128	1/25/2024	09:03	9.8	49.6	6.58	12,682.6	4.47	9.07	158.1	4.81	45720
G130	1/24/2024	14:08	12.9	55.2	6.26	6,930.9	0.36	13.41	101	5.62	45600
G133	1/24/2024	13:15	13.2	55.8	6.57	4,190.3	0.39	91.35	47.9	12.88	45600
G136	1/25/2024	11:44	11.2	52.2	6.78	2,488.7	0.95	18.92	72.3	8.54	45600
G139	1/24/2024	14:02	12.6	54.7	6.77	3,747.6	1.44	36.40	150.9	7.22	45720
G141	1/24/2024	10:44	14.0	57.2	6.78	1,798.8	2.44	34.11	158.8	15.60	45720
G201	1/25/2024	11:59	12.2	54.0	7.27	1,003.6	2.14	13.44	-70.4	17.75	45720
G202	1/17/2024	10:07	6.9	44.4	7.58	1,120.7	4.58	12.83	136.9	48.79	45720
G203	1/17/2024	11:24	11.5	52.7	7.27	1,120.2	0.83	67.78	-6.9	42.25	45720
G208											
G217S	1/24/2024	12:45	12.6	54.7	6.54	4,307.1	2.14	13.47	159.7	8.02	45720
G218	1/15/2024	14:07	DTW only							19.81	
G220	1/18/2024	14:22	13.9	57.0	6.88	1,016.2	1.64	39.13	25.9	18.62	45720
G221	1/17/2024	13:04	12.9	55.2	6.87	1,403.1	0.77	258.25	-59.3	22.10	45720
G222	1/17/2024	13:33	12.4	54.3	7.54	1,652.7	1.94	5.76	-19.5	18.19	45720
G223	1/23/2024	13:59	13.1	55.6	6.86	2,874.0	1.26	24.43	122.2	35.65	45720
G224	1/23/2024	14:49	12.4	54.3	7.31	959.9	1.17	61.36	108.4	43.41	45720
G225	1/23/2024	13:03	12.7	54.9	7.37	936.2	7.44	15.35	118.7	11.13	45720
G230	1/18/2024	11:01	12.9	55.2	7.03	1,479.0	1.43	46.60	138.5	49.79	45720
G231	1/18/2024	11:26	12.1	53.8	7.31	1,085.5	2.21	33.56	129.1	48.16	45720
G232	1/18/2024	11:57	12.6	54.7	7.26	1,252.8	1.45	37.64	87.4	36.50	45720
G233	1/18/2024	12:32	11.5	52.7	7.07	1,379.7	1.27	14.34	87.8	42.33	45720
G234	1/18/2024	13:01	13.0	55.4	7.24	1,225.5	2.95	22.80	101.2	44.50	45720
L1R-leachate	1/26/2024	10:10	16.4	61.5	10.94	37,680.8	3.93	150.51	6.1	55.23	45720
L201-leachate	1/15/2024	14:50	DTW only							36.89	
L202-leachate	1/15/2024	14:29	DTW only							38.09	
L203-leachate	1/15/2024	14:37	DTW only							31.33	
L204-leachate	1/15/2024	14:40	DTW only							49.52	
L205-leachate	1/15/2024	14:45	DTW only							33.74	
L301-leachate											
M25-1	1/15/2024	13:03	DTW only							3.29	
M25-2	1/15/2024	13:04	DTW only							1.71	
M25-3	1/15/2024	13:05	DTW only							1.78	
M25-4	1/15/2024	13:06	DTW only							2.49	
M25-5	1/15/2024	13:07	DTW only							5.40	
M25-6	1/15/2024	13:03	DTW only							12.73	
M25-7	1/15/2024	13:00	DTW only							18.82	
M26-1	1/15/2024	14:40	DTW only							2.03	
M26-2	1/15/2024	14:41	DTW only							22.49	
M26-3	1/15/2024	14:42	DTW only							22.49	
M26-4	1/15/2024	14:43	DTW only							0.90	

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Newton- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Instrument ID
M26-5	1/15/2024	14:44	DTW only							0.90	
M26-6	1/15/2024	14:45	DTW only							1.28	
M26-7	1/15/2024	14:48	DTW only							41.89	
MW31S	1/15/2024	14:48	DTW only							1.36	
MW33S	1/15/2024	09:53	DTW only							14.92	
MW35S	1/15/2024	09:34	DTW only							3.36	
MW36S	1/15/2024	09:20	DTW only							4.29	
MW48S	1/15/2024	10:59	DTW only							5.75	
R216	1/15/2024	13:18	DTW only							44.45	
R217D	1/24/2024	11:55	12.9	55.2	6.41	3,083.2	0.91	24.12	160.2	19.35	45720
R219	1/26/2024	08:58	11.4	52.5	6.93	1,407.7	2.32	27.73	139.4	20.65	45720
XPW01-pore	1/16/2024	14:21	15.2	59.4	12.50	11,158.2	0.20	129.59	-217.8	10.72	45720
XPW02-pore	1/16/2024	13:05	13.7	56.7	9.82	596.9	0.41	14.88	-157.8	6.72	45720
XPW03-pore	1/16/2024	12:12	15.2	59.4	11.80	1,653.7	0.42	241.07	-151	9.97	45720
XPW04-pore	1/16/2024	11:23	14.5	58.1	11.71	13,603.2	0.42	6.19	-149.9	12.24	45600
XSG01	1/15/2024	12:48	DTW only							5.70	
YSG02	1/15/2024	10:17	DTW only							3.75	
Field Blank	1/26/2024	10:15	*QA/QC Sample*								
A213 Duplicate	1/24/2024	09:35	11.1	52.0	6.73	2,185.1	4.24	3.30	171.2	17.59	45720
APW02 Duplicate	1/18/2024	13:35	8.6	47.5	6.59	3,220.6	1.71	21.81	67.4	7.99	45600
G006D Duplicate	1/25/2024	10:00	10.7	51.3	6.94	1,259.4	1.46	119.84	131.3	30.00	45720
G104 Duplicate	1/25/2024	11:30	11.1	52.0	6.98	1,128.1	6.70	4.91	137.2	7.58	45720
Equipment Blank 1	1/23/2024	15:21	*QA/QC Sample*								
Equipment Blank 2	1/24/2024	14:51	*QA/QC Sample*								
Equipment Blank 3	1/26/2024	10:20	*QA/QC Sample*								

Site Samping Event: Newton 1Q24
LIMS Workorder: 24021397
Technician(s): JC, BG

Groundwater Sampling Summary
Newton- 1Q 2024

			Weather				Well Condition				
WO Sample	**Well ID**	**Program/ Sample Type**	**Temp (°F)**	**Precipitation**	**Wind Direction**	**Sky**	**Well Pad**	**Casing**	**Protective Cover**	**Reference Mark/ ID**	**Well Locked**
001	G048MG	Groundwater Sample	57.0	None	N	Clear	Good	Good	Good	Yes	Yes
002	G208	Groundwater Sample	55.0	None	N	Clear	Good	Good	**Other (see note)**	Yes	**No**
003	L301-leachate	Leachate Sample	55.0	None	N	Clear					
004	Field Blank	QA/QC Sample	58.0	None	N	Clear					
005	Equipment Blank 1	QA/QC Sample	57.0	None	N	Clear					
006											

Site Samping Event: Newton 1Q24
LIMS Workorder: 24021397
Technician(s): JC, BG

Groundwater Sampling Summary
Newton- 1Q 2024

		GW Level Measurement				Purge Activities							
WO Sample	**Well ID**	**Sampler Initials**	**Date/Time**	**DTW (ft)**	**DTB (ft)**	**Sampler Initials**	**Purge Date**	**Purge Start Time**	**Purge End Time**	**Purging Device**	**Well Diameter (in)**	**Actual Volume Purged (L)**	**Purge Rate (mL/min)**
001	G048MG	JC	2/26/24 10:35	18.86	79.90	JC	2/26/2024	10:46	11:07	Submersible Pump	2"	8.0	381.0
002	G208				96.60								
003	L301-leachate												
004	Field Blank												
005	Equipment Blank 1												
006													

Site Samping Event: Newton 1Q24
LIMS Workorder: 24021397
Technician(s): JC, BG

Groundwater Sampling Summary
Newton- 1Q 2024

WO Sample	Well ID	Sampling Activities and Observations									
		Sampler Initials	Date	Time	Sampling Method	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	G048MG	JC	02/26/24	11:07	Low Flow	No	Clear	None	none	19.02	0.16
002	G208										
003	L301-leachate										
004	Field Blank	JC	02/26/24	11:23							
005	Equipment Blank 1	JC	02/26/24	11:25							
006											

Site Samping Event: Newton 1Q24
LIMS Workorder: 24021397
Technician(s): JC, BG

Groundwater Sampling Summary
Newton- 1Q 2024

WO Sample	Well ID	COMMENTS
001	G048MG	
002	G208	Pump and tubing stuck in well. No sample attempted.
003	L301-leachate	Repaired surface air line fittings and tubing. No sample, possible pump issue.
004	Field Blank	
005	Equipment Blank 1	
006		

Site Samping Event: Newton 1Q24
LIMS Workorder: 24021397
Technician(s): JC, BG

Stabilized Field Parameters Summary
Newton- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Instrument ID	LIMS ID
G048MG	2/26/2024	11:07	17.5	63.5	7.17	830.6	1.04	10.56	17.3	79.90	45720	24010248-001A
G208	2/26/2024	*Unable to collect sample (pump/tubing stuck)*										24010248-002A
L301-leachate	2/26/2024	*Unable to collect sample (potential issue with pump)*										24010248-003A
Field Blank	2/26/2024	11:23	QA/QC Sample									24010248-004A
Equipment Blank 1	2/26/2024	11:25	QA/QC Sample									24010248-005A

Site Samping Event: Newton 1Q24
LIMS Workorder: 24021397
Technician(s): JC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G048MG	2/26/2024	11:01	79.90	17.4	63.3	7.09	830.3	1.28	15.46	81.0
G048MG	2/26/2024	11:04	79.90	17.5	63.5	7.13	830.6	1.13	5.84	45.4
G048MG	2/26/2024	11:07	79.90	17.5	63.5	7.17	830.6	1.04	10.56	17.3

Site Samping Event: Newton 1Q24
LIMS Workorder: 24021397
Technician(s): JC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G208	2/26/2024	*Unable to collect sample (pump/tubing stuck)*								

Site Samping Event: Newton 1Q24
LIMS Workorder: 24021397
Technician(s): JC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L301-leachate	2/26/2024	*Unable to collect sample (potential issue with pump)*								

Site Samping Event: Newton 1Q24
LIMS Workorder: 24021397
Technician(s): JC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	2/26/2024	11:23	QA/QC Sample							

Site Samping Event: Newton 1Q24
LIMS Workorder: 24021397
Technician(s): JC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 1	2/26/2024	11:25	QA/QC Sample							

Site Samping Event: Newton 1Q24
LIMS Workorder: 24021397
Technician(s): JC, BG

Field Calibration Log(s)
Newton- 1Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45720 Technician(s): J. Colp/ B. Gillihan Date: 2/26/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	1/26/24 8:25
7.0 Buffer	wc230616f	7.02	1/26/24 8:29
10.0 Buffer	wc231027d	10.00	1/26/24 8:33
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1416	1/26/24 8:38

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	1/26/24 8:42	18.4	7.01	1,423	2.15			
CCV	1/26/24 10:41	17.7	7.02	1,433	2.19			

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45720
Description YSI Pro DSS
Calibrated 12/26/2023 5:12:31PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101794
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.21	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.94	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.15	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.03	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	122.65	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.391	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	272.80	240.00	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45720
Description YSI Pro DSS
Calibrated 12/26/2023 5:12:31PM

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	97.30	100.00	0.00%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		5/20/2024
STL 1413 COND L#3GF1521	STL 1413 COND L#3GF1521	AquaPhoenix Scientific	31986	3GF1521		5/20/2024
STL ORP SOLUTION 240MV L#3GJ0094	STL ORP SOLUTION 240MV L#3GJ0094	AquaPhoenix Scientific	ORP Solution	3GJ0094		7/25/2024
STL PH10 #3GF1088	STL PH10 #3GF1088	AquaPhoenix Scientific	PH 10	3GF1088		6/25/2025
STL PH4 L#3GG0025	STL pH4 L#3GG0025	AquaPhoenix Scientific	pH 4	3GG0025		7/25/2025
STL PH7 L#3GK1332	STL PH7 L#3GK1332	AquaPhoenix Scientific	PH7	3GK1332		11/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45600
Description YSI Pro DSS
Calibrated 12/26/2023 5:10:39PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19D104679
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.07	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.83	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.09	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.0 / 0.0	NTU	0.0	NTU	-1.6	0.0	0.00%	Pass
124.0 / 124.0	NTU	124.0	NTU	120.0	124.0	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.441	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	252.1	240.0	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45600
Description YSI Pro DSS
Calibrated 12/26/2023 5:10:39PM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	97.1	100.0	0.00%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		5/20/2024
STL 1413 COND L#3GF1521	STL 1413 COND L#3GF1521	AquaPhoenix Scientific	31986	3GF1521		5/20/2024
STL ORP SOLUTION 240MV L#3GJ0094	STL ORP SOLUTION 240MV L#3GJ0094	AquaPhoenix Scientific	ORP Solution	3GJ0094		7/25/2024
STL PH10 #3GF1088	STL PH10 #3GF1088	AquaPhoenix Scientific	PH 10	3GF1088		6/25/2025
STL PH4 L#3GG0025	STL pH4 L#3GG0025	AquaPhoenix Scientific	pH 4	3GG0025		7/25/2025
STL PH7 L#3GK1332	STL PH7 L#3GK1332	AquaPhoenix Scientific	PH7	3GK1332		11/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

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Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45720
Description YSI Pro DSS
Calibrated 12/26/2023 5:12:31PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101794
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.21	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.94	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.15	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.03	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	122.65	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.391	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	272.80	240.00	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45720
Description YSI Pro DSS
Calibrated 12/26/2023 5:12:31PM

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	97.30	100.00	0.00%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		5/20/2024
STL 1413 COND L#3GF1521	STL 1413 COND L#3GF1521	AquaPhoenix Scientific	31986	3GF1521		5/20/2024
STL ORP SOLUTION 240MV L#3GJ0094	STL ORP SOLUTION 240MV L#3GJ0094	AquaPhoenix Scientific	ORP Solution	3GJ0094		7/25/2024
STL PH10 #3GF1088	STL PH10 #3GF1088	AquaPhoenix Scientific	PH 10	3GF1088		6/25/2025
STL PH4 L#3GG0025	STL pH4 L#3GG0025	AquaPhoenix Scientific	pH 4	3GG0025		7/25/2025
STL PH7 L#3GK1332	STL PH7 L#3GK1332	AquaPhoenix Scientific	PH7	3GK1332		11/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

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

May 14, 2024

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

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: NEW-24Q2 **WorkOrder:** 24031341

Dear Eric Bauer:

TEKLAB, INC received 23 samples for NEW_257_501 on 4/10/2024 3:16:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Definitions

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: NEW-24Q2

Work Order: 24031341
Report Date: 14-May-24

Cooler Receipt Temp: 14.1 °C

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

Equipment Blanks 2 and 3 were not needed.

APW13 date/time of collection per field file. EAH 4/22/24

Per Eric Bauer's request, only NEW_257_501 data is included in this report. EAH 5/14/24

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-004 **Client Sample ID:** APW02

Matrix: GROUNDWATER **Collection Date:** 04/09/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**3.93**	ft	1	04/09/2024 11:56	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.1**	NTU	1	04/09/2024 11:56	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**45**	mV	1	04/09/2024 11:56	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**5150**	µS/cm	1	04/09/2024 11:56	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.3**	°C	1	04/09/2024 11:56	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.84**	mg/L	1	04/09/2024 11:56	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**6.73**		1	04/09/2024 11:56	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**4280**	mg/L	2.5	04/15/2024 11:46	R345844
SW-846 9036 (TOTAL)									
Sulfate	NELAP	614	1000		**3010**	mg/L	100	04/10/2024 16:01	R345620
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.18**	mg/L	1	04/15/2024 12:39	R345765
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**74**	mg/L	10	04/10/2024 15:55	R345623
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**460**	mg/L	1	04/12/2024 11:39	221211
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/17/2024 13:20	221211
Arsenic	NELAP	0.4	1.0	J	**0.6**	µg/L	5	04/13/2024 9:56	221211
Barium	NELAP	0.7	1.0		**8.3**	µg/L	5	04/16/2024 17:58	221211
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/15/2024 22:52	221211
Boron	NELAP	9.2	25.0		**73.4**	µg/L	5	04/17/2024 13:20	221211
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/13/2024 9:56	221211
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	04/15/2024 22:52	221211
Cobalt	NELAP	0.1	1.0	J	**0.3**	µg/L	5	04/13/2024 9:56	221211
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/15/2024 22:52	221211
Lithium	*	1.4	3.0		**95.2**	µg/L	5	04/15/2024 22:52	221211
Molybdenum	NELAP	0.6	1.5	J	**1.2**	µg/L	5	04/15/2024 22:52	221211
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/13/2024 9:56	221211
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/15/2024 22:52	221211
CCV recovered outside the upper control limits for Be, Cr and Pb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	04/11/2024 18:25	221259

Laboratory Results

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

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-005 **Client Sample ID:** APW03

Matrix: GROUNDWATER **Collection Date:** 04/09/2024 10:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.96**	ft	1	04/09/2024 10:55	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.2**	NTU	1	04/09/2024 10:55	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-3**	mV	1	04/09/2024 10:55	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1040**	µS/cm	1	04/09/2024 10:55	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.8**	°C	1	04/09/2024 10:55	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.57**	mg/L	1	04/09/2024 10:55	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**6.79**		1	04/09/2024 10:55	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**598**	mg/L	1	04/12/2024 9:27	R345767
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**106**	mg/L	10	04/10/2024 16:09	R345620
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.21**	mg/L	1	04/15/2024 10:35	R345765
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**9**	mg/L	1	04/10/2024 16:03	R345623
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**95.8**	mg/L	1	04/12/2024 11:41	221211
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/17/2024 13:24	221211
Arsenic	NELAP	0.4	1.0	J	**0.4**	µg/L	5	04/13/2024 10:02	221211
Barium	NELAP	0.7	1.0		**94.8**	µg/L	5	04/16/2024 18:04	221211
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/15/2024 22:58	221211
Boron	NELAP	9.2	25.0		**375**	µg/L	5	04/17/2024 13:24	221211
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/13/2024 10:02	221211
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	04/15/2024 22:58	221211
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	04/13/2024 10:02	221211
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/15/2024 22:58	221211
Lithium	*	1.4	3.0		**11.4**	µg/L	5	04/15/2024 22:58	221211
Molybdenum	NELAP	0.8	1.5	J	**1.1**	µg/L	5	04/13/2024 10:02	221211
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/13/2024 10:02	221211
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/15/2024 22:58	221211
CCV recovered outside the upper control limits for Be, Cr and Pb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	04/11/2024 18:27	221259

Laboratory Results

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

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-006 **Client Sample ID:** APW04

Matrix: GROUNDWATER **Collection Date:** 04/09/2024 9:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.92**	ft	1	04/09/2024 9:54	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.6**	NTU	1	04/09/2024 9:54	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-5**	mV	1	04/09/2024 9:54	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2220**	µS/cm	1	04/09/2024 9:54	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.1**	°C	1	04/09/2024 9:54	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.71**	mg/L	1	04/09/2024 9:54	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**6.72**		1	04/09/2024 9:54	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1600**	mg/L	1	04/12/2024 9:27	R345767
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**839**	mg/L	50	04/10/2024 16:33	R345620
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.16**	mg/L	1	04/15/2024 10:38	R345765
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**34**	mg/L	1	04/10/2024 16:28	R345623
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**212**	mg/L	1	04/12/2024 11:42	221211
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/17/2024 13:29	221211
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/13/2024 10:08	221211
Barium	NELAP	0.7	1.0		**14.9**	µg/L	5	04/16/2024 18:10	221211
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/15/2024 23:04	221211
Boron	NELAP	9.2	25	J	**21**	µg/L	5	04/17/2024 13:29	221211
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/13/2024 10:08	221211
Chromium	NELAP	0.7	1.5	J	**1.0**	µg/L	5	04/15/2024 23:04	221211
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	04/13/2024 10:08	221211
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/15/2024 23:04	221211
Lithium	*	1.4	3.0		**21.0**	µg/L	5	04/15/2024 23:04	221211
Molybdenum	NELAP	0.8	1.5	J	**0.8**	µg/L	5	04/13/2024 10:08	221211
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/13/2024 10:08	221211
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/15/2024 23:04	221211
CCV recovered outside the upper control limits for Be, Cr and Pb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	04/11/2024 18:34	221259

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-007 **Client Sample ID:** APW05

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 14:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**14.98**	ft	1	04/04/2024 14:41	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**27**	NTU	1	04/04/2024 14:41	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-154**	mV	1	04/04/2024 14:41	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**890**	µS/cm	1	04/04/2024 14:41	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.1**	°C	1	04/04/2024 14:41	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.64**	mg/L	1	04/04/2024 14:41	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**7.79**		1	04/04/2024 14:41	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**580**	mg/L	2.5	04/05/2024 12:54	R345434
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**10**	mg/L	1	04/09/2024 12:35	R345528
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.54**	mg/L	1	04/08/2024 8:54	R345417
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**45**	mg/L	1	04/08/2024 16:20	R345468
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**59.5**	mg/L	1	04/09/2024 9:30	221023
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.6**	µg/L	5	04/12/2024 11:27	221023
Arsenic	NELAP	0.4	1.0		**27.2**	µg/L	5	04/09/2024 18:54	221023
Barium	NELAP	0.7	1.0		**269**	µg/L	5	04/09/2024 18:54	221023
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/09/2024 18:54	221023
Boron	NELAP	9.2	25.0		**109**	µg/L	5	04/10/2024 20:33	221023
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/10/2024 20:33	221023
Chromium	NELAP	0.7	1.5		**2.6**	µg/L	5	04/09/2024 18:54	221023
Cobalt	NELAP	0.1	1.0	J	**0.8**	µg/L	5	04/09/2024 18:54	221023
Lead	NELAP	0.6	1.0		**1.2**	µg/L	5	04/09/2024 18:54	221023
Lithium	*	1.4	3.0		**11.0**	µg/L	5	04/12/2024 11:27	221023
Molybdenum	NELAP	0.6	1.5		**10.0**	µg/L	5	04/12/2024 11:27	221023
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/09/2024 18:54	221023
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/09/2024 18:54	221023
LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.07	0.20	J	**0.19**	µg/L	1	04/09/2024 12:02	221024

Laboratory Results

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Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-008 **Client Sample ID:** APW05S

Matrix: GROUNDWATER **Collection Date:** 04/02/2024 13:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.79**	ft	1	04/02/2024 13:52	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.6**	NTU	1	04/02/2024 13:52	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**117**	mV	1	04/02/2024 13:52	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3380**	µS/cm	1	04/02/2024 13:52	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.2**	°C	1	04/02/2024 13:52	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.20**	mg/L	1	04/02/2024 13:52	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**6.86**		1	04/02/2024 13:52	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**3330**	mg/L	1	04/03/2024 12:38	R345269
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**1890**	mg/L	50	04/04/2024 15:24	R345321
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.36**	mg/L	1	04/05/2024 12:25	R345364
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**159**	mg/L	10	04/04/2024 15:19	R345325
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.039	0.100		**405**	mg/L	1	04/04/2024 10:35	220750
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/04/2024 13:15	220750
Arsenic	NELAP	0.4	1.0		**1.3**	µg/L	5	04/04/2024 13:15	220750
Barium	NELAP	0.7	1.0		**21.3**	µg/L	5	04/04/2024 13:15	220750
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/08/2024 15:50	220750
Boron	NELAP	9.2	25.0		**32.6**	µg/L	5	04/04/2024 13:15	220750
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/04/2024 13:15	220750
Chromium	NELAP	0.7	1.5	J	**0.7**	µg/L	5	04/04/2024 13:15	220750
Cobalt	NELAP	0.1	1.0	J	**1.0**	µg/L	5	04/08/2024 15:50	220750
Lead	NELAP	0.6	1.0	J	**0.6**	µg/L	5	04/04/2024 13:15	220750
Lithium	*	1.4	3.0		**39.6**	µg/L	5	04/09/2024 10:38	220750
Molybdenum	NELAP	0.6	1.5	J	**1.2**	µg/L	5	04/10/2024 11:55	220750
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/04/2024 13:15	220750
Thallium	NELAP	1.0	2.0	J	**1.4**	µg/L	5	04/04/2024 13:15	220750
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	04/05/2024 7:53	220853

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-009 **Client Sample ID:** APW06

Matrix: GROUNDWATER **Collection Date:** 04/09/2024 12:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**19.18**	ft	1	04/09/2024 12:44	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**14**	NTU	1	04/09/2024 12:44	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-8**	mV	1	04/09/2024 12:44	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**800**	µS/cm	1	04/09/2024 12:44	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.6**	°C	1	04/09/2024 12:44	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.88**	mg/L	1	04/09/2024 12:44	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**7.58**		1	04/09/2024 12:44	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1260**	mg/L	2.5	04/12/2024 9:27	R345767
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	S	**11**	mg/L	1	04/10/2024 16:38	R345620
Matrix spike did not recover within control limits due to matrix interference.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.52**	mg/L	1	04/17/2024 13:07	R345902
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**23**	mg/L	1	04/10/2024 16:38	R345623
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**56.9**	mg/L	1	04/12/2024 11:44	221211
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.8**	µg/L	5	04/17/2024 14:05	221211
Arsenic	NELAP	0.4	1.0		**4.1**	µg/L	5	04/13/2024 10:14	221211
Barium	NELAP	0.7	1.0		**255**	µg/L	5	04/16/2024 18:16	221211
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/16/2024 0:28	221211
Boron	NELAP	9.2	25.0		**78.1**	µg/L	5	04/17/2024 14:05	221211
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/13/2024 10:14	221211
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	04/16/2024 0:28	221211
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	04/13/2024 10:14	221211
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/16/2024 0:28	221211
Lithium	*	1.4	3.0		**11.6**	µg/L	5	04/18/2024 20:30	221211
Molybdenum	NELAP	0.8	1.5		**7.3**	µg/L	5	04/13/2024 10:14	221211
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/13/2024 10:14	221211
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/16/2024 0:28	221211
CCV recovered outside the upper control limits for Be, Cr and Pb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	04/11/2024 18:36	221259

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-010 **Client Sample ID:** APW07

Matrix: GROUNDWATER **Collection Date:** 04/09/2024 12:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**46.90**	ft	1	04/09/2024 12:20	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**11**	NTU	1	04/09/2024 12:20	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**113**	mV	1	04/09/2024 12:20	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**796**	µS/cm	1	04/09/2024 12:20	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.1**	°C	1	04/09/2024 12:20	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.21**	mg/L	1	04/09/2024 12:20	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**6.87**		1	04/09/2024 12:20	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**574**	mg/L	1	04/12/2024 9:31	R345767
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**22**	mg/L	1	04/10/2024 16:59	R345620
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.40**	mg/L	1	04/17/2024 13:09	R345902
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**68**	mg/L	5	04/10/2024 17:05	R345623
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	**94.4**	mg/L	1	04/12/2024 11:46	221211
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/17/2024 13:33	221211
Arsenic	NELAP	0.4	1.0		**9.0**	µg/L	5	04/13/2024 10:26	221211
Barium	NELAP	0.7	1.0		**454**	µg/L	5	04/17/2024 13:33	221211
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/16/2024 0:58	221211
Boron	NELAP	9.2	25.0		**79.2**	µg/L	5	04/17/2024 13:33	221211
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/13/2024 10:26	221211
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	04/16/2024 0:58	221211
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	04/13/2024 10:26	221211
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/16/2024 0:58	221211
Lithium	*	1.4	3.0		**3.2**	µg/L	5	04/18/2024 20:51	221211
Molybdenum	NELAP	0.8	1.5		**2.1**	µg/L	5	04/13/2024 10:26	221211
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/13/2024 10:26	221211
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/16/2024 0:58	221211
CCV recovered outside the upper control limits for Be, Cr and Pb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	04/11/2024 18:38	221259

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-011 **Client Sample ID:** APW08

Matrix: GROUNDWATER **Collection Date:** 04/08/2024 14:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**37.78**	ft	1	04/08/2024 14:07	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.4**	NTU	1	04/08/2024 14:07	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-46**	mV	1	04/08/2024 14:07	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1130**	µS/cm	1	04/08/2024 14:07	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.4**	°C	1	04/08/2024 14:07	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.24**	mg/L	1	04/08/2024 14:07	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**7.20**		1	04/08/2024 14:07	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**650**	mg/L	2.5	04/09/2024 12:51	R345551
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**70**	mg/L	5	04/09/2024 12:59	R345528
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.43**	mg/L	1	04/15/2024 10:40	R345765
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**61**	mg/L	5	04/09/2024 12:59	R345531
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**108**	mg/L	1	04/10/2024 14:23	221127
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/17/2024 12:13	221127
Arsenic	NELAP	0.4	1.0		**27.2**	µg/L	5	04/11/2024 2:46	221127
Barium	NELAP	0.7	1.0		**432**	µg/L	5	04/17/2024 12:13	221127
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/17/2024 12:13	221127
Boron	NELAP	9.2	25.0		**91.9**	µg/L	5	04/16/2024 3:36	221127
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/11/2024 2:46	221127
Chromium	NELAP	0.7	1.5	J	**1.3**	µg/L	5	04/11/2024 16:52	221127
Cobalt	NELAP	0.1	1.0	J	**0.5**	µg/L	5	04/11/2024 2:46	221127
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/11/2024 2:46	221127
Lithium	*	1.4	3.0		**3.3**	µg/L	5	04/16/2024 3:36	221127
Molybdenum	NELAP	0.6	1.5		**5.0**	µg/L	5	04/13/2024 7:37	221127
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/11/2024 2:46	221127
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/11/2024 2:46	221127
LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	04/11/2024 19:40	221138

Laboratory Results

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

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-012 **Client Sample ID:** APW09

Matrix: GROUNDWATER **Collection Date:** 04/09/2024 13:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**26.46**	ft	1	04/09/2024 13:12	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**24**	NTU	1	04/09/2024 13:12	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-57**	mV	1	04/09/2024 13:12	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1350**	µS/cm	1	04/09/2024 13:12	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.4**	°C	1	04/09/2024 13:12	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.74**	mg/L	1	04/09/2024 13:12	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**7.49**		1	04/09/2024 13:12	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**795**	mg/L	2.5	04/12/2024 9:31	R345767
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	S	**13**	mg/L	1	04/10/2024 17:23	R345620
Matrix spike did not recover within control limits due to matrix interference.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.49**	mg/L	1	04/17/2024 13:11	R345902
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**125**	mg/L	10	04/10/2024 17:34	R345623
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**76.2**	mg/L	1	04/12/2024 11:50	221211
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/17/2024 14:09	221211
Arsenic	NELAP	0.4	1.0		**28.8**	µg/L	5	04/13/2024 10:20	221211
Barium	NELAP	0.7	1.0		**504**	µg/L	5	04/16/2024 18:22	221211
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/16/2024 0:34	221211
Boron	NELAP	9.2	25.0		**93.4**	µg/L	5	04/17/2024 14:09	221211
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/13/2024 10:20	221211
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	04/16/2024 0:34	221211
Cobalt	NELAP	0.1	1.0	J	**0.4**	µg/L	5	04/13/2024 10:20	221211
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/16/2024 0:34	221211
Lithium	*	1.4	3.0		**7.9**	µg/L	5	04/18/2024 20:34	221211
Molybdenum	NELAP	0.8	1.5		**3.6**	µg/L	5	04/13/2024 10:20	221211
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/13/2024 10:20	221211
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/16/2024 0:34	221211
CCV recovered outside the upper control limits for Be, Cr and Pb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	04/11/2024 18:41	221259

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-013 **Client Sample ID:** APW10

Matrix: GROUNDWATER **Collection Date:** 04/08/2024 12:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**17.95**	ft	1	04/08/2024 12:22	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**41**	NTU	1	04/08/2024 12:22	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-2**	mV	1	04/08/2024 12:22	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1510**	µS/cm	1	04/08/2024 12:22	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.0**	°C	1	04/08/2024 12:22	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.15**	mg/L	1	04/08/2024 12:22	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**7.14**		1	04/08/2024 12:22	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1010**	mg/L	2.5	04/09/2024 12:51	R345551
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**416**	mg/L	10	04/09/2024 13:23	R345528
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.31**	mg/L	1	04/15/2024 10:42	R345765
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**44**	mg/L	1	04/09/2024 13:18	R345531
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**148**	mg/L	1	04/10/2024 14:24	221127
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/17/2024 12:18	221127
Arsenic	NELAP	0.4	1.0		**15.4**	µg/L	5	04/11/2024 2:52	221127
Barium	NELAP	0.7	1.0		**30.1**	µg/L	5	04/17/2024 12:18	221127
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/17/2024 12:18	221127
Boron	NELAP	9.2	25.0		**98.6**	µg/L	5	04/16/2024 4:48	221127
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/11/2024 2:52	221127
Chromium	NELAP	0.7	1.5		**2.2**	µg/L	5	04/11/2024 16:58	221127
Cobalt	NELAP	0.1	1.0		**1.2**	µg/L	5	04/11/2024 2:52	221127
Lead	NELAP	0.6	1.0		**1.1**	µg/L	5	04/11/2024 2:52	221127
Lithium	*	1.4	3.0		**23.7**	µg/L	5	04/16/2024 4:48	221127
Molybdenum	NELAP	0.6	1.5		**7.4**	µg/L	5	04/13/2024 7:43	221127
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/11/2024 2:52	221127
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/11/2024 2:52	221127
LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	04/11/2024 19:42	221138

Laboratory Results

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Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-014 **Client Sample ID:** APW11

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 14:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**24.35**	ft	1	04/04/2024 14:00	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**40**	NTU	1	04/04/2024 14:00	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-48**	mV	1	04/04/2024 14:00	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1170**	µS/cm	1	04/04/2024 14:00	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.9**	°C	1	04/04/2024 14:00	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.87**	mg/L	1	04/04/2024 14:00	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**7.18**		1	04/04/2024 14:00	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**840**	mg/L	2.5	04/05/2024 12:54	R345434
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**304**	mg/L	10	04/08/2024 16:33	R345467
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.35**	mg/L	1	04/08/2024 8:55	R345417
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**25**	mg/L	1	04/08/2024 16:28	R345468
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**140**	mg/L	1	04/09/2024 10:28	221023
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.5**	µg/L	5	04/12/2024 11:32	221023
Arsenic	NELAP	0.4	1.0		**3.2**	µg/L	5	04/09/2024 19:00	221023
Barium	NELAP	0.7	1.0		**38.4**	µg/L	5	04/09/2024 19:00	221023
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/09/2024 19:00	221023
Boron	NELAP	9.2	25.0		**68.8**	µg/L	5	04/10/2024 20:39	221023
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/10/2024 20:39	221023
Chromium	NELAP	0.7	1.5		**2.6**	µg/L	5	04/09/2024 19:00	221023
Cobalt	NELAP	0.1	1.0	J	**0.9**	µg/L	5	04/09/2024 19:00	221023
Lead	NELAP	0.6	1.0		**2.7**	µg/L	5	04/09/2024 19:00	221023
Lithium	*	1.4	3.0		**23.0**	µg/L	5	04/12/2024 11:32	221023
Molybdenum	NELAP	0.6	1.5		**5.1**	µg/L	5	04/12/2024 11:32	221023
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/09/2024 19:00	221023
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/09/2024 19:00	221023
LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.07	0.20		**0.23**	µg/L	1	04/09/2024 12:04	221024

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-015 **Client Sample ID:** APW12

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**14.75**	ft	1	04/04/2024 12:54	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.1**	NTU	1	04/04/2024 12:54	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**21**	mV	1	04/04/2024 12:54	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2000**	µS/cm	1	04/04/2024 12:54	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.1**	°C	1	04/04/2024 12:54	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.90**	mg/L	1	04/04/2024 12:54	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**6.52**		1	04/04/2024 12:54	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1610**	mg/L	2.5	04/05/2024 12:54	R345434
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**750**	mg/L	20	04/08/2024 16:41	R345467
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.17**	mg/L	1	04/08/2024 8:57	R345417
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**30**	mg/L	1	04/08/2024 16:36	R345468
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	**285**	mg/L	1	04/09/2024 10:29	221023
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/12/2024 11:37	221023
Arsenic	NELAP	0.4	1.0	J	**0.5**	µg/L	5	04/09/2024 19:29	221023
Barium	NELAP	0.7	1.0		**31.7**	µg/L	5	04/09/2024 19:29	221023
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/09/2024 19:29	221023
Boron	NELAP	9.2	25.0		**740**	µg/L	5	04/10/2024 20:45	221023
Cadmium	NELAP	0.2	1.0	S	**< 1.0**	µg/L	5	04/10/2024 20:45	221023
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	04/09/2024 19:29	221023
Cobalt	NELAP	0.1	1.0		**1.0**	µg/L	5	04/09/2024 19:29	221023
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/09/2024 19:29	221023
Lithium	*	1.4	3.0		**33.8**	µg/L	5	04/12/2024 11:37	221023
Molybdenum	NELAP	0.6	1.5	J	**0.7**	µg/L	5	04/12/2024 11:37	221023
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/09/2024 19:29	221023
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/09/2024 19:29	221023
Matrix spike recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable.									
LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	04/25/2024 15:48	221952

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-016 **Client Sample ID:** APW13

Matrix: GROUNDWATER **Collection Date:** 04/08/2024 13:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**32.24**	ft	1	04/08/2024 13:19	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**19**	NTU	1	04/08/2024 13:19	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-64**	mV	1	04/08/2024 13:19	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1410**	µS/cm	1	04/08/2024 13:19	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.0**	°C	1	04/08/2024 13:19	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.31**	mg/L	1	04/08/2024 13:19	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**7.07**		1	04/08/2024 13:19	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**950**	mg/L	2.5	04/09/2024 12:52	R345551
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**250**	mg/L	10	04/09/2024 13:31	R345528
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.41**	mg/L	1	04/15/2024 11:11	R345765
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**53**	mg/L	2	04/09/2024 13:26	R345531
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**128**	mg/L	1	04/10/2024 14:26	221127
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/17/2024 13:16	221127
Arsenic	NELAP	0.4	1.0		**7.4**	µg/L	5	04/11/2024 2:58	221127
Barium	NELAP	0.7	1.0		**50.5**	µg/L	5	04/17/2024 13:16	221127
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/17/2024 13:16	221127
Boron	NELAP	9.2	25.0		**122**	µg/L	5	04/16/2024 4:54	221127
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/11/2024 2:58	221127
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	04/11/2024 17:04	221127
Cobalt	NELAP	0.1	1.0	J	**0.1**	µg/L	5	04/11/2024 2:58	221127
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/11/2024 2:58	221127
Lithium	*	1.4	3.0		**25.3**	µg/L	5	04/16/2024 4:54	221127
Molybdenum	NELAP	0.6	1.5		**7.0**	µg/L	5	04/13/2024 8:13	221127
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/11/2024 2:58	221127
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/11/2024 2:58	221127
LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	04/11/2024 19:45	221138

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-017 **Client Sample ID:** APW14

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 14:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**20.70**	ft	1	04/04/2024 14:27	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.0**	NTU	1	04/04/2024 14:27	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-78**	mV	1	04/04/2024 14:27	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1600**	µS/cm	1	04/04/2024 14:27	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.6**	°C	1	04/04/2024 14:27	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.29**	mg/L	1	04/04/2024 14:27	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**7.18**		1	04/04/2024 14:27	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**940**	mg/L	2.5	04/05/2024 12:54	R345434
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**380**	mg/L	10	04/08/2024 16:50	R345467
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.32**	mg/L	1	04/08/2024 9:00	R345417
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**40**	mg/L	2	04/08/2024 16:44	R345468
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**150**	mg/L	1	04/09/2024 10:34	221023
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.8**	µg/L	5	04/12/2024 12:10	221023
Arsenic	NELAP	0.4	1.0		**6.6**	µg/L	5	04/09/2024 19:06	221023
Barium	NELAP	0.7	1.0		**48.8**	µg/L	5	04/09/2024 19:06	221023
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/09/2024 19:06	221023
Boron	NELAP	9.2	25.0		**79.0**	µg/L	5	04/17/2024 14:18	221023
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/10/2024 21:51	221023
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	04/09/2024 19:06	221023
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	04/09/2024 19:06	221023
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/09/2024 19:06	221023
Lithium	*	1.4	3.0		**28.3**	µg/L	5	04/15/2024 20:02	221023
Molybdenum	NELAP	0.6	1.5		**4.7**	µg/L	5	04/12/2024 12:10	221023
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/09/2024 19:06	221023
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/09/2024 19:06	221023
LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.07	0.20		**< 0.20**	µg/L	1	04/09/2024 12:09	221024

Laboratory Results

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

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-018 **Client Sample ID:** APW15

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 10:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**20.96**	ft	1	04/04/2024 10:48	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**180**	NTU	1	04/04/2024 10:48	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-139**	mV	1	04/04/2024 10:48	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2110**	µS/cm	1	04/04/2024 10:48	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.5**	°C	1	04/04/2024 10:48	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.10**	mg/L	1	04/04/2024 10:48	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**6.99**		1	04/04/2024 10:48	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	80	100		**310**	mg/L	5	04/05/2024 12:55	R345434
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**12**	mg/L	1	04/08/2024 17:08	R345467
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.48**	mg/L	1	04/08/2024 9:01	R345417
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**234**	mg/L	10	04/08/2024 17:13	R345468
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**109**	mg/L	1	04/09/2024 10:36	221023
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/12/2024 12:15	221023
Arsenic	NELAP	0.4	1.0		**29.6**	µg/L	5	04/09/2024 19:11	221023
Barium	NELAP	0.7	1.0		**584**	µg/L	5	04/09/2024 19:11	221023
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/09/2024 19:11	221023
Boron	NELAP	9.2	25.0		**112**	µg/L	5	04/17/2024 14:22	221023
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/10/2024 21:57	221023
Chromium	NELAP	0.7	1.5		**4.0**	µg/L	5	04/09/2024 19:11	221023
Cobalt	NELAP	0.1	1.0		**1.4**	µg/L	5	04/09/2024 19:11	221023
Lead	NELAP	0.6	1.0		**2.2**	µg/L	5	04/09/2024 19:11	221023
Lithium	*	1.4	3.0		**9.1**	µg/L	5	04/15/2024 20:08	221023
Molybdenum	NELAP	0.6	1.5		**6.3**	µg/L	5	04/12/2024 12:15	221023
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/09/2024 19:11	221023
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/09/2024 19:11	221023
LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.07	0.20		**< 0.20**	µg/L	1	04/09/2024 12:16	221024

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-019 **Client Sample ID:** APW16

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 11:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**40.14**	ft	1	04/04/2024 11:43	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.4**	NTU	1	04/04/2024 11:43	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-128**	mV	1	04/04/2024 11:43	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1370**	µS/cm	1	04/04/2024 11:43	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.7**	°C	1	04/04/2024 11:43	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.27**	mg/L	1	04/04/2024 11:43	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**7.31**		1	04/04/2024 11:43	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**705**	mg/L	2.5	04/05/2024 12:55	R345434
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**11**	mg/L	1	04/08/2024 17:16	R345467
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.77**	mg/L	1	04/08/2024 9:03	R345417
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**68**	mg/L	2	04/08/2024 17:21	R345468
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**105**	mg/L	1	04/09/2024 10:37	221023
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/12/2024 12:19	221023
Arsenic	NELAP	0.4	1.0		**22.1**	µg/L	5	04/09/2024 19:17	221023
Barium	NELAP	0.7	1.0		**540**	µg/L	5	04/09/2024 19:17	221023
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/09/2024 19:17	221023
Boron	NELAP	9.2	25.0		**120**	µg/L	5	04/17/2024 14:27	221023
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/10/2024 22:03	221023
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	04/09/2024 19:17	221023
Cobalt	NELAP	0.1	1.0	J	**0.1**	µg/L	5	04/09/2024 19:17	221023
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/09/2024 19:17	221023
Lithium	*	1.4	3.0	J	**3.0**	µg/L	5	04/12/2024 12:19	221023
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	04/12/2024 12:19	221023
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/09/2024 19:17	221023
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/09/2024 19:17	221023

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.07	0.20		**< 0.20**	µg/L	1	04/09/2024 12:18	221024

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-020 **Client Sample ID:** APW17

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**41.25**	ft	1	04/04/2024 12:38	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**20**	NTU	1	04/04/2024 12:38	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-76**	mV	1	04/04/2024 12:38	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1250**	µS/cm	1	04/04/2024 12:38	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.9**	°C	1	04/04/2024 12:38	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.34**	mg/L	1	04/04/2024 12:38	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**7.30**		1	04/04/2024 12:38	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**650**	mg/L	2.5	04/05/2024 12:55	R345434
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**66**	mg/L	2	04/08/2024 17:24	R345467
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.53**	mg/L	1	04/08/2024 9:05	R345417
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**53**	mg/L	2	04/08/2024 17:24	R345468
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**126**	mg/L	1	04/09/2024 10:39	221023
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/12/2024 12:24	221023
Arsenic	NELAP	0.4	1.0		**19.6**	µg/L	5	04/09/2024 19:23	221023
Barium	NELAP	0.7	1.0		**551**	µg/L	5	04/09/2024 19:23	221023
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/09/2024 19:23	221023
Boron	NELAP	9.2	25.0		**69.1**	µg/L	5	04/17/2024 14:31	221023
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/10/2024 22:09	221023
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	04/09/2024 19:23	221023
Cobalt	NELAP	0.1	1.0	J	**0.1**	µg/L	5	04/09/2024 19:23	221023
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/09/2024 19:23	221023
Lithium	*	1.4	3.0		**3.6**	µg/L	5	04/15/2024 20:20	221023
Molybdenum	NELAP	0.6	1.5		**5.3**	µg/L	5	04/12/2024 12:24	221023
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/09/2024 19:23	221023
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/09/2024 19:23	221023
LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.07	0.20		**< 0.20**	µg/L	1	04/09/2024 12:20	221024

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-021 **Client Sample ID:** APW18

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**51.81**	ft	1	04/04/2024 13:35	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**14**	NTU	1	04/04/2024 13:35	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-144**	mV	1	04/04/2024 13:35	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1070**	µS/cm	1	04/04/2024 13:35	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.9**	°C	1	04/04/2024 13:35	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.24**	mg/L	1	04/04/2024 13:35	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**7.55**		1	04/04/2024 13:35	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**565**	mg/L	2.5	04/05/2024 12:55	R345434
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**44**	mg/L	1	04/08/2024 17:27	R345467
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.58**	mg/L	1	04/08/2024 9:06	R345417
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**24**	mg/L	1	04/08/2024 17:27	R345468
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**87.6**	mg/L	1	04/09/2024 10:41	221023
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/12/2024 12:29	221023
Arsenic	NELAP	0.4	1.0		**1.9**	µg/L	5	04/09/2024 20:11	221023
Barium	NELAP	0.7	1.0		**359**	µg/L	5	04/09/2024 20:11	221023
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/09/2024 20:11	221023
Boron	NELAP	9.2	25.0		**95.5**	µg/L	5	04/17/2024 14:35	221023
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/10/2024 22:15	221023
Chromium	NELAP	0.7	1.5	J	**0.8**	µg/L	5	04/09/2024 20:11	221023
Cobalt	NELAP	0.1	1.0	J	**0.3**	µg/L	5	04/09/2024 20:11	221023
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/09/2024 20:11	221023
Lithium	*	1.4	3.0		**9.4**	µg/L	5	04/15/2024 21:45	221023
Molybdenum	NELAP	0.6	1.5		**4.2**	µg/L	5	04/12/2024 12:29	221023
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/09/2024 20:11	221023
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/09/2024 20:11	221023

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.07	0.20		**< 0.20**	µg/L	1	04/09/2024 12:23	221024

Laboratory Results

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

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24
Lab ID: 24031341-059
Client Sample ID: SG02
Matrix: GROUNDWATER
Collection Date: 04/01/2024 15:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**2.40**	ft	1	04/01/2024 15:20	R345986

Laboratory Results

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

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-066 **Client Sample ID:** XSG01

Matrix: GROUNDWATER **Collection Date:** 04/01/2024 14:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.06**	ft	1	04/01/2024 14:03	R345986

Laboratory Results

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

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-067 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 04/10/2024 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	04/12/2024 9:32	R345767
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	04/15/2024 14:05	R345761
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	04/15/2024 12:07	R345765
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	04/15/2024 14:05	R345788
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**< 0.100**	mg/L	1	04/11/2024 12:28	221254
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/17/2024 12:09	221254
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/13/2024 6:00	221254
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	04/15/2024 22:46	221254
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/15/2024 22:46	221254
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	04/17/2024 12:09	221254
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/15/2024 22:46	221254
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	04/15/2024 22:46	221254
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	04/13/2024 6:00	221254
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/15/2024 22:46	221254
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	04/15/2024 22:46	221254
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	04/13/2024 6:00	221254
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/15/2024 22:46	221254
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/15/2024 22:46	221254

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

Contamination present in the MBLK for Mn. Sample results below the reporting limit are reportable per the TNI Standard.

CCV recovered outside the upper control limits for Ba, Be, Cr, Fe, Pb and Mn. Sample results are below the reporting limit. Data is reportable per the TNI standard.

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	04/11/2024 19:10	221259

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-069 **Client Sample ID:** APW02 Duplicate

Matrix: GROUNDWATER **Collection Date:** 04/09/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**3.93**	ft	1	04/09/2024 11:56	R345986
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.1**	NTU	1	04/09/2024 11:56	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**45**	mV	1	04/09/2024 11:56	R345986
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**5150**	µS/cm	1	04/09/2024 11:56	R345986
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.3**	°C	1	04/09/2024 11:56	R345986
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.84**	mg/L	1	04/09/2024 11:56	R345986
SW-846 9040B FIELD									
pH	*	0	1.00		**6.73**		1	04/09/2024 11:56	R345986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**4580**	mg/L	2.5	04/15/2024 11:51	R345844
SW-846 9036 (TOTAL)									
Sulfate	NELAP	614	1000		**2890**	mg/L	100	04/10/2024 17:50	R345620
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.17**	mg/L	1	04/15/2024 12:42	R345765
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**77**	mg/L	10	04/10/2024 17:45	R345623
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**437**	mg/L	1	04/12/2024 12:32	221211
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/17/2024 14:13	221211
Arsenic	NELAP	0.4	1.0	J	**0.5**	µg/L	5	04/13/2024 11:39	221211
Barium	NELAP	0.7	1.0		**8.5**	µg/L	5	04/16/2024 18:27	221211
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/16/2024 0:40	221211
Boron	NELAP	9.2	25.0		**70.4**	µg/L	5	04/17/2024 14:13	221211
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/13/2024 11:39	221211
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	04/16/2024 0:40	221211
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	04/13/2024 11:39	221211
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/16/2024 0:40	221211
Lithium	*	1.4	3.0		**98.4**	µg/L	5	04/18/2024 20:38	221211
Molybdenum	NELAP	0.6	1.5	J	**1.5**	µg/L	5	04/13/2024 11:39	221211
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/13/2024 11:39	221211
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/16/2024 0:40	221211
CCV recovered outside the upper control limits for Be, Cr and Pb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.10	0.20		**< 0.20**	µg/L	1	04/12/2024 17:59	221268

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

Lab ID: 24031341-071 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 04/10/2024 15:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	04/12/2024 9:32	R345767
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	04/15/2024 14:07	R345761
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	04/15/2024 12:04	R345765
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	04/15/2024 14:07	R345788
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**< 0.100**	mg/L	1	04/11/2024 12:53	221254
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/17/2024 12:22	221254
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	04/13/2024 6:06	221254
Barium	NELAP	0.7	1.0	S	**< 1.0**	µg/L	5	04/15/2024 23:28	221254
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/15/2024 23:28	221254
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	04/17/2024 12:22	221254
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	04/15/2024 23:28	221254
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	04/15/2024 23:28	221254
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	04/13/2024 6:06	221254
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/15/2024 23:28	221254
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	04/15/2024 23:28	221254
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	04/13/2024 6:06	221254
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	04/15/2024 23:28	221254
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	04/15/2024 23:28	221254

Matrix spike recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable.

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

Contamination present in the MBLK for Mn. Sample results below the reporting limit are reportable per the TNI Standard.

CCV recovered outside the upper control limits for Ba, Be, Cr, Fe, Pb and Mn. Sample results are below the reporting limit. Data is reportable per the TNI standard.

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.10	0.20		**< 0.20**	µg/L	1	04/12/2024 18:01	221268

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: NEW-24Q2

Work Order: 24031341
Report Date: 14-May-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24031341-004	APW02	Groundwater	4	04/09/2024 11:56
24031341-005	APW03	Groundwater	4	04/09/2024 10:55
24031341-006	APW04	Groundwater	4	04/09/2024 9:54
24031341-007	APW05	Groundwater	3	04/04/2024 14:41
24031341-008	APW05S	Groundwater	2	04/02/2024 13:52
24031341-009	APW06	Groundwater	2	04/09/2024 12:44
24031341-010	APW07	Groundwater	3	04/09/2024 12:20
24031341-011	APW08	Groundwater	3	04/08/2024 14:07
24031341-012	APW09	Groundwater	3	04/09/2024 13:12
24031341-013	APW10	Groundwater	2	04/08/2024 12:22
24031341-014	APW11	Groundwater	2	04/04/2024 14:00
24031341-015	APW12	Groundwater	2	04/04/2024 12:54
24031341-016	APW13	Groundwater	2	04/08/2024 13:19
24031341-017	APW14	Groundwater	2	04/04/2024 14:27
24031341-018	APW15	Groundwater	2	04/04/2024 10:48
24031341-019	APW16	Groundwater	2	04/04/2024 11:43
24031341-020	APW17	Groundwater	3	04/04/2024 12:38
24031341-021	APW18	Groundwater	2	04/04/2024 13:35
24031341-059	SG02	Groundwater	1	04/01/2024 15:20
24031341-066	XSG01	Groundwater	1	04/01/2024 14:03
24031341-067	Field Blank	Aqueous	16	04/10/2024 10:45
24031341-069	APW02 Duplicate	Groundwater	4	04/09/2024 11:56
24031341-071	Equipment Blank 1	Aqueous	16	04/10/2024 15:16

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

STANDARD METHODS 2510 B FIELD

Batch R345986 **SampType:** LCS Units **µS/cm**
SampID: LCS-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	04/02/2024

Batch R345986 **SampType:** LCS Units **µS/cm**
SampID: LCS-10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	04/08/2024

Batch R345986 **SampType:** LCS Units **µS/cm**
SampID: LCS-11

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1400**	1412	0	99.5	90	110	04/09/2024

Batch R345986 **SampType:** LCS Units **µS/cm**
SampID: LCS-12

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.8	90	110	04/10/2024

Batch R345986 **SampType:** LCS Units **µS/cm**
SampID: LCS-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	04/03/2024

Batch R345986 **SampType:** LCS Units **µS/cm**
SampID: LCS-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	04/04/2024

Batch R345986 **SampType:** LCS Units **µS/cm**
SampID: LCS-4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	04/08/2024

Batch R345986 **SampType:** LCS Units **µS/cm**
SampID: LCS-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	04/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

STANDARD METHODS 2510 B FIELD

Batch R345986 **SampType:** LCS Units **µS/cm**
SampID: LCS-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	04/10/2024

Batch R345986 **SampType:** LCS Units **µS/cm**
SampID: LCS-7

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	04/02/2024

Batch R345986 **SampType:** LCS Units **µS/cm**
SampID: LCS-8

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	04/03/2024

Batch R345986 **SampType:** LCS Units **µS/cm**
SampID: LCS-9

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.7	90	110	04/04/2024

SW-846 9040B FIELD

Batch R345986 **SampType:** LCS Units
SampID: LCS-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	04/02/2024

Batch R345986 **SampType:** LCS Units
SampID: LCS-10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	04/08/2024

Batch R345986 **SampType:** LCS Units
SampID: LCS-11

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	04/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9040B FIELD

Batch R345986 **SampType:** LCS Units

SampID: LCS-12

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	04/10/2024

Batch R345986 **SampType:** LCS Units

SampID: LCS-2

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

Batch R345986 **SampType:** LCS Units

SampID: LCS-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.99**	7.000	0	99.9	98.57	101.4	04/04/2024

Batch R345986 **SampType:** LCS Units

SampID: LCS-4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.05**	7.000	0	100.7	98.57	101.4	04/08/2024

Batch R345986 **SampType:** LCS Units

SampID: LCS-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	04/09/2024

Batch R345986 **SampType:** LCS Units

SampID: LCS-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.07**	7.000	0	101.0	98.57	101.4	04/10/2024

Batch R345986 **SampType:** LCS Units

SampID: LCS-7

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.08**	7.000	0	101.1	98.57	101.4	04/02/2024

Batch R345986 **SampType:** LCS Units

SampID: LCS-8

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	04/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9040B FIELD

Batch R345986 **SampType:** LCS Units

SampID: LCS-9

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

EPA 1664A

Batch R345389 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**< 5**	4.400	0	0	-100	100	04/05/2024

Batch R345389 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**43**	40.00	0	108.5	78	114	04/05/2024

Batch R345389 **SampType:** MS Units **mg/L**

SampID: 24040081-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		4		**25**	31.69	0	78.2	78	114	04/05/2024

Batch R345389 **SampType:** MS Units **mg/L**

SampID: 24040123-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5	S	**25**	38.18	0	64.8	78	114	04/05/2024

Batch R345686 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**< 5**	4.400	0	0	-100	100	04/10/2024

Batch R345686 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**41**	40.00	0	103.0	78	114	04/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

EPA 1664A

Batch R345686 **SampType:** MS Units **mg/L**
SampID: 24040573-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		6	S	**37**	45.07	6.655	68.2	78	114	04/10/2024

Batch R345714 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**< 5**	4.400	0	0	-100	100	04/12/2024

Batch R345714 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**37**	40.00	0	91.8	78	114	04/12/2024

Batch R345714 **SampType:** MS Units **mg/L**
SampID: 24040747-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		4	S	**28**	32.15	4.628	72.1	78	114	04/12/2024

Batch R345847 **SampType:** MBLK Units **mg/L**
SampID: MBLK2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**< 5**	4.400	0	0	-100	100	04/16/2024

Batch R345847 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**36**	40.00	0	88.8	78	114	04/15/2024

Batch R345847 **SampType:** MS Units **mg/L**
SampID: 24040870-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		6		**49**	44.41	0	109.8	78	114	04/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

EPA 600 350.1 (DISSOLVED)

Batch R345348 **SampType:** MS Units **mg/L**
SampID: 24031341-043GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**23.4**	20.00	4.964	92.2	90	110	04/05/2024

Batch R345348 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-043GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**23.7**	20.00	4.964	93.8	23.41	1.34	04/05/2024

Batch R345719 **SampType:** MS Units **mg/L**
SampID: 24031341-029GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.98**	2.000	0.06600	95.6	90	110	04/12/2024

Batch R345719 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-029GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.97**	2.000	0.06600	95.0	1.978	0.61	04/12/2024

Batch R345719 **SampType:** MS Units **mg/L**
SampID: 24031341-030GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.89**	2.000	0	94.4	90	110	04/12/2024

Batch R345719 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-030GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0	94.2	1.889	0.27	04/12/2024

EPA 600 350.1 (TOTAL)

Batch R345235 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	04/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

EPA 600 350.1 (TOTAL)

Batch R345235 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.01**	1.000	0	101.4	90	110	04/03/2024

Batch R345235 **SampType:** MS Units **mg/L**
SampID: 24032370-003DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**2.00**	2.000	0.2290	88.8	90	110	04/03/2024

Batch R345235 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24032370-003DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.98**	2.000	0.2290	87.7	2.004	1.10	04/03/2024

Batch R345235 **SampType:** MS Units **mg/L**
SampID: 24040044-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**4.07**	4.000	0.3480	93.1	90	110	04/03/2024

Batch R345235 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040044-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**4.09**	4.000	0.3480	93.5	4.072	0.42	04/03/2024

Batch R345235 **SampType:** MS Units **mg/L**
SampID: 24040062-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0.05700	93.4	90	110	04/03/2024

Batch R345235 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040062-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0.05700	91.4	1.925	2.10	04/03/2024

Batch R345235 **SampType:** MS Units **mg/L**
SampID: 24040150-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.54**	2.000	0.6610	94.0	90	110	04/03/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

EPA 600 350.1 (TOTAL)

Batch R345235 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040150-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.54**	2.000	0.6610	94.0	2.541	0.04	04/03/2024

Batch R345235 **SampType:** MS Units **mg/L**
SampID: 24040264-004HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0.08400	90.0	90	110	04/03/2024

Batch R345235 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040264-004HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.90**	2.000	0.08400	91.0	1.883	1.11	04/03/2024

Batch R345235 **SampType:** MS Units **mg/L**
SampID: 24040293-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.95**	2.000	0.06900	94.0	90	110	04/03/2024

Batch R345235 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040293-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.97**	2.000	0.06900	95.0	1.949	1.02	04/03/2024

Batch R345235 **SampType:** MS Units **mg/L**
SampID: 24040293-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.87**	2.000	0.1190	87.6	90	110	04/03/2024

Batch R345235 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040293-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.90**	2.000	0.1190	88.8	1.871	1.27	04/03/2024

Batch R345348 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	04/05/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

EPA 600 350.1 (TOTAL)

Batch R345348 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.03**	1.000	0	102.6	90	110	04/05/2024

Batch R345348 **SampType:** MS Units **mg/L**
SampID: 24040429-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0.04700	91.4	90	110	04/05/2024

Batch R345348 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040429-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.90**	2.000	0.04700	92.4	1.876	1.01	04/05/2024

Batch R345348 **SampType:** MS Units **mg/L**
SampID: 24040447-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.21**	2.000	1.363	92.2	90	110	04/05/2024

Batch R345348 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040447-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.23**	2.000	1.363	93.4	3.208	0.71	04/05/2024

Batch R345348 **SampType:** MS Units **mg/L**
SampID: 24040458-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.95**	2.000	0.1140	91.6	90	110	04/05/2024

Batch R345348 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040458-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.95**	2.000	0.1140	91.7	1.946	0.10	04/05/2024

Batch R345348 **SampType:** MS Units **mg/L**
SampID: 24040472-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.12**	2.000	0.2540	93.0	90	110	04/05/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

EPA 600 350.1 (TOTAL)

Batch R345348 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040472-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.10**	2.000	0.2540	92.5	2.115	0.52	04/05/2024

Batch R345348 **SampType:** MS Units **mg/L**
SampID: 24040517-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0	94.2	90	110	04/05/2024

Batch R345348 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040517-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0	94.0	1.884	0.21	04/05/2024

Batch R345544 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	04/10/2024

Batch R345544 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.00**	1.000	0	99.8	90	110	04/10/2024

Batch R345544 **SampType:** MS Units **mg/L**
SampID: 24040686-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.81**	2.000	0.9240	94.2	90	110	04/10/2024

Batch R345544 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040686-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.83**	2.000	0.9240	95.2	2.807	0.75	04/10/2024

Batch R345544 **SampType:** MS Units **mg/L**
SampID: 24040791-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0.05700	93.0	90	110	04/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

EPA 600 350.1 (TOTAL)

Batch R345544 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040791-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.96**	2.000	0.05700	95.2	1.916	2.27	04/10/2024

Batch R345719 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	04/12/2024

Batch R345719 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.01**	1.000	0	100.6	90	110	04/12/2024

Batch R345719 **SampType:** MS Units **mg/L**
SampID: 24040821-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.83**	2.000	0	91.7	90	110	04/12/2024

Batch R345719 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040821-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.85**	2.000	0	92.4	1.833	0.76	04/12/2024

Batch R345719 **SampType:** MS Units **mg/L**
SampID: 24040850-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**26.4**	20.00	7.802	92.8	90	110	04/12/2024

Batch R345719 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040850-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**26.6**	20.00	7.802	93.8	26.36	0.73	04/12/2024

Batch R345719 **SampType:** MS Units **mg/L**
SampID: 24040870-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.40**	2.000	0.5860	90.8	90	110	04/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

EPA 600 350.1 (TOTAL)

Batch R345719 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040870-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.45**	2.000	0.5860	93.0	2.403	1.77	04/12/2024

Batch R345719 **SampType:** MS Units **mg/L**
SampID: 24040922-009DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.93**	2.000	0.08000	92.6	90	110	04/12/2024

Batch R345719 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040922-009DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0.08000	92.0	1.931	0.52	04/12/2024

Batch R345719 **SampType:** MS Units **mg/L**
SampID: 24040925-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0	93.4	90	110	04/12/2024

Batch R345719 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040925-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.89**	2.000	0	94.5	1.868	1.17	04/12/2024

Batch R345719 **SampType:** MS Units **mg/L**
SampID: 24040973-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.82**	2.000	0	90.8	90	110	04/12/2024

Batch R345719 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040973-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.86**	2.000	0	92.8	1.817	2.12	04/12/2024

Batch R345719 **SampType:** MS Units **mg/L**
SampID: 24040973-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.32**	2.000	0.4780	92.2	90	110	04/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

EPA 600 350.1 (TOTAL)

Batch R345719 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040973-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.31**	2.000	0.4780	91.6	2.321	0.48	04/12/2024

Batch R345719 **SampType:** MS Units **mg/L**
SampID: 24040983-011CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.96**	2.000	0.1070	92.8	90	110	04/12/2024

Batch R345719 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040983-011CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.97**	2.000	0.1070	93.0	1.962	0.20	04/12/2024

Batch R345719 **SampType:** MS Units **mg/L**
SampID: 24040996-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.58**	2.000	1.718	93.2	90	110	04/12/2024

Batch R345719 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040996-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.58**	2.000	1.718	93.2	3.583	0.06	04/12/2024

Batch R345719 **SampType:** MS Units **mg/L**
SampID: 24041070-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.94**	2.000	0.07100	93.5	90	110	04/12/2024

Batch R345719 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041070-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0.07100	92.6	1.941	0.98	04/12/2024

Batch R345719 **SampType:** MS Units **mg/L**
SampID: 24041107-002GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.36**	2.000	0.4650	94.8	90	110	04/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

EPA 600 350.1 (TOTAL)

Batch R345719 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041107-002GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.34**	2.000	0.4650	93.8	2.361	0.81	04/12/2024

Batch R345771 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	04/15/2024

Batch R345771 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.03**	1.000	0	103.1	90	110	04/15/2024

Batch R345771 **SampType:** MS Units **mg/L**
SampID: 24041165-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**29.4**	20.00	10.68	93.5	90	110	04/15/2024

Batch R345771 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041165-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**29.1**	20.00	10.68	92.2	29.37	0.90	04/15/2024

Batch R345771 **SampType:** MS Units **mg/L**
SampID: 24041166-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0.03700	91.6	90	110	04/15/2024

Batch R345771 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041166-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.85**	2.000	0.03700	90.6	1.868	1.08	04/15/2024

Batch R345771 **SampType:** MS Units **mg/L**
SampID: 24041167-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.04**	2.000	0.2160	91.2	90	110	04/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

EPA 600 350.1 (TOTAL)

Batch R345771 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041167-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.06**	2.000	0.2160	92.1	2.040	0.88	04/15/2024

Batch R345771 **SampType:** MS Units **mg/L**
SampID: 24041187-005DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0.06100	92.8	90	110	04/15/2024

Batch R345771 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041187-005DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0.06100	92.8	1.917	0.00	04/15/2024

Batch R345771 **SampType:** MS Units **mg/L**
SampID: 24041187-011DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.90**	2.000	0	95.2	90	110	04/15/2024

Batch R345771 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041187-011DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.90**	2.000	0	95.2	1.905	0.05	04/15/2024

Batch R345771 **SampType:** MS Units **mg/L**
SampID: 24041193-003CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**4.84**	2.000	2.873	98.2	90	110	04/15/2024

Batch R345771 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041193-003CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**4.79**	2.000	2.873	96.1	4.838	0.91	04/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

EPA 600 365.4 (TOTAL)

Batch 221308 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240411 TP1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**< 0.100**	0.0660	0	0	-100	100	04/16/2024

Batch 221308 **SampType:** LCS Units **mg/L**
SampID: LCS 240411 TP1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**0.968**	1.000	0	96.8	85	115	04/16/2024

Batch 221308 **SampType:** MS Units **mg/L**
SampID: 24040920-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**2.28**	1.000	1.257	101.9	85	115	04/16/2024

Batch 221308 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040920-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Total (as P)		0.100		**2.27**	1.000	1.257	101.3	2.276	0.26	04/16/2024

Batch 221308 **SampType:** MS Units **mg/L**
SampID: 24040943-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**1.26**	1.000	0.2340	102.7	85	115	04/16/2024

Batch 221308 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040943-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Total (as P)		0.100		**1.25**	1.000	0.2340	101.3	1.261	1.12	04/16/2024

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R345269 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/03/2024

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Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R345269 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**942**	1000	0	94.2	90	110	04/03/2024

Batch R345269 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040064-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**345**				345.0	0.00	04/03/2024

Batch R345345 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/04/2024

Batch R345345 **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		**926**	1000	0	92.6	90	110	04/04/2024

Batch R345345 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040307-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50	H	**1980**				2010	1.25	04/04/2024

Batch R345434 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/05/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/05/2024

Batch R345434 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**932**	1000	0	93.2	90	110	04/05/2024
Total Dissolved Solids		20		**908**	1000	0	90.8	90	110	04/05/2024

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Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R345434 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040526-005BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**215**				200.0	7.23	04/05/2024

Batch R345434 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040640-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1110**				1080	2.38	04/05/2024

Batch R345551 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/09/2024

Batch R345551 **SampType:** MBLK Units **mg/L**
SampID: MBLK-221070

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/09/2024

Batch R345551 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**954**	1000	0	95.4	90	110	04/09/2024

Batch R345551 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040747-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**3220**				3225	0.00	04/09/2024

Batch R345651 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/10/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R345651 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**1020**	1000	0	102.0	90	110	04/10/2024
Total Dissolved Solids		20		**932**	1000	0	93.2	90	110	04/10/2024

Batch R345651 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24031341-031ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**3190**				3212	0.62	04/10/2024

Batch R345651 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040919-005ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**2600**				2385	8.43	04/10/2024

Batch R345707 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/11/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/11/2024

Batch R345707 **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		**928**	1000	0	92.8	90	110	04/11/2024
Total Dissolved Solids		20		**924**	1000	0	92.4	90	110	04/11/2024

Batch R345707 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040913-009ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**3540**				3545	0.28	04/11/2024

Batch R345767 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/12/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R345767 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**900**	1000	0	90.0	90	110	04/12/2024
Total Dissolved Solids		20		**912**	1000	0	91.2	90	110	04/12/2024

Batch R345844 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/15/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/15/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/15/2024

Batch R345844 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**936**	1000	0	93.6	90	110	04/15/2024
Total Dissolved Solids		20		**910**	1000	0	91.0	90	110	04/15/2024
Total Dissolved Solids		20		**914**	1000	0	91.4	90	110	04/15/2024

Batch R345844 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24031341-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**4380**				4280	2.31	04/15/2024

Batch R345844 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24031341-030ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200		**4180**				4140	0.96	04/15/2024

Batch R345844 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24031341-069ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**4480**				4580	2.21	04/15/2024

Batch R345844 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040873-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		1000		**28000**				29500	5.22	04/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R345844 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041187-007ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**505**				520.0	2.93	04/15/2024

Batch R345963 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/17/2024

Batch R345963 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**950**	1000	0	95.0	90	110	04/17/2024

Batch R345963 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041299-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**360**				345.0	4.26	04/17/2024

Batch R346369 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/25/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/25/2024

Batch R346369 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**960**	1000	0	96.0	90	110	04/25/2024
Total Dissolved Solids		20		**950**	1000	0	95.0	90	110	04/25/2024

Batch R346369 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041285-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**274**				278.0	1.45	04/25/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R346369 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24042057-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**434**				436.0	0.46	04/25/2024

Batch R346521 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/29/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/29/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/29/2024

Batch R346521 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**984**	1000	0	98.4	90	110	04/29/2024
Total Dissolved Solids		20		**976**	1000	0	97.6	90	110	04/29/2024
Total Dissolved Solids		20		**952**	1000	0	95.2	90	110	04/29/2024

Batch R346521 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24042193-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**364**				344.0	5.65	04/29/2024

Batch R346521 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24042193-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**260**				245.0	5.94	04/29/2024

Batch R346581 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/30/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R346581 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**940**	1000	0	94.0	90	110	04/30/2024
Total Dissolved Solids		20		**952**	1000	0	95.2	90	110	04/30/2024

Batch R346581 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24042262-006FDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**600**				582.0	3.05	04/30/2024

STANDARD METHODS 2540 D 1997, 2011

Batch R345633 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	04/11/2024
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	04/11/2024
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	04/11/2024
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	04/11/2024
Total Suspended Solids	*	0.5		**< 0.5**	0.3000	0	0	-100	100	04/11/2024

Batch R345633 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		**91**	100.0	0	91.0	85	115	04/11/2024
Total Suspended Solids		6		**93**	100.0	0	93.0	85	115	04/11/2024
Total Suspended Solids		6		**95**	100.0	0	95.0	85	115	04/11/2024
Total Suspended Solids		6		**87**	100.0	0	87.0	85	115	04/11/2024

Batch R345633 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24040921-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				0	0.00	04/11/2024

Batch R345633 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24040943-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**11**				11.00	0.00	04/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

STANDARD METHODS 2540 D 1997, 2011

Batch R345633 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24040977-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				0	0.00	04/11/2024

Batch R345633 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24040978-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				0	0.00	04/11/2024

Batch R345633 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24040978-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				4.000	0.00	04/11/2024

Batch R345633 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24040979-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**9**				9.000	0.00	04/11/2024

Batch R345633 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24040982-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids	*	1.1		**< 1.1**				0	0.00	04/11/2024

Batch R345633 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24040983-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6	J	**5**				4.000	0.00	04/11/2024

Batch R345633 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24041020-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		353		**3060**				3188	4.13	04/11/2024

Batch R345633 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24041021-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids	*	1.0	R	**4.5**				2.717	49.58	04/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

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

Batch R345233 **SampType:** MBLK Units **mg/L**
SampID: MB-R345233

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	04/03/2024

Batch R345233 **SampType:** LCS Units **mg/L**
SampID: LCS-R345233

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	97.2	90	110	04/03/2024

Batch R345233 **SampType:** MS Units **mg/L**
SampID: 24031341-041BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.45**	0.5000	0	90.6	85	115	04/03/2024

Batch R345233 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-041BMSD

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	95.0	0.4530	4.74	04/03/2024

Batch R345314 **SampType:** MS Units **mg/L**
SampID: 24031341-023BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	92.2	85	115	04/04/2024

Batch R345314 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-023BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	93.4	0.4610	1.29	04/04/2024

Batch R345513 **SampType:** MS Units **mg/L**
SampID: 24031341-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.0	85	115	04/09/2024

Batch R345513 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.0	0.4700	0.00	04/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch R345513 **SampType:** MS Units **mg/L**
SampID: 24031341-070BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	93.4	85	115	04/09/2024

Batch R345513 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-070BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.0	0.4670	0.64	04/09/2024

Batch R345579 **SampType:** MS Units **mg/L**
SampID: 24031341-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	97.2	85	115	04/10/2024

Batch R345579 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.0	0.4860	3.35	04/10/2024

Batch R345579 **SampType:** MS Units **mg/L**
SampID: 24031341-031BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.45**	0.5000	0	89.4	85	115	04/10/2024

Batch R345579 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-031BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.42**	0.5000	0	85.0	0.4470	5.05	04/10/2024

Batch R345579 **SampType:** MS Units **mg/L**
SampID: 24040873-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.60**	0.5000	0.1470	90.0	85	115	04/10/2024

Batch R345579 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040873-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.60**	0.5000	0.1470	90.8	0.5970	0.67	04/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch R345233 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	04/03/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	04/03/2024

Batch R345233 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	97.2	90	110	04/03/2024
Nitrogen, Nitrite (as N)		0.05		**0.29**	0.3045	0	96.2	90	110	04/03/2024

Batch R345233 **SampType:** MS Units **mg/L**
SampID: 24040311-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0.03500	91.0	85	115	04/03/2024

Batch R345233 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040311-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0.03500	93.2	0.4900	2.22	04/03/2024

Batch R345233 **SampType:** MS Units **mg/L**
SampID: 24040380-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.71**	0.5000	0.2680	89.0	85	115	04/03/2024

Batch R345233 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040380-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	E	**0.73**	0.5000	0.2680	92.0	0.7130	2.08	04/03/2024

Batch R345314 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	04/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch R345314 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.29**	0.3045	0	95.9	90	110	04/04/2024

Batch R345314 **SampType:** MS Units **mg/L**
SampID: 24040481-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.66**	0.5000	0.2080	89.6	85	115	04/04/2024

Batch R345314 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040481-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.66**	0.5000	0.2080	91.0	0.6560	1.06	04/04/2024

Batch R345513 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	04/09/2024

Batch R345513 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	97.2	90	110	04/09/2024

Batch R345579 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	04/10/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	04/10/2024

Batch R345579 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	97.5	90	110	04/10/2024
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	97.2	90	110	04/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch R345579 **SampType:** MS Units **mg/L**
SampID: 24040860-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0.02300	93.4	85	115	04/10/2024

Batch R345579 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040860-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.45**	0.5000	0.02300	85.2	0.4900	8.73	04/10/2024

Batch R345579 **SampType:** MS Units **mg/L**
SampID: 24040864-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0.01500	91.6	85	115	04/10/2024

Batch R345579 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040864-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.45**	0.5000	0.01500	87.8	0.4730	4.10	04/10/2024

Batch R345579 **SampType:** MS Units **mg/L**
SampID: 24040947-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.60**	0.5000	0.09400	101.0	85	115	04/10/2024

Batch R345579 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040947-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.56**	0.5000	0.09400	93.0	0.5990	6.91	04/10/2024

Batch R345579 **SampType:** MS Units **mg/L**
SampID: 24040973-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	97.2	85	115	04/10/2024

Batch R345579 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040973-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.8	0.4860	1.45	04/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

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

Batch R345579 **SampType:** MS Units **mg/L**
SampID: 24040973-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.8	85	115	04/10/2024

Batch R345579 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040973-009AMSD

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	0.4790	0.00	04/10/2024

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

Batch R345261 **SampType:** MS Units **mg/L**
SampID: 24031341-041BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.294**	0.2500	0.06600	91.2	85	115	04/03/2024

Batch R345261 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-041BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.290**	0.2500	0.06600	89.6	0.2940	1.37	04/03/2024

Batch R345358 **SampType:** MS Units **mg/L**
SampID: 24031341-026BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.378**	0.2500	0.1330	98.0	85	115	04/04/2024

Batch R345358 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-026BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.375**	0.2500	0.1330	96.8	0.3780	0.80	04/04/2024

Batch R345595 **SampType:** MS Units **mg/L**
SampID: 24031341-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**4.13**	1.250	2.953	94.2	85	115	04/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch R345595 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**4.16**	1.250	2.953	96.6	4.131	0.70	04/10/2024

Batch R345595 **SampType:** MS Units **mg/L**
SampID: 24031341-055BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**1.14**	1.250	0.05000	87.5	85	115	04/10/2024

Batch R345595 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-055BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**1.15**	1.250	0.05000	88.3	1.144	0.87	04/10/2024

Batch R345665 **SampType:** MS Units **mg/L**
SampID: 24031341-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.225**	0.2500	0	90.0	85	115	04/11/2024

Batch R345665 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.227**	0.2500	0	90.8	0.2250	0.88	04/11/2024

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

Batch R345261 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						04/03/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	04/03/2024

Batch R345261 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.510**	0.5000	0	102.0	90	110	04/03/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch R345261 **SampType:** MS Units **mg/L**
SampID: 24040276-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**16.1**	5.000	11.20	97.8	90	110	04/03/2024

Batch R345261 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040276-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**15.8**	5.000	11.20	92.9	16.09	1.52	04/03/2024

Batch R345261 **SampType:** MS Units **mg/L**
SampID: 24040291-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.36**	2.500	4.028	93.4	90	110	04/03/2024

Batch R345261 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040291-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.37**	2.500	4.028	93.8	6.362	0.16	04/03/2024

Batch R345261 **SampType:** MS Units **mg/L**
SampID: 24040380-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**11.6**	5.000	6.891	94.3	90	110	04/03/2024

Batch R345261 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040380-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**11.8**	5.000	6.891	97.4	11.60	1.32	04/03/2024

Batch R345358 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						04/04/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	04/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch R345358 **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		**0.517**	0.5000	0	103.4	90	110	04/04/2024

Batch R345358 **SampType:** MS Units **mg/L**
SampID: 24032306-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.7**	5.000	6.028	94.0	90	110	04/04/2024

Batch R345358 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24032306-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.9**	5.000	6.028	96.5	10.73	1.18	04/04/2024

Batch R345358 **SampType:** MS Units **mg/L**
SampID: 24040189-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.1**	5.000	5.488	93.2	90	110	04/04/2024

Batch R345358 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040189-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.0**	5.000	5.488	90.7	10.15	1.26	04/04/2024

Batch R345358 **SampType:** MS Units **mg/L**
SampID: 24040356-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.96**	2.500	4.594	94.8	90	110	04/04/2024

Batch R345358 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040356-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**7.16**	2.500	4.594	102.6	6.963	2.79	04/04/2024

Batch R345358 **SampType:** MS Units **mg/L**
SampID: 24040442-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**7.91**	2.500	5.572	93.4	90	110	04/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch R345358 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040442-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**8.10**	2.500	5.572	101.1	7.908	2.39	04/04/2024

Batch R345358 **SampType:** MS Units **mg/L**
SampID: 24040481-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.66**	2.500	2.405	90.4	90	110	04/04/2024

Batch R345358 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040481-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.72**	2.500	2.405	92.6	4.664	1.19	04/04/2024

Batch R345508 **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	04/09/2024

Batch R345508 **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		**0.467**	0.5000	0	93.4	90	110	04/09/2024

Batch R345508 **SampType:** MS Units **mg/L**
SampID: 24040539-002GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**15.3**	5.000	10.50	95.5	90	110	04/09/2024

Batch R345508 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040539-002GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**15.0**	5.000	10.50	90.2	15.27	1.76	04/09/2024

Batch R345508 **SampType:** MS Units **mg/L**
SampID: 24040634-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.263**	0.2500	0.01700	98.4	90	110	04/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch R345508 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040634-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.265**	0.2500	0.01700	99.2	0.2630	0.76	04/09/2024

Batch R345508 **SampType:** MS Units **mg/L**
SampID: 24040656-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**9.39**	5.000	4.761	92.6	90	110	04/09/2024

Batch R345508 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040656-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**9.70**	5.000	4.761	98.8	9.389	3.29	04/09/2024

Batch R345508 **SampType:** MS Units **mg/L**
SampID: 24040696-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**32.8**	12.50	20.84	95.6	90	110	04/09/2024

Batch R345508 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040696-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**32.4**	12.50	20.84	92.3	32.78	1.26	04/09/2024

Batch R345595 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						04/10/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	04/10/2024

Batch R345595 **SampType:** MBLK Units **mg/L**
SampID: MBLK-221070

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)	*	0.050		**< 0.050**						04/10/2024
Nitrogen, Nitrate-Nitrite (as N)	*	0.050	J	**0.023**	0.0230	0	100.0	-100	100	04/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

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

Batch R345595 **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		**0.465**	0.5000	0	93.0	90	110	04/10/2024

Batch R345595 **SampType:** MS Units **mg/L**
SampID: 24040747-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**2.62**	2.500	0.2940	93.1	90	110	04/10/2024

Batch R345595 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040747-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**2.61**	2.500	0.2940	92.5	2.622	0.61	04/10/2024

Batch R345595 **SampType:** MS Units **mg/L**
SampID: 24040794-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**20.5**	12.50	9.107	91.0	90	110	04/10/2024

Batch R345595 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040794-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**20.5**	12.50	9.107	91.3	20.49	0.14	04/10/2024

Batch R345595 **SampType:** MS Units **mg/L**
SampID: 24040864-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	**24.0**	5.000	18.77	105.0	90	110	04/10/2024

Batch R345595 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040864-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	**24.1**	5.000	18.77	107.4	24.02	0.51	04/10/2024

Batch R345595 **SampType:** MS Units **mg/L**
SampID: 24040920-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**49.5**	25.00	26.42	92.5	85	115	04/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch R345595 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040920-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**49.6**	25.00	26.42	92.5	49.53	0.04	04/10/2024

Batch R345595 **SampType:** MS Units **mg/L**
SampID: 24040920-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**20.2**	12.50	8.504	93.6	85	115	04/10/2024

Batch R345595 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040920-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**20.3**	12.50	8.504	94.4	20.20	0.50	04/10/2024

Batch R345595 **SampType:** MS Units **mg/L**
SampID: 24040924-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00	S	**66.9**	25.00	45.51	85.7	90	110	04/10/2024

Batch R345595 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040924-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00	S	**67.5**	25.00	45.51	87.8	66.94	0.80	04/10/2024

Batch R345595 **SampType:** MS Units **mg/L**
SampID: 24040925-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.238**	0.2500	0	95.2	90	110	04/10/2024

Batch R345595 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040925-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.240**	0.2500	0	96.0	0.2380	0.84	04/10/2024

Batch R345595 **SampType:** MS Units **mg/L**
SampID: 24040943-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	**2.48**	0.5000	1.983	100.4	90	110	04/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch R345595 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040943-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	**2.52**	0.5000	1.983	108.4	2.485	1.60	04/10/2024

Batch R345665 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						04/11/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	04/11/2024

Batch R345665 **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		**0.467**	0.5000	0	93.4	90	110	04/11/2024

Batch R345665 **SampType:** MS Units **mg/L**
SampID: 24040919-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		10.0		**126**	50.00	79.30	94.1	90	110	04/11/2024

Batch R345665 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040919-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		10.0		**126**	50.00	79.30	93.0	126.3	0.43	04/11/2024

Batch R345665 **SampType:** MS Units **mg/L**
SampID: 24040973-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**29.8**	12.50	18.68	89.1	85	115	04/11/2024

Batch R345665 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040973-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**30.3**	12.50	18.68	93.4	29.82	1.75	04/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

STANDARD METHODS 5210 B 2001, 2011

Batch 221196 **SampType:** LCS Units **mg/L**
SampID: LCS-BOD-2-041024

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Biochemical Oxygen Demand		100		**187**	198.0	0	94.4	84.6	115.4	04/10/2024

Batch 221196 **SampType:** DUP Units **mg/L** RPD Limit **40**
SampID: 24040606-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand		1000	H	**3100**				3300	6.25	04/10/2024

Batch 221196 **SampType:** DUP Units **mg/L** RPD Limit **40**
SampID: 24040976-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand		10		**177**				187.0	5.49	04/10/2024

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R345291 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		50		**< 50**	17.00	0	0	-100	100	04/04/2024

Batch R345291 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		50		**104**	112.0	0	93.1	90	110	04/04/2024

Batch R345291 **SampType:** MS Units **mg/L**
SampID: 24040264-005HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1130**	1000	50.64	108.0	85	115	04/04/2024

Batch R345291 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040264-005HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1120**	1000	50.64	106.7	1130	1.14	04/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R345291 **SampType:** MS Units **mg/L**
SampID: 24040329-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1440**	1000	419.4	102.0	90	110	04/04/2024

Batch R345291 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040329-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1450**	1000	419.4	102.8	1439	0.59	04/04/2024

Batch R345291 **SampType:** MS Units **mg/L**
SampID: 24040384-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1250**	1000	147.1	109.9	90	110	04/04/2024

Batch R345291 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040384-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1190**	1000	147.1	104.3	1246	4.58	04/04/2024

Batch R345629 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		50		**< 50**	17.00	0	0	-100	100	04/11/2024

Batch R345629 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		50		**108**	112.0	0	96.8	90	110	04/11/2024

Batch R345629 **SampType:** MS Units **mg/L**
SampID: 24031341-057FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1000**	1000	21.69	97.8	85	115	04/11/2024

Batch R345629 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-057FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1010**	1000	21.69	99.1	999.7	1.26	04/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R345629 **SampType:** MS Units **mg/L**
SampID: 24040922-007DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**995**	1000	0	99.5	90	110	04/11/2024

Batch R345629 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040922-007DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**970**	1000	0	97.0	995.5	2.58	04/11/2024

Batch R345629 **SampType:** MS Units **mg/L**
SampID: 24040925-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1960**	1000	908.2	105.6	90	110	04/11/2024

Batch R345629 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040925-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1910**	1000	908.2	99.7	1964	3.06	04/11/2024

SW-846 1010A

Batch R345852 **SampType:** LCS Units **°F**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Ignitability, Closed Cup		60		**83**	81.00	0	102.5	97	103	04/16/2024

Batch R345852 **SampType:** DUP Units **°F** RPD Limit **5**
SampID: 24031341-071FDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Ignitability, Closed Cup		60		**>200**				0	0.00	04/16/2024

SW-846 9012A (TOTAL)

Batch 220929 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240405 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	04/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9012A (TOTAL)

Batch 220929 **SampType:** LCS Units **mg/L**
SampID: LCS 240405 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	105.2	90	110	04/08/2024

Batch 220929 **SampType:** MS Units **mg/L**
SampID: 24040450-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.135**	0.1250	0.01290	97.3	90	110	04/08/2024

Batch 220929 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040450-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.139**	0.1250	0.01290	101.3	0.1345	3.61	04/08/2024

Batch 220930 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240405 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	04/08/2024

Batch 220930 **SampType:** LCS Units **mg/L**
SampID: LCS 240405 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.9	90	110	04/08/2024

Batch 220930 **SampType:** MS Units **mg/L**
SampID: 24031341-046DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.5	75	125	04/08/2024

Batch 220930 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24031341-046DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	107.4	0.02512	6.69	04/08/2024

Batch 221125 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240409 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	04/10/2024

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Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9012A (TOTAL)

Batch 221125 **SampType:** LCS Units **mg/L**
SampID: LCS 240409 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.0	90	110	04/10/2024

Batch 221125 **SampType:** MS Units **mg/L**
SampID: 24040800-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0.001535	99.7	90	110	04/10/2024

Batch 221125 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040800-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0.001535	101.0	0.02645	1.30	04/10/2024

Batch 221214 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240410 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	04/11/2024

Batch 221214 **SampType:** LCS Units **mg/L**
SampID: LCS 240410 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.6	90	110	04/11/2024

Batch 221214 **SampType:** MS Units **µg/L**
SampID: 24040842-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		5.00		**25.4**	25.00	0	101.5	90	110	04/11/2024

Batch 221214 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24040842-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		5.00		**25.9**	25.00	0	103.6	25.38	2.03	04/11/2024

Batch 221214 **SampType:** MS Units **mg/L**
SampID: 24040870-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.6	90	110	04/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9012A (TOTAL)

Batch 221214 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040870-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	105.5	0.02590	1.80	04/11/2024

Batch 221215 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240410 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	04/11/2024

Batch 221215 **SampType:** LCS Units **mg/L**
SampID: LCS 240410 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.8	90	110	04/11/2024

Batch 221215 **SampType:** MS Units **mg/L**
SampID: 24031341-034DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	102.2	75	125	04/11/2024

Batch 221215 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24031341-034DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.6	0.02554	0.61	04/11/2024

Batch 221293 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240411 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	04/12/2024

Batch 221293 **SampType:** LCS Units **mg/L**
SampID: LCS 240411 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	96.5	90	110	04/12/2024

Batch 221293 **SampType:** MS Units **mg/L**
SampID: 24040921-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.8	90	110	04/12/2024

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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9012A (TOTAL)

Batch 221293 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040921-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.9	0.02620	0.10	04/12/2024

Batch 221293 **SampType:** MS Units **mg/L**
SampID: 24041018-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.139**	0.1250	0.01732	97.1	90	110	04/12/2024

Batch 221293 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041018-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.137**	0.1250	0.01732	95.6	0.1387	1.40	04/12/2024

SW-846 9014 (REACTIVE)

Batch 221520 **SampType:** MBLK Units **mg/Kg**
SampID: MBLK 240416 RCN

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide, Reactive		2.50		**< 2.50**	1.790	0	0	-100	100	04/17/2024

Batch 221520 **SampType:** LCS Units **mg/Kg**
SampID: LCS 240416 RCN

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide, Reactive		5.00		**5.60**	10.00	0	56.0	38.7	116	04/17/2024

Batch 221520 **SampType:** DUP Units **mg/Kg** RPD Limit **15**
SampID: 24041078-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide, Reactive		2.49		**< 2.49**				0	0.00	04/17/2024

SW-846 9034 (REACTIVE)

Batch 221516 **SampType:** MBLK Units **mg/Kg**
SampID: MBLK 240416 RSUL

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfide, Reactive		10.0		**< 10.0**	7.400	0	0	-100	100	04/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

SW-846 9034 (REACTIVE)

Batch 221516 **SampType:** LCS Units **mg/Kg**
SampID: LCS 240416 RSUL

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfide, Reactive		10.0		**80.0**	100.0	0	80.0	47.3	109	04/16/2024

Batch 221516 **SampType:** DUP Units **mg/Kg** RPD Limit **15**
SampID: 24041078-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfide, Reactive		10.0		**< 10.0**				0	0.00	04/16/2024

SW-846 9036 (DISSOLVED)

Batch R345321 **SampType:** MS Units **mg/L**
SampID: 24031341-042BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**379**	200.0	200.8	89.1	85	115	04/04/2024

Batch R345321 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-042BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**375**	200.0	200.8	87.1	379.0	1.06	04/04/2024

Batch R345321 **SampType:** MS Units **mg/L**
SampID: 24031341-044BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**227**	100.0	132.0	94.6	85	115	04/04/2024

Batch R345321 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-044BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**226**	100.0	132.0	94.5	226.6	0.04	04/04/2024

Batch R345467 **SampType:** MS Units **mg/L**
SampID: 24031341-023BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200	E	**1010**	400.0	660.0	86.3	85	115	04/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9036 (DISSOLVED)

Batch R345467 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-023BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200	E	**1000**	400.0	660.0	85.3	1005	0.42	04/08/2024

Batch R345620 **SampType:** MS Units **mg/L**
SampID: 24031341-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**202**	100.0	105.6	96.7	85	115	04/10/2024

Batch R345620 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**209**	100.0	105.6	103.2	202.3	3.14	04/10/2024

SW-846 9036 (TOTAL)

Batch R345321 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	04/04/2024

Batch R345321 **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	97.7	90	110	04/04/2024

Batch R345321 **SampType:** MS Units **mg/L**
SampID: 24040263-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**82**	40.00	39.90	104.6	90	110	04/04/2024

Batch R345321 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040263-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**81**	40.00	39.90	101.8	81.73	1.36	04/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9036 (TOTAL)

Batch R345408 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	04/05/2024

Batch R345408 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	99.7	90	110	04/05/2024

Batch R345408 **SampType:** MS Units **mg/L**
SampID: 24040264-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**188**	100.0	89.02	98.5	90	110	04/05/2024

Batch R345408 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040264-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**186**	100.0	89.02	97.2	187.6	0.70	04/05/2024

Batch R345408 **SampType:** MS Units **mg/L**
SampID: 24040306-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**157**	100.0	65.68	91.0	90	110	04/05/2024

Batch R345408 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040306-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**164**	100.0	65.68	98.0	156.6	4.40	04/05/2024

Batch R345408 **SampType:** MS Units **mg/L**
SampID: 24040308-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		500	S	**1470**	1000	600.1	86.7	90	110	04/05/2024

Batch R345408 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040308-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		500	S	**1480**	1000	600.1	88.0	1467	0.89	04/05/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9036 (TOTAL)

Batch R345467 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	04/08/2024

Batch R345467 **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	101.6	90	110	04/08/2024

Batch R345467 **SampType:** MS Units **mg/L**
SampID: 24040646-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**29**	20.00	12.12	83.4	85	115	04/08/2024

Batch R345467 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040646-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**29**	20.00	12.12	85.4	28.80	1.35	04/08/2024

Batch R345528 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	04/09/2024

Batch R345528 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	97.3	90	110	04/09/2024

Batch R345528 **SampType:** MS Units **mg/L**
SampID: 24040647-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**297**	200.0	122.8	87.3	85	115	04/09/2024

Batch R345528 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040647-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**296**	200.0	122.8	86.7	297.3	0.37	04/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9036 (TOTAL)

Batch R345528 **SampType:** MS Units **mg/L**
SampID: 24040758-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**90**	40.00	51.78	95.6	90	110	04/09/2024

Batch R345528 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040758-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**92**	40.00	51.78	100.6	90.01	2.21	04/09/2024

Batch R345620 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	04/10/2024

Batch R345620 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	99.2	90	110	04/10/2024

Batch R345620 **SampType:** MS Units **mg/L**
SampID: 24031341-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**26**	20.00	11.24	75.8	85	115	04/10/2024

Batch R345620 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**26**	20.00	11.24	74.8	26.39	0.72	04/10/2024

Batch R345620 **SampType:** MS Units **mg/L**
SampID: 24031341-012AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**28**	20.00	13.40	73.1	85	115	04/10/2024

Batch R345620 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24031341-012AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**27**	20.00	13.40	66.8	28.02	4.64	04/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

SW-846 9036 (TOTAL)

Batch R345620 **SampType:** MS Units **mg/L**
SampID: 24040797-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**406**	200.0	215.7	95.0	90	110	04/10/2024

Batch R345620 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040797-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**400**	200.0	215.7	92.2	405.6	1.38	04/10/2024

Batch R345761 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	04/15/2024

Batch R345761 **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	105.0	90	110	04/15/2024

Batch R345761 **SampType:** MS Units **mg/L**
SampID: 24040922-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**430**	200.0	246.4	91.8	90	110	04/15/2024

Batch R345761 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040922-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**436**	200.0	246.4	94.9	430.0	1.43	04/15/2024

Batch R345761 **SampType:** MS Units **mg/L**
SampID: 24041015-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**35**	20.00	15.91	94.6	85	115	04/15/2024

Batch R345761 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041015-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**38**	20.00	15.91	110.1	34.82	8.55	04/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9036 (TOTAL)

Batch R345761 **SampType:** MS Units **mg/L**
SampID: 24041179-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**22**	20.00	0	107.5	90	110	04/15/2024

Batch R345761 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041179-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**21**	20.00	0	105.4	21.50	1.97	04/15/2024

Batch R345761 **SampType:** MS Units **mg/L**
SampID: 24041187-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**83**	40.00	45.92	93.0	85	115	04/15/2024

Batch R345761 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041187-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**82**	40.00	45.92	90.8	83.12	1.06	04/15/2024

Batch R345761 **SampType:** MS Units **mg/L**
SampID: 24041187-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**191**	100.0	98.35	92.3	85	115	04/15/2024

Batch R345761 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041187-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**192**	100.0	98.35	93.8	190.6	0.80	04/15/2024

Batch R345761 **SampType:** MS Units **mg/L**
SampID: 24041187-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	SE	**55**	20.00	38.98	80.8	85	115	04/15/2024

Batch R345761 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041187-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	SE	**56**	20.00	38.98	83.4	55.15	0.94	04/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9036 (TOTAL)

Batch R345761 **SampType:** MS Units **mg/L**
SampID: 24041187-015AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**428**	200.0	236.9	95.8	85	115	04/16/2024

Batch R345761 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041187-015AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**433**	200.0	236.9	97.9	428.4	0.98	04/16/2024

SW-846 9060A

Batch R345640 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	04/11/2024

Batch R345640 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.0**	5.000	0	100.2	90	110	04/11/2024

Batch R345640 **SampType:** MS Units **mg/L**
SampID: 24040624-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.1**	5.000	1.230	97.2	85	115	04/11/2024

Batch R345640 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040624-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.1**	5.000	1.230	97.6	6.090	0.33	04/11/2024

Batch R345640 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040491-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		5.0		**15.5**				16.05	3.55	04/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9060A

Batch R345640 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040560-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**3.1**				3.050	2.91	04/11/2024

Batch R345640 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040684-001BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1000		**2120**				1972	7.05	04/11/2024

Batch R345640 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040751-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**2.2**				2.240	3.17	04/11/2024

Batch R345640 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040975-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		5.0		**23.0**				21.08	8.88	04/11/2024

Batch R345640 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040975-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**3.5**				3.500	0.57	04/11/2024

Batch R345640 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040975-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.4**				5.350	1.12	04/11/2024

Batch R345640 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040975-005ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		2.0		**7.8**				7.550	3.77	04/11/2024

Batch R345640 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040975-006ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		2.0		**10.4**				10.18	2.33	04/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9060A

Batch R345640 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040975-007ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**2.1**				2.130	0.47	04/11/2024

Batch R345640 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040975-008ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.2**				5.210	0.00	04/11/2024

Batch R345700 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	04/12/2024

Batch R345700 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.0**	5.000	0	101.0	90	110	04/12/2024

Batch R345700 **SampType:** MS Units **mg/L**
SampID: 24040751-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		2.0		**16.2**	10.00	5.920	103.2	90	110	04/12/2024

Batch R345700 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040751-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		2.0		**16.1**	10.00	5.920	102.2	16.24	0.62	04/12/2024

Batch R345700 **SampType:** MS Units **mg/L**
SampID: 24040975-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.0**	5.000	1.140	98.0	85	115	04/12/2024

Batch R345700 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24040975-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.2**	5.000	1.140	100.8	6.040	2.29	04/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9060A

Batch R345700 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040560-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**2.7**				2.710	0.74	04/12/2024

Batch R345700 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040751-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		2.0		**6.1**				5.920	3.65	04/12/2024

Batch R345700 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040872-001FDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		5.0		**19.2**				19.39	1.04	04/12/2024

Batch R345700 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040975-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**1.1**				1.140	0.00	04/12/2024

Batch R345700 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24040999-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		5.0		**15.2**				15.26	0.72	04/12/2024

Batch R345910 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	04/17/2024

Batch R345910 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.0**	5.000	0	101.0	90	110	04/17/2024

Batch R345910 **SampType:** MS Units **mg/L**
SampID: 24041166-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.5**	5.000	0.5300	100.0	85	115	04/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9060A

Batch R345910 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041166-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.5**	5.000	0.5300	98.8	5.530	1.09	04/17/2024

Batch R345910 **SampType:** MS Units **mg/L**
SampID: 24041167-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**8.1**	5.000	3.140	99.0	85	115	04/17/2024

Batch R345910 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041167-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**8.0**	5.000	3.140	97.0	8.090	1.24	04/17/2024

Batch R345910 **SampType:** MS Units **mg/L**
SampID: 24041167-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.8**	5.000	0.6600	102.0	85	115	04/17/2024

Batch R345910 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041167-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.8**	5.000	0.6600	101.8	5.760	0.17	04/17/2024

Batch R345910 **SampType:** MS Units **mg/L**
SampID: 24041167-014AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.9**	5.000	1.230	94.0	85	115	04/17/2024

Batch R345910 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041167-014AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.1**	5.000	1.230	97.0	5.930	2.50	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041132-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**3.4**				3.500	3.19	04/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9060A

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041132-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**3.0**				3.010	1.00	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041132-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**				0	0.00	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041132-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**2.8**				2.790	1.44	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041132-005ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**2.6**				2.560	2.70	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041167-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**3.1**				3.140	0.96	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041167-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**				0	0.00	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041167-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**3.6**				3.800	5.13	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041167-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.3**				5.350	0.19	04/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9060A

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041167-005ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**3.2**				3.180	0.95	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041167-006ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**				0	0.00	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041167-007ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**3.7**				3.670	0.81	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041167-008ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.1**				4.990	1.79	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041167-009ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**2.2**				2.100	5.10	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041167-010ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0	J	**0.6**				0.6600	0.00	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041167-011ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**1.3**				1.340	0.00	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041167-012ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**2.2**				2.330	5.29	04/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9060A

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041167-013ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0	J	**0.9**				0.9200	0.00	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041167-014ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**1.2**				1.230	1.61	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041342-001BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**2.2**				2.210	1.37	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041378-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		10000		**22200**				22340	0.49	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041378-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		10000		**22200**				22310	0.58	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041378-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		10000		**23400**				24580	5.00	04/17/2024

Batch R345910 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041378-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		10000		**24800**				25350	2.28	04/17/2024

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Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9066 (TOTAL)

Batch R345502 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	04/09/2024

Batch R345502 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.051**	0.0500	0	101.7	90	110	04/09/2024

Batch R345502 **SampType:** MS Units **mg/L**
SampID: 24040452-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.063**	0.0500	0.01015	105.6	90	110	04/09/2024

Batch R345502 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040452-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.061**	0.0500	0.01015	101.2	0.06297	3.56	04/09/2024

Batch R345502 **SampType:** MS Units **mg/L**
SampID: 24040622-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.055**	0.0500	0	110.7	90	110	04/09/2024

Batch R345502 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040622-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.054**	0.0500	0	107.7	0.05537	2.78	04/09/2024

Batch R345502 **SampType:** MS Units **mg/L**
SampID: 24040622-030AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.054**	0.0500	0	108.6	90	110	04/09/2024

Batch R345502 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040622-030AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.056**	0.0500	0	111.2	0.05428	2.38	04/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9066 (TOTAL)

Batch R345502 **SampType:** MS Units **mg/L**
SampID: 24040707-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.056**	0.0500	0.003450	105.8	90	110	04/09/2024

Batch R345502 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040707-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.056**	0.0500	0.003450	105.7	0.05637	0.16	04/09/2024

Batch R345599 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	04/10/2024

Batch R345599 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.052**	0.0500	0	104.6	90	110	04/10/2024

Batch R345599 **SampType:** MS Units **mg/L**
SampID: 24040790-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.086**	0.0500	0.01931	133.3	90	110	04/10/2024

Batch R345599 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040790-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.083**	0.0500	0.01931	128.2	0.08596	2.99	04/10/2024

Batch R345599 **SampType:** MS Units **mg/L**
SampID: 24040839-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.062**	0.0500	0	123.5	90	110	04/10/2024

Batch R345599 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040839-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.060**	0.0500	0	119.7	0.06177	3.14	04/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9066 (TOTAL)

Batch R345599 **SampType:** MS Units **mg/L**
SampID: 24040840-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.068**	0.0500	0.009430	118.0	90	110	04/10/2024

Batch R345599 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040840-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.066**	0.0500	0.009430	113.6	0.06845	3.30	04/10/2024

Batch R345833 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	04/15/2024

Batch R345833 **SampType:** MBLK Units **mg/L**
SampID: MBLK-211820

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols	*	0.005		**< 0.005**	0.0028	0	0	-100	100	04/15/2024

Batch R345833 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.051**	0.0500	0	102.9	90	110	04/15/2024

Batch R345833 **SampType:** MS Units **mg/L**
SampID: 24040986-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.010		**0.111**	0.1000	0.01615	95.2	90	110	04/15/2024

Batch R345833 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040986-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.010		**0.118**	0.1000	0.01615	101.5	0.1114	5.49	04/15/2024

Batch R345833 **SampType:** MS Units **mg/L**
SampID: 24041055-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.060**	0.0500	0	120.1	90	110	04/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9066 (TOTAL)

Batch R345833 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041055-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.058**	0.0500	0	116.5	0.06007	3.06	04/15/2024

Batch R345833 **SampType:** MS Units **mg/L**
SampID: 24041058-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.025		**0.284**	0.2500	0.03364	100.2	90	110	04/15/2024

Batch R345833 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041058-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.025		**0.292**	0.2500	0.03364	103.5	0.2842	2.84	04/15/2024

Batch R345833 **SampType:** MS Units **mg/L**
SampID: 24041075-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.056**	0.0500	0	112.9	90	110	04/15/2024

Batch R345833 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041075-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.057**	0.0500	0	113.6	0.05644	0.62	04/15/2024

SW-846 9214 (DISSOLVED)

Batch R345765 **SampType:** MS Units **mg/L**
SampID: 24031341-032BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.29**	2.000	0.2920	100.0	75	125	04/15/2024

Batch R345765 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24031341-032BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.28**	2.000	0.2920	99.6	2.293	0.44	04/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9214 (TOTAL)

Batch R345364 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	04/05/2024

Batch R345364 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.92**	1.000	0	92.0	90	110	04/05/2024

Batch R345364 **SampType:** MS Units **mg/L**
SampID: 24040066-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.74**	2.000	0.5870	107.8	75	125	04/05/2024

Batch R345364 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040066-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.67**	2.000	0.5870	104.2	2.742	2.62	04/05/2024

Batch R345364 **SampType:** MS Units **mg/L**
SampID: 24040265-018AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.20**	2.000	0.09100	105.2	75	125	04/05/2024

Batch R345364 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040265-018AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.16**	2.000	0.09100	103.4	2.195	1.61	04/05/2024

Batch R345364 **SampType:** MS Units **mg/L**
SampID: 24040265-023AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.22**	2.000	0.1200	105.0	75	125	04/05/2024

Batch R345364 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040265-023AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.22**	2.000	0.1200	105.0	2.219	0.05	04/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9214 (TOTAL)

Batch R345364 **SampType:** MS Units **mg/L**
SampID: 24040463-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.30**	2.000	0.2700	101.6	75	125	04/05/2024

Batch R345364 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040463-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.40**	2.000	0.2700	106.6	2.301	4.30	04/05/2024

Batch R345364 **SampType:** MS Units **mg/L**
SampID: 24040516-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.24**	2.000	0.3160	96.1	75	125	04/05/2024

Batch R345364 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040516-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.44**	2.000	0.3160	106.3	2.238	8.72	04/05/2024

Batch R345417 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	04/08/2024

Batch R345417 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.05**	1.000	0	105.2	90	110	04/08/2024

Batch R345417 **SampType:** MS Units **mg/L**
SampID: 24031341-021AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.76**	2.000	0.5840	109.0	75	125	04/08/2024

Batch R345417 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24031341-021AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.74**	2.000	0.5840	108.0	2.763	0.69	04/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9214 (TOTAL)

Batch R345417 **SampType:** MS Units **mg/L**
SampID: 24031341-065AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.85**	2.000	0.8060	102.2	75	125	04/08/2024

Batch R345417 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24031341-065AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.73**	2.000	0.8060	96.1	2.849	4.34	04/08/2024

Batch R345765 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	04/15/2024

Batch R345765 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.08**	1.000	0	107.5	90	110	04/15/2024

Batch R345765 **SampType:** MS Units **mg/L**
SampID: 24031341-067FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.19**	2.000	0	109.5	75	125	04/15/2024

Batch R345765 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24031341-067FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.16**	2.000	0	108.2	2.190	1.24	04/15/2024

Batch R345765 **SampType:** MS Units **mg/L**
SampID: 24040983-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.40**	2.000	0.1420	113.0	75	125	04/15/2024

Batch R345765 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040983-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.23**	2.000	0.1420	104.6	2.403	7.29	04/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9214 (TOTAL)

Batch R345765 **SampType:** MS Units **mg/L**
SampID: 24041075-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.66**	2.000	0.4680	109.5	75	125	04/15/2024

Batch R345765 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041075-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.61**	2.000	0.4680	107.3	2.658	1.67	04/15/2024

Batch R345765 **SampType:** MS Units **mg/L**
SampID: 24041113-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		1.00		**18.6**	20.00	0.8000	89.0	75	125	04/15/2024

Batch R345765 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041113-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		1.00		**18.9**	20.00	0.8000	90.4	18.60	1.55	04/15/2024

Batch R345902 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	04/17/2024

Batch R345902 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.92**	1.000	0	91.9	90	110	04/17/2024

Batch R345902 **SampType:** MS Units **mg/L**
SampID: 24040908-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**4.19**	2.000	1.906	114.0	75	125	04/17/2024

Batch R345902 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040908-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**4.32**	2.000	1.906	120.9	4.185	3.27	04/17/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9251 (DISSOLVED)

Batch R345325 **SampType:** MS Units **mg/L**
SampID: 24031341-042BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8	E	**100**	40.00	64.37	89.2	85	115	04/04/2024

Batch R345325 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24031341-042BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**99**	40.00	64.37	87.1	100.1	0.84	04/04/2024

Batch R345325 **SampType:** MS Units **mg/L**
SampID: 24031341-044BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**152**	100.0	58.61	93.2	85	115	04/04/2024

Batch R345325 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24031341-044BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**152**	100.0	58.61	93.0	151.8	0.14	04/04/2024

Batch R345412 **SampType:** MS Units **mg/L**
SampID: 24031341-023BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**35**	20.00	17.88	86.2	85	115	04/05/2024

Batch R345412 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24031341-023BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**35**	20.00	17.88	86.4	35.11	0.14	04/05/2024

Batch R345623 **SampType:** MS Units **mg/L**
SampID: 24031341-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**158**	100.0	71.88	85.8	85	115	04/10/2024

Batch R345623 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24031341-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**163**	100.0	71.88	90.9	157.6	3.23	04/10/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9251 (TOTAL)

Batch R345325 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	04/04/2024

Batch R345325 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**21**	20.00	0	103.0	90	110	04/04/2024

Batch R345325 **SampType:** MS Units **mg/L**
SampID: 24040263-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**37**	20.00	18.83	92.2	85	115	04/04/2024

Batch R345325 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040263-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**37**	20.00	18.83	90.1	37.27	1.13	04/04/2024

Batch R345325 **SampType:** MS Units **mg/L**
SampID: 24040264-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**28**	20.00	8.070	98.4	85	115	04/04/2024

Batch R345325 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040264-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**27**	20.00	8.070	96.1	27.74	1.64	04/04/2024

Batch R345325 **SampType:** MS Units **mg/L**
SampID: 24040306-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	4.130	97.3	85	115	04/04/2024

Batch R345325 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040306-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	4.130	97.2	23.59	0.13	04/04/2024

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Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9251 (TOTAL)

Batch R345325 **SampType:** MS Units **mg/L**
SampID: 24040308-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**326**	200.0	145.3	90.5	85	115	04/04/2024

Batch R345325 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040308-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**323**	200.0	145.3	88.9	326.2	0.98	04/04/2024

Batch R345412 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	04/05/2024

Batch R345412 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	102.5	90	110	04/05/2024

Batch R345468 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	04/08/2024

Batch R345468 **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	106.0	90	110	04/08/2024

Batch R345531 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	04/09/2024

Batch R345531 **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	107.2	90	110	04/09/2024

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Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

SW-846 9251 (TOTAL)

Batch R345531 **SampType:** MS Units **mg/L**
SampID: 24040758-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**71**	40.00	36.15	88.0	85	115	04/09/2024

Batch R345531 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040758-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**72**	40.00	36.15	89.1	71.34	0.63	04/09/2024

Batch R345623 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	04/10/2024

Batch R345623 **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	104.2	90	110	04/10/2024

Batch R345623 **SampType:** MS Units **mg/L**
SampID: 24031341-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**40**	20.00	22.67	85.3	85	115	04/10/2024

Batch R345623 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24031341-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**40**	20.00	22.67	85.3	39.72	0.00	04/10/2024

Batch R345623 **SampType:** MS Units **mg/L**
SampID: 24031341-012AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**302**	200.0	124.6	88.5	85	115	04/10/2024

Batch R345623 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24031341-012AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**299**	200.0	124.6	87.0	301.6	1.01	04/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9251 (TOTAL)

Batch R345623 **SampType:** MS Units **mg/L**
SampID: 24040797-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	1.800	92.4	85	115	04/10/2024

Batch R345623 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040797-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**20**	20.00	1.800	92.2	20.27	0.10	04/10/2024

Batch R345788 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	04/15/2024

Batch R345788 **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		**22**	20.00	0	109.2	90	110	04/15/2024

Batch R345788 **SampType:** MS Units **mg/L**
SampID: 24040983-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**21**	20.00	1.760	94.1	85	115	04/15/2024

Batch R345788 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24040983-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**21**	20.00	1.760	94.2	20.57	0.15	04/15/2024

Batch R345788 **SampType:** MS Units **mg/L**
SampID: 24041015-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**25**	20.00	5.870	95.8	85	115	04/15/2024

Batch R345788 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041015-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**25**	20.00	5.870	93.8	25.02	1.53	04/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9251 (TOTAL)

Batch R345788 **SampType:** MS Units **mg/L**
SampID: 24041075-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**22**	20.00	3.520	92.6	85	115	04/15/2024

Batch R345788 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041075-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**23**	20.00	3.520	95.7	22.03	2.78	04/15/2024

Batch R345788 **SampType:** MS Units **mg/L**
SampID: 24041179-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**21**	20.00	1.970	97.0	85	115	04/15/2024

Batch R345788 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041179-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**21**	20.00	1.970	95.0	21.36	1.79	04/15/2024

Batch R345788 **SampType:** MS Units **mg/L**
SampID: 24041187-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**35**	20.00	16.71	89.3	85	115	04/15/2024

Batch R345788 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041187-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**35**	20.00	16.71	90.2	34.57	0.49	04/15/2024

Batch R345788 **SampType:** MS Units **mg/L**
SampID: 24041187-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**30**	20.00	11.28	92.8	85	115	04/15/2024

Batch R345788 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041187-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**30**	20.00	11.28	93.0	29.83	0.13	04/15/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 9251 (TOTAL)

Batch R345788 **SampType:** MS Units **mg/L**
SampID: 24041187-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0.9000	94.4	85	115	04/15/2024

Batch R345788 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041187-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**20**	20.00	0.9000	95.9	19.77	1.56	04/15/2024

Batch R345788 **SampType:** MS Units **mg/L**
SampID: 24041187-015AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**83**	40.00	47.02	90.1	85	115	04/15/2024

Batch R345788 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041187-015AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**83**	40.00	47.02	90.3	83.07	0.07	04/16/2024

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

Batch 220875 **SampType:** MBLK Units **mg/L**
SampID: MBLK-220875

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	04/05/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	04/05/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	04/05/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/05/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	04/05/2024

Batch 220875 **SampType:** LCS Units **mg/L**
SampID: LCS-220875

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.49**	2.500	0	99.4	85	115	04/05/2024
Chromium		0.0050		**0.186**	0.2000	0	93.2	85	115	04/05/2024
Magnesium		0.0500		**2.20**	2.500	0	87.9	85	115	04/05/2024
Potassium		0.100		**2.48**	2.500	0	99.1	85	115	04/05/2024
Sodium		0.0500		**2.47**	2.500	0	99.0	85	115	04/05/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 220875 **SampType:** MS Units **mg/L**
SampID: 24031341-041CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**124**	2.500	122.1	84.0	75	125	04/05/2024
Magnesium		0.050		**81.1**	2.500	78.81	91.6	75	125	04/05/2024
Potassium		0.100		**4.43**	2.500	1.814	104.4	75	125	04/05/2024
Sodium		0.050	S	**80.3**	2.500	80.91	-22.8	75	125	04/05/2024

Batch 220875 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24031341-041CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**124**	2.500	122.1	61.6	124.2	0.45	04/05/2024
Magnesium		0.050		**80.7**	2.500	78.81	76.3	81.10	0.47	04/05/2024
Potassium		0.100		**4.38**	2.500	1.814	102.6	4.425	1.07	04/05/2024
Sodium		0.050	S	**79.7**	2.500	80.91	-47.2	80.34	0.76	04/05/2024

Batch 220875 **SampType:** MS Units **mg/L**
SampID: 24032399-004CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium		0.0050		**0.189**	0.2000	0	94.5	75	125	04/05/2024

Batch 220875 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24032399-004CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chromium		0.0050		**0.188**	0.2000	0	94.0	0.1890	0.58	04/05/2024

Batch 221122 **SampType:** MBLK Units **mg/L**
SampID: MBLK-221122

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	04/09/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	04/09/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/09/2024
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	04/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221122 **SampType:** LCS Units **mg/L**
SampID: LCS-221122

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.52**	2.500	0	100.7	85	115	04/09/2024
Magnesium		0.050		**2.43**	2.500	0	97.2	85	115	04/09/2024
Potassium		0.100		**2.52**	2.500	0	100.7	85	115	04/09/2024
Sodium		0.050		**2.40**	2.500	0	95.8	85	115	04/09/2024

Batch 221242 **SampType:** MBLK Units **mg/L**
SampID: MBLK-221242

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	04/11/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	04/11/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/11/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	04/11/2024

Batch 221242 **SampType:** LCS Units **mg/L**
SampID: LCS-221242

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.27**	2.500	0	90.8	85	115	04/11/2024
Magnesium		0.0500		**2.26**	2.500	0	90.5	85	115	04/11/2024
Potassium		0.100		**2.47**	2.500	0	98.9	85	115	04/11/2024
Sodium		0.0500		**2.30**	2.500	0	92.0	85	115	04/11/2024

Teklab, Inc.
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Quality Control Results

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Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221272 **SampType:** MBLK Units **mg/L**

SampID: MBLK-221272

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	04/12/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	04/12/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	04/12/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	04/12/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	04/12/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	04/12/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	04/12/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	04/12/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	04/12/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/12/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	04/12/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	04/12/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	04/12/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	04/12/2024

Batch 221272 **SampType:** LCS Units **mg/L**

SampID: LCS-221272

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.454**	0.5000	0	90.7	85	115	04/12/2024
Arsenic		0.0250		**0.467**	0.5000	0	93.3	85	115	04/12/2024
Boron		0.0200		**0.442**	0.5000	0	88.3	85	115	04/12/2024
Calcium		0.100		**2.21**	2.500	0	88.6	85	115	04/12/2024
Chromium		0.0050		**0.180**	0.2000	0	89.8	85	115	04/12/2024
Iron		0.0400		**1.84**	2.000	0	91.9	85	115	04/12/2024
Lead		0.0150		**0.455**	0.5000	0	91.0	85	115	04/12/2024
Magnesium		0.0500		**2.18**	2.500	0	87.2	85	115	04/12/2024
Manganese		0.0070		**0.449**	0.5000	0	89.7	85	115	04/12/2024
Potassium		0.100		**2.28**	2.500	0	91.0	85	115	04/12/2024
Selenium		0.0400		**0.463**	0.5000	0	92.7	85	115	04/12/2024
Sodium		0.0500		**2.13**	2.500	0	85.4	85	115	04/12/2024
Vanadium		0.0100		**0.441**	0.5000	0	88.2	85	115	04/12/2024
Zinc		0.0100		**0.460**	0.5000	0	92.0	85	115	04/12/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221272 **SampType:** MS Units **mg/L**
SampID: 24031341-067IMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.35**	2.500	0	93.8	75	125	04/12/2024
Magnesium		0.050		**2.31**	2.500	0	92.5	75	125	04/12/2024
Potassium		0.100		**2.45**	2.500	0	97.8	75	125	04/12/2024
Sodium		0.050		**2.31**	2.500	0.02490	91.4	75	125	04/12/2024

Batch 221272 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24031341-067IMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**2.33**	2.500	0	93.2	2.346	0.71	04/12/2024
Magnesium		0.050		**2.29**	2.500	0	91.7	2.313	0.93	04/12/2024
Potassium		0.100		**2.40**	2.500	0	95.9	2.446	2.03	04/12/2024
Sodium		0.050		**2.27**	2.500	0.02490	89.8	2.311	1.76	04/12/2024

Batch 221272 **SampType:** MS Units **mg/L**
SampID: 24040873-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		1.00	S	**186**	0.5000	199.1	-2551	75	125	04/17/2024
Calcium		5.00	S	**2280**	2.500	2344	-2600	75	125	04/17/2024
Iron		2.00		**5.99**	2.000	4.155	91.8	75	125	04/17/2024
Magnesium		2.50	S	**1820**	2.500	1881	-2321	75	125	04/17/2024
Manganese		0.350	S	**17.2**	0.5000	17.30	-13.0	75	125	04/17/2024
Potassium		5.00	S	**392**	2.500	401.4	-364.8	75	125	04/17/2024
Sodium		2.50	S	**1640**	2.500	1688	-2060	75	125	04/17/2024

Batch 221272 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24040873-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		1.00	S	**187**	0.5000	199.1	-2466	186.4	0.23	04/17/2024
Calcium		5.00	S	**2300**	2.500	2344	-1560	2279	1.13	04/17/2024
Iron		2.00		**5.97**	2.000	4.155	90.8	5.990	0.33	04/17/2024
Magnesium		2.50	S	**1850**	2.500	1881	-1343	1823	1.33	04/17/2024
Manganese		0.350	S	**17.4**	0.5000	17.30	21.0	17.23	0.98	04/17/2024
Potassium		5.00	S	**396**	2.500	401.4	-235.2	392.3	0.82	04/17/2024
Sodium		2.50	S	**1650**	2.500	1688	-1500	1637	0.85	04/17/2024

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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 222313 **SampType:** MBLK Units **mg/L**
SampID: MBLK-222313

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	05/01/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	05/01/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	05/01/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/01/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	05/01/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/01/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	05/01/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	05/01/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/01/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	05/01/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/01/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/01/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/01/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	05/01/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	05/01/2024

Batch 222313 **SampType:** LCS Units **mg/L**
SampID: LCS-222313

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.485**	0.5000	0	96.9	85	115	05/01/2024
Arsenic		0.0250		**0.491**	0.5000	0	98.2	85	115	05/01/2024
Boron		0.0200		**0.476**	0.5000	0	95.2	85	115	05/01/2024
Cadmium		0.0020		**0.0501**	0.0500	0	100.2	85	115	05/01/2024
Calcium		0.100		**2.30**	2.500	0	91.9	85	115	05/01/2024
Chromium		0.0050		**0.193**	0.2000	0	96.5	85	115	05/01/2024
Iron		0.0400		**1.97**	2.000	0	98.5	85	115	05/01/2024
Lead		0.0150		**0.478**	0.5000	0	95.5	85	115	05/01/2024
Magnesium		0.0500		**2.35**	2.500	0	94.0	85	115	05/01/2024
Manganese		0.0070		**0.490**	0.5000	0	98.1	85	115	05/01/2024
Potassium		0.100		**2.75**	2.500	0	109.9	85	115	05/01/2024
Selenium		0.0400		**0.481**	0.5000	0	96.2	85	115	05/01/2024
Sodium		0.0500		**2.46**	2.500	0	98.4	85	115	05/01/2024
Vanadium		0.0100		**0.483**	0.5000	0	96.6	85	115	05/01/2024
Zinc		0.0100		**0.484**	0.5000	0	96.8	85	115	05/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 222313 **SampType:** MS Units **mg/L**
SampID: 24042058-002GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**63.9**	2.500	62.05	74.8	75	125	05/01/2024
Magnesium		0.050		**26.9**	2.500	24.70	88.9	75	125	05/01/2024
Potassium		0.100		**3.71**	2.500	1.179	101.2	75	125	05/02/2024
Sodium		0.050	S	**69.3**	2.500	67.80	59.2	75	125	05/01/2024

Batch 222313 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24042058-002GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**65.1**	2.500	62.05	120.4	63.92	1.77	05/01/2024
Magnesium		0.050		**27.3**	2.500	24.70	104.0	26.92	1.39	05/01/2024
Potassium		0.100		**3.62**	2.500	1.179	97.7	3.709	2.35	05/02/2024
Sodium		0.050		**70.5**	2.500	67.80	108.4	69.28	1.76	05/01/2024

Batch 222313 **SampType:** MS Units **mg/L**
SampID: 24042186-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**5.30**	2.000	3.520	89.0	75	125	05/02/2024
Manganese		0.0070		**1.69**	0.5000	1.211	95.0	75	125	05/01/2024

Batch 222313 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24042186-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**5.30**	2.000	3.520	89.0	5.300	0.00	05/02/2024
Manganese		0.0070		**1.68**	0.5000	1.211	93.1	1.686	0.57	05/01/2024

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

Batch 220750 **SampType:** MBLK Units **mg/L**
SampID: MBLK-220750

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	04/04/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	04/04/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/04/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	04/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 220750 **SampType:** LCS Units **mg/L**
SampID: LCS-220750

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.69**	2.500	0	107.7	85	115	04/04/2024
Magnesium		0.0500		**2.51**	2.500	0	100.5	85	115	04/04/2024
Potassium		0.100		**2.65**	2.500	0	106.0	85	115	04/04/2024
Sodium		0.0500		**2.60**	2.500	0	104.1	85	115	04/04/2024

Batch 220750 **SampType:** MS Units **mg/L**
SampID: 24040264-003EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**93.9**	2.500	89.68	169.6	75	125	04/04/2024
Magnesium		0.0500		**18.5**	2.500	15.96	101.8	75	125	04/04/2024

Batch 220750 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24040264-003EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**94.2**	2.500	89.68	178.8	93.92	0.24	04/04/2024
Magnesium		0.0500		**18.7**	2.500	15.96	110.0	18.51	1.10	04/04/2024

Batch 221023 **SampType:** MBLK Units **mg/L**
SampID: MBLK-221023

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	04/09/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	04/09/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	04/09/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	04/09/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	04/09/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	04/09/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/09/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	04/09/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	04/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221023 **SampType:** LCS Units **mg/L**
SampID: LCS-221023

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0025		**2.10**	2.000	0	105.0	85	115	04/09/2024
Beryllium		0.0005		**0.0543**	0.0500	0	108.6	85	115	04/09/2024
Boron		0.0200		**0.515**	0.5000	0	103.0	85	115	04/09/2024
Calcium		0.100		**2.69**	2.500	0	107.5	85	115	04/09/2024
Magnesium		0.0500		**2.61**	2.500	0	104.4	85	115	04/09/2024
Molybdenum		0.0100		**0.511**	0.5000	0	102.2	85	115	04/09/2024
Potassium		0.100		**2.61**	2.500	0	104.3	85	115	04/09/2024
Selenium		0.0400		**0.517**	0.5000	0	103.4	85	115	04/09/2024
Sodium		0.0500		**2.59**	2.500	0	103.7	85	115	04/09/2024

Batch 221023 **SampType:** MS Units **mg/L**
SampID: 24031341-015BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**283**	2.500	285.3	-78.8	75	125	04/09/2024
Magnesium		0.050	S	**135**	2.500	134.9	-11.8	75	125	04/09/2024
Potassium		0.100		**3.94**	2.500	1.277	106.6	75	125	04/09/2024
Sodium		0.050	S	**152**	2.500	154.2	-100.4	75	125	04/09/2024

Batch 221023 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24031341-015BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**287**	2.500	285.3	83.6	283.3	1.42	04/09/2024
Magnesium		0.050	S	**137**	2.500	134.9	74.0	134.7	1.58	04/09/2024
Potassium		0.100		**4.02**	2.500	1.277	109.6	3.941	1.93	04/09/2024
Sodium		0.050	S	**154**	2.500	154.2	-25.6	151.6	1.23	04/09/2024

Batch 221023 **SampType:** MS Units **mg/L**
SampID: 24040646-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0025		**2.16**	2.000	0.05160	105.4	75	125	04/09/2024
Beryllium		0.0005		**0.0557**	0.0500	0	111.4	75	125	04/09/2024
Boron		0.0200		**0.886**	0.5000	0.3485	107.5	75	125	04/09/2024
Molybdenum		0.0100		**0.527**	0.5000	0	105.5	75	125	04/09/2024
Selenium		0.0400		**0.548**	0.5000	0	109.5	75	125	04/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221023 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24040646-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Barium		0.0025		**2.18**	2.000	0.05160	106.4	2.160	0.92	04/09/2024
Beryllium		0.0005		**0.0563**	0.0500	0	112.6	0.05570	1.07	04/09/2024
Boron		0.0200		**0.895**	0.5000	0.3485	109.3	0.8859	1.04	04/09/2024
Molybdenum		0.0100		**0.533**	0.5000	0	106.6	0.5273	1.08	04/09/2024
Selenium		0.0400		**0.559**	0.5000	0	111.8	0.5477	2.06	04/09/2024

Batch 221127 **SampType:** MBLK Units **mg/L**

SampID: MBLK-221127

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	04/12/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	04/12/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	04/12/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	04/10/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	04/12/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	04/12/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	04/12/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	04/12/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	04/10/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	04/12/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	04/12/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/12/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/10/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	04/12/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	04/10/2024
Sodium		0.0500	JS	**0.022**	0.0180	0	122.8	-100	100	04/12/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	04/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221127 **SampType:** LCS Units **mg/L**

SampID: LCS-221127

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.527**	0.5000	0	105.4	85	115	04/12/2024
Arsenic		0.0250		**0.552**	0.5000	0	110.4	85	115	04/12/2024
Boron		0.0200		**0.512**	0.5000	0	102.4	85	115	04/12/2024
Calcium		0.100		**2.76**	2.500	0	110.3	85	115	04/10/2024
Calcium		0.100		**2.56**	2.500	0	102.5	85	115	04/12/2024
Chromium		0.0050		**0.209**	0.2000	0	104.6	85	115	04/12/2024
Iron		0.0400		**2.20**	2.000	0	110.0	85	115	04/12/2024
Lead		0.0150		**0.525**	0.5000	0	105.0	85	115	04/12/2024
Magnesium		0.0500		**2.51**	2.500	0	100.3	85	115	04/10/2024
Magnesium		0.0500		**2.57**	2.500	0	102.7	85	115	04/12/2024
Manganese		0.0070		**0.517**	0.5000	0	103.5	85	115	04/12/2024
Potassium		0.100		**2.68**	2.500	0	107.1	85	115	04/12/2024
Potassium		0.100		**2.66**	2.500	0	106.6	85	115	04/10/2024
Selenium		0.0400		**0.525**	0.5000	0	105.0	85	115	04/12/2024
Sodium		0.0500		**2.61**	2.500	0	104.4	85	115	04/10/2024
Sodium		0.0500	B	**2.57**	2.500	0	102.7	85	115	04/12/2024
Zinc		0.0100		**0.533**	0.5000	0	106.7	85	115	04/12/2024

Batch 221211 **SampType:** MBLK Units **mg/L**

SampID: MBLK-221211

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	04/12/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	04/12/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	04/12/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/12/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	04/12/2024

Batch 221211 **SampType:** LCS Units **mg/L**

SampID: LCS-221211

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.49**	2.500	0	99.6	85	115	04/12/2024
Lead		0.0150		**0.478**	0.5000	0	95.7	85	115	04/12/2024
Magnesium		0.0500		**2.27**	2.500	0	90.9	85	115	04/12/2024
Potassium		0.100		**2.48**	2.500	0	99.3	85	115	04/12/2024
Sodium		0.0500		**2.47**	2.500	0	98.7	85	115	04/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221211 **SampType:** MS Units **mg/L**
SampID: 24031341-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**95.4**	2.500	94.42	37.6	75	125	04/12/2024
Magnesium		0.050		**37.5**	2.500	35.61	75.1	75	125	04/12/2024
Potassium		0.100		**4.11**	2.500	1.641	98.6	75	125	04/12/2024
Sodium		0.050	S	**87.8**	2.500	86.97	34.8	75	125	04/12/2024

Batch 221211 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24031341-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**93.7**	2.500	94.42	-27.2	95.36	1.71	04/12/2024
Magnesium		0.050	S	**37.0**	2.500	35.61	53.8	37.49	1.43	04/12/2024
Potassium		0.100		**4.03**	2.500	1.641	95.6	4.106	1.87	04/12/2024
Sodium		0.050	S	**86.4**	2.500	86.97	-24.0	87.84	1.69	04/12/2024

Batch 221211 **SampType:** MS Units **mg/L**
SampID: 24040816-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0150		**0.488**	0.5000	0.007200	96.1	75	125	04/12/2024

Batch 221211 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24040816-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		0.0150		**0.471**	0.5000	0.007200	92.8	0.4879	3.52	04/12/2024

Batch 221254 **SampType:** MBLK Units **mg/L**
SampID: MBLK-221254

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	04/11/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	04/11/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/11/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	04/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221254 **SampType:** LCS Units **mg/L**
SampID: LCS-221254

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.66**	2.500	0	106.6	85	115	04/11/2024
Magnesium		0.0500		**2.47**	2.500	0	98.9	85	115	04/11/2024
Potassium		0.100		**2.62**	2.500	0	104.6	85	115	04/11/2024
Sodium		0.0500		**2.57**	2.500	0	102.7	85	115	04/11/2024

Batch 221254 **SampType:** MS Units **mg/L**
SampID: 24031341-071HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.74**	2.500	0	109.6	75	125	04/11/2024
Magnesium		0.050		**2.51**	2.500	0	100.5	75	125	04/11/2024
Potassium		0.100		**2.68**	2.500	0	107.2	75	125	04/11/2024
Sodium		0.050		**2.61**	2.500	0	104.6	75	125	04/11/2024

Batch 221254 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24031341-071HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**2.70**	2.500	0	108.1	2.741	1.44	04/11/2024
Magnesium		0.050		**2.49**	2.500	0	99.7	2.512	0.79	04/11/2024
Potassium		0.100		**2.65**	2.500	0	106.1	2.679	1.04	04/11/2024
Sodium		0.050		**2.59**	2.500	0	103.6	2.615	0.93	04/11/2024

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

Batch 220875 **SampType:** MBLK Units **µg/L**
SampID: MBLK-220875

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	04/08/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	04/06/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	04/06/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	04/06/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	04/06/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	04/06/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	04/06/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	04/06/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	04/08/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	04/06/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	04/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 220875 **SampType:** LCS Units **µg/L**

SampID: LCS-220875

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**491**	500.0	0	98.2	80	120	04/08/2024
Arsenic		1.0		**478**	500.0	0	95.6	80	120	04/06/2024
Boron		25.0		**448**	500.0	0	89.7	80	120	04/06/2024
Cadmium		1.0		**52.3**	50.00	0	104.6	80	120	04/06/2024
Chromium		1.5		**193**	200.0	0	96.5	80	120	04/06/2024
Iron		25.0		**1940**	2000	0	96.9	80	120	04/06/2024
Lead		1.0		**493**	500.0	0	98.5	80	120	04/06/2024
Manganese		2.0		**482**	500.0	0	96.5	80	120	04/06/2024
Selenium		1.0		**475**	500.0	0	95.0	80	120	04/08/2024
Vanadium		5.0		**494**	500.0	0	98.8	80	120	04/06/2024
Zinc		15.0		**452**	500.0	0	90.3	80	120	04/06/2024

Batch 220875 **SampType:** MS Units **µg/L**

SampID: 24031341-041CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**535**	500.0	0	107.0	75	125	04/08/2024
Arsenic		1.0		**478**	500.0	0	95.5	75	125	04/06/2024
Boron		25.0		**505**	500.0	22.56	96.5	75	125	04/06/2024
Cadmium		1.0		**55.7**	50.00	0	111.4	75	125	04/06/2024
Chromium		1.5		**196**	200.0	1.426	97.1	75	125	04/06/2024
Lead		1.0		**488**	500.0	0	97.7	75	125	04/06/2024
Selenium		1.0		**478**	500.0	0	95.7	75	125	04/08/2024
Vanadium		5.0		**500**	500.0	0	100.0	75	125	04/06/2024
Zinc		15.0		**453**	500.0	0	90.6	75	125	04/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 220875 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24031341-041CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**542**	500.0	0	108.4	534.9	1.29	04/08/2024
Arsenic		1.0		**470**	500.0	0	94.1	477.5	1.50	04/06/2024
Boron		25.0		**500**	500.0	22.56	95.4	505.2	1.11	04/06/2024
Cadmium		1.0		**54.5**	50.00	0	108.9	55.70	2.25	04/06/2024
Chromium		1.5		**189**	200.0	1.426	93.7	195.7	3.50	04/06/2024
Lead		1.0		**477**	500.0	0	95.5	488.5	2.30	04/06/2024
Selenium		1.0		**483**	500.0	0	96.6	478.3	0.94	04/08/2024
Vanadium		5.0		**491**	500.0	0	98.1	500.2	1.94	04/06/2024
Zinc		15.0		**444**	500.0	0	88.7	452.8	2.06	04/06/2024

Batch 221039 **SampType:** MBLK Units µg/L

SampID: MBLK-221039

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	04/09/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	04/09/2024

Batch 221039 **SampType:** LCS Units µg/L

SampID: LCS-221039

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**464**	500.0	0	92.7	80	120	04/09/2024
Iron		25.0		**2010**	2000	0	100.6	80	120	04/09/2024

Batch 221039 **SampType:** MS Units µg/L

SampID: 24031341-020CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**489**	500.0	15.07	94.8	75	125	04/09/2024
Iron		25.0		**3430**	2000	1583	92.4	75	125	04/09/2024

Batch 221039 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24031341-020CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**493**	500.0	15.07	95.6	489.0	0.80	04/09/2024
Iron		25.0		**3490**	2000	1583	95.3	3430	1.69	04/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221122 **SampType:** MBLK Units µg/L

SampID: MBLK-221122

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	04/16/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	04/11/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	04/16/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	04/11/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	04/16/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	04/11/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	04/11/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	04/11/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	04/11/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	04/11/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	04/11/2024

Batch 221122 **SampType:** LCS Units µg/L

SampID: LCS-221122

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**524**	500.0	0	104.9	80	120	04/16/2024
Arsenic		1.0		**467**	500.0	0	93.4	80	120	04/11/2024
Boron		25.0		**496**	500.0	0	99.1	80	120	04/16/2024
Cadmium		1.0		**59.7**	50.00	0	119.5	80	120	04/11/2024
Chromium		1.5		**201**	200.0	0	100.7	80	120	04/16/2024
Iron		25.0		**1910**	2000	0	95.3	80	120	04/11/2024
Lead		1.0		**472**	500.0	0	94.4	80	120	04/11/2024
Manganese		2.0		**479**	500.0	0	95.7	80	120	04/11/2024
Selenium		1.0		**444**	500.0	0	88.8	80	120	04/11/2024
Vanadium		5.0		**416**	500.0	0	83.3	80	120	04/11/2024
Zinc		15.0		**430**	500.0	0	85.9	80	120	04/11/2024

Batch 221122 **SampType:** MS Units µg/L

SampID: 24031341-011CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**494**	500.0	19.24	94.9	75	125	04/11/2024
Iron		25.0		**4300**	2000	2403	95.1	75	125	04/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221122 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24031341-011CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**484**	500.0	19.24	92.9	493.9	2.12	04/11/2024
Iron		25.0		**4250**	2000	2403	92.4	4305	1.26	04/11/2024

Batch 221242 **SampType:** MBLK Units µg/L

SampID: MBLK-221242

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	04/16/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	04/13/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	04/18/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	04/16/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	04/16/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	04/16/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	04/16/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	04/16/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	04/16/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	04/16/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	04/13/2024

Batch 221242 **SampType:** LCS Units µg/L

SampID: LCS-221242

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**561**	500.0	0	112.1	80	120	04/16/2024
Arsenic		1.0		**487**	500.0	0	97.4	80	120	04/13/2024
Boron		25.0		**416**	500.0	0	83.2	80	120	04/18/2024
Cadmium		1.0		**53.3**	50.00	0	106.7	80	120	04/16/2024
Chromium		1.5		**220**	200.0	0	109.8	80	120	04/16/2024
Iron		25.0		**2290**	2000	0	114.5	80	120	04/16/2024
Lead		1.0		**552**	500.0	0	110.4	80	120	04/16/2024
Manganese		2.0		**564**	500.0	0	112.8	80	120	04/16/2024
Selenium		1.0		**505**	500.0	0	101.0	80	120	04/16/2024
Vanadium		5.0		**554**	500.0	0	110.9	80	120	04/16/2024
Zinc		15.0		**454**	500.0	0	90.8	80	120	04/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

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

Batch 221242 **SampType:** MS Units **µg/L**
SampID: 24031341-012CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**499**	500.0	29.81	93.8	75	125	04/13/2024
Iron		25.0		**6000**	2000	3996	100.2	75	125	04/16/2024

Batch 221242 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 24031341-012CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**489**	500.0	29.81	91.9	499.0	1.96	04/13/2024
Iron		25.0		**5810**	2000	3996	90.9	6000	3.17	04/16/2024

Batch 221272 **SampType:** MBLK Units **µg/L**
SampID: MBLK-221272

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	04/20/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	04/13/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	04/16/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	04/13/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	04/16/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	04/16/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	04/13/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	04/16/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	04/13/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	04/16/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	04/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221272 **SampType:** LCS Units **µg/L**
SampID: LCS-221272

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	04/20/2024
Arsenic		1.0		**476**	500.0	0	95.1	80	120	04/13/2024
Boron		25.0		**513**	500.0	0	102.6	80	120	04/16/2024
Cadmium		1.0		**48.0**	50.00	0	96.0	80	120	04/13/2024
Chromium		1.5		**209**	200.0	0	104.3	80	120	04/16/2024
Iron		25.0		**2170**	2000	0	108.5	80	120	04/16/2024
Lead		1.0		**503**	500.0	0	100.7	80	120	04/13/2024
Manganese		2.0		**544**	500.0	0	108.9	80	120	04/16/2024
Selenium		1.0		**426**	500.0	0	85.2	80	120	04/13/2024
Vanadium		5.0		**525**	500.0	0	105.1	80	120	04/16/2024
Zinc		15.0		**468**	500.0	0	93.6	80	120	04/16/2024

Batch 221272 **SampType:** MS Units **µg/L**
SampID: 24031341-067IMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**497**	500.0	0.6284	99.2	75	125	04/20/2024
Arsenic		1.0		**456**	500.0	0	91.2	75	125	04/16/2024
Boron		25.0		**497**	500.0	0	99.3	75	125	04/16/2024
Cadmium		1.0		**48.2**	50.00	0	96.5	75	125	04/16/2024
Chromium		1.5		**194**	200.0	0	97.0	75	125	04/16/2024
Iron		25.0		**1990**	2000	0	99.7	75	125	04/16/2024
Lead		1.0		**496**	500.0	0	99.1	75	125	04/16/2024
Manganese		2.0		**497**	500.0	0	99.4	75	125	04/16/2024
Selenium		1.0		**448**	500.0	0	89.7	75	125	04/16/2024
Vanadium		5.0		**488**	500.0	0	97.7	75	125	04/16/2024
Zinc		15.0		**423**	500.0	0	84.5	75	125	04/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221272 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24031341-067IMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**512**	500.0	0.6284	102.2	496.8	2.94	04/20/2024
Arsenic		1.0		**476**	500.0	0	95.1	456.2	4.18	04/16/2024
Boron		25.0		**535**	500.0	0	107.0	496.7	7.40	04/16/2024
Cadmium		1.0		**49.2**	50.00	0	98.4	48.24	2.01	04/16/2024
Chromium		1.5		**203**	200.0	0	101.5	193.9	4.62	04/16/2024
Iron		25.0		**2120**	2000	0	105.9	1994	6.04	04/16/2024
Lead		1.0		**515**	500.0	0	103.0	495.7	3.81	04/16/2024
Manganese		2.0		**522**	500.0	0	104.5	497.2	4.92	04/16/2024
Selenium		1.0		**461**	500.0	0	92.2	448.5	2.71	04/16/2024
Vanadium		5.0		**505**	500.0	0	100.9	488.3	3.30	04/16/2024
Zinc		15.0		**455**	500.0	0	91.0	422.7	7.39	04/16/2024

Batch 222066 **SampType:** MBLK Units µg/L

SampID: MBLK-222066

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	04/30/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	04/30/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	04/30/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	04/30/2024

Batch 222066 **SampType:** LCS Units µg/L

SampID: LCS-222066

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**488**	500.0	0	97.5	80	120	04/30/2024
Iron		25.0		**1950**	2000	0	97.6	80	120	04/30/2024
Manganese		2.0		**494**	500.0	0	98.8	80	120	04/30/2024

Batch 222313 **SampType:** MBLK Units µg/L

SampID: MBLK-222313

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	05/07/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	05/01/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	05/01/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	05/01/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	05/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 222313 **SampType:** LCS Units **µg/L**
SampID: LCS-222313

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**458**	500.0	0	91.7	80	120	05/07/2024
Arsenic		1.0		**451**	500.0	0	90.1	80	120	05/01/2024
Lead		1.0		**485**	500.0	0	97.1	80	120	05/01/2024
Selenium		1.0		**466**	500.0	0	93.3	80	120	05/01/2024
Zinc		15.0		**423**	500.0	0	84.6	80	120	05/01/2024

Batch 222313 **SampType:** MS Units **µg/L**
SampID: 24042058-002GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**490**	500.0	0	98.0	75	125	05/07/2024
Arsenic		1.0		**467**	500.0	23.30	88.8	75	125	05/02/2024
Lead		1.0		**459**	500.0	0	91.8	75	125	05/02/2024
Selenium		1.0		**472**	500.0	0	94.4	75	125	05/02/2024

Batch 222313 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 24042058-002GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**482**	500.0	0	96.4	490.2	1.65	05/07/2024
Arsenic		1.0		**472**	500.0	23.30	89.8	467.3	1.03	05/02/2024
Lead		1.0		**462**	500.0	0	92.4	458.9	0.65	05/02/2024
Selenium		1.0		**475**	500.0	0	95.1	471.9	0.70	05/02/2024

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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 220750 **SampType:** MBLK Units **µg/L**

SampID: MBLK-220750

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	04/04/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	04/06/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	04/06/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	04/08/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	04/06/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	04/06/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	04/06/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	04/06/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	04/06/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	04/06/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	04/09/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	04/06/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	04/10/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	04/06/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	04/08/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	04/06/2024

Batch 220750 **SampType:** LCS Units **µg/L**

SampID: LCS-220750

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**462**	500.0	0	92.4	80	120	04/04/2024
Arsenic		1.0		**474**	500.0	0	94.8	80	120	04/04/2024
Barium		1.0		**1850**	2000	0	92.5	80	120	04/04/2024
Beryllium		1.0		**58.5**	50.00	0	116.9	80	120	04/08/2024
Boron		25.0		**457**	500.0	0	91.5	80	120	04/04/2024
Cadmium		1.0		**45.7**	50.00	0	91.5	80	120	04/04/2024
Chromium		1.5		**185**	200.0	0	92.4	80	120	04/04/2024
Cobalt		1.0		**464**	500.0	0	92.9	80	120	04/04/2024
Lead		1.0		**444**	500.0	0	88.8	80	120	04/04/2024
Lithium	*	3.0		**543**	500.0	0	108.7	80	120	04/09/2024
Molybdenum		1.5		**423**	500.0	0	84.6	80	120	04/10/2024
Selenium		1.0		**490**	500.0	0	98.0	80	120	04/04/2024
Thallium		2.0		**248**	250.0	0	99.3	80	120	04/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221023 **SampType:** MBLK Units µg/L

SampID: MBLK-221023

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	04/12/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	04/09/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	04/09/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	04/09/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	04/10/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	04/10/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	04/09/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	04/09/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	04/09/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	04/10/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	04/12/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	04/09/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	04/09/2024

Batch 221023 **SampType:** LCS Units µg/L

SampID: LCS-221023

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**565**	500.0	0	113.0	80	120	04/12/2024
Arsenic		1.0		**521**	500.0	0	104.2	80	120	04/09/2024
Barium		1.0		**2350**	2000	0	117.5	80	120	04/09/2024
Beryllium		1.0		**56.5**	50.00	0	112.9	80	120	04/09/2024
Boron		25.0		**529**	500.0	0	105.7	80	120	04/10/2024
Cadmium		1.0	S	**68.2**	50.00	0	136.4	80	120	04/10/2024
Cadmium		1.0		**53.4**	50.00	0	106.8	80	120	04/12/2024
Chromium		1.5		**206**	200.0	0	103.2	80	120	04/09/2024
Cobalt		1.0		**548**	500.0	0	109.7	80	120	04/09/2024
Lead		1.0		**545**	500.0	0	109.0	80	120	04/09/2024
Lithium	*	3.0		**536**	500.0	0	107.2	80	120	04/10/2024
Molybdenum		1.5		**496**	500.0	0	99.1	80	120	04/12/2024
Selenium		1.0		**488**	500.0	0	97.6	80	120	04/09/2024
Thallium		2.0		**296**	250.0	0	118.6	80	120	04/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221023 **SampType:** MS Units µg/L

SampID: 24031341-015BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**558**	500.0	0	111.5	75	125	04/12/2024
Arsenic		1.0		**507**	500.0	0.5448	101.3	75	125	04/09/2024
Barium		1.0		**2320**	2000	31.72	114.3	75	125	04/09/2024
Beryllium		1.0		**51.8**	50.00	0	103.7	75	125	04/09/2024
Boron		25.0		**1260**	500.0	739.7	104.3	75	125	04/10/2024
Cadmium		1.0	S	**66.2**	50.00	0	132.3	75	125	04/10/2024
Chromium		1.5		**192**	200.0	0	96.1	75	125	04/09/2024
Cobalt		1.0		**504**	500.0	1.001	100.5	75	125	04/09/2024
Lead		1.0		**517**	500.0	0	103.3	75	125	04/09/2024
Lithium	*	3.0		**555**	500.0	33.77	104.2	75	125	04/12/2024
Molybdenum		1.5		**492**	500.0	0.6612	98.2	75	125	04/12/2024
Selenium		1.0		**478**	500.0	0	95.5	75	125	04/09/2024
Thallium		2.0		**283**	250.0	0	113.1	75	125	04/09/2024

Batch 221023 **SampType:** MSD Units µg/L RPD Limit **20**

SampID: 24031341-015BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**555**	500.0	0	111.0	557.7	0.51	04/12/2024
Arsenic		1.0		**519**	500.0	0.5448	103.6	506.8	2.32	04/09/2024
Barium		1.0		**2350**	2000	31.72	115.7	2317	1.28	04/09/2024
Beryllium		1.0		**54.9**	50.00	0	109.8	51.84	5.73	04/09/2024
Boron		25.0		**1270**	500.0	739.7	106.4	1261	0.82	04/10/2024
Cadmium		1.0	S	**67.6**	50.00	0	135.2	66.17	2.14	04/10/2024
Chromium		1.5		**197**	200.0	0	98.7	192.3	2.65	04/09/2024
Cobalt		1.0		**519**	500.0	1.001	103.7	503.7	3.08	04/09/2024
Lead		1.0		**524**	500.0	0	104.7	516.6	1.38	04/09/2024
Lithium	*	3.0		**560**	500.0	33.77	105.3	554.7	1.04	04/12/2024
Molybdenum		1.5		**491**	500.0	0.6612	98.0	491.6	0.17	04/12/2024
Selenium		1.0		**484**	500.0	0	96.7	477.7	1.23	04/09/2024
Thallium		2.0		**289**	250.0	0	115.7	282.7	2.33	04/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221127 **SampType:** MBLK Units µg/L

SampID: MBLK-221127

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	04/17/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	04/11/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	04/11/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	04/17/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	04/16/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	04/13/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	04/11/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	04/11/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	04/11/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	04/11/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	04/11/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	04/16/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	04/13/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	04/11/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	04/11/2024

Batch 221127 **SampType:** LCS Units µg/L

SampID: LCS-221127

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**512**	500.0	0	102.4	80	120	04/17/2024
Arsenic		1.0		**519**	500.0	0	103.8	80	120	04/11/2024
Barium		1.0		**2040**	2000	0	101.9	80	120	04/17/2024
Beryllium		1.0		**53.4**	50.00	0	106.8	80	120	04/17/2024
Boron		25.0		**591**	500.0	0	118.1	80	120	04/16/2024
Cadmium		1.0		**54.0**	50.00	0	107.9	80	120	04/13/2024
Cadmium		1.0	S	**66.6**	50.00	0	133.2	80	120	04/11/2024
Chromium		1.5		**220**	200.0	0	110.2	80	120	04/11/2024
Cobalt		1.0		**525**	500.0	0	105.0	80	120	04/11/2024
Lead		1.0		**516**	500.0	0	103.3	80	120	04/11/2024
Lithium	*	3.0		**547**	500.0	0	109.4	80	120	04/11/2024
Lithium	*	3.0		**592**	500.0	0	118.4	80	120	04/16/2024
Molybdenum		1.5		**509**	500.0	0	101.8	80	120	04/13/2024
Selenium		1.0		**498**	500.0	0	99.5	80	120	04/11/2024
Thallium		2.0		**248**	250.0	0	99.0	80	120	04/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221211 **SampType:** MBLK Units µg/L

SampID: MBLK-221211

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	04/15/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	04/13/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	04/15/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	04/15/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	04/17/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	04/13/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	04/15/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	04/13/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	04/15/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	04/15/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	04/13/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	04/13/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	04/15/2024

Batch 221211 **SampType:** LCS Units µg/L

SampID: LCS-221211

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**471**	500.0	0	94.2	80	120	04/17/2024
Arsenic		1.0		**482**	500.0	0	96.4	80	120	04/13/2024
Barium		1.0		**2200**	2000	0	110.2	80	120	04/16/2024
Beryllium		1.0		**57.0**	50.00	0	114.0	80	120	04/15/2024
Boron		25.0		**457**	500.0	0	91.4	80	120	04/17/2024
Cadmium		1.0		**48.9**	50.00	0	97.9	80	120	04/13/2024
Chromium		1.5		**221**	200.0	0	110.3	80	120	04/15/2024
Cobalt		1.0		**502**	500.0	0	100.4	80	120	04/13/2024
Lead		1.0		**554**	500.0	0	110.9	80	120	04/15/2024
Lithium	*	3.0		**550**	500.0	0	110.0	80	120	04/15/2024
Molybdenum		1.5		**468**	500.0	0	93.6	80	120	04/13/2024
Selenium		1.0		**465**	500.0	0	93.0	80	120	04/13/2024
Thallium		2.0		**268**	250.0	0	107.2	80	120	04/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221211 **SampType:** MS Units **µg/L**

SampID: 24031341-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**510**	500.0	0	101.9	75	125	04/17/2024
Arsenic		1.0		**509**	500.0	8.960	100.1	75	125	04/13/2024
Barium		1.0		**2440**	2000	454.2	99.3	75	125	04/17/2024
Beryllium		1.0		**55.5**	50.00	0	111.0	75	125	04/16/2024
Boron		25.0		**593**	500.0	79.19	102.7	75	125	04/17/2024
Cadmium		1.0		**51.5**	50.00	0	103.0	75	125	04/13/2024
Chromium		1.5		**208**	200.0	0	104.0	75	125	04/16/2024
Cobalt		1.0		**509**	500.0	0.1998	101.7	75	125	04/13/2024
Lead		1.0		**543**	500.0	0	108.7	75	125	04/16/2024
Lithium	*	3.0		**504**	500.0	3.200	100.1	75	125	04/18/2024
Molybdenum		1.5		**499**	500.0	2.112	99.4	75	125	04/13/2024
Selenium		1.0		**500**	500.0	0	100.1	75	125	04/13/2024
Thallium		2.0		**262**	250.0	0	105.0	75	125	04/16/2024

Batch 221211 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24031341-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**486**	500.0	0	97.2	509.7	4.73	04/17/2024
Arsenic		1.0		**509**	500.0	8.960	100.1	509.3	0.03	04/13/2024
Barium		1.0		**2330**	2000	454.2	93.9	2441	4.60	04/17/2024
Beryllium		1.0		**55.1**	50.00	0	110.1	55.49	0.75	04/16/2024
Boron		25.0		**584**	500.0	79.19	101.0	592.8	1.44	04/17/2024
Cadmium		1.0		**49.9**	50.00	0	99.7	51.48	3.17	04/13/2024
Chromium		1.5		**213**	200.0	0	106.5	208.0	2.44	04/16/2024
Cobalt		1.0		**503**	500.0	0.1998	100.6	508.9	1.09	04/13/2024
Lead		1.0		**550**	500.0	0	110.1	543.4	1.29	04/16/2024
Lithium	*	3.0		**501**	500.0	3.200	99.6	503.8	0.48	04/18/2024
Molybdenum		1.5		**500**	500.0	2.112	99.5	499.0	0.15	04/13/2024
Selenium		1.0		**486**	500.0	0	97.3	500.4	2.86	04/13/2024
Thallium		2.0		**269**	250.0	0	107.4	262.5	2.31	04/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch **221254** **SampType:** **MBLK** Units **µg/L**

SampID: MBLK-221254

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	04/15/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	04/17/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	04/13/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	04/15/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	04/15/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	04/17/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	04/15/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	04/15/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	04/13/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	04/15/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	04/15/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	04/15/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	04/15/2024
Manganese		2.0	S	**2.5**	0.7500	0	338.9	-100	100	04/15/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	04/11/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	04/15/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	04/15/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	04/15/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	04/15/2024
Tin	*	5.0		**< 5.0**	0.5000	0	0	-100	100	04/13/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	04/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

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

Batch 221254 **SampType:** LCS Units **µg/L**
SampID: LCS-221254

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2070**	2000	0	103.3	80	120	04/15/2024
Antimony		1.0		**487**	500.0	0	97.4	80	120	04/17/2024
Arsenic		1.0		**512**	500.0	0	102.3	80	120	04/13/2024
Barium		1.0	S	**2610**	2000	0	130.3	80	120	04/15/2024
Beryllium		1.0		**57.0**	50.00	0	113.9	80	120	04/15/2024
Boron		25.0		**480**	500.0	0	96.0	80	120	04/17/2024
Cadmium		1.0		**55.6**	50.00	0	111.3	80	120	04/15/2024
Chromium		1.5		**226**	200.0	0	112.8	80	120	04/15/2024
Cobalt		1.0		**540**	500.0	0	108.1	80	120	04/13/2024
Copper		1.0		**285**	250.0	0	114.1	80	120	04/15/2024
Iron		25.0		**2330**	2000	0	116.6	80	120	04/15/2024
Lead		1.0		**554**	500.0	0	110.7	80	120	04/15/2024
Lithium	*	3.0		**554**	500.0	0	110.7	80	120	04/15/2024
Manganese		2.0	B	**573**	500.0	0	114.5	80	120	04/15/2024
Molybdenum		1.5		**499**	500.0	0	99.9	80	120	04/13/2024
Nickel		1.0		**561**	500.0	0	112.3	80	120	04/15/2024
Selenium		1.0		**534**	500.0	0	106.7	80	120	04/15/2024
Silver		1.0		**53.6**	50.00	0	107.2	80	120	04/15/2024
Thallium		2.0		**265**	250.0	0	105.9	80	120	04/15/2024
Tin	*	5.0		**523**	500.0	0	104.5	80	120	04/13/2024
Zinc		15.0		**497**	500.0	0	99.4	80	120	04/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221254 **SampType:** MS Units **µg/L**

SampID: 24031341-071HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2040**	2000	0	102.2	75	125	04/15/2024
Antimony		1.0		**476**	500.0	0	95.3	75	125	04/17/2024
Arsenic		1.0		**512**	500.0	0	102.3	75	125	04/13/2024
Barium		1.0	S	**2630**	2000	0	131.6	75	125	04/15/2024
Beryllium		1.0		**60.9**	50.00	0	121.8	75	125	04/15/2024
Boron		25.0		**503**	500.0	0	100.7	75	125	04/17/2024
Cadmium		1.0		**56.5**	50.00	0	113.0	75	125	04/15/2024
Chromium		1.5		**227**	200.0	0	113.3	75	125	04/15/2024
Cobalt		1.0		**532**	500.0	0	106.4	75	125	04/13/2024
Copper		1.0		**292**	250.0	0.5094	116.6	75	125	04/15/2024
Iron		25.0		**2360**	2000	0	118.2	75	125	04/15/2024
Lead		1.0		**572**	500.0	0	114.3	75	125	04/15/2024
Lithium	*	3.0		**603**	500.0	0	120.7	75	125	04/15/2024
Manganese		2.0	B	**585**	500.0	0	117.0	75	125	04/15/2024
Molybdenum		1.5		**489**	500.0	0	97.8	75	125	04/13/2024
Nickel		1.0		**574**	500.0	0	114.9	75	125	04/15/2024
Selenium		1.0		**544**	500.0	0	108.8	75	125	04/15/2024
Silver		1.0		**54.5**	50.00	0	109.0	75	125	04/15/2024
Thallium		2.0		**276**	250.0	0	110.4	75	125	04/15/2024
Zinc		15.0		**478**	500.0	0	95.6	75	125	04/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

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

Batch 221254 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24031341-071HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**2060**	2000	0	102.9	2044	0.70	04/15/2024
Antimony		1.0		**487**	500.0	0	97.4	476.5	2.19	04/17/2024
Arsenic		1.0		**503**	500.0	0	100.6	511.6	1.71	04/13/2024
Barium		1.0	S	**2600**	2000	0	129.8	2631	1.36	04/15/2024
Beryllium		1.0		**58.8**	50.00	0	117.6	60.88	3.47	04/15/2024
Boron		25.0		**488**	500.0	0	97.5	503.4	3.20	04/17/2024
Cadmium		1.0		**55.9**	50.00	0	111.9	56.48	0.97	04/15/2024
Chromium		1.5		**223**	200.0	0	111.3	226.6	1.75	04/15/2024
Cobalt		1.0		**523**	500.0	0	104.5	532.1	1.79	04/13/2024
Copper		1.0		**287**	250.0	0.5094	114.6	292.1	1.74	04/15/2024
Iron		25.0		**2320**	2000	0	116.2	2363	1.66	04/15/2024
Lead		1.0		**563**	500.0	0	112.5	571.6	1.59	04/15/2024
Lithium	*	3.0		**584**	500.0	0	116.8	603.4	3.29	04/15/2024
Manganese		2.0	B	**572**	500.0	0	114.5	584.8	2.16	04/15/2024
Molybdenum		1.5		**484**	500.0	0	96.9	489.1	0.96	04/13/2024
Nickel		1.0		**562**	500.0	0	112.4	574.3	2.15	04/15/2024
Selenium		1.0		**536**	500.0	0	107.2	543.8	1.45	04/15/2024
Silver		1.0		**53.8**	50.00	0	107.6	54.52	1.33	04/15/2024
Thallium		2.0		**273**	250.0	0	109.3	276.0	0.99	04/15/2024
Zinc		15.0		**481**	500.0	0	96.1	477.9	0.58	04/13/2024

Batch 222063 **SampType:** MBLK Units µg/L

SampID: MBLK-222063

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	04/30/2024

Batch 222063 **SampType:** LCS Units µg/L

SampID: LCS-222063

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		1.0		**517**	500.0	0	103.4	80	120	04/30/2024

SW-846 7470A (DISSOLVED)

Batch 221024 **SampType:** MS Units µg/L

SampID: 24031341-061DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.27**	5.000	0.2289	100.9	75	125	04/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 7470A (DISSOLVED)

Batch 221024 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24031341-061DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.23**	5.000	0.2289	100.0	5.273	0.85	04/09/2024

Batch 221259 **SampType:** MS Units µg/L
SampID: 24031341-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.96**	5.000	0	99.2	75	125	04/11/2024

Batch 221259 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24031341-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.83**	5.000	0	96.6	4.958	2.61	04/11/2024

Batch 221259 **SampType:** MS Units µg/L
SampID: 24031341-034CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.10**	5.000	0	101.9	75	125	04/11/2024

Batch 221259 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24031341-034CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.10**	5.000	0	102.0	5.095	0.12	04/11/2024

Batch 221337 **SampType:** MBLK Units µg/L
SampID: MBLK-221337

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	04/12/2024

Batch 221337 **SampType:** LCS Units µg/L
SampID: LCS-221337

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.60**	5.000	0	111.9	85	115	04/12/2024

Batch 221337 **SampType:** MS Units µg/L
SampID: 24031341-055CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**9.10**	10.00	0	91.0	75	125	04/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 7470A (DISSOLVED)

Batch 221337 **SampType:** MSD Units µg/L RPD Limit 15

SampID: 24031341-055CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**8.52**	10.00	0	85.2	9.104	6.67	04/12/2024

Batch 221952 **SampType:** MS Units µg/L

SampID: 24041754-010CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.40		**9.64**	10.00	0	96.4	75	125	04/25/2024

Batch 221952 **SampType:** MSD Units µg/L RPD Limit 15

SampID: 24041754-010CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.40		**9.68**	10.00	0	96.8	9.641	0.35	04/25/2024

Batch 222067 **SampType:** MS Units µg/L

SampID: 24042058-006GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.07**	5.000	0.2982	95.5	75	125	05/01/2024

Batch 222067 **SampType:** MSD Units µg/L RPD Limit 15

SampID: 24042058-006GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.00**	5.000	0.2982	94.1	5.074	1.38	05/01/2024

SW-846 7470A (TOTAL)

Batch 220853 **SampType:** MBLK Units µg/L

SampID: MBLK-220853

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	04/05/2024

Batch 220853 **SampType:** LCS Units µg/L

SampID: LCS-220853

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.65**	5.000	0	92.9	85	115	04/05/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 7470A (TOTAL)

Batch 221024 **SampType:** MBLK Units µg/L
SampID: MBLK-221024

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	04/09/2024

Batch 221024 **SampType:** LCS Units µg/L
SampID: LCS-221024

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.27**	5.000	0	105.3	85	115	04/09/2024

Batch 221024 **SampType:** MS Units µg/L
SampID: 24031341-017BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.10**	5.000	0	101.9	75	125	04/09/2024

Batch 221024 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24031341-017BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.13**	5.000	0	102.7	5.096	0.73	04/09/2024

Batch 221096 **SampType:** MBLK Units µg/L
SampID: MBLK-221096

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	04/09/2024

Batch 221096 **SampType:** LCS Units µg/L
SampID: LCS-221096

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.98**	5.000	0	99.5	85	115	04/09/2024

Batch 221096 **SampType:** MS Units µg/L
SampID: 24031341-063BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.79**	5.000	0	95.8	75	125	04/09/2024

Batch 221096 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24031341-063BMSD

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	4.790	0.40	04/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 7470A (TOTAL)

Batch 221138 **SampType:** MBLK Units µg/L
SampID: MBLK-221138

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	04/10/2024

Batch 221138 **SampType:** LCS Units µg/L
SampID: LCS-221138

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.42**	5.000	0	108.5	85	115	04/10/2024

Batch 221259 **SampType:** MBLK Units µg/L
SampID: MBLK-221259

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	04/11/2024

Batch 221259 **SampType:** LCS Units µg/L
SampID: LCS-221259

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.11**	5.000	0	102.2	85	115	04/11/2024

Batch 221268 **SampType:** MBLK Units µg/L
SampID: MBLK-221268

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	04/12/2024

Batch 221268 **SampType:** LCS Units µg/L
SampID: LCS-221268

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.63**	5.000	0	112.7	85	115	04/12/2024

Batch 221268 **SampType:** MS Units µg/L
SampID: 24031341-071HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.50**	5.000	0	110.1	75	125	04/12/2024

Batch 221268 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24031341-071HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.53**	5.000	0	110.6	5.504	0.42	04/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

SW-846 7470A (TOTAL)

Batch 221952 **SampType:** MBLK Units **µg/L**
SampID: MBLK-221952

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	04/25/2024

Batch 221952 **SampType:** LCS Units **µg/L**
SampID: LCS-221952

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.96**	5.000	0	99.3	85	115	04/25/2024

Batch 222067 **SampType:** MBLK Units **µg/L**
SampID: MBLK-222067

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	05/01/2024

Batch 222067 **SampType:** LCS Units **µg/L**
SampID: LCS-222067

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.47**	5.000	0	89.4	85	115	04/29/2024

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24031341
Client Project: NEW-24Q2
Report Date: 14-May-24

Carrier: Tracy Carroll
Received By: PRS

Completed by: Paul Schultz
On: 03-Apr-24

Reviewed by: Ellie Hopkins
On: 11-Apr-24

Pages to follow: Chain of custody 24 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C **14.1**
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☑	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

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

Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. - pschultz - 4/3/2024 9:59:21 AM

pH strip #96651/89660. - pschultz - 4/3/2024 9:59:25 AM

Additional Nitric Acid (96331) and Sulfuric Acid (94915) were needed upon arrival at the laboratory. - pschultz - 4/3/2024 9:59:42 AM

G232 was filtered for the dissolved parameters upon arrival at the laboratory. - pschultz - 4/3/2024 10:00:12 AM

Samples were received on 4/3/24 at 17:39 on ice [1.6C - LTG#7]. - pschultz - 4/4/2024 12:05:39 PM

Additional Sodium Hydroxide (95443) and Sulfuric Acid (94915) were needed upon arrival at the laboratory. - pschultz - 4/4/2024 12:07:21 PM

pH strip #96651/89660. - pschultz - 4/4/2024 12:08:05 PM

Samples were received on 4/5/2024 at 11:04 on ice [0.5C - LTG#7]. NR - pschultz - 4/5/2024 11:59:34 AM

Additional Nitric Acid (96869) was needed upon arrival at the laboratory. NR - pschultz - 4/5/2024 12:01:15 PM

pH strip #96651. NR - pschultz - 4/5/2024 12:01:28 PM

Samples were received on 4/8/24 at 1725 on ice [4.8C - LTG7]. pH strip #89660/96651. Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. Additional Sulfuric Acid (94915), Nitric Acid (96869) and Sodium Hydroxide (95443) were

Receiving Check List

Client: Ramboll **Work Order:** 24031341

Client Project: NEW-24Q2 **Report Date:** 14-May-24

needed upon arrival at the laboratory. L1R, S101 and S102 were filtered and preserved Nitric Acid (96869) and Sulfuric Acid (94915) and left unpreserved for the dissolved parameters upon arrival at the laboratory. - amberdilallo - 4/9/2024 9:34:29 AM

Samples were received on 4/9/2024 at 6:18 PM (on ice temp C 0.2 - LTG# 7). - wolinger - 4/10/2024 9:23:49 AM

pH strip #66651/89660. - wolinger - 4/10/2024 9:26:00 AM Additional Sulfuric Acid (94915) was needed in A215, A214, A213, A213 DUP, R219, G2175, and G141. Additional Nitric Acid (96869) was needed in A215, APW02 DUP, and APW09. Additional Sodium Hydroxide (95443) was needed in A215, A214, and A213 upon arrival at the laboratory. PS 4/10/24

Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. - wolinger - 4/10/2024 9:37:24 AM

pH strip #66651/89660. - wolinger - 4/10/2024 4:24 PM

Additional Sulfuric Acid (94915) was needed in Field Blank and EQ Blank, Nitric Acid (96869) was needed in Field Blank and EQ Blank upon arrival at the laboratory. PS 4/10/24

Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. - wolinger - 4/10/2024 4:24 PM

Fieldf Blank and EQ Blank were filtered and preserved with nitric acid (96869) and sulfuric acid (94915) for the dissolved parameters upon arrival at the laboratory. - wolinger - 4/10/2024 4:27:53 PM

Samples were received on 4/10/2024 at 15.16 on ice [10.5C - LTG#7]. - WO - 4/10/2024 4:27:53 PM

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 5

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911
Fax:	
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	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	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./Lab I.D.
1	A213	WT	G				10	2	3	1	3	1						X						24031341-001
2	A214	WT	G				10	2	3	1	3	1						X						24031341-002
3	A215	WT	G				10	2	3	1	3	1						X						24031341-003
4	APW02	WT	G				4	2		2							X			X	X			24031341-004
5	APW03	WT	G				4	2		2							X			X	X			24031341-005
6	APW04	WT	G				4	2		2							X			X	X			24031341-006
7	APW05	WT	G				3	1		2							X				X	X		24031341-007
8	APW05S	WT	G	4/2/24	1352		2	1		1							X			X				24031341-008
9	APW06	WT	G				2	1		1							X			X				24031341-009
10	APW07	WT	G				3	1		2							X				X	X		24031341-010
11	APW08	WT	G				3	1		2							X				X	X		24031341-011
12	APW09	WT	G				3	1		2							X				X	X		24031341-012
13	APW10	WT	G				2	1		1							X				X			24031341-013
14	APW11	WT	G				2	1		1							X				X			24031341-014
15	APW12	WT	G				2	1		1							X				X			24031341-015
16	APW13	WT	G				2	1		1							X				X			24031341-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	Tracy Carroll	4/2/24	1855	Paul Ordey	4/2/24	18:55	4.5 / 14.1 · (Y) · N

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll

DATE Signed (MM/DD/YY): 4/2/24

pH/ 96657/89660 HS OK

Added HNO_3(96331) and H_2SO_4(99915) to samples.
PS 4/3/24

Sample G232 Filtered in lab
PS 4/3/24

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G208	WT	G				0											X						24031341-033
2	G217S	WT	G				10	2	3	1	3	1						X						24031341-034
3	G218	WT	G				0											X						24031341-035
4	G220	WT	G				0											X						24031341-036
5	G221	WT	G				10	2	3	1	3	1						X						24031341-037
6	G222	WT	G				0											X						24031341-038
7	G223	WT	G				0											X						24031341-039
8	G224	WT	G				0											X						24031341-040
9	G225	WT	G	4/2/24	1252		10	2	3	1	3	1						X						24031341-041
10	G230	WT	G	4-2-24	1034		10	2	3	1	3	1						X						24031341-042
11	G231	WT	G	4-2-24	1213		10	2	3	1	3	1						X						24031341-043
12	G232 Filter in lab	WT	G	4-2-24	1334		10	2	3	1	3	1						X						24031341-044
13	G233	WT	G	4-2-24	1441		10	2	3	1	3	1						X						24031341-045
14	G234	WT	G				10	2	3	1	3	1						X						24031341-046
15	L1R	WT	G				7	2	3	2									X					24031341-047
16	L201	WT	G				0												X					24031341-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	Justin Carroll	4/2/24	1855	Paul Zeltner	4/2/24	1855	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp			Y	N	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 4-2-24				

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L202	WT	G				0												X					24031341-049
2	L203	WT	G				0												X					24031341-050
3	L204	WT	G				0												X					24031341-051
4	L205	WT	G				0												X					24031341-052
5	L301	WT	G				20	12	3	1	3	1						X						24031341-053
6	LREP	WT	G				8	4		1	3							X						24031341-054
7	R217D	WT	G				10	2	3	1	3	1						X						24031341-055
8	R219	WT	G				10	2	3	1	3	1						X						24031341-056
9	S101	WT	G				7	2	3	2									X					24031341-057
10	S102	WT	G				7	2	3	2									X					24031341-058
11	SG02	WT	G				0													X				24031341-059
12	T101	WT	G	4/2/24	1040		7	2	3	2									X					24031341-060
13	T102	WT	G	4/2/24	1147		7	2	3	2									X					24031341-061
14	XPW01	WT	G				2	1		1										X				24031341-062
15	XPW02	WT	G				2	1		1										X				24031341-063
16	XPW03	WT	G				2	1		1										X				24031341-064

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
NEW-24Q2 Rev 0	Brian Carroll	4/2/24	1855	Paul DeLetty	4/2/24	1855

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brian Carroll

SIGNATURE of SAMPLER: Brian Carroll DATE Signed (MM/DD/YY): 4/2/24

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 5

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G				10	2	3	1	3	1						X						24031341-001
2	A214	WT	G				10	2	3	1	3	1						X						24031341-002
3	A215	WT	G				10	2	3	1	3	1						X						24031341-003
4	APW02	WT	G				4	2		2							X			X	X			24031341-004
5	APW03	WT	G				4	2		2							X			X	X			24031341-005
6	APW04	WT	G				4	2		2							X			X	X			24031341-006
7	APW05	WT	G				3	1		2							X				X	X		24031341-007
8	APW05S	WT	G				2	1		1							X			X				24031341-008
9	APW06	WT	G				2	1		1							X			X				24031341-009
10	APW07	WT	G				3	1		2							X				X	X		24031341-010
11	APW08	WT	G				3	1		2							X				X	X		24031341-011
12	APW09	WT	G				3	1		2							X				X	X		24031341-012
13	APW10	WT	G				2	1		1							X				X			24031341-013
14	APW11	WT	G				2	1		1							X				X			24031341-014
15	APW12	WT	G				2	1		1							X				X			24031341-015
16	APW13	WT	G				2	1		1							X				X			24031341-016

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q2 Rev 0	Daniel Crump	4-3-24	5:39	Paul Gilley	4/3/24	17:39	-1.6	Y	N	
								X		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillikan

SIGNATURE of SAMPLER: Brett Gillikan DATE Signed (MM/DD/YY): 4-3-24

Added H_2SO_4(94915)/NaOH(95443) to Samples.
pH 96&9/89660
HS OK PS 4/4/24

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 5

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St
	Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone	(217) 753-8911 Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	Sample ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000					Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14	WT	G				2	1		1								X			X								24031341-017
2	APW15	WT	G				2	1		1								X			X								24031341-018
3	APW16	WT	G				2	1		1								X			X								24031341-019
4	APW17	WT	G				3	1		2								X			X								24031341-020
5	APW18	WT	G	TE 3G-4/3/24			2	1		1								X			X								24031341-021
6	G104	WT	G	~~4-3-24~~	~~1509~~		10	2	3	1	3	1								X									24031341-022
7	G105	WT	G	4-3-24	1231		10	2	3	1	3	1								X									24031341-023
8	G106	WT	G	4-3-24	~~1231~~ 1509		10	2	3	1	3	1								X									24031341-024
9	G116	WT	G				10	2	3	1	3	1								X		X							24031341-025
10	G125	WT	G	4-3-24	1400		10	2	3	1	3	1								X									24031341-026
11	G128	WT	G				10	2	3	1	3	1								X									24031341-027
12	G130	WT	G				10	2	3	1	3	1								X									24031341-028
13	G133	WT	G				10	2	3	1	3	1								X									24031341-029
14	G136	WT	G				10	2	3	1	3	1								X									24031341-030
15	G139	WT	G				10	2	3	1	3	1								X									24031341-031
16	G141	WT	G				10	2	3	1	3	1								X									24031341-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q2 Rev 0	Daniel Crump	4-3-24	5:37	Paul Doherty	4/3/24	17:39	-1.6	Y	Y	
								Y		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillman

SIGNATURE of SAMPLER: Brett Gillman DATE Signed (MM/DD/YY): 4-3-24

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

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 5

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St, Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911
Fax:	
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com; Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G208	WT	G				0											X						24031341-033
2	G217S	WT	G				10	2	3	1	3	1						X						24031341-034
3	G218	WT	G				0											X						24031341-035
4	G220	WT	G				0											X						24031341-036
5	G221	WT	G	4-3-24	1038		10	2	3	1	3	1						X						24031341-037
6	G222	WT	G				0											X						24031341-038
7	G223	WT	G				0											X						24031341-039
8	G224	WT	G				0											X						24031341-040
9	G225	WT	G				10	2	3	1	3	1						X						24031341-041
10	G230	WT	G				10	2	3	1	3	1						X						24031341-042
11	G231	WT	G				10	2	3	1	3	1						X						24031341-043
12	G232	WT	G				10	2	3	1	3	1						X						24031341-044
13	G233	WT	G				10	2	3	1	3	1						X						24031341-045
14	G234	WT	G	4-3-24	0958		10	2	3	1	3	1						X						24031341-046
15	L1R	WT	G				7	2	3	2									X					24031341-047
16	L201	WT	G				0												X					24031341-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q2 Rev 0	Daniel Crump	4-3-24	5:39	Paul [illegible]	4/3/24	17:39	-1.6	X		
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 4-3-24

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	Sample ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L202	WT	G				0												X					24031341-049
2	L203	WT	G				0												X					24031341-050
3	L204	WT	G				0												X					24031341-051
4	L205	WT	G				0												X					24031341-052
5	L301	WT	G				20	12	3	1	3	1						X						24031341-053
6	LREP	WT	G				8	4		1	3							X						24031341-054
7	R217D	WT	G				10	2	3	1	3	1						X						24031341-055
8	R219	WT	G				10	2	3	1	3	1						X						24031341-056
9	S101	WT	G				7	2	3	2									X					24031341-057
10	S102	WT	G				7	2	3	2									X					24031341-058
11	SG02	WT	G				0													X				24031341-059
12	T101	WT	G				7	2	3	2									X					24031341-060
13	T102	WT	G				7	2	3	2									X					24031341-061
14	XPW01	WT	G				2	1		1										X				24031341-062
15	XPW02	WT	G				2	1		1										X				24031341-063
16	XPW03	WT	G				2	1		1										X				24031341-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q2 Rev 0	Daniel Crump	4-3-24	5:34	Paul Gilbert	4/3/24	17:39	-1.6	Y	N	
								X		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: Brett Gillihan

DATE Signed (MM/DD/YY): 4-3-24

24031941

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04	WT	G				2	1		1										X				24031341-065
2	XSG01	WT	G				0										X			X				24031341-066
3	Field Blank	WT	G				22	14	3	1	3	1					X	X	X	X	X	X		24031341-067
4	A213 Duplicate	WT	G				10	2	3	1	3	1						X						24031341-068
5	APW02 Duplicate	WT	G				4	2		2							X			X	X			24031341-069
6	G104 Duplicate	WT	G				10	2	3	1	3	1							X					24031341-070
7	Equipment Blank 1	WT	G				22	14	3	1	3	1					X	X	X	X	X	X		24031341-071
8	Equipment Blank 2	WT	G				22	14	3	1	3	1					X	X	X	X	X	X		24031341-072
9	Equipment Blank 3	WT	G				22	14	3	1	3	1					X	X	X	X	X	X		24031341-073
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
NEW-24Q2 Rev 0	Daniel Crump	4-3-24	5:39	Paul Slattery	4/3/24	17:39

SAMPLE CONDITIONS			
Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
-1.6	Y: X	N:	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gilchrist

SIGNATURE of SAMPLER: Brett Gilchrist

DATE Signed (MM/DD/YY): 4-3-24

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

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

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

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	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G				10	2	3	1	3	1						X						24031341-001
2	A214	WT	G				10	2	3	1	3	1						X						24031341-002
3	A215	WT	G				10	2	3	1	3	1						X						24031341-003
4	APW02	WT	G				4	2		2							X			X	X			24031341-004
5	APW03	WT	G				4	2		2							X			X	X			24031341-005
6	APW04	WT	G				4	2		2							X			X	X			24031341-006
7	APW05	WT	G	4-4-24	1441		3	1		2							X				X	X		24031341-007
8	APW05S	WT	G				2	1		1							X			X				24031341-008
9	APW06	WT	G				2	1		1							X			X				24031341-009
10	APW07	WT	G				3	1		2							X				X	X		24031341-010
11	APW08	WT	G				3	1		2							X				X	X		24031341-011
12	APW09	WT	G				3	1		2							X				X	X		24031341-012
13	APW10	WT	G				2	1		1							X				X			24031341-013
14	APW11	WT	G	4-4-24	1400		2	1		1							X				X			24031341-014
15	APW12	WT	G	4-4-24	1254		2	1		1							X				X			24031341-015
16	APW13	WT	G				2	1		1							X				X			24031341-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q2 Rev 0	Daniel Crump	4-5-24	11:04	Whitney Alum	4/5/24	1104	6	Ⓨ	~	
							6			

LTG#1

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gilliham

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 4/4/24

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

Added HNO_3 (96669) to Samples APW05, APW11, APW12, APW14, APW15, APW16 APW17, APW18, XPW01, XPW03, + XPW04

pH 96651 NR 4/5

Rec'd - Whitney Alum

Confidential

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14	WT	G	4/4/24	1427		2	1		1								X			X				24031341-017
2	APW15	WT	G	4/4/24	1048		2	1		1								X			X				24031341-018
3	APW16	WT	G	4/4/24	1143		2	1		1								X			X				24031341-019
4	APW17	WT	G	4/4/24	1238		3	1		2								X			X				24031341-020
5	APW18	WT	G	4/4/24	1335		2	1		1								X			X				24031341-021
6	G104	WT	G				10	2	3	1	3	1								X					24031341-022
7	G105	WT	G				10	2	3	1	3	1								X					24031341-023
8	G106	WT	G				10	2	3	1	3	1								X					24031341-024
9	G116	WT	G				10	2	3	1	3	1								X		X			24031341-025
10	G125	WT	G				10	2	3	1	3	1								X					24031341-026
11	G128	WT	G				10	2	3	1	3	1								X					24031341-027
12	G130	WT	G				10	2	3	1	3	1								X					24031341-028
13	G133	WT	G				10	2	3	1	3	1								X					24031341-029
14	G136	WT	G				10	2	3	1	3	1								X					24031341-030
15	G139	WT	G				10	2	3	1	3	1								X					24031341-031
16	G141	WT	G				10	2	3	1	3	1								X					24031341-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q2 Rev 0	Daniel Crump	4-5-24	11:04	Whitney Dunn	4/5/24	1104		Y	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: Tracy Cowell

SIGNATURE of SAMPLER: Tracy Cowell DATE Signed (MM/DD/YY): 4/4/24

CHAIN-OF-CUSTODY / Analytical Request Document

24031341

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

Page: 4 of 5

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St
	Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911 Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																
1	L202	WT	G				0												X					24031341-049
2	L203	WT	G				0												X					24031341-050
3	L204	WT	G				0												X					24031341-051
4	L205	WT	G				0												X					24031341-052
5	L301	WT	G				20	12	3	1	3	1						X						24031341-053
6	LREP	WT	G				8	4		1	3							X						24031341-054
7	R217D	WT	G				10	2	3	1	3	1						X						24031341-055
8	R219	WT	G				10	2	3	1	3	1						X						24031341-056
9	S101	WT	G				7	2	3	2									X					24031341-057
10	S102	WT	G				7	2	3	2									X					24031341-058
11	SG02	WT	G				0													X				24031341-059
12	T101	WT	G				7	2	3	2									X					24031341-060
13	T102	WT	G				7	2	3	2									X					24031341-061
14	XPW01	WT	G	4-4-24	1031		2	1		1										X				24031341-062
15	XPW02	WT	G	〃	1107		2	1		1										X				24031341-063
16	XPW03	WT	G	〃	1220		2	1		1										X				24031341-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
NEW-24Q2 Rev 0	Daniel Crump	4-5-24	11:04	Whitney Quinn	4/5/24	1104

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: Brett Gillihan

DATE Signed (MM/DD/YY): 4/4/24

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty	REGULATORY AGENCY
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp	NPDES GROUND WATER DRINKING WATER
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A	UST RCRA OTHER
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:	
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:	Site Location STATE: IL
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:	

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04	WT	G	4-4-24	1139		2	1		1										X				24031341-065
2	XSG01	WT	G				0										X				X				24031341-066
3	Field Blank	WT	G				22	14	3	1	3	1					X	X	X	X	X	X			24031341-067
4	A213 Duplicate	WT	G				10	2	3	1	3	1						X							24031341-068
5	APW02 Duplicate	WT	G				4	2		2							X				X	X			24031341-069
6	G104 Duplicate	WT	G				10	2	3	1	3	1							X						24031341-070
7	Equipment Blank 1	WT	G				22	14	3	1	3	1					X	X	X	X	X	X			24031341-071
8	Equipment Blank 2	WT	G				22	14	3	1	3	1					X	X	X	X	X	X			24031341-072
9	Equipment Blank 3	WT	G				22	14	3	1	3	1					X	X	X	X	X	X			24031341-073
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	Daniel Crump	4-5-24	11:04	Whitney Oberle	4/5/24	1104	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Bret A Gilliham			Y	N	
SIGNATURE of SAMPLER:	Bret A Gilliham	DATE Signed (MM/DD/YY): 4/4/24				

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

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

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	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G				10	2	3	1	3	1						X						24031341-001
2	A214	WT	G				10	2	3	1	3	1						X						24031341-002
3	A215	WT	G				10	2	3	1	3	1						X						24031341-003
4	APW02	WT	G				4	2		2							X			X	X			24031341-004
5	APW03	WT	G				4	2		2							X			X	X			24031341-005
6	APW04	WT	G				4	2		2							X			X	X			24031341-006
7	APW05	WT	G				3	1		2							X				X	X		24031341-007
8	APW05S	WT	G				2	1		1							X			X				24031341-008
9	APW06	WT	G				2	1		1							X			X				24031341-009
10	APW07	WT	G				3	1		2							X				X	X		24031341-010
11	APW08	WT	G	4/8/24	1407		3	1		2							X				X	X		24031341-011
12	APW09	WT	G				3	1		2							X				X	X		24031341-012
13	APW10	WT	G	4/8/24	1222		2	1		1							X				X			24031341-013
14	APW11	WT	G				2	1		1							X				X			24031341-014
15	APW12	WT	G				2	1		1							X				X			24031341-015
16	APW13	WT	G	4/8/24	1329		2	1		1							X				X			24031341-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q2 Rev 0	J. Colp	4-8	1725	Paul [signature]	4/8	1725	4.8°C	(Y)		
							LTG7			
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4-8-24

ØHS pH 96651/89660

Added H_2SO_4 (84915) HNO_3 (86869) NaOH (85443)

Filtered samples CIR, S101, S102 in lab.

PS 4/9/24

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14	WT	G				2	1		1						X			X				24031341-017
2	APW15	WT	G				2	1		1						X			X				24031341-018
3	APW16	WT	G				2	1		1						X			X				24031341-019
4	APW17	WT	G				3	1		2						X			X				24031341-020
5	APW18	WT	G				2	1		1						X			X				24031341-021
6	G104	WT	G	4-8-24	1306		10	2	3	1	3	1						X					24031341-022
7	G105	WT	G				10	2	3	1	3	1						X					24031341-023
8	G106	WT	G				10	2	3	1	3	1						X					24031341-024
9	G116	WT	G				10	2	3	1	3	1						X		X			24031341-025
10	G125	WT	G				10	2	3	1	3	1						X					24031341-026
11	G128	WT	G				10	2	3	1	3	1						X					24031341-027
12	G130	WT	G				10	2	3	1	3	1						X					24031341-028
13	G133	WT	G				10	2	3	1	3	1						X					24031341-029
14	G136	WT	G				10	2	3	1	3	1						X					24031341-030
15	G139	WT	G				10	2	3	1	3	1						X					24031341-031
16	G141	WT	G				10	2	3	1	3	1						X					24031341-032

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q2 Rev 0	J. Colp	4-8	1725	Paul DeMoody	4/8	1725		Y	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: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 4-8-24

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 5

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St
	Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911 Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

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

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G208	WT	G				0											X						24031341-033
2	G217S	WT	G				10	2	3	1	3	1						X						24031341-034
3	G218	WT	G				0											X						24031341-035
4	G220	WT	G				0											X						24031341-036
5	G221	WT	G				10	2	3	1	3	1						X						24031341-037
6	G222	WT	G				0											X						24031341-038
7	G223	WT	G				0											X						24031341-039
8	G224	WT	G				0											X						24031341-040
9	G225	WT	G				10	2	3	1	3	1						X						24031341-041
10	G230	WT	G				10	2	3	1	3	1						X						24031341-042
11	G231	WT	G				10	2	3	1	3	1						X						24031341-043
12	G232	WT	G				10	2	3	1	3	1						X						24031341-044
13	G233	WT	G				10	2	3	1	3	1						X						24031341-045
14	G234	WT	G				10	2	3	1	3	1						X						24031341-046
15	L1R Filter in lab	WT	G	4-8-24	1354		7	2	3	2									X					24031341-047
16	L201	WT	G				0												X					24031341-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q2 Rev 0	J. Colp	4-8	1725	Paul [signature]	4/8	1725		Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4-8-24

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

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L202	WT	G				0												X					24031341-049
2	L203	WT	G				0												X					24031341-050
3	L204	WT	G				0												X					24031341-051
4	L205	WT	G				0												X					24031341-052
5	L301 inoperable	WT	G	4-8-24	N/A		20	12	3	1	3	1						X						24031341-053
6	LREP	WT	G				8	4		1	3							X						24031341-054
7	R217D	WT	G	4-8-24	1153		10	2	3	1	3	1						X						24031341-055
8	R219	WT	G				10	2	3	1	3	1						X						24031341-056
9	S101 Filter in lab	WT	G	4-8-24	1215		7	2	3	2									X					24031341-057
10	S102 Filter in lab	WT	G	4-8-24	1227		7	2	3	2									X					24031341-058
11	SG02	WT	G				0													X				24031341-059
12	T101	WT	G				7	2	3	2									X					24031341-060
13	T102	WT	G				7	2	3	2									X					24031341-061
14	XPW01	WT	G				2	1		1										X				24031341-062
15	XPW02	WT	G				2	1		1										X				24031341-063
16	XPW03	WT	G				2	1		1										X				24031341-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	J. Colp	4-8	1725	[signature]	4/8	1725	

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY):	4-8-24

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

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04	WT	G				2	1		1										X				24031341-065
2	XSG01	WT	G				0										X				X				24031341-066
3	Field Blank	WT	G				22	14	3	1	3	1					X	X	X	X	X	X			24031341-067
4	A213 Duplicate	WT	G				10	2	3	1	3	1						X							24031341-068
5	APW02 Duplicate	WT	G				4	2		2							X				X	X			24031341-069
6	G104 Duplicate	WT	G	4-8-24	1306		10	2	3	1	3	1							X						24031341-070
7	Equipment Blank 1	WT	G				22	14	3	1	3	1					X	X	X	X	X	X			24031341-071
8	Equipment Blank 2	WT	G				22	14	3	1	3	1					X	X	X	X	X	X			24031341-072
9	Equipment Blank 3	WT	G				22	14	3	1	3	1					X	X	X	X	X	X			24031341-073
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	J. Colp	4-8	1725	Paul Eckerty	4/8	1725	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp			Y	N	
SIGNATURE of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY): 4-8-24				

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 5

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES, GROUND WATER, DRINKING WATER, UST, RCRA, OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G	4-9-24	1128		10	2	3	1	3	1						X						24031341-001
2	A214	WT	G	4-9-24	1044		10	2	3	1	3	1						X						24031341-002
3	A215	WT	G	4-9-24	0952		10	2	3	1	3	1						X						24031341-003
4	APW02	WT	G	4/9/24	1156		4	2		2							X			X	X			24031341-004
5	APW03	WT	G	4/9/24	1055		4	2		2							X			X	X			24031341-005
6	APW04	WT	G	4/9/24	954		4	2		2							X			X	X			24031341-006
7	APW05	WT	G				3	1		2							X				X	X		24031341-007
8	APW05S	WT	G				2	1		1							X			X				24031341-008
9	APW06	WT	G	4-9-24	1744		2	1		1							X			X				24031341-009
10	APW07	WT	G	4-9-24	1220		3	1		2							X				X	X		24031341-010
11	APW08	WT	G				3	1		2							X				X	X		24031341-011
12	APW09	WT	G	4-9-24	1312		3	1		2							X				X	X		24031341-012
13	APW10	WT	G				2	1		1							X				X			24031341-013
14	APW11	WT	G				2	1		1							X				X			24031341-014
15	APW12	WT	G				2	1		1							X				X			24031341-015
16	APW13	WT	G				2	1		1							X				X			24031341-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q2 Rev 0	Daniel Crisp	4-9	6:18	Paul Schultz	4/9/24	1818	0.2	Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 4-9-24

Added HNO_3 (pH<2), H_2SO_4 (pH<2), NaOH (pH>9)
pH 96651/89660

OK HS 8S 4/10/24

HNO_3 added to A215, APW02DUP, APW09
H_2SO_4 added to A215, A214, A213, A213DUP, R219, G2175, G141
NaOH added to A215, A214, A213

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #	

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

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14	WT	G				2	1		1							X			X				24031341-017
2	APW15	WT	G				2	1		1							X			X				24031341-018
3	APW16	WT	G				2	1		1							X			X				24031341-019
4	APW17	WT	G				3	1		2							X			X				24031341-020
5	APW18	WT	G				2	1		1							X			X				24031341-021
6	G104	WT	G				10	2	3	1	3	1							X					24031341-022
7	G105	WT	G				10	2	3	1	3	1							X					24031341-023
8	G106	WT	G				10	2	3	1	3	1							X					24031341-024
9	G116	WT	G				10	2	3	1	3	1							X		X			24031341-025
10	G125	WT	G				10	2	3	1	3	1							X					24031341-026
11	G128	WT	G				10	2	3	1	3	1							X					24031341-027
12	G130	WT	G	4/9/24	1406		10	2	3	1	3	1							X					24031341-028
13	G133	WT	G	4/9/24	1518		10	2	3	1	3	1							X					24031341-029
14	G136	WT	G				10	2	3	1	3	1							X					24031341-030
15	G139	WT	G	4/9/24	1321		10	2	3	1	3	1							X					24031341-031
16	G141	WT	G	4-9-24	1439		10	2	3	1	3	1							X					24031341-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	Daniel Crump	4-9	6:18	Paul Eckley	4/9/24	1818	0.2 (Y) Y

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY): 4-9-24				

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #	

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

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G208	WT	G				0											X						24031341-033
2	G217S	WT	G	4-9-24	1341		10	2	3	1	3	1						X						24031341-034
3	G218	WT	G				0											X						24031341-035
4	G220	WT	G				0											X						24031341-036
5	G221	WT	G				10	2	3	1	3	1						X						24031341-037
6	G222	WT	G				0											X						24031341-038
7	G223	WT	G				0											X						24031341-039
8	G224	WT	G				0											X						24031341-040
9	G225	WT	G				10	2	3	1	3	1						X						24031341-041
10	G230	WT	G				10	2	3	1	3	1						X						24031341-042
11	G231	WT	G				10	2	3	1	3	1						X						24031341-043
12	G232	WT	G				10	2	3	1	3	1						X						24031341-044
13	G233	WT	G				10	2	3	1	3	1						X						24031341-045
14	G234	WT	G				10	2	3	1	3	1						X						24031341-046
15	L1R	WT	G				7	2	3	2									X					24031341-047
16	L201	WT	G				0												X					24031341-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	Daniel Crupp	4-9	6:18	Paul Gilbert	4/9/24	1818	0.2 (Y) N

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY): 4-9-24				

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 5

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Information

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

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

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	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L202	WT	G				0												X					24031341-049
2	L203	WT	G				0												X					24031341-050
3	L204	WT	G				0												X					24031341-051
4	L205	WT	G				0												X					24031341-052
5	L301	WT	G				20	12	3	1	3	1						X						24031341-053
6	LREP	WT	G				8	4		1	3							X						24031341-054
7	R217D	WT	G				10	2	3	1	3	1						X						24031341-055
8	R219	WT	G	4-9-24	1407		10	2	3	1	3	1						X						24031341-056
9	S101	WT	G				7	2	3	2									X					24031341-057
10	S102	WT	G				7	2	3	2									X					24031341-058
11	SG02	WT	G				0													X				24031341-059
12	T101	WT	G				7	2	3	2									X					24031341-060
13	T102	WT	G				7	2	3	2									X					24031341-061
14	XPW01	WT	G				2	1		1										X				24031341-062
15	XPW02	WT	G				2	1		1										X				24031341-063
16	XPW03	WT	G				2	1		1										X				24031341-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q2 Rev 0	Daniel Crump	4-9	6:18	Karl Ecklay	4/9/24	1818	0.2	Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: Justin Cole DATE Signed (MM/DD/YY): 4-9-24

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 5

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

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

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

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	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04	WT	G				2	1		1										X				24031341-065
2	XSG01	WT	G				0										X			X				24031341-066
3	Field Blank	WT	G				22	14	3	1	3	1					X	X	X	X	X	X		24031341-067
4	A213 Duplicate	WT	G	4-9-24	1128		10	2	3	1	3	1						X						24031341-068
5	APW02 Duplicate	WT	G	4/9/24	1156		4	2		2							X			X	X			24031341-069
6	G104 Duplicate	WT	G				10	2	3	1	3	1							X					24031341-070
7	Equipment Blank 1	WT	G				22	14	3	1	3	1					X	X	X	X	X	X		24031341-071
8	Equipment Blank 2	WT	G				22	14	3	1	3	1					X	X	X	X	X	X		24031341-072
9	Equipment Blank 3	WT	G				22	14	3	1	3	1					X	X	X	X	X	X		24031341-073
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q2 Rev 0	Daniel Crump	4-9	6:18	[signature]	4/9/24	1818	0.2	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: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4-9-24

Confidential

CHAIN-OF-CUSTODY / Analytical Request Document

24031341

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

Page: 2 of 5

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St
	Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14	WT	G				2	1		1							X			X				24031341-017
2	APW15	WT	G				2	1		1							X			X				24031341-018
3	APW16	WT	G				2	1		1							X			X				24031341-019
4	APW17	WT	G				3	1		2							X			X				24031341-020
5	APW18	WT	G				2	1		1							X			X				24031341-021
6	G104	WT	G				10	2	3	1	3	1							X					24031341-022
7	G105	WT	G				10	2	3	1	3	1							X					24031341-023
8	G106	WT	G				10	2	3	1	3	1							X					24031341-024
9	G116	WT	G	4-10-24	1051		10	2	3	1	3	1							X		X			24031341-025
10	G125	WT	G				10	2	3	1	3	1							X					24031341-026
11	G128	WT	G	4-10-24	0956		10	2	3	1	3	1							X					24031341-027
12	G130	WT	G				10	2	3	1	3	1							X					24031341-028
13	G133	WT	G				10	2	3	1	3	1							X					24031341-029
14	G136	WT	G	4-10-24	1048		10	2	3	1	3	1							X					24031341-030
15	G139	WT	G				10	2	3	1	3	1							X					24031341-031
16	G141	WT	G				10	2	3	1	3	1							X					24031341-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	Daniel Crump	4-10	3:16		4/10/24	1516	

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4-10-24

Filtered FB + EQ Blank 1 in lab
Added H_2SO_4 (99915) to FB + EQ Blank 1
Added HNO_3 (91869) to FB + EQ Blank 1
pH ✓ 91661/89660 BHS

UTG7

24031341

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #	

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

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04	WT	G				2	1		1											X				24031341-065
2	XSG01	WT	G				0											X			X				24031341-066
3	Field Blank	WT	G	4-10-24	1045		22	14	3	1	3	1						X	X	X	X	X	X		24031341-067
4	A213 Duplicate	WT	G				10	2	3	1	3	1							X						24031341-068
5	APW02 Duplicate	WT	G				4	2		2								X			X	X			24031341-069
6	G104 Duplicate	WT	G				10	2	3	1	3	1								X					24031341-070
7	Equipment Blank 1	WT	G	4-10-24	3:16		22	14	3	1	3	1						X	X	X	X	X	X		24031341-071
8	Equipment Blank 2	WT	G				22	14	3	1	3	1						X	X	X	X	X	X		24031341-072
9	Equipment Blank 3	WT	G				22	14	3	1	3	1						X	X	X	X	X	X		24031341-073
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
NEW-24Q2 Rev 0	Daniel Crump	4-10	3:16	[signature]	4/10/24	1516

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4-10-24

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

June 12, 2024

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

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: NEW-24Q2 **WorkOrder:** 24031342

Dear Eric Bauer:

TEKLAB, INC received 21 samples on 4/10/2024 3:16:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

Client: Ramboll
Work Order: 24031342
Client Project: NEW-24Q2
Report Date: 12-Jun-24

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

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

Definitions

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: NEW-24Q2

Work Order: 24031342
Report Date: 12-Jun-24

Cooler Receipt Temp: 14.1 °C

An employee of Teklab, Inc. collected the sample(s). Equipment Blanks 2 and 3 were not needed.

Ra226/228 analyses were performed by Eurofins St. Louis. See attached report for results and QC.

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll
Work Order: 24031342
Client Project: NEW-24Q2
Report Date: 12-Jun-24

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-001 **Client Sample ID:** APW02

Matrix: GROUNDWATER **Collection Date:** 04/09/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:11	R348614

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-002 **Client Sample ID:** APW03

Matrix: GROUNDWATER **Collection Date:** 04/09/2024 10:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:11	R348614

Laboratory Results

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

Client: Ramboll
Work Order: 24031342
Client Project: NEW-24Q2
Report Date: 12-Jun-24
Lab ID: 24031342-003
Client Sample ID: APW04
Matrix: GROUNDWATER
Collection Date: 04/09/2024 9:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:11	R348614

Laboratory Results

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

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-004 **Client Sample ID:** APW05

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 14:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:12	R348614

Laboratory Results

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

Client: Ramboll
Work Order: 24031342
Client Project: NEW-24Q2
Report Date: 12-Jun-24
Lab ID: 24031342-005
Client Sample ID: APW05S
Matrix: GROUNDWATER
Collection Date: 04/02/2024 13:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:12	R348614

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-006 **Client Sample ID:** APW06

Matrix: GROUNDWATER **Collection Date:** 04/09/2024 12:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:12	R348614

Laboratory Results

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

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-007 **Client Sample ID:** APW07

Matrix: GROUNDWATER **Collection Date:** 04/09/2024 12:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:14	R348614

Laboratory Results

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

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-008 **Client Sample ID:** APW08

Matrix: GROUNDWATER **Collection Date:** 04/08/2024 14:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:14	R348614

Laboratory Results

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-009 **Client Sample ID:** APW09

Matrix: GROUNDWATER **Collection Date:** 04/09/2024 13:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:14	R348614

Laboratory Results

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

Client: Ramboll
Work Order: 24031342
Client Project: NEW-24Q2
Report Date: 12-Jun-24
Lab ID: 24031342-010
Client Sample ID: APW10
Matrix: GROUNDWATER
Collection Date: 04/08/2024 12:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:14	R348614

Laboratory Results

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

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-011 **Client Sample ID:** APW11

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 14:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:21	R348614

Laboratory Results

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-012 **Client Sample ID:** APW12

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:21	R348614

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-013 **Client Sample ID:** APW13

Matrix: GROUNDWATER **Collection Date:** 04/08/2024 13:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:21	R348614

Laboratory Results

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

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-014 **Client Sample ID:** APW14

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 14:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:21	R348614

Laboratory Results

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

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-015 **Client Sample ID:** APW15

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 10:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:21	R348614

Laboratory Results

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

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-016 **Client Sample ID:** APW16

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 11:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:21	R348614

Laboratory Results

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-017 **Client Sample ID:** APW17

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:21	R348614

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-018 **Client Sample ID:** APW18

Matrix: GROUNDWATER **Collection Date:** 04/04/2024 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:21	R348614

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24031342

Client Project: NEW-24Q2 **Report Date:** 12-Jun-24

Lab ID: 24031342-019 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 04/10/2024 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:22	R348614

Laboratory Results

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

Client: Ramboll
Work Order: 24031342
Client Project: NEW-24Q2
Report Date: 12-Jun-24
Lab ID: 24031342-020
Client Sample ID: APW02 Duplicate
Matrix: GROUNDWATER
Collection Date: 04/09/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/06/2024 12:22	R348614

Laboratory Results

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

Client: Ramboll
Work Order: 24031342
Client Project: NEW-24Q2
Report Date: 12-Jun-24
Lab ID: 24031342-021
Client Sample ID: Equipment Blank 1
Matrix: GROUNDWATER
Collection Date: 04/10/2024 15:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/03/2024 12:11	R348614

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: NEW-24Q2

Work Order: 24031342
Report Date: 12-Jun-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24031342-001	APW02	Groundwater	1	04/09/2024 11:56
24031342-002	APW03	Groundwater	1	04/09/2024 10:55
24031342-003	APW04	Groundwater	1	04/09/2024 9:54
24031342-004	APW05	Groundwater	1	04/04/2024 14:41
24031342-005	APW05S	Groundwater	1	04/02/2024 13:52
24031342-006	APW06	Groundwater	1	04/09/2024 12:44
24031342-007	APW07	Groundwater	1	04/09/2024 12:20
24031342-008	APW08	Groundwater	1	04/08/2024 14:07
24031342-009	APW09	Groundwater	1	04/09/2024 13:12
24031342-010	APW10	Groundwater	1	04/08/2024 12:22
24031342-011	APW11	Groundwater	1	04/04/2024 14:00
24031342-012	APW12	Groundwater	1	04/04/2024 12:54
24031342-013	APW13	Groundwater	1	04/08/2024 13:29
24031342-014	APW14	Groundwater	1	04/04/2024 14:27
24031342-015	APW15	Groundwater	1	04/04/2024 10:48
24031342-016	APW16	Groundwater	1	04/04/2024 11:43
24031342-017	APW17	Groundwater	1	04/04/2024 12:38
24031342-018	APW18	Groundwater	1	04/04/2024 13:35
24031342-019	Field Blank	Aqueous	1	04/10/2024 10:45
24031342-020	APW02 Duplicate	Groundwater	1	04/09/2024 11:56
24031342-021	Equipment Blank 1	Groundwater	1	04/10/2024 15:16

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24031342
Client Project: NEW-24Q2
Report Date: 12-Jun-24

Carrier: Tracy Carroll
Received By: PRS

Completed by: Paul Schultz
On: 03-Apr-24

Reviewed by: Ellie Hopkins
On: 11-Apr-24

Pages to follow: Chain of custody 24 Extra pages included 31

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C **14.1**
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

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

pH strip #96651. - PS/ehurley - 4/3/2024 2:45:52 PM

Samples were received on 4/5/2024 at 11:04 on ice [1.5C - LTG#7]. - pschultz - 4/5/2024 11:37:41 AM

Additional Nitric Acid (96869) was needed in APW05, APW11, APW12, APW15, APW17, and APW18 upon arrival at the laboratory. LM - pschultz - 4/5/2024 11:39:37 AM

pH strip #96651. LM - pschultz - 4/5/2024 11:40:03 AM

Samples were received on 4/8/24 at 1725 on ice [4.8C - LTG7]. pH strip #96651. Additional Nitric Acid (96869) was needed upon arrival at the laboratory. - amberdilallo - 4/9/2024 9:01:20 AM

Samples were received on 4/9/24 at 18:18 on ice. Temp: 0.2C - LTG#3. - nickreed - 4/10/2024 9:31:06 AM

Additional Nitric Acid (96869) was needed in APW02, APW04, APW09, and APW02 Duplicate upon arrival at the laboratory. pH strip #96651. - nickreed - 4/10/2024 9:31:25 AM

pH strip #96651. - LH/ehurley - 4/10/24

Samples were received on 4/10/24 at 1516 on ice at 16.5C LTG# 7. - NR/ehopkins - 4/11/2024 8:35:51 AM

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 5

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St, Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911
Fax:	
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com; Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	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	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./Lab I.D.
1	A213	WT	G															X						N/A
2	A214	WT	G															X						N/A
3	A215	WT	G															X						N/A
4	APW02	WT	G				2			2							X			X	X			24031342-001
5	APW03	WT	G				2			2							X			X	X			24031342-002
6	APW04	WT	G				2			2							X			X	X			24031342-003
7	APW05	WT	G				2			2							X				X	X		24031342-004
8	APW05S	WT	G	4/2/24	1352		2			2							X			X				24031342-005
9	APW06	WT	G				2			2							X			X				24031342-006
10	APW07	WT	G				2			2							X				X	X		24031342-007
11	APW08	WT	G				2			2							X				X	X		24031342-008
12	APW09	WT	G				2			2							X				X	X		24031342-009
13	APW10	WT	G				2			2							X				X			24031342-010
14	APW11	WT	G				2			2							X				X			24031342-011
15	APW12	WT	G				2			2							X				X			24031342-012
16	APW13	WT	G				2			2							X				X			24031342-013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0 Ra226/228 only.	Terry Carrell	4/2/24	1855	Paul [illegible]	4/2/24	18:55	#5 14.1

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carrel

SIGNATURE of SAMPLER: Terry Carrell

DATE Signed (MM/DD/YY): 4/2/24

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

pH✓ 96651/89660

Added HNO_3(96331) + H_2SO_4(94915) to Samples

RS 4/3/24

2403134

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
																Requested Analysis Filtered (Y/N)								
1	G208	WT	G															X						N/A
2	G217S	WT	G															X						N/A
3	G218	WT	G															X						N/A
4	G220	WT	G															X						N/A
5	G221	WT	G															X						N/A
6	G222	WT	G															X						N/A
7	G223	WT	G															X						N/A
8	G224	WT	G															X						N/A
9	G225	WT	G	4/2/24	1252													X						N/A
10	G230	WT	G	4-2-24	1034													X						N/A
11	G231	WT	G	4-2-24	1213													X						N/A
12	G232 Filter in lab	WT	G	4-2-24	1334													X						N/A
13	G233	WT	G	4-2-24	1441													X						N/A
14	G234	WT	G															X						N/A
15	L1R	WT	G																X					N/A
16	L201	WT	G																X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0		4/2/24			4/2/24	1855	
Ra226/228 only.							

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 4-2-24				

2403T42

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L202	WT	G																X					N/A
2	L203	WT	G																X					N/A
3	L204	WT	G																X					N/A
4	L205	WT	G																X					N/A
5	L301	WT	G														X							N/A
6	LREP	WT	G														X							N/A
7	R217D	WT	G														X							N/A
8	R219	WT	G														X							N/A
9	S101	WT	G																X					N/A
10	S102	WT	G																X					N/A
11	SG02	WT	G																	X				N/A
12	T101	WT	G	4/2/24	1040														X					N/A
13	T102	WT	G	4/2/24	1147														X					N/A
14	XPW01	WT	G																	X				N/A
15	XPW02	WT	G																	X				N/A
16	XPW03	WT	G																	X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	Tracy Carroll	4/2/24	1855	Paul Gelder	4/2/24	1855	
Ra226/228 only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 4/2/24

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

CHAIN-OF-CUSTODY / Analytical Request Document

24031342

NEW-257-501

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

Page: 1 of 5

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #	

REGULATORY AGENCY: NPDES; GROUND WATER; DRINKING WATER; UST; RCRA; OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G															X						N/A
2	A214	WT	G															X						N/A
3	A215	WT	G															X						N/A
4	APW02	WT	G				2			2							X			X	X				24031342-001
5	APW03	WT	G				2			2							X			X	X				24031342-002
6	APW04	WT	G				2			2							X			X	X				24031342-003
7	APW05	WT	G				2			2							X				X	X			24031342-004
8	APW05S	WT	G				2			2							X			X					24031342-005
9	APW06	WT	G				2			2							X			X					24031342-006
10	APW07	WT	G				2			2							X				X	X			24031342-007
11	APW08	WT	G				2			2							X				X	X			24031342-008
12	APW09	WT	G				2			2							X				X	X			24031342-009
13	APW10	WT	G				2			2							X				X				24031342-010
14	APW11	WT	G				2			2							X				X				24031342-011
15	APW12	WT	G				2			2							X				X				24031342-012
16	APW13	WT	G				2			2							X				X				24031342-013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	Daniel Crump	4/3/24	5:34	Paul Gelhaus	4/3/24	17:39	-1.6
Ra226/228 only.							

	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	-1.6	Y X	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillaspie

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 4-3-24

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																
1	APW14	WT	G				2			2							X			X				24031342-014
2	APW15	WT	G				2			2							X			X				24031342-015
3	APW16	WT	G				2			2							X			X				24031342-016
4	APW17	WT	G				2			2							X			X				24031342-017
5	APW18	WT	G				2			2							X			X				24031342-018
6	G104	WT	G																X					N/A
7	G105	WT	G	4-3-24	1509														X					N/A
8	G106	WT	G	4-3-24	1231														X					N/A
9	G116	WT	G																X		X			N/A
10	G125	WT	G	4-3-24	1400														X					N/A
11	G128	WT	G																X					N/A
12	G130	WT	G																X					N/A
13	G133	WT	G																X					N/A
14	G136	WT	G																X					N/A
15	G139	WT	G																X					N/A
16	G141	WT	G																X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q2 Rev 0	Daniel Crump	4/3/24	5:39	Paul Gallen	4/3/24	17:39	-1.6	Y	Y	
Ra226/228 only.								X		

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER:	Brett Gwillam	
SIGNATURE of SAMPLER:	Brett Gwillam	DATE Signed (MM/DD/YY): 4-3-24

2403134

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G208	WT	G															X						N/A
2	G217S	WT	G															X						N/A
3	G218	WT	G															X						N/A
4	G220	WT	G															X						N/A
5	G221	WT	G	4-3-24	1038													X						N/A
6	G222	WT	G															X						N/A
7	G223	WT	G															X						N/A
8	G224	WT	G															X						N/A
9	G225	WT	G															X						N/A
10	G230	WT	G															X						N/A
11	G231	WT	G															X						N/A
12	G232	WT	G															X						N/A
13	G233	WT	G															X						N/A
14	G234	WT	G	4-3-24	0958													X						N/A
15	L1R	WT	G																X					N/A
16	L201	WT	G																X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q2 Rev 0	Daniel Crump	4-3-24	5:39	Paul Zelley	4/3/24	17:39	-1.6	Y	N	
Ra226/228 only.								X		

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY): 4-3-24				

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L202	WT	G																X					N/A
2	L203	WT	G																X					N/A
3	L204	WT	G																X					N/A
4	L205	WT	G																X					N/A
5	L301	WT	G															X						N/A
6	LREP	WT	G															X						N/A
7	R217D	WT	G															X						N/A
8	R219	WT	G															X						N/A
9	S101	WT	G																X					N/A
10	S102	WT	G																X					N/A
11	SG02	WT	G																	X				N/A
12	T101	WT	G																X					N/A
13	T102	WT	G																X					N/A
14	XPW01	WT	G																	X				N/A
15	XPW02	WT	G																	X				N/A
16	XPW03	WT	G																	X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q2 Rev 0	Daniel Crump	4-3-24	5:59	Paul Doherty	4/3/24	17:39	-1.6	Y	N	
Ra226/228 only.								X		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 4-3-24

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

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 5

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04	WT	G																	X				N/A
2	XSG01	WT	G														X			X				N/A
3	Field Blank	WT	G				2			2							X	X	X	X	X	X		24031342-019
4	A213 Duplicate	WT	G															X						N/A
5	APW02 Duplicate	WT	G				2			2							X			X	X			24031342-020
6	G104 Duplicate	WT	G																X					N/A
7	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X		24031342-021
8	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X		24031342-022
9	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X		24031342-023
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	Daniel Crump	4-3-24	5:59	Paul Gutzey	4/3/24	17:39	-16
Ra226/228 only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: Brett Gillihan

DATE Signed (MM/DD/YY): 4-3-24

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

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 5

Section A — Required Client Information:		Section B — Required Project Information:		Section C — Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES — GROUND WATER — DRINKING WATER
UST — RCRA — OTHER

Site Location STATE: IL

Section D Required Client Information

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

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

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	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G															X						N/A
2	A214	WT	G															X						N/A
3	A215	WT	G															X						N/A
4	APW02	WT	G				2			2							X			X	X			24031342-001
5	APW03	WT	G				2			2							X			X	X			24031342-002
6	APW04	WT	G				2			2							X			X	X			24031342-003
7	* APW05	WT	G	4-4-24	1441		2			2							X				X	X		24031342-004
8	APW05S	WT	G				2			2							X			X				24031342-005
9	APW06	WT	G				2			2							X			X				24031342-006
10	APW07	WT	G				2			2							X				X	X		24031342-007
11	APW08	WT	G				2			2							X				X	X		24031342-008
12	APW09	WT	G				2			2							X				X	X		24031342-009
13	APW10	WT	G	~~4-4-24~~	~~2310 1400~~	0	2			2							X				X			24031342-010
14	* APW11	WT	G	4-4-24	1400		2			2							X				X			24031342-011
15	* APW12	WT	G	4-4-24	1254		2			2							X				X			24031342-012
16	APW13	WT	G				2			2							X				X			24031342-013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	Daniel Cremo [signature]	4-5-24	11:04	[signature]	4/5/24	1104	1.5 ⊙
Ra226/228 only.							LT67

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Guillhan

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4/4/24

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

* Added HNO3 (968169) LM 4/5
PhV: 96651

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14	WT	G	4/4/24	1427		2			2						X			X				24031342-014
2	APW15	WT	G	4/4/24	1048		2			2						X			X				24031342-015
3	APW16	WT	G	4/4/24	1143		2			2						X			X				24031342-016
4	APW17	WT	G	4/4/24	1258		2			2						X			X				24031342-017
5	APW18	WT	G	4/4/24	1335		2			2						X			X				24031342-018
6	G104	WT	G															X					N/A
7	G105	WT	G															X					N/A
8	G106	WT	G															X					N/A
9	G116	WT	G															X		X			N/A
10	G125	WT	G															X					N/A
11	G128	WT	G															X					N/A
12	G130	WT	G															X					N/A
13	G133	WT	G															X					N/A
14	G136	WT	G															X					N/A
15	G139	WT	G															X					N/A
16	G141	WT	G															X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q2 Rev 0	Daniel Camp	4-5-24	1104	Whitney Olinger	4/5/24	1104	1.5	⊗	Y	
Ra226/228 only.										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Conrad

SIGNATURE of SAMPLER: Tracy Conrad DATE Signed (MM/DD/YY): 4/4/24

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St
	Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L202	WT	G																X					N/A
2	L203	WT	G																X					N/A
3	L204	WT	G																X					N/A
4	L205	WT	G																X					N/A
5	L301	WT	G															X						N/A
6	LREP	WT	G															X						N/A
7	R217D	WT	G															X						N/A
8	R219	WT	G															X						N/A
9	S101	WT	G																X					N/A
10	S102	WT	G																X					N/A
11	SG02	WT	G																	X				N/A
12	T101	WT	G																X					N/A
13	T102	WT	G																X					N/A
14	XPW01	WT	G	4-4-24	1031															X				N/A
15	XPW02	WT	G	1	1104															X				N/A
16	XPW03	WT	G	1	1220															X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	Daniel Comp	4-5-24	1104	Whitney Dinger	4/5/24	1104	
Ra226/228 only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carver

SIGNATURE of SAMPLER: Tracy Carver DATE Signed (MM/DD/YY): 4/4/24

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

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 5

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: 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	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	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04	WT	G	4-4-24	1139															X				N/A
2	XSG01	WT	G														X			X				N/A
3	Field Blank	WT	G				2			2							X	X	X	X	X	X		24031342-019
4	A213 Duplicate	WT	G															X						N/A
5	APW02 Duplicate	WT	G				2			2							X			X	X			24031342-020
6	G104 Duplicate	WT	G																X					N/A
7	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X		24031342-021
8	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X		24031342-022
9	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X		24031342-023
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0 Ra226/228 only.	Daniel Camp	4-5-24	11:04	Whitney Dlinske	4/5/24	1104	Y N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gilliham

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 4/4/24

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

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 5

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES / **GROUND WATER** / DRINKING WATER / UST / RCRA / OTHER

Site Location STATE: IL

Section D Required Client Information. Valid Matrix Codes (MATRIX / CODE): DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	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	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G														X						N/A
2	A214	WT	G														X						N/A
3	A215	WT	G														X						N/A
4	APW02	WT	G				2			2						X			X	X			24031342-001
5	APW03	WT	G				2			2						X			X	X			24031342-002
6	APW04	WT	G				2			2						X			X	X			24031342-003
7	APW05	WT	G				2			2						X				X	X		24031342-004
8	APW05S	WT	G				2			2						X			X				24031342-005
9	APW06	WT	G				2			2						X			X				24031342-006
10	APW07	WT	G				2			2						X				X	X		24031342-007
11	APW08	WT	G	4/8/24	1407		2			2						X				X	X		24031342-008
12	APW09	WT	G				2			2						X				X	X		24031342-009
13	APW10	WT	G	4/8/24	1222		2			2						X				X			24031342-010
14	APW11	WT	G				2			2						X				X			24031342-011
15	APW12	WT	G				2			2						X				X			24031342-012
16	APW13	WT	G	4/8/24	1329		2			2						X				X			24031342-013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q2 Rev 0	J. Cole	4-8	1725	Paul [signature]	4-8	1725	4.8°C	Y	N	
Ra226/228 only.							LT67			
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4-8-24

added HNO_3 (91869)
pH/ 91651 PS 4/9/24

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14		WT	G				2			2						X			X					24031342-014
2	APW15		WT	G				2			2						X			X					24031342-015
3	APW16		WT	G				2			2						X			X					24031342-016
4	APW17		WT	G				2			2						X			X					24031342-017
5	APW18		WT	G				2			2						X			X					24031342-018
6	G104		WT	G	4-8-24	1306													X						N/A
7	G105		WT	G															X						N/A
8	G106		WT	G															X						N/A
9	G116		WT	G															X		X				N/A
10	G125		WT	G															X						N/A
11	G128		WT	G															X						N/A
12	G130		WT	G															X						N/A
13	G133		WT	G															X						N/A
14	G136		WT	G															X						N/A
15	G139		WT	G															X						N/A
16	G141		WT	G															X						N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q2 Rev 0	J. Colp	4-8	1725	[signature]	4/8	1725		Y	Y	
Ra226/228 only.										

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Justin Colp
SIGNATURE of SAMPLER:	[signature]
DATE Signed (MM/DD/YY):	4-8-24

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 5

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G208	WT	G															X						N/A
2	G217S	WT	G															X						N/A
3	G218	WT	G															X						N/A
4	G220	WT	G															X						N/A
5	G221	WT	G															X						N/A
6	G222	WT	G															X						N/A
7	G223	WT	G															X						N/A
8	G224	WT	G															X						N/A
9	G225	WT	G															X						N/A
10	G230	WT	G															X						N/A
11	G231	WT	G															X						N/A
12	G232	WT	G															X						N/A
13	G233	WT	G															X						N/A
14	G234	WT	G															X						N/A
15	L1R Filter in lab	WT	G	4-8-24	1354														X					N/A
16	L201	WT	G																X					N/A

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q2 Rev 0	J. Colp	4-8	1725		4/8	1725				
Ra226/228 only.										

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 4-8-24				

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 5

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St, Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911
Fax:	
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	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	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L202	WT	G																X					N/A
2	L203	WT	G																X					N/A
3	L204	WT	G																X					N/A
4	L205	WT	G																X					N/A
5	L301 inoperable	WT	G	4-8-24	N/A													X						N/A
6	LREP	WT	G															X						N/A
7	R217D	WT	G	4-8-24	1153													X						N/A
8	R219	WT	G	~~4-8-24~~ X														X						N/A
9	S101 Filter in lab	WT	G	4-8-24	1215														X					N/A
10	S102 Filter in lab	WT	G	4-8-24	1227														X					N/A
11	SG02	WT	G																	X				N/A
12	T101	WT	G																X					N/A
13	T102	WT	G																X					N/A
14	XPW01	WT	G																	X				N/A
15	XPW02	WT	G																	X				N/A
16	XPW03	WT	G																	X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	J. Cop	4-8	1725	Paul [illegible]	4/8	1725	Y N
Ra226/228 only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cop

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 4-8-24

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

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 5

Section A Required Client Information:
Company: Vistra Corp-Newton
Address: 6725 N 500th St, Newton, IL 62448
Email To: Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911 Fax:
Requested Due Date/TAT: 10 day

Section B Required Project Information:
Report To: Brian Voelker
Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com
Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: 2285

Section C Invoice Information:
Attention: Terry Hanratty
Company Name: Vistra Corp
Address: see Section A
Quote Reference:
Project Manager:
Profile #:

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

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	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	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04	WT	G																	X				N/A
2	XSG01	WT	G														X			X				N/A
3	Field Blank	WT	G				2			2							X	X	X	X	X	X		24031342-019
4	A213 Duplicate	WT	G															X						N/A
5	APW02 Duplicate	WT	G				2			2							X			X	X			24031342-020
6	G104 Duplicate	WT	G	4-8-24	1306														X					N/A
7	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X		24031342-021
8	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X		24031342-022
9	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X		24031342-023
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	J. Colp	4-8	1725	Paul [illegible]	4-8	1725	Y N
Ra226/228 only.							

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Justin Colp
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 4-8-24

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

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #	

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

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G	4-9-24	1128													X						N/A
2	A214	WT	G	4-9-24	1044													X						N/A
3	A215	WT	G	4-9-24	0952													X						N/A
* 4	APW02	WT	G	4/9/24	1156		2			2							X			X	X				24031342-001
5	APW03	WT	G	4/9/24	1055		2			2							X			X	X				24031342-002
* 6	APW04	WT	G	4/9/24	954		2			2							X			X	X				24031342-003
7	APW05	WT	G				2			2							X				X	X			24031342-004
8	APW05S	WT	G				2			2							X			X					24031342-005
9	APW06	WT	G	4-9-24	1244		2			2							X			X					24031342-006
10	APW07	WT	G	4-9-24	1220		2			2							X				X	X			24031342-007
11	APW08	WT	G				2			2							X				X	X			24031342-008
* 12	APW09	WT	G	4-9-24	1312		2			2							X				X	X			24031342-009
13	APW10	WT	G				2			2							X				X				24031342-010
14	APW11	WT	G				2			2							X				X				24031342-011
15	APW12	WT	G				2			2							X				X				24031342-012
16	APW13	WT	G				2			2							X				X				24031342-013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q2 Rev 0	Daniel Crump	4-9	6:18	Paul Doherty	4/9/24	1818	0.2	Y	N	
Ra226/228 only.										

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER:	Justin Colp	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 4-9-24

96651

* Added HNO_3 (96869

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #	

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

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14	WT	G				2			2						X			X					24031342-014
2	APW15	WT	G				2			2						X			X					24031342-015
3	APW16	WT	G				2			2						X			X					24031342-016
4	APW17	WT	G				2			2						X			X					24031342-017
5	APW18	WT	G				2			2						X			X					24031342-018
6	G104	WT	G															X						N/A
7	G105	WT	G															X						N/A
8	G106	WT	G															X						N/A
9	G116	WT	G															X		X				N/A
10	G125	WT	G															X						N/A
11	G128	WT	G															X						N/A
12	G130	WT	G	4/9/24	1400													X						N/A
13	G133	WT	G	4/9/24	1518													X						N/A
14	G136	WT	G															X						N/A
15	G139	WT	G	4/9/24	1321													X						N/A
16	G141	WT	G	4-9-24	1439													X						N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q2 Rev 0	Daniel Crump	4-9	6:18	Paul Schultz	4/9/24	1818	0.4	(Y)	Y	
Ra226/228 only.										

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 4-9-24				

2403342

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 5

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #	

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

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G208		WT	G															X							N/A
2	G217S		WT	G	4-9-24	1341													X							N/A
3	G218		WT	G															X							N/A
4	G220		WT	G															X							N/A
5	G221		WT	G															X							N/A
6	G222		WT	G															X							N/A
7	G223		WT	G															X							N/A
8	G224		WT	G															X							N/A
9	G225		WT	G															X							N/A
10	G230		WT	G															X							N/A
11	G231		WT	G															X							N/A
12	G232		WT	G															X							N/A
13	G233		WT	G															X							N/A
14	G234		WT	G															X							N/A
15	L1R		WT	G																X						N/A
16	L201		WT	G																X						N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	Daniel Crisp	4-9	618	Paul Gilbert	4/9/24	1818	0.2 (Y) N
Ra226/228 only.							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 4-9-24				

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L202	WT	G																X					N/A
2	L203	WT	G																X					N/A
3	L204	WT	G																X					N/A
4	L205	WT	G																X					N/A
5	L301	WT	G															X						N/A
6	LREP	WT	G															X						N/A
7	R217D	WT	G															X						N/A
8	R219	WT	G	4-9-24	1407													X						N/A
9	S101	WT	G																X					N/A
10	S102	WT	G																X					N/A
11	SG02	WT	G																	X				N/A
12	T101	WT	G																X					N/A
13	T102	WT	G																X					N/A
14	XPW01	WT	G																	X				N/A
15	XPW02	WT	G																	X				N/A
16	XPW03	WT	G																	X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q2 Rev 0	Daniel Crump	4-9	6:18		4/9/24	1818	0.4	Y	N	
Ra226/228 only.							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4-9-24

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04	WT	G																	X				N/A
2	XSG01	WT	G														X			X				N/A
3	Field Blank	WT	G				2			2							X	X	X	X	X	X		24031342-019
4	A213 Duplicate	WT	G	4-9-24	1128													X						N/A
5	APW02 Duplicate	WT	G	4/9/24	1156		2			2							X			X	X			24031342-020
6	G104 Duplicate	WT	G																X					N/A
7	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X		24031342-021
8	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X		24031342-022
9	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X		24031342-023
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q2 Rev 0	Daniel Crump	4-9	6:18		4/9/24	1818	02 ✓ N
Ra226/228 only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 4-9-24

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

PM 96651 LH 4/10/24

* added HNO3(96869)

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Information

Valid Matrix Codes

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14	WT	G				2			2							X			X				24031342-014
2	APW15	WT	G				2			2							X			X				24031342-015
3	APW16	WT	G				2			2							X			X				24031342-016
4	APW17	WT	G				2			2							X			X				24031342-017
5	APW18	WT	G				2			2							X			X				24031342-018
6	G104	WT	G																X					N/A
7	G105	WT	G																X					N/A
8	G106	WT	G																X					N/A
9	G116	WT	G	4-10-24	1051														X		X			N/A
10	G125	WT	G																X					N/A
11	G128	WT	G	4-10-24	0956														X					N/A
12	G130	WT	G																X					N/A
13	G133	WT	G																X					N/A
14	G136	WT	G	4-10-24	1048														X					N/A
15	G139	WT	G																X					N/A
16	G141	WT	G																X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q2 Rev 0	Daniel Crump	4-10	3:16		4/10/24	1516		>	>	
Ra226/228 only.							16.5			

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Culp					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 4-10-24				

UG7

LH 4/10/24 PH 9/6/24

24031342

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 5

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04		WT	G																	X					N/A
2	XSG01		WT	G														X			X					N/A
3	Field Blank		WT	G	4-10-24	1045		2			2							X	X	X	X	X	X			24031342-019
4	A213 Duplicate		WT	G															X							N/A
5	APW02 Duplicate		WT	G				2			2							X			X	X				24031342-020
6	G104 Duplicate		WT	G																X						N/A
7	Equipment Blank 1		WT	G	4-10-24	316		2			2							X	X	X	X	X	X			24031342-021
8	Equipment Blank 2		WT	G				2			2							X	X	X	X	X	X			24031342-022
9	Equipment Blank 3		WT	G				2			2							X	X	X	X	X	X			24031342-023
10																										
11																										
12																										
13																										
14																										
15																										
16																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q2 Rev 0	Daniel Crump	4-10	3:16	Tamara Johnson	4/10	1516				
Ra226/228 only.										

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 4-10-24				

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 6/11/2024 1:40:38 PM

JOB DESCRIPTION

Radium-226 and Radium-228
24031342

JOB NUMBER

160-53771-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

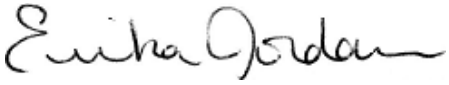
Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



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Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

Table of Contents

CASE NARRATIVE

Client: TekLab, Inc

Project: <insert Project #>

Report Number: 160-53771-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Receipt
The samples were received on 4/12/2024 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 19.4°C and 19.9°C.

Additional volume was received on 5/14/2024 for sample 24031342-003A due to a method failure that required re-analysis for Radium-226. The additional volume was labeled as 24031341-006C but is from sample 24031342-003A.

Method 903.0 - Radium-226 (GFPC)
Samples 24031342-001 (160-53771-1), 24031342-002 (160-53771-2), 24031342-003 (160-53771-3), 24031342-004 (160-53771-4), 24031342-005 (160-53771-5), 24031342-006 (160-53771-6), 24031342-007 (160-53771-7), 24031342-008 (160-53771-8), 24031342-009 (160-53771-9), 24031342-010 (160-53771-10), 24031342-011 (160-53771-11), 24031342-012 (160-53771-12), 24031342-013 (160-53771-13), 24031342-014 (160-53771-14), 24031342-015 (160-53771-15), 24031342-016 (160-53771-16), 24031342-017 (160-53771-17), 24031342-018 (160-53771-18), 24031342-019 (160-53771-19), 24031342-020 (160-53771-20) and 24031342-021 (160-53771-21) were analyzed for Radium-226 (GFPC). The samples were prepared on 4/15/2024, 5/13/2024 and 5/14/2024 and analyzed on 5/8/2024, 6/7/2024 and 6/10/2024.

The following samples were prepared at a reduced aliquot due to Matrix: 24031342-004 (160-53771-4), 24031342-006

(160-53771-6), 24031342-008 (160-53771-8), 24031342-009 (160-53771-9), 24031342-010 (160-53771-10) and 24031342-015 (160-53771-15). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Insufficient sample volume was available to perform a sample duplicate for the following samples: 24031342-001 (160-53771-1), 24031342-002 (160-53771-2), 24031342-005 (160-53771-5), 24031342-007 (160-53771-7), 24031342-011 (160-53771-11), 24031342-012 (160-53771-12), 24031342-013 (160-53771-13), 24031342-014 (160-53771-14), 24031342-016 (160-53771-16), 24031342-017 (160-53771-17), 24031342-018 (160-53771-18), 24031342-019 (160-53771-19) and 24031342-020 (160-53771-20). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method 904.0 - Radium-228 (GFPC)
Samples 24031342-001 (160-53771-1), 24031342-002 (160-53771-2), 24031342-003 (160-53771-3), 24031342-004 (160-53771-4), 24031342-005 (160-53771-5), 24031342-006 (160-53771-6), 24031342-007 (160-53771-7), 24031342-008 (160-53771-8), 24031342-009 (160-53771-9), 24031342-010 (160-53771-10), 24031342-011 (160-53771-11), 24031342-012 (160-53771-12), 24031342-013 (160-53771-13), 24031342-014 (160-53771-14), 24031342-015 (160-53771-15), 24031342-016 (160-53771-16), 24031342-017 (160-53771-17), 24031342-018 (160-53771-18), 24031342-019 (160-53771-19), 24031342-020 (160-53771-20) and 24031342-021 (160-53771-21) were analyzed for Radium-228 (GFPC). The samples were prepared on 4/15/2024 and analyzed on 5/3/2024 and 5/6/2024.

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24031342-004 (160-53771-4), 24031342-010 (160-53771-10), 24031342-011 (160-53771-11) and 24031342-015 (160-53771-15). Analytical results are reported with the detection limit achieved.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24031342-001 (160-53771-1), 24031342-002 (160-53771-2), 24031342-003 (160-53771-3), 24031342-004 (160-53771-4), 24031342-005 (160-53771-5), 24031342-006 (160-53771-6), 24031342-007 (160-53771-7), 24031342-008 (160-53771-8), 24031342-009 (160-53771-9), 24031342-010 (160-53771-10), 24031342-011 (160-53771-11), 24031342-012 (160-53771-12), 24031342-013 (160-53771-13), 24031342-014 (160-53771-14), 24031342-015 (160-53771-15), 24031342-016 (160-53771-16), 24031342-017 (160-53771-17), 24031342-018 (160-53771-18), 24031342-019 (160-53771-19), 24031342-020 (160-53771-20) and 24031342-021 (160-53771-21) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 6/11/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampler | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 24031342

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35996 | Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
	24031342-001	4/9/24 1156	HNO3	Groundwater	✔
	24031342-002	4/9/24 1055	HNO3	Groundwater	✔
	24031342-003	4/9/24 0954	HNO3	Groundwater	✔
	24031342-004	4/4/24 1441	HNO3	Groundwater	✔
	24031342-005	4/2/24 1352	HNO3	Groundwater	✔
	24031342-006	4/9/24 1244	HNO3	Groundwater	✔
	24031342-007	4/9/24 1220	HNO3	Groundwater	✔
	24031342-008	4/8/24 1407	HNO3	Groundwater	✔
	24031342-009	4/9/24 1312	HNO3	Groundwater	✔
	24031342-010	4/8/24 1222	HNO3	Groundwater	✔
	24031342-011	4/4/24 1400	HNO3	Groundwater	✔

160-53771 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
	4/12/24 1130		4/12/24 1205
	4/12/24 1200	Sina Waylon	4/12/24 1200

TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampler | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 24031342

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35996
Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

ERH 4/11/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
	24031342-012	4/4/24 ~~1259~~ 1254	HNO3	Groundwater	✔
	24031342-013	4/8/24 1329	HNO3	Groundwater	✔
	24031342-014	4/4/24 1427	HNO3	Groundwater	✔
	24031342-015	4/4/24 1048	HNO3	Groundwater	✔
	24031342-016	4/4/24 1143	HNO3	Groundwater	✔
	24031342-017	4/4/24 1238	HNO3	Groundwater	✔
	24031342-018	4/4/24 1335	HNO3	Groundwater	✔
	24031342-019	4/10/24 1045	HNO3	Aqueous	✔
	24031342-020	4/9/24 1156	HNO3	Groundwater	✔
	24031342-021	4/10/24 1516	HNO3	Aqueous	✔
			HNO3	Aqueous	✔

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	4/11/24 1305	[signature]	4/12/24 1130
			4/12/24 1200

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

EOR

TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampler QC Level: 2

Project# 24031342

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
Changes to methods must be approved by Teklab, Inc. Analyze from volume 24031341-006.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 35996
Phone: 618 344-1004 ext. 33

Additional volume for 160-53771 per Erika Jordan. 5/13/24

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
	24031342-003	4/9/24 0954	HNO3	Groundwater	✔
			HNO3	Groundwater	
			HNO3	Groundwater	
			HNO3	Groundwater	
			HNO3	Groundwater	
			HNO3	Groundwater	
			HNO3	Groundwater	
			HNO3	Groundwater	
			HNO3	Groundwater	
			HNO3	Groundwater	
			HNO3	Groundwater	

160-53771 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
Elizabeth A Hurley	5/14/24 0845	M. P Motte	5/14/24 0845
	5/14/24 1055		5/14/24 1055

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4 1 5 c)

SubCocRevA 3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-53771-1
SDG Number: 24031342

Login Number: 53771
List Number: 1
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	Sample 16 preserved upon arrival
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	Additonal volume was sent for sample 3 on 5/14/24
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-53771-1	24031342-001	Water	04/09/24 11:56	04/12/24 12:00
160-53771-2	24031342-002	Water	04/09/24 10:55	04/12/24 12:00
160-53771-3	24031342-003	Water	04/09/24 09:54	04/12/24 12:00
160-53771-4	24031342-004	Water	04/04/24 14:41	04/12/24 12:00
160-53771-5	24031342-005	Water	04/02/24 13:52	04/12/24 12:00
160-53771-6	24031342-006	Water	04/09/24 12:44	04/12/24 12:00
160-53771-7	24031342-007	Water	04/09/24 12:20	04/12/24 12:00
160-53771-8	24031342-008	Water	04/08/24 14:07	04/12/24 12:00
160-53771-9	24031342-009	Water	04/09/24 13:12	04/12/24 12:00
160-53771-10	24031342-010	Water	04/08/24 12:22	04/12/24 12:00
160-53771-11	24031342-011	Water	04/04/24 14:00	04/12/24 12:00
160-53771-12	24031342-012	Water	04/04/24 12:54	04/12/24 12:00
160-53771-13	24031342-013	Water	04/08/24 13:29	04/12/24 12:00
160-53771-14	24031342-014	Water	04/04/24 14:27	04/12/24 12:00
160-53771-15	24031342-015	Water	04/04/24 10:48	04/12/24 12:00
160-53771-16	24031342-016	Water	04/04/24 11:43	04/12/24 12:00
160-53771-17	24031342-017	Water	04/04/24 12:38	04/12/24 12:00
160-53771-18	24031342-018	Water	04/04/24 13:35	04/12/24 12:00
160-53771-19	24031342-019	Water	04/10/24 10:45	04/12/24 12:00
160-53771-20	24031342-020	Water	04/09/24 11:56	04/12/24 12:00
160-53771-21	24031342-021	Water	04/10/24 15:16	04/12/24 12:00

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Client Sample ID: 24031342-001
Date Collected: 04/09/24 11:56
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0382	U	0.0497	0.0498	1.00	0.0826	pCi/L	05/13/24 10:33	06/10/24 12:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*05/13/24 10:33*	*06/10/24 12:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0783	U	0.245	0.245	1.00	0.441	pCi/L	04/15/24 08:45	05/06/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.7*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:11*	*1*
Y Carrier	*84.5*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.117	U	0.250	0.250	5.00	0.441	pCi/L		06/11/24 09:32	1

Client Sample ID: 24031342-002
Date Collected: 04/09/24 10:55
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0328	U	0.0487	0.0488	1.00	0.0836	pCi/L	05/13/24 10:33	06/10/24 12:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*05/13/24 10:33*	*06/10/24 12:23*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.391	U	0.297	0.299	1.00	0.451	pCi/L	04/15/24 08:45	05/06/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.1*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:11*	*1*
Y Carrier	*85.2*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.424	U	0.301	0.303	5.00	0.451	pCi/L		06/11/24 09:32	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Client Sample ID: 24031342-003

Date Collected: 04/09/24 09:54
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-3

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0634	U	0.161	0.161	1.00	0.292	pCi/L	05/14/24 12:50	06/07/24 06:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*05/14/24 12:50*	*06/07/24 06:54*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.01**		0.373	0.384	1.00	0.451	pCi/L	04/15/24 08:45	05/06/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:11*	*1*
Y Carrier	*82.6*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.07**		0.406	0.416	5.00	0.451	pCi/L		06/11/24 09:32	1

Client Sample ID: 24031342-004

Date Collected: 04/04/24 14:41
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-4

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.258**		0.106	0.108	1.00	0.104	pCi/L	05/13/24 10:33	06/10/24 14:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*05/13/24 10:33*	*06/10/24 14:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.180	U G	0.608	0.608	1.00	1.09	pCi/L	04/15/24 08:45	05/06/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.1*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:12*	*1*
Y Carrier	*84.1*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.438	U	0.617	0.618	5.00	1.09	pCi/L		06/11/24 09:32	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Client Sample ID: 24031342-005

Date Collected: 04/02/24 13:52
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-5

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00792	U	0.0589	0.0589	1.00	0.120	pCi/L	05/13/24 10:33	06/10/24 14:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*05/13/24 10:33*	*06/10/24 14:20*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.346	U	0.304	0.306	1.00	0.478	pCi/L	04/15/24 08:45	05/06/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.7*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:12*	*1*
Y Carrier	*86.0*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.346	U	0.310	0.312	5.00	0.478	pCi/L		06/11/24 09:32	1

Client Sample ID: 24031342-006

Date Collected: 04/09/24 12:44
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-6

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.335**		0.134	0.137	1.00	0.145	pCi/L	05/13/24 10:33	06/10/24 14:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.4*		*30 - 110*	*05/13/24 10:33*	*06/10/24 14:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0117	U	0.287	0.287	1.00	0.546	pCi/L	04/15/24 08:45	05/06/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:12*	*1*
Y Carrier	*83.7*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.335	U	0.317	0.318	5.00	0.546	pCi/L		06/11/24 09:32	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Client Sample ID: 24031342-007

Date Collected: 04/09/24 12:20
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-7

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.634**		0.134	0.145	1.00	0.0770	pCi/L	05/13/24 10:33	06/10/24 14:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*05/13/24 10:33*	*06/10/24 14:05*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.438	U	0.307	0.309	1.00	0.457	pCi/L	04/15/24 08:45	05/06/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.7*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:14*	*1*
Y Carrier	*82.2*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.07**		0.335	0.341	5.00	0.457	pCi/L		06/11/24 09:32	1

Client Sample ID: 24031342-008

Date Collected: 04/08/24 14:07
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-8

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.424**		0.135	0.140	1.00	0.116	pCi/L	05/13/24 10:33	06/10/24 14:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*05/13/24 10:33*	*06/10/24 14:05*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.481	U	0.326	0.329	1.00	0.487	pCi/L	04/15/24 08:45	05/06/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:14*	*1*
Y Carrier	*83.7*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.905**		0.353	0.358	5.00	0.487	pCi/L		06/11/24 09:32	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Client Sample ID: 24031342-009
Date Collected: 04/09/24 13:12
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-9
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.02**		0.203	0.222	1.00	0.128	pCi/L	05/13/24 10:33	06/10/24 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*05/13/24 10:33*	*06/10/24 14:07*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.583	U	0.395	0.399	1.00	0.585	pCi/L	04/15/24 08:45	05/06/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.7*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:14*	*1*
Y Carrier	*84.9*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.60**		0.444	0.457	5.00	0.585	pCi/L		06/11/24 09:32	1

Client Sample ID: 24031342-010
Date Collected: 04/08/24 12:22
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-10
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.284**		0.110	0.112	1.00	0.102	pCi/L	05/13/24 10:33	06/10/24 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*05/13/24 10:33*	*06/10/24 14:07*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.176	U G	0.516	0.517	1.00	1.03	pCi/L	04/15/24 08:45	05/06/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:14*	*1*
Y Carrier	*84.5*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.284	U	0.528	0.529	5.00	1.03	pCi/L		06/11/24 12:54	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Client Sample ID: 24031342-011

Date Collected: 04/04/24 14:00
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-11

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.400**		0.134	0.139	1.00	0.101	pCi/L	05/13/24 10:33	06/10/24 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.4*		*30 - 110*	*05/13/24 10:33*	*06/10/24 14:07*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.719	U G	0.713	0.716	1.00	1.15	pCi/L	04/15/24 08:45	05/06/24 12:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.5*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:21*	*1*
Y Carrier	*86.4*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:21*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.12	U	0.725	0.729	5.00	1.15	pCi/L		06/11/24 12:54	1

Client Sample ID: 24031342-012

Date Collected: 04/04/24 12:54
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-12

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.0883**		0.0599	0.0604	1.00	0.0761	pCi/L	05/13/24 10:33	06/10/24 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.1*		*30 - 110*	*05/13/24 10:33*	*06/10/24 14:07*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.37**		0.491	0.507	1.00	0.602	pCi/L	04/15/24 08:45	05/06/24 12:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.9*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:21*	*1*
Y Carrier	*85.2*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:21*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.46**		0.495	0.511	5.00	0.602	pCi/L		06/11/24 12:54	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Client Sample ID: 24031342-013
Date Collected: 04/08/24 13:29
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-13
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0727	U	0.0718	0.0721	1.00	0.113	pCi/L	05/13/24 10:33	06/10/24 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*05/13/24 10:33*	*06/10/24 14:07*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.234	U	0.366	0.366	1.00	0.620	pCi/L	04/15/24 08:45	05/06/24 12:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.7*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:21*	*1*
Y Carrier	*84.9*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:21*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.307	U	0.373	0.373	5.00	0.620	pCi/L		06/11/24 12:54	1

Client Sample ID: 24031342-014
Date Collected: 04/04/24 14:27
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-14
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.179**		0.0825	0.0841	1.00	0.0897	pCi/L	05/13/24 10:33	06/10/24 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*05/13/24 10:33*	*06/10/24 14:07*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.0903**		0.0460	0.0467	1.00	0.0639	pCi/L	04/15/24 08:45	05/06/24 12:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.4*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:21*	*1*
Y Carrier	*83.7*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:21*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.269**		0.09446	0.09620	5.00	0.0897	pCi/L		06/11/24 12:54	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Client Sample ID: 24031342-015

Date Collected: 04/04/24 10:48
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-15

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.931		0.256	0.269	1.00	0.216	pCi/L	05/13/24 10:33	06/10/24 14:24	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	77.6		30 - 110	05/13/24 10:33	06/10/24 14:24	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.87	G	1.02	1.03	1.00	1.43	pCi/L	04/15/24 08:45	05/06/24 12:21	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	62.9		30 - 110	04/15/24 08:45	05/06/24 12:21	1
Y Carrier	86.4		30 - 110	04/15/24 08:45	05/06/24 12:21	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.80		1.05	1.06	5.00	1.43	pCi/L		06/11/24 12:54	1

Client Sample ID: 24031342-016

Date Collected: 04/04/24 11:43
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-16

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.917		0.170	0.189	1.00	0.101	pCi/L	05/13/24 10:33	06/10/24 14:24	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	79.9		30 - 110	05/13/24 10:33	06/10/24 14:24	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.78		0.590	0.612	1.00	0.702	pCi/L	04/15/24 08:45	05/06/24 12:21	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110	04/15/24 08:45	05/06/24 12:21	1
Y Carrier	84.9		30 - 110	04/15/24 08:45	05/06/24 12:21	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.70		0.614	0.641	5.00	0.702	pCi/L		06/11/24 12:54	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Client Sample ID: 24031342-017

Date Collected: 04/04/24 12:38
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-17

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.973		0.173	0.194	1.00	0.108	pCi/L	05/13/24 10:33	06/10/24 14:24	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110	05/13/24 10:33	06/10/24 14:24	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.85		0.628	0.651	1.00	0.772	pCi/L	04/15/24 08:45	05/06/24 12:21	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110	04/15/24 08:45	05/06/24 12:21	1
Y Carrier	86.0		30 - 110	04/15/24 08:45	05/06/24 12:21	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.82		0.651	0.679	5.00	0.772	pCi/L		06/11/24 12:54	1

Client Sample ID: 24031342-018

Date Collected: 04/04/24 13:35
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-18

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.657		0.148	0.159	1.00	0.105	pCi/L	05/13/24 10:33	06/10/24 14:24	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	79.9		30 - 110	05/13/24 10:33	06/10/24 14:24	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.980		0.500	0.508	1.00	0.679	pCi/L	04/15/24 08:45	05/06/24 12:21	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110	04/15/24 08:45	05/06/24 12:21	1
Y Carrier	86.4		30 - 110	04/15/24 08:45	05/06/24 12:21	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.64		0.521	0.532	5.00	0.679	pCi/L		06/11/24 12:54	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Client Sample ID: 24031342-019
Date Collected: 04/10/24 10:45
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-19
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0276	U	0.0565	0.0565	1.00	0.128	pCi/L	05/13/24 10:33	06/10/24 14:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.1*		*30 - 110*	*05/13/24 10:33*	*06/10/24 14:24*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.609**		0.355	0.359	1.00	0.512	pCi/L	04/15/24 08:45	05/06/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:22*	*1*
Y Carrier	*87.9*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.609**		0.359	0.363	5.00	0.512	pCi/L		06/11/24 12:54	1

Client Sample ID: 24031342-020
Date Collected: 04/09/24 11:56
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-20
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.0964**		0.0625	0.0631	1.00	0.0808	pCi/L	05/13/24 10:33	06/10/24 14:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*05/13/24 10:33*	*06/10/24 14:24*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.515	U	0.397	0.400	1.00	0.615	pCi/L	04/15/24 08:45	05/06/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.0*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:22*	*1*
Y Carrier	*89.3*		*30 - 110*	*04/15/24 08:45*	*05/06/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.611	U	0.402	0.405	5.00	0.615	pCi/L		06/11/24 12:54	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Client Sample ID: 24031342-021
Date Collected: 04/10/24 15:16
Date Received: 04/12/24 12:00

Lab Sample ID: 160-53771-21
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00836	U	0.0396	0.0396	1.00	0.0957	pCi/L	04/15/24 08:58	05/08/24 10:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*30 - 110*	*04/15/24 08:58*	*05/08/24 10:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.552**		0.336	0.340	1.00	0.486	pCi/L	04/15/24 09:07	05/03/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*30 - 110*	*04/15/24 09:07*	*05/03/24 12:11*	*1*
Y Carrier	*84.1*		*30 - 110*	*04/15/24 09:07*	*05/03/24 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.552**		0.338	0.342	5.00	0.486	pCi/L		06/11/24 12:54	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-656973/1-A
Matrix: Water
Analysis Batch: 660741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 656973

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.06301	U	0.0690	0.0693	1.00	0.109	pCi/L	04/15/24 08:58	05/08/24 09:59	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*30 - 110*	*04/15/24 08:58*	*05/08/24 09:59*	*1*

Lab Sample ID: LCS 160-656973/2-A
Matrix: Water
Analysis Batch: 660741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 656973

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.795		1.05	1.00	0.106	pCi/L	86	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*99.0*		*30 - 110*

Lab Sample ID: MB 160-661412/1-A
Matrix: Water
Analysis Batch: 665590

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661412

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.003904	U	0.0528	0.0528	1.00	0.105	pCi/L	05/13/24 10:33	06/10/24 12:25	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*05/13/24 10:33*	*06/10/24 12:25*	*1*

Lab Sample ID: LCS 160-661412/2-A
Matrix: Water
Analysis Batch: 665590

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661412

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.99		1.23	1.00	0.114	pCi/L	106	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*81.8*		*30 - 110*

Lab Sample ID: LCSD 160-661412/3-A
Matrix: Water
Analysis Batch: 665614

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661412

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			11.3	11.49		1.19	1.00	0.121	pCi/L	101	75 - 125	0.21	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCSD 160-661412/3-A
Matrix: Water
Analysis Batch: 665614

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661412

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	79.4		30 - 110

Lab Sample ID: MB 160-661614/1-A
Matrix: Water
Analysis Batch: 665106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661614

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.004779	U	0.0351	0.0351	1.00	0.0715	pCi/L	05/14/24 12:50	06/07/24 06:54	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	69.7		30 - 110	05/14/24 12:50	06/07/24 06:54	1

Lab Sample ID: LCS 160-661614/2-A
Matrix: Water
Analysis Batch: 665106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661614

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.78		1.05	1.00	0.0551	pCi/L	95	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	69.4		30 - 110

Lab Sample ID: 160-53771-3 DU
Matrix: Water
Analysis Batch: 665106

Client Sample ID: 24031342-003
Prep Type: Total/NA
Prep Batch: 661614

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0634	U		0.1748	U	0.196	1.00	0.319	pCi/L			0.31	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	85.8		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-656969/1-A
Matrix: Water
Analysis Batch: 660323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 656969

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.06894	U	0.229	0.229	1.00	0.415	pCi/L	04/15/24 08:45	05/06/24 12:11	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.2		30 - 110	04/15/24 08:45	05/06/24 12:11	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-656969/1-A
Matrix: Water
Analysis Batch: 660323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 656969

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	87.1		30 - 110	04/15/24 08:45	05/06/24 12:11	1

Lab Sample ID: LCS 160-656969/2-A
Matrix: Water
Analysis Batch: 660323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 656969

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.97	9.917		1.29	1.00	0.444	pCi/L	111	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	98.5		30 - 110
Y Carrier	86.4		30 - 110

Lab Sample ID: 160-53771-3 DU
Matrix: Water
Analysis Batch: 660323

Client Sample ID: 24031342-003
Prep Type: Total/NA
Prep Batch: 656969

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	1.01			1.547		0.463	1.00	0.460	pCi/L			0.64	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	91.4		30 - 110
Y Carrier	81.9		30 - 110

Lab Sample ID: MB 160-656974/1-A
Matrix: Water
Analysis Batch: 659960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 656974

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2254	U	0.344	0.345	1.00	0.584	pCi/L	04/15/24 09:07	05/03/24 12:10	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110	04/15/24 09:07	05/03/24 12:10	1
Y Carrier	86.0		30 - 110	04/15/24 09:07	05/03/24 12:10	1

Lab Sample ID: LCS 160-656974/2-A
Matrix: Water
Analysis Batch: 659960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 656974

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.98	9.376		1.28	1.00	0.471	pCi/L	104	75 - 125		

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-656974/2-A
Matrix: Water
Analysis Batch: 659960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 656974

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	99.0		30 - 110
Y Carrier	81.1		30 - 110

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-53771-1
SDG: 24031342

Rad

Prep Batch: 656969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53771-1	24031342-001	Total/NA	Water	PrecSep_0	
160-53771-2	24031342-002	Total/NA	Water	PrecSep_0	
160-53771-3	24031342-003	Total/NA	Water	PrecSep_0	
160-53771-4	24031342-004	Total/NA	Water	PrecSep_0	
160-53771-5	24031342-005	Total/NA	Water	PrecSep_0	
160-53771-6	24031342-006	Total/NA	Water	PrecSep_0	
160-53771-7	24031342-007	Total/NA	Water	PrecSep_0	
160-53771-8	24031342-008	Total/NA	Water	PrecSep_0	
160-53771-9	24031342-009	Total/NA	Water	PrecSep_0	
160-53771-10	24031342-010	Total/NA	Water	PrecSep_0	
160-53771-11	24031342-011	Total/NA	Water	PrecSep_0	
160-53771-12	24031342-012	Total/NA	Water	PrecSep_0	
160-53771-13	24031342-013	Total/NA	Water	PrecSep_0	
160-53771-14	24031342-014	Total/NA	Water	PrecSep_0	
160-53771-15	24031342-015	Total/NA	Water	PrecSep_0	
160-53771-16	24031342-016	Total/NA	Water	PrecSep_0	
160-53771-17	24031342-017	Total/NA	Water	PrecSep_0	
160-53771-18	24031342-018	Total/NA	Water	PrecSep_0	
160-53771-19	24031342-019	Total/NA	Water	PrecSep_0	
160-53771-20	24031342-020	Total/NA	Water	PrecSep_0	
MB 160-656969/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-656969/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53771-3 DU	24031342-003	Total/NA	Water	PrecSep_0	

Prep Batch: 656973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53771-21	24031342-021	Total/NA	Water	PrecSep-21	
MB 160-656973/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-656973/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 656974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53771-21	24031342-021	Total/NA	Water	PrecSep_0	
MB 160-656974/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-656974/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 661412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53771-1	24031342-001	Total/NA	Water	PrecSep-21	
160-53771-2	24031342-002	Total/NA	Water	PrecSep-21	
160-53771-4	24031342-004	Total/NA	Water	PrecSep-21	
160-53771-5	24031342-005	Total/NA	Water	PrecSep-21	
160-53771-6	24031342-006	Total/NA	Water	PrecSep-21	
160-53771-7	24031342-007	Total/NA	Water	PrecSep-21	
160-53771-8	24031342-008	Total/NA	Water	PrecSep-21	
160-53771-9	24031342-009	Total/NA	Water	PrecSep-21	
160-53771-10	24031342-010	Total/NA	Water	PrecSep-21	
160-53771-11	24031342-011	Total/NA	Water	PrecSep-21	
160-53771-12	24031342-012	Total/NA	Water	PrecSep-21	
160-53771-13	24031342-013	Total/NA	Water	PrecSep-21	
160-53771-14	24031342-014	Total/NA	Water	PrecSep-21	

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Rad (Continued)

Prep Batch: 661412 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53771-15	24031342-015	Total/NA	Water	PrecSep-21	
160-53771-16	24031342-016	Total/NA	Water	PrecSep-21	
160-53771-17	24031342-017	Total/NA	Water	PrecSep-21	
160-53771-18	24031342-018	Total/NA	Water	PrecSep-21	
160-53771-19	24031342-019	Total/NA	Water	PrecSep-21	
160-53771-20	24031342-020	Total/NA	Water	PrecSep-21	
MB 160-661412/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661412/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-661412/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 661614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53771-3	24031342-003	Total/NA	Water	PrecSep-21	
MB 160-661614/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661614/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53771-3 DU	24031342-003	Total/NA	Water	PrecSep-21	

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (30-110)						
160-53771-1	24031342-001	87.1						
160-53771-2	24031342-002	84.1						
160-53771-3	24031342-003	85.3						
160-53771-3 DU	24031342-003	85.8						
160-53771-4	24031342-004	89.1						
160-53771-5	24031342-005	89.1						
160-53771-6	24031342-006	77.4						
160-53771-7	24031342-007	85.6						
160-53771-8	24031342-008	84.1						
160-53771-9	24031342-009	82.3						
160-53771-10	24031342-010	87.1						
160-53771-11	24031342-011	76.4						
160-53771-12	24031342-012	82.1						
160-53771-13	24031342-013	85.8						
160-53771-14	24031342-014	83.6						
160-53771-15	24031342-015	77.6						
160-53771-16	24031342-016	79.9						
160-53771-17	24031342-017	86.3						
160-53771-18	24031342-018	79.9						
160-53771-19	24031342-019	75.1						
160-53771-20	24031342-020	90.3						
160-53771-21	24031342-021	100						
LCS 160-656973/2-A	Lab Control Sample	99.0						
LCS 160-661412/2-A	Lab Control Sample	81.8						
LCS 160-661614/2-A	Lab Control Sample	69.4						
LCSD 160-661412/3-A	Lab Control Sample Dup	79.4						
MB 160-656973/1-A	Method Blank	92.1						
MB 160-661412/1-A	Method Blank	85.1						
MB 160-661614/1-A	Method Blank	69.7						

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)					
160-53771-1	24031342-001	98.7	84.5					
160-53771-2	24031342-002	93.1	85.2					
160-53771-3	24031342-003	95.4	82.6					
160-53771-3 DU	24031342-003	91.4	81.9					
160-53771-4	24031342-004	90.1	84.1					
160-53771-5	24031342-005	94.7	86.0					
160-53771-6	24031342-006	83.8	83.7					
160-53771-7	24031342-007	95.7	82.2					
160-53771-8	24031342-008	93.7	83.7					
160-53771-9	24031342-009	98.7	84.9					
160-53771-10	24031342-010	88.6	84.5					

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-53771-1
SDG: 24031342

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-53771-11	24031342-011	83.5	86.4
160-53771-12	24031342-012	75.9	85.2
160-53771-13	24031342-013	81.7	84.9
160-53771-14	24031342-014	75.4	83.7
160-53771-15	24031342-015	62.9	86.4
160-53771-16	24031342-016	90.6	84.9
160-53771-17	24031342-017	86.0	86.0
160-53771-18	24031342-018	86.3	86.4
160-53771-19	24031342-019	91.6	87.9
160-53771-20	24031342-020	81.0	89.3
160-53771-21	24031342-021	100	84.1
LCS 160-656969/2-A	Lab Control Sample	98.5	86.4
LCS 160-656974/2-A	Lab Control Sample	99.0	81.1
MB 160-656969/1-A	Method Blank	96.2	87.1
MB 160-656974/1-A	Method Blank	92.1	86.0

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Newton- 2Q 2024

			Weather				Well Condition				
WO Sample	Well ID	Program/ Sample Type	Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
001	A213	Groundwater Sample	64.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
002	A214	Groundwater Sample	57.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
003	A215	Groundwater Sample	57.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
004	APW02	Groundwater Sample	65.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
005	APW03	Groundwater Sample	65.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
006	APW04	Groundwater Sample	59.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
007	APW05	Groundwater Sample	44.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
008	APW05S	Groundwater Sample	62.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
009	APW06	Groundwater Sample	64.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
010	APW07	Groundwater Sample	64.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
011	APW08	Groundwater Sample	72.0	None	W	Clear	Good	Good	Good	Yes	Yes
012	APW09	Groundwater Sample	69.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
013	APW10	Groundwater Sample	70.0	None	W	Clear	Good	Good	Good	Yes	Yes
014	APW11	Groundwater Sample	43.0	None	NE	Cloudy	Good	Good	Good	Yes	Yes
015	APW12	Groundwater Sample	43.0	None	NE	Cloudy	Good	Good	Good	Yes	Yes
016	APW13	Groundwater Sample	70.0	None	W	Clear	Good	Good	Good	Yes	Yes
017	APW14	Groundwater Sample	36.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
018	APW15	Groundwater Sample	37.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
019	APW16	Groundwater Sample	38.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
020	APW17	Groundwater Sample	37.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
021	APW18	Groundwater Sample	36.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
022	G104	Groundwater Sample	65.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
023	G105	Groundwater Sample	43.0	Light	NE	Cloudy	Good	Good	Good	Yes	Yes
024	G106	Groundwater Sample	42.0	Light	NE	Cloudy	Good	Good	Good	Yes	Yes
025	G116	Groundwater Sample	60.0	Light	E	Cloudy	Good	Good	Good	Yes	Yes
026	G125	Groundwater Sample	44.0	Light	N	Partly cloudy	Good	Good	Good	Yes	Yes
027	G128	Groundwater Sample	60.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
028	G130	Groundwater Sample	72.0	None	W	Clear	Good	Good	Good	Yes	Yes
029	G133	Groundwater Sample	73.0	None	W	Clear	Good	Good	Good	Yes	Yes
030	G136	Groundwater Sample	70.0	None	W	Clear	Good	Good	Good	Yes	Yes
031	G139	Groundwater Sample	72.0	None	W	Clear	Other (see note)	Good	Good	Yes	Yes
032	G141	Groundwater Sample	71.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
033	G208	DTW Only	72.0	None	S	Clear	Good	Other (see note)	Good	Yes	No
034	G217S	Groundwater Sample	70.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
035	G218	DTW Only	72.0	None	S	Clear	Good	Good	Good	Yes	Yes
036	G220	DTW Only	72.0	None	S	Clear	Good	Good	Good	Yes	Yes
037	G221	Groundwater Sample	42.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
038	G222	DTW Only	72.0	None	S	Clear	Good	Good	Good	Yes	Yes
039	G223	DTW Only	72.0	None	S	Clear	Good	Good	Good	Yes	Yes
040	G224	DTW Only	72.0	None	S	Clear	Good	Good	Good	Yes	Yes
041	G225	Groundwater Sample	62.0	Light	NW	Cloudy	Good	Good	Good	Yes	Yes
042	G230	Groundwater Sample	64.0	Heavy	S	Cloudy	Good	Good	Good	Yes	Yes

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Newton- 2Q 2024

			Weather				Well Condition				
WO Sample	**Well ID**	**Program/ Sample Type**	**Temp (°F)**	**Precipitation**	**Wind Direction**	**Sky**	**Well Pad**	**Casing**	**Protective Cover**	**Reference Mark/ ID**	**Well Locked**
043	G231	Groundwater Sample	67.0	Light	S	Cloudy	Good	Good	Good	Yes	Yes
044	G232	Groundwater Sample	67.0	Light	S	Cloudy	Good	Good	Good	Yes	Yes
045	G233	Groundwater Sample	69.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
046	G234	Groundwater Sample	41.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
047	L1R	Leachate Sample	73.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
048	L201	DTW Only	72.0	None	S	Clear	Good	Good	Good	Yes	Yes
049	L202	DTW Only	72.0	None	S	Clear	Good	Good	Good	Yes	Yes
050	L203	DTW Only	72.0	None	S	Clear	Good	Good	Good	Yes	Yes
051	L204	DTW Only	72.0	None	S	Clear	Good	Good	Good	Yes	Yes
052	L205	DTW Only	72.0	None	S	Clear	Good	Good	Good	Yes	Yes
053	L301	Leachate Sample									
054	LREP	Leachate Sample									
055	R217D	Groundwater Sample	65.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
056	R219	Groundwater Sample	70.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
057	S101	Groundwater Sample	65.0	None	S	Partly cloudy					
058	S102	Groundwater Sample	65.0	None	S	Partly cloudy					
059	SG02	DTW Only	72.0	None	S	Clear					
060	T101	Groundwater Sample	61.0	Light	NW	Cloudy	Good	Good	Good	Yes	Yes
061	T102	Groundwater Sample	61.0	Light	NW	Cloudy	Good	Good	Good	Yes	Yes
062	XPW01	Groundwater Sample	37.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
063	XPW02	Groundwater Sample	39.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
064	XPW03	Groundwater Sample	40.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
065	XPW04	Groundwater Sample	40.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
066	XSG01	DTW Only	72.0	None	S	Clear					
067	Field Blank	QA/QC Sample	60.0	Light	E	Cloudy					
068	A213 Duplicate	QA/QC Sample	64.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
069	APW02 Duplicate	QA/QC Sample	65.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
070	G104 Duplicate	QA/QC Sample	65.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
071	Equipment Blank 1	QA/QC Sample	70.0	None	W	Clear					

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Newton- 2Q 2024

		GW Level Measurement				Purge Activities							
WO Sample	Well ID	Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
001	A213	JC	4/9/24 10:57	18.34	60.99	JC	4/9/2024	10:57	11:28	Bladder Pump	2"	6.0	193.5
002	A214	JC	4/9/24 10:14	41.07	75.52	JC	4/9/2024	10:11	10:44	Submersible Pump	2"	19.0	**575.8**
003	A215	JC	4/9/24 9:00	44.17	78.10	JC	4/9/2024	09:05	09:52	Submersible Pump	2"	25.0	**531.9**
004	APW02	TAC	4/9/24 11:31	3.93	23.70	PY	4/9/2024	11:35	11:56	Peristaltic Pump	2"	4.5	214.3
005	APW03	TAC	4/9/24 10:35	5.96	24.00	PY	4/9/2024	10:35	10:55	Peristaltic Pump	2"	4.0	200.0
006	APW04	PY	4/9/24 9:09	4.92	21.60	PY	4/9/2024	09:10	09:54	Peristaltic Pump	2"	6.5	147.7
007	APW05	BG	4/4/24 14:22	14.98	70.80	BG	4/4/2024	14:22	14:41	Bladder Pump	2"	5.0	263.2
008	APW05S	TAC	4/2/24 13:18	9.79	22.90	BG	4/2/2024	13:18	13:52	Peristaltic Pump	2"	3.0	88.2
009	APW06	JC	4/9/24 12:29	19.18	76.10	JC	4/9/2024	12:30	12:44	Submersible Pump	2"	3.0	214.3
010	APW07	JC	4/9/24 11:56	46.90	85.80	JC	4/9/2024	12:00	12:20	Submersible Pump	2"	4.0	200.0
011	APW08	TAC	4/8/24 13:48	37.78	84.20	PY	4/8/2024	13:48	14:07	Bladder Pump	2"	4.5	236.8
012	APW09	JC	4/9/24 12:59	26.46	65.00	JC	4/9/2024	13:00	13:12	Submersible Pump	2"	3.5	291.7
013	APW10	PY	4/8/24 11:30	17.95	48.70	TAC	4/8/2024	11:30	12:22	Bladder Pump	2"	14.0	269.2
014	APW11	BG	4/4/24 13:10	24.35	67.60	BG	4/4/2024	13:10	14:00	Bladder Pump	2"	11.0	220.0
015	APW12	BG	4/4/24 12:39	14.75	33.00	BG	4/4/2024	12:40	12:54	Bladder Pump	2"	4.0	285.7
016	APW13	TAC	4/8/24 12:44	32.24	66.30	TAC	4/8/2024	12:45	13:19	Bladder Pump	2"	6.5	191.2
017	APW14	TAC	4/4/24 14:01	20.70	57.40	TAC	4/4/2024	14:01	14:27	Bladder Pump	2"	4.5	173.1
018	APW15	TAC	4/4/24 9:58	20.96	105.60	TAC	4/4/2024	09:58	10:48	Bladder Pump	2"	10.0	200.0
019	APW16	TAC	4/4/24 11:19	40.14	87.50	TAC	4/4/2024	11:19	11:43	Bladder Pump	2"	7.0	291.7
020	APW17	TAC	4/4/24 12:19	41.25	94.70	TAC	4/4/2024	12:19	12:38	Bladder Pump	2"	5.0	263.2
021	APW18	TAC	4/4/24 13:08	51.81	82.70	TAC	4/4/2024	13:08	13:35	Bladder Pump	2"	9.0	333.3
022	G104	JC	4/8/24 12:38	4.45	42.96	JC	4/8/2024	12:39	13:06	Bladder Pump	2"	5.0	185.2
023	G105	BG	4/3/24 14:24	8.41	25.80	BG	4/3/2024	14:24	15:08	Submersible Pump	2"	4.0	90.9
024	G106	BG	4/3/24 11:19	24.00	35.70	BG	4/3/2024	11:19	12:31	Bladder Pump	2"	6.0	83.3
025	G116	JC	4/10/24 10:33	6.43	21.80	JC	4/10/2024	10:39	10:51	Submersible Pump	2"	5.0	**416.7**
026	G125	BG	4/3/24 13:10	3.86	22.80	BG	4/3/2024	13:10	14:00	Submersible Pump	2"	5.0	100.0
027	G128	TAC	4/10/24 9:34	4.40	30.20	PY	4/10/2024	09:34	09:56	Peristaltic Pump	2"	5.0	227.3
028	G130	TAC	4/9/24 13:45	4.63	21.90	PY	4/9/2024	13:45	14:06	Peristaltic Pump	2"	6.0	285.7
029	G133	PY	4/9/24 14:38	9.12	27.90	PY	4/9/2024	14:38	15:18	Peristaltic Pump	2"	5.5	137.5
030	G136	TAC	4/10/24 10:24	7.37	22.30	PY	4/10/2024	10:25	10:48	Peristaltic Pump	2"	5.5	239.1
031	G139	PY	4/9/24 12:57	6.01	22.90	PY	4/9/2024	12:58	13:21	Peristaltic Pump	2"	5.0	217.4
032	G141	JC	4/9/24 14:18	11.39	25.32	JC	4/9/2024	14:20	14:39	Submersible Pump	2"	6.0	315.8
033	G208	JC	4/1/24 15:18	N/A	96.60								
034	G217S	JC	4/9/24 13:27	6.23	21.40	JC	4/9/2024	13:27	13:41	Submersible Pump	2"	3.5	250.0
035	G218	JC	4/1/24 14:12	19.33	90.60								
036	G220	JC	4/1/24 14:09	18.14	88.40								
037	G221	BG	4/3/24 9:48	24.50	86.90	BG	4/3/2024	09:48	10:38	Bladder Pump	2"	5.0	100.0
038	G222	JC	4/1/24 13:53	17.23	81.30								
039	G223	JC	4/1/24 14:18	32.81	91.00								
040	G224	JC	4/1/24 14:40	42.40	75.50								
041	G225	TAC	4/2/24 12:07	7.45	24.70	BG	4/2/2024	12:08	12:52	Peristaltic Pump	2"	5.5	125.0
042	G230	JC	4/2/24 9:28	47.60	81.03	JC	4/2/2024	09:30	10:34	Bladder Pump	2"	10.0	156.3

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Newton- 2Q 2024

		GW Level Measurement				Purge Activities							
WO Sample	Well ID	Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
043	G231	JC	4/2/24 11:05	46.92	79.76	JC	4/2/2024	11:05	12:13	Bladder Pump	2"	7.0	102.9
044	G232	JC	4/2/24 12:29	45.35	77.66	JC	4/2/2024	12:30	13:34	Bladder Pump	2"	9.0	140.6
045	G233	JC	4/2/24 13:53	41.60	76.24	JC	4/2/2024	13:53	14:41	Bladder Pump	2"	10.0	208.3
046	G234	JC	4/3/24 8:47	43.20	73.81	JC	4/3/2024	08:47	09:58	Bladder Pump	2"	15.0	211.3
047	L1R	JC	4/8/24 13:52	54.72	60.11	JC	4/8/2024	13:54	13:54	Bailer	2"		
048	L201	JC	4/1/24 14:53	35.63	N/A								
049	L202	JC	4/1/24 14:50	37.45	N/A								
050	L203	JC	4/1/24 14:57	29.99	N/A								
051	L204	JC	4/1/24 14:45	48.03	N/A								
052	L205	JC	4/1/24 15:01	32.04	N/A								
053	L301				N/A								
054	LREP				-								
055	R217D	JC	4/8/24 11:36	18.09	67.80	JC	4/8/2024	11:30	11:53	Bladder Pump	2"	4.0	173.9
056	R219	JC	4/9/24 13:55	20.22	64.27	JC	4/9/2024	13:56	14:07	Submersible Pump	2"	3.0	272.7
057	S101					JC	4/8/2024	12:15	12:15	Direct Grab	2"		
058	S102					JC	4/8/2024	12:27	12:27	Direct Grab	2"		
059	SG02	JC	4/1/24 15:20	2.40									
060	T101	TAC	4/2/24 11:11	5.92	21.83	BG	4/2/2024	11:12	11:47	Peristaltic Pump	2"	6.0	171.4
061	T102	TAC	4/2/24 10:02	5.48	21.49	BG	4/2/2024	10:10	10:43	Peristaltic Pump	2"	6.0	181.8
062	XPW01	BG	4/4/24 9:34	9.03	20.10	BG	4/4/2024	09:34	10:31	Bladder Pump	2"	8.0	140.4
063	XPW02	BG	4/4/24 10:43	7.80	18.50	BG	4/4/2024	10:44	11:05	Bladder Pump	2"	6.0	285.7
064	XPW03	BG	4/4/24 11:55	9.78	22.80	BG	4/4/2024	11:56	12:20	Bladder Pump	2"	3.0	125.0
065	XPW04	BG	4/4/24 11:21	12.32	22.60	BG	4/4/2024	11:22	11:39	Bladder Pump	2"	5.0	294.1
066	XSG01	JC	4/1/24 14:03	6.06									
067	Field Blank												
068	A213 Duplicate	JC	4/9/24 10:57	18.34	60.99	JC	4/9/2024	10:57	11:28	Bladder Pump	2"	6.0	193.5
069	APW02 Duplicate	TAC	4/9/24 11:31	3.93	23.70	PY	4/9/2024	11:35	11:56	Peristaltic Pump	2"	4.5	214.3
070	G104 Duplicate	JC	4/8/24 12:38	4.45	42.96	JC	4/8/2024	12:39	13:06	Bladder Pump	2"	5.0	185.2
071	Equipment Blank 1												

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Newton- 2Q 2024

		Sampling Activities and Observations										
WO Sample	Well ID	Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	A213	JC	04/09/24	11:28	Low Flow	218083	Yes	Slightly cloudy	None	None	19.04	**0.7**
002	A214	JC	04/09/24	10:44	Low Flow	218083	Yes	Slightly cloudy	None	None	41.07	0
003	A215	JC	04/09/24	09:52	Low Flow	218083	Yes	Slightly cloudy	None	None	44.17	0
004	APW02	TAC	04/09/24	11:56	Low Flow	26599	Yes	Clear	None	None	5.99	**2.06**
005	APW03	TAC	04/09/24	10:55	Low Flow	26599	Yes	Clear	None	None	8.82	**2.86**
006	APW04	TAC	04/09/24	09:54	Low Flow	26599	Yes	Clear	None	None	10.55	**5.63**
007	APW05	BG	04/04/24	14:41	Low Flow	218083	Yes	Clear	None	None	14.03	-0.95
008	APW05S	TAC	04/02/24	13:52	Low Flow	26599	No	Clear	None	None	10.51	**0.72**
009	APW06	JC	04/09/24	12:44	Low Flow	218083	No	Clear	None	None	19.18	0
010	APW07	JC	04/09/24	12:20	Low Flow	218083	Yes	Clear	None	None	46.90	0
011	APW08	TAC	04/08/24	14:07	Low Flow	26599	Yes	Clear	None	none	37.80	0.02
012	APW09	JC	04/09/24	13:12	Low Flow	218083	Yes	Clear	None	None	26.46	0
013	APW10	TAC	04/08/24	12:22	Low Flow	26599	No	Clear	None	none	17.95	0
014	APW11	BG	04/04/24	14:00	Low Flow	218083	No	Clear	None	None	24.82	0.47
015	APW12	BG	04/04/24	12:54	Low Flow	218083	No	Clear	Slight	NONE	15.00	0.25
016	APW13	TAC	04/08/24	13:19	Low Flow	26599		Clear	None	none	32.61	0.37
017	APW14	TAC	04/04/24	14:27	Low Flow	26599	No	Clear	None	none	20.96	0.26
018	APW15	TAC	04/04/24	10:48	Low Flow	26599	No	Clear	None	none	22.25	**1.29**
019	APW16	TAC	04/04/24	11:43	Low Flow	26599	No	Clear	None	none	40.16	0.02
020	APW17	TAC	04/04/24	12:38	Low Flow	26599	No	Clear	None	none	41.25	0
021	APW18	TAC	04/04/24	13:35	Low Flow	26599	No	Clear	None	none	51.86	0.05
022	G104	JC	04/08/24	13:06	Low Flow	218083	Yes	Slightly cloudy	None	none	4.45	0
023	G105	BG	04/03/24	15:08	Low Flow	218083	Yes	Clear	None	CLEAR	9.32	**0.91**
024	G106	BG	04/03/24	12:31	Low Flow	218083	Yes	Clear	None	CLEAR	24.52	**0.52**
025	G116	JC	04/10/24	10:51	Low Flow	218083	Yes	Slightly cloudy	None	None	6.76	0.33
026	G125	BG	04/03/24	14:00	Low Flow	218083	Yes	Clear	None	CLEAR	4.52	**0.66**
027	G128	TAC	04/10/24	09:56	Low Flow	26599	Yes	Clear	None	None	10.21	**5.81**
028	G130	TAC	04/09/24	14:06	Low Flow	26599	Yes	Clear	None	None	5.91	**1.28**
029	G133	TAC	04/09/24	15:18	Low Flow	26599	Yes	Clear	None	None	11.19	**2.07**
030	G136	TAC	04/10/24	10:48	Low Flow	26599	Yes	Clear	None	None	8.19	**0.82**
031	G139	TAC	04/09/24	13:21	Low Flow	26599	Yes	Clear	None	None	8.63	**2.62**
032	G141	JC	04/09/24	14:39	Low Flow	218083	Yes	Clear	None	None	11.39	0
033	G208											
034	G217S	JC	04/09/24	13:41	Low Flow	218083	Yes	Clear	None	None	6.23	0
035	G218											
036	G220											
037	G221	BG	04/03/24	10:38	Low Flow	218083	Yes	Cloudy	None	CLEAR	31.08	**6.58**
038	G222											
039	G223											
040	G224											
041	G225	TAC	04/02/24	12:52	Low Flow	26599	Yes	Cloudy	None	cLEAR	10.78	**3.33**
042	G230	JC	04/02/24	10:34	Low Flow	218083	Yes	Slightly cloudy	Slight	none	47.95	0.35

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Newton- 2Q 2024

		Sampling Activities and Observations										
WO Sample	**Well ID**	**Sampler Initials**	**Date**	**Time**	**Sampling Method**	**Instrument ID**	**Field Filtered**	**Appearance**	**Odor**	**Color**	**Post-Sample DTW (ft)**	**Drawdown (ft)**
043	G231	JC	04/02/24	12:13	Low Flow	218083	Yes	Slightly cloudy	None	none	47.02	0.1
044	G232	JC	04/02/24	13:34	Low Flow	218083	No	Slightly cloudy	Slight	none	45.35	0
045	G233	JC	04/02/24	14:41	Low Flow	218083	Yes	Slightly cloudy	Slight	none	41.60	0
046	G234	JC	04/03/24	09:58	Low Flow	218083	Yes	Slightly cloudy	Slight	none	43.20	0
047	L1R	JC	04/08/24	13:54	No Purge	218083	No	Cloudy	Moderate	greyish	54.72	0
048	L201											
049	L202											
050	L203											
051	L204											
052	L205											
053	L301											
054	LREP											
055	R217D	JC	04/08/24	11:53	Low Flow	218083	Yes	Slightly cloudy	None	none	18.91	**0.82**
056	R219	JC	04/09/24	14:07	Low Flow	218083	Yes	Clear	None	None	20.22	0
057	S101	JC	04/08/24	12:15	No Purge	218083	No	Slightly cloudy	None	none		
058	S102	JC	04/08/24	12:27	No Purge	218083	No	Slightly cloudy	None	None		
059	SG02											
060	T101	TAC	04/02/24	11:47	Low Flow	26599	Yes	Clear	None	None	9.40	**3.48**
061	T102	TAC	04/02/24	10:43	Low Flow	26599	Yes	Clear	None	None	9.35	**3.87**
062	XPW01	BG	04/04/24	10:31	Low Flow	218083	Yes	Slightly cloudy	None	LT BROWN	10.91	**1.88**
063	XPW02	BG	04/04/24	11:05	Low Flow	218083	No	Clear	Slight	CLEAR	8.03	0.23
064	XPW03	BG	04/04/24	12:20	Low Flow	218083	No	Clear	Slight	clear	9.82	0.04
065	XPW04	BG	04/04/24	11:39	Low Flow	218083	No	Clear	None	CLEAR	12.05	-0.27
066	XSG01											
067	Field Blank	JC	04/10/24	10:45		218083						
068	A213 Duplicate	JC	04/09/24	11:28	Low Flow	218083	Yes	Slightly cloudy	None	None	19.04	**0.7**
069	APW02 Duplicate	TAC	04/09/24	11:56	Low Flow	26599	Yes	Clear	None	None	5.99	**2.06**
070	G104 Duplicate	JC	04/08/24	13:06	Low Flow	218083	Yes	Slightly cloudy	None	none	4.45	0
071	Equipment Blank 1	TAC	04/10/24	15:16		26599						

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Newton- 2Q 2024

WO Sample	Well ID	COMMENTS
001	A213	
002	A214	
003	A215	
004	APW02	
005	APW03	
006	APW04	
007	APW05	
008	APW05S	
009	APW06	
010	APW07	
011	APW08	
012	APW09	
013	APW10	
014	APW11	
015	APW12	
016	APW13	
017	APW14	
018	APW15	Turbity would not stabilize
019	APW16	
020	APW17	
021	APW18	
022	G104	
023	G105	
024	G106	
025	G116	
026	G125	
027	G128	
028	G130	
029	G133	
030	G136	
031	G139	Needs work. Wobbles when stepped on.
032	G141	No dedicated pump in well
033	G208	Unable to access to measure (undergoing well repair)
034	G217S	
035	G218	
036	G220	
037	G221	
038	G222	
039	G223	
040	G224	
041	G225	
042	G230	

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Newton- 2Q 2024

WO Sample	Well ID	COMMENTS
043	G231	
044	G232	filter in lab, wrote on coc. JC
045	G233	
046	G234	
047	L1R	filter in lab. Wrote on coc. JC
048	L201	
049	L202	
050	L203	
051	L204	
052	L205	
053	L301	Unable to collect
054	LREP	Unable to collect
055	R217D	
056	R219	
057	S101	filter in lab. Wrote on coc. JC
058	S102	filter in lab. Wrote on coc. JC
059	SG02	
060	T101	
061	T102	
062	XPW01	
063	XPW02	
064	XPW03	
065	XPW04	
066	XSG01	
067	Field Blank	
068	A213 Duplicate	
069	APW02 Duplicate	
070	G104 Duplicate	
071	Equipment Blank 1	

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters
Newton- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
A213	4/9/2024	11:28	12.1	53.8	6.67	2,255.9	1.82	33.55	131.9	18.34	24031341-001A
A214	4/9/2024	10:44	12.7	54.9	7.30	1,034.5	1.05	50.80	90.8	41.07	24031341-002A
A215	4/9/2024	9:52	15.8	60.4	7.03	1,314.2	0.63	36.87	-111.4	44.17	24031341-003A
APW02	4/9/2024	11:56	15.3	59.5	6.73	5,148.2	1.84	2.11	44.6	3.93	24031341-004A
APW03	4/9/2024	10:55	15.8	60.4	6.79	1,035.7	1.57	2.16	-3.3	5.96	24031341-005A
APW04	4/9/2024	9:54	14.1	57.4	6.72	2,221.8	1.71	6.61	-4.7	4.92	24031341-006A
APW05	4/4/2024	14:41	13.1	55.6	7.79	889.5	0.64	26.66	-154.4	14.98	24031341-007A
APW05S	4/2/2024	13:52	17.2	63.0	6.86	3,383.7	2.20	5.64	117.0	9.79	24031341-008A
APW06	4/9/2024	12:44	13.6	56.5	7.58	800.1	0.88	14.22	-8.0	19.18	24031341-009A
APW07	4/9/2024	12:20	12.1	53.8	6.87	795.8	2.21	11.02	112.8	46.90	24031341-010A
APW08	4/8/2024	14:07	14.4	57.9	7.20	1,125.9	0.24	6.39	-45.7	37.78	24031341-011A
APW09	4/9/2024	13:12	11.4	52.5	7.49	1,354.8	0.74	23.68	-57.3	26.46	24031341-012A
APW10	4/8/2024	12:22	15.0	59.0	7.14	1,508.4	0.15	40.95	-2.3	17.95	24031341-013A
APW11	4/4/2024	14:00	12.9	55.2	7.18	1,168.9	0.87	40.39	-48.2	24.35	24031341-014A
APW12	4/4/2024	12:54	12.1	53.8	6.52	1,995.4	0.90	2.09	21.0	14.75	24031341-015A
APW13	4/8/2024	13:19	15.0	59.0	7.07	1,414.8	0.31	19.45	-64.5	32.24	24031341-016A
APW14	4/4/2024	14:27	12.6	54.7	7.18	1,599.0	0.29	2.96	-78.2	20.70	24031341-017A
APW15	4/4/2024	10:48	12.5	54.5	6.99	2,105.3	0.10	180.63	-139.3	20.96	24031341-018A
APW16	4/4/2024	11:43	12.7	54.9	7.31	1,374.4	0.27	6.37	-128.5	40.14	24031341-019A
APW17	4/4/2024	12:38	12.9	55.2	7.30	1,246.8	0.34	19.79	-76.3	41.25	24031341-020A
APW18	4/4/2024	13:35	12.9	55.2	7.55	1,065.9	0.24	14.35	-144.3	51.81	24031341-021A
G104	4/8/2024	13:06	16.2	61.2	6.81	1,146.2	3.44	52.85	115.7	4.45	24031341-022A
G105	4/3/2024	15:08	9.8	49.6	6.90	1,817.4	1.33	38.35	6.6	8.41	24031341-023A
G106	4/3/2024	12:31	9.2	48.6	6.73	3,471.5	1.19	115.36	33.5	24.00	24031341-024A
G116	4/10/2024	10:51	12.0	53.6	6.74	752.4	3.25	12.96	134.5	6.43	24031341-025A
G125	4/3/2024	14:00	10.6	51.1	6.81	3,385.5	1.93	197.77	69.1	3.86	24031341-026A
G128	4/10/2024	9:56	13.9	57.0	6.69	17,259.7	2.25	18.96	107.5	4.40	24031341-027A
G130	4/9/2024	14:06	15.0	59.0	6.27	11,978.6	0.59	8.30	74.2	4.63	24031341-028A
G133	4/9/2024	15:18	19.3	66.7	6.88	5,589.3	6.87	23.05	64.5	9.12	24031341-029A
G136	4/10/2024	10:48	12.7	54.9	6.92	5,230.8	2.35	4.75	39.6	7.37	24031341-030A
G139	4/9/2024	13:21	15.2	59.4	6.74	4,734.5	0.94	3.78	46.3	6.01	24031341-031A
G141	4/9/2024	14:39	13.3	55.9	6.71	1,514.9	1.88	23.40	142.4	11.39	24031341-032A
G208	4/1/2024	15:18	Unable to sample/measure							N/A	24031341-033A
G217S	4/9/2024	13:41	12.8	55.0	6.45	1,499.3	1.30	8.41	173.2	6.23	24031341-034A
G218	4/1/2024	14:12	DTW Only							19.33	24031341-035A
G220	4/1/2024	14:09	DTW Only							18.14	24031341-036A
G221	4/3/2024	10:38	9.1	48.4	6.98	1,339.5	0.78	269.28	-94.9	24.50	24031341-037A
G222	4/1/2024	13:53	DTW Only							17.23	24031341-038A
G223	4/1/2024	14:18	DTW Only							32.81	24031341-039A
G224	4/1/2024	14:40	DTW Only							42.40	24031341-040A
G225	4/2/2024	12:52	15.3	59.5	7.23	1,264.9	4.36	22.26	22.4	7.45	24031341-041A
G230	4/2/2024	10:34	14.8	58.6	7.39	1,397.7	0.47	192.63	-114.7	47.60	24031341-042A
G231	4/2/2024	12:13	14.9	58.8	7.46	1,312.9	0.88	159.06	-89.4	46.92	24031341-043A

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters
Newton- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
G232	4/2/2024	13:34	15.5	59.9	7.40	1,188.0	0.48	43.46	-112.7	45.35	24031341-044A
G233	4/2/2024	14:41	14.5	58.1	7.35	1,317.2	0.38	42.98	-124.8	41.60	24031341-045A
G234	4/3/2024	9:58	13.1	55.6	7.42	1,173.9	0.32	44.32	-123.1	43.20	24031341-046A
L1R	4/8/2024	13:54	17.1	62.8	9.86	43,108.3	4.86	86.90	-44.1	54.72	24031341-047A
L201	4/1/2024	14:53	DTW Only							35.63	24031341-048A
L202	4/1/2024	14:50	DTW Only							37.45	24031341-049A
L203	4/1/2024	14:57	DTW Only							29.99	24031341-050A
L204	4/1/2024	14:45	DTW Only							48.03	24031341-051A
L205	4/1/2024	15:01	DTW Only							32.04	24031341-052A
L301	Unable to sample										24031341-053A
LREP	Unable to sample										24031341-054A
R217D	4/8/2024	11:53	18.4	65.1	6.46	3,212.1	2.03	28.20	5.7	18.09	24031341-055A
R219	4/9/2024	14:07	11.9	53.4	7.01	1,284.4	1.61	28.86	124.1	20.22	24031341-056A
S101	4/8/2024	12:15	21.4	70.5	7.62	423.8	10.11	15.58	65.7		24031341-057A
S102	4/8/2024	12:27	16.0	60.8	7.43	312.3	9.02	22.20	90.4		24031341-058A
SG02	4/1/2024	15:20	DTW Only							2.40	24031341-059A
T101	4/2/2024	11:47	14.0	57.2	6.82	375.4	3.99	26.45	194.6	5.92	24031341-060A
T102	4/2/2024	10:43	13.9	57.0	6.56	455.0	2.62	211.71	210.3	5.48	24031341-061A
XPW01	4/4/2024	10:31	13.7	56.7	12.70	9,693.0	0.54	8.23	-246.6	9.03	24031341-062A
XPW02	4/4/2024	11:05	14.0	57.2	10.05	532.6	0.64	2.05	-250.6	7.80	24031341-063A
XPW03	4/4/2024	12:20	15.8	60.4	11.96	1,395.7	0.65	3.23	-222.2	9.78	24031341-064A
XPW04	4/4/2024	11:39	15.2	59.4	11.74	8,016.0	0.57	7.58	-272.2	12.32	24031341-065A
XSG01	4/1/2024	14:03	DTW Only							6.06	24031341-066A
Field Blank	4/10/2024	10:45	QA/QC Sample								24031341-067A
A213 Duplicate	4/9/2024	11:28	12.1	53.8	6.67	2,255.9	1.82	33.55	131.9	18.34	24031341-068A
APW02 Duplicate	4/9/2024	11:56	15.3	59.5	6.73	5,148.2	1.84	2.11	44.6	3.93	24031341-069A
G104 Duplicate	4/8/2024	13:06	16.2	61.2	6.81	1,146.2	3.44	52.85	115.7	4.45	24031341-070A
Equipment Blank 1	4/10/2024	15:16	QA/QC Sample								24031341-071A

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
A213	4/9/2024	11:19	18.34	12.2	54.0	6.68	2,247.1	2.56	36.32	134.2
A213	4/9/2024	11:22	18.34	12.2	54.0	6.68	2,253.6	1.98	34.56	133.6
A213	4/9/2024	11:25	18.34	12.1	53.8	6.67	2,255.1	1.91	35.68	132.5
A213	4/9/2024	11:28	18.34	12.1	53.8	6.67	2,255.9	1.82	33.55	131.9

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
A214	4/9/2024	10:32	41.07	12.6	54.7	7.32	1,038.7	1.21	54.40	98.6
A214	4/9/2024	10:35	41.07	12.6	54.7	7.32	1,036.0	1.12	50.36	95.8
A214	4/9/2024	10:38	41.07	12.6	54.7	7.32	1,035.6	1.10	44.58	93.1
A214	4/9/2024	10:41	41.07	12.7	54.9	7.31	1,034.1	1.08	51.36	91.5
A214	4/9/2024	10:44	41.07	12.7	54.9	7.30	1,034.5	1.05	50.80	90.8

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
A215	4/9/2024	9:25	44.17	15.9	60.6	7.00	1,822.2	0.79	81.42	-106.1
A215	4/9/2024	9:28	44.17	15.9	60.6	7.01	1,713.1	0.75	66.95	-107.4
A215	4/9/2024	9:31	44.17	15.9	60.6	7.02	1,634.7	0.72	50.99	-108.1
A215	4/9/2024	9:34	44.17	15.9	60.6	7.02	1,562.3	0.70	48.90	-108.7
A215	4/9/2024	9:37	44.17	15.9	60.6	7.03	1,474.9	0.68	60.96	-110.0
A215	4/9/2024	9:40	44.17	15.8	60.4	7.03	1,444.7	0.67	58.95	-110.3
A215	4/9/2024	9:43	44.17	15.8	60.4	7.03	1,408.7	0.66	48.06	-110.5
A215	4/9/2024	9:46	44.17	15.8	60.4	7.03	1,363.2	0.64	27.67	-110.8
A215	4/9/2024	9:49	44.17	15.8	60.4	7.03	1,332.0	0.63	39.12	-111.2
A215	4/9/2024	9:52	44.17	15.8	60.4	7.03	1,314.2	0.63	36.87	-111.4

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW02	4/9/2024	11:44	3.93	15.7	60.3	6.57	5,423.6	1.81	4.53	47.4
APW02	4/9/2024	11:47	3.93	15.5	59.9	6.60	5,337.8	1.74	3.34	46.6
APW02	4/9/2024	11:50	3.93	15.1	59.2	6.68	5,196.8	1.83	2.89	45.9
APW02	4/9/2024	11:53	3.93	15.2	59.4	6.72	5,159.8	1.87	2.52	45.2
APW02	4/9/2024	11:56	3.93	15.3	59.5	6.73	5,148.2	1.84	2.11	44.6

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW03	4/9/2024	10:46	5.96	15.4	59.7	6.80	1,036.1	1.99	2.99	-0.5
APW03	4/9/2024	10:49	5.96	15.4	59.7	6.79	1,034.5	1.78	2.98	-1.4
APW03	4/9/2024	10:52	5.96	15.6	60.1	6.79	1,035.5	1.68	3.93	-2.5
APW03	4/9/2024	10:55	5.96	15.8	60.4	6.79	1,035.7	1.57	2.16	-3.3

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW04	4/9/2024	9:39	4.92	14.0	57.2	6.72	2,221.2	2.57	8.07	-5.6
APW04	4/9/2024	9:42	4.92	13.9	57.0	6.72	2,220.9	2.30	7.08	-5.2
APW04	4/9/2024	9:45	4.92	13.9	57.0	6.72	2,221.5	2.15	8.00	-5.0
APW04	4/9/2024	9:48	4.92	13.8	56.8	6.72	2,223.4	1.94	6.42	-4.8
APW04	4/9/2024	9:51	4.92	14.0	57.2	6.72	2,222.9	1.85	6.85	-4.7
APW04	4/9/2024	9:54	4.92	14.1	57.4	6.72	2,221.8	1.71	6.61	-4.7

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW05	4/4/2024	14:23	14.98	12.9	55.2	7.75	884.1	1.51	11.06	-107.3
APW05	4/4/2024	14:26	14.98	13.0	55.4	7.77	886.4	0.86	9.73	-138.4
APW05	4/4/2024	14:29	14.98	13.0	55.4	7.78	886.7	0.75	15.99	-145.3
APW05	4/4/2024	14:32	14.98	13.0	55.4	7.78	887.1	0.70	24.50	-148.6
APW05	4/4/2024	14:35	14.98	13.1	55.6	7.78	887.7	0.67	26.14	-151.2
APW05	4/4/2024	14:38	14.98	13.1	55.6	7.79	888.7	0.65	26.22	-153.2
APW05	4/4/2024	14:41	14.98	13.1	55.6	7.79	889.5	0.64	26.66	-154.4

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW05S	4/2/2024	13:40	9.79	15.4	59.7	6.85	3,344.9	2.19	4.95	131.6
APW05S	4/2/2024	13:43	9.79	16.6	61.9	6.85	3,354.6	2.25	5.18	127.5
APW05S	4/2/2024	13:46	9.79	17.0	62.6	6.85	3,381.1	2.25	5.43	120.9
APW05S	4/2/2024	13:49	9.79	17.2	63.0	6.86	3,379.3	2.21	5.30	119.6
APW05S	4/2/2024	13:52	9.79	17.2	63.0	6.86	3,383.7	2.20	5.64	117.0

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW06	4/9/2024	12:35	19.18	13.6	56.5	7.61	802.6	0.95	12.96	-4.5
APW06	4/9/2024	12:38	19.18	13.6	56.5	7.60	801.4	0.96	13.98	-5.6
APW06	4/9/2024	12:41	19.18	13.5	56.3	7.61	800.5	0.92	14.08	-6.8
APW06	4/9/2024	12:44	19.18	13.6	56.5	7.58	800.1	0.88	14.22	-8.0

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW07	4/9/2024	12:08	46.90	12.4	54.3	6.91	808.5	2.56	20.40	110.5
APW07	4/9/2024	12:11	46.90	12.3	54.1	6.90	801.6	2.48	15.54	111.0
APW07	4/9/2024	12:14	46.90	12.2	54.0	6.90	799.9	2.33	11.86	111.8
APW07	4/9/2024	12:17	46.90	12.2	54.0	6.88	796.6	2.28	12.56	112.3
APW07	4/9/2024	12:20	46.90	12.1	53.8	6.87	795.8	2.21	11.02	112.8

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW08	4/8/2024	13:58	37.78	14.6	58.3	7.19	1,125.7	0.60	8.88	-26.4
APW08	4/8/2024	14:01	37.78	14.5	58.1	7.19	1,128.1	0.37	5.57	-23.1
APW08	4/8/2024	14:04	37.78	14.4	57.9	7.19	1,127.0	0.29	5.47	-30.1
APW08	4/8/2024	14:07	37.78	14.4	57.9	7.20	1,125.9	0.24	6.39	-45.7

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW09	4/9/2024	13:03	26.46	11.5	52.7	7.49	1,356.4	0.86	24.11	-56.5
APW09	4/9/2024	13:06	26.46	11.5	52.7	7.49	1,355.8	0.81	23.56	-56.8
APW09	4/9/2024	13:09	26.46	11.5	52.7	7.49	1,355.1	0.77	22.58	-57.1
APW09	4/9/2024	13:12	26.46	11.4	52.5	7.49	1,354.8	0.74	23.68	-57.3

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW10	4/8/2024	12:10	17.95	15.1	59.2	7.13	1,510.2	0.36	64.42	10.3
APW10	4/8/2024	12:13	17.95	15.1	59.2	7.13	1,509.5	0.21	62.42	6.1
APW10	4/8/2024	12:16	17.95	15.1	59.2	7.13	1,508.8	0.18	49.04	2.7
APW10	4/8/2024	12:19	17.95	15.1	59.2	7.13	1,508.5	0.16	51.90	0.0
APW10	4/8/2024	12:22	17.95	15.0	59.0	7.14	1,508.4	0.15	40.95	-2.3

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW11	4/4/2024	13:15	24.35	12.8	55.0	7.19	1,178.4	2.14	188.83	-8.8
APW11	4/4/2024	13:18	24.35	12.8	55.0	7.18	1,178.5	1.53	113.04	-25.3
APW11	4/4/2024	13:21	24.35	12.8	55.0	7.18	1,174.6	1.22	103.39	-34.2
APW11	4/4/2024	13:24	24.35	12.8	55.0	7.18	1,173.2	1.04	83.79	-39.1
APW11	4/4/2024	13:27	24.35	12.9	55.2	7.17	1,171.9	1.23	78.66	-41.8
APW11	4/4/2024	13:30	24.35	12.8	55.0	7.17	1,172.8	1.13	67.06	-43.7
APW11	4/4/2024	13:33	24.35	12.9	55.2	7.17	1,170.3	1.07	67.97	-45.3
APW11	4/4/2024	13:36	24.35	12.9	55.2	7.18	1,169.3	0.88	75.14	-46.1
APW11	4/4/2024	13:39	24.35	12.8	55.0	7.18	1,169.9	1.15	52.76	-47.0
APW11	4/4/2024	13:42	24.35	12.9	55.2	7.18	1,169.1	0.89	53.70	-47.5
APW11	4/4/2024	13:45	24.35	12.8	55.0	7.18	1,170.6	1.01	51.50	-47.6
APW11	4/4/2024	13:48	24.35	12.9	55.2	7.18	1,169.0	0.85	47.34	-47.5
APW11	4/4/2024	13:51	24.35	12.9	55.2	7.18	1,169.4	0.93	41.79	-47.9
APW11	4/4/2024	13:54	24.35	13.0	55.4	7.18	1,169.1	0.86	40.27	-48.1
APW11	4/4/2024	13:57	24.35	12.9	55.2	7.18	1,168.3	0.94	41.35	-48.3
APW11	4/4/2024	14:00	24.35	12.9	55.2	7.18	1,168.9	0.87	40.39	-48.2

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW12	4/4/2024	12:45	14.75	12.1	53.8	6.52	1,909.3	1.09	2.29	6.7
APW12	4/4/2024	12:48	14.75	12.3	54.1	6.51	1,954.9	1.00	2.78	14.1
APW12	4/4/2024	12:51	14.75	12.2	54.0	6.52	1,982.9	0.94	2.67	18.4
APW12	4/4/2024	12:54	14.75	12.1	53.8	6.52	1,995.4	0.90	2.09	21.0

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW13	4/8/2024	12:58	32.24	15.5	59.9	7.06	1,418.1	1.76	6.05	4.3
APW13	4/8/2024	13:01	32.24	15.4	59.7	7.06	1,416.0	1.66	6.34	-10.1
APW13	4/8/2024	13:04	32.24	15.4	59.7	7.06	1,418.4	1.66	37.52	-24.5
APW13	4/8/2024	13:07	32.24	15.5	59.9	7.06	1,415.5	1.46	84.22	-39.8
APW13	4/8/2024	13:10	32.24	15.4	59.7	7.06	1,416.7	1.42	138.81	-50.2
APW13	4/8/2024	13:13	32.24	15.2	59.4	7.06	1,417.4	0.44	3.26	-57.0
APW13	4/8/2024	13:16	32.24	14.9	58.8	7.07	1,415.9	0.34	9.35	-61.2
APW13	4/8/2024	13:19	32.24	15.0	59.0	7.07	1,414.8	0.31	19.45	-64.5

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW14	4/4/2024	14:18	20.70	12.4	54.3	7.17	1,603.6	0.50	5.44	-52.3
APW14	4/4/2024	14:21	20.70	12.5	54.5	7.17	1,600.9	0.38	4.24	-62.9
APW14	4/4/2024	14:24	20.70	12.6	54.7	7.17	1,600.6	0.32	3.55	-71.5
APW14	4/4/2024	14:27	20.70	12.6	54.7	7.18	1,599.0	0.29	2.96	-78.2

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW15	4/4/2024	10:27	20.96	12.5	54.5	7.01	2,109.0	0.13	95.71	-136.0
APW15	4/4/2024	10:30	20.96	12.5	54.5	7.01	2,108.7	0.12	122.54	-137.1
APW15	4/4/2024	10:33	20.96	12.4	54.3	7.00	2,108.3	0.11	98.70	-137.8
APW15	4/4/2024	10:36	20.96	12.5	54.5	7.00	2,111.0	0.11	143.32	-138.2
APW15	4/4/2024	10:39	20.96	12.5	54.5	7.00	2,108.1	0.10	119.09	-138.8
APW15	4/4/2024	10:42	20.96	12.4	54.3	7.00	2,110.0	0.10	94.05	-139.0
APW15	4/4/2024	10:45	20.96	12.5	54.5	6.99	2,107.5	0.10	154.11	-139.3
APW15	4/4/2024	10:48	20.96	12.5	54.5	6.99	2,105.3	0.10	180.63	-139.3

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW16	4/4/2024	11:28	40.14	12.7	54.9	7.30	1,364.3	0.55	6.88	-91.4
APW16	4/4/2024	11:31	40.14	12.7	54.9	7.31	1,369.3	0.41	5.77	-108.0
APW16	4/4/2024	11:34	40.14	12.6	54.7	7.31	1,371.8	0.35	4.99	-116.4
APW16	4/4/2024	11:37	40.14	12.7	54.9	7.31	1,373.1	0.31	5.26	-122.0
APW16	4/4/2024	11:40	40.14	12.7	54.9	7.31	1,372.7	0.29	6.23	-125.7
APW16	4/4/2024	11:43	40.14	12.7	54.9	7.31	1,374.4	0.27	6.37	-128.5

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW17	4/4/2024	12:29	41.25	12.7	54.9	7.29	1,256.6	0.57	28.29	-25.7
APW17	4/4/2024	12:32	41.25	12.7	54.9	7.29	1,252.7	0.44	22.16	-45.1
APW17	4/4/2024	12:35	41.25	12.8	55.0	7.30	1,248.9	0.37	21.76	-62.9
APW17	4/4/2024	12:38	41.25	12.9	55.2	7.30	1,246.8	0.34	19.79	-76.3

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW18	4/4/2024	13:14	51.81	12.9	55.2	7.51	1,067.4	1.26	14.02	-58.2
APW18	4/4/2024	13:17	51.81	12.9	55.2	7.54	1,064.2	0.68	21.37	-99.7
APW18	4/4/2024	13:20	51.81	12.8	55.0	7.55	1,065.2	0.46	22.22	-118.9
APW18	4/4/2024	13:23	51.81	12.9	55.2	7.55	1,063.4	0.35	16.17	-127.9
APW18	4/4/2024	13:26	51.81	12.9	55.2	7.55	1,064.7	0.30	13.08	-133.9
APW18	4/4/2024	13:29	51.81	12.9	55.2	7.55	1,064.4	0.27	12.04	-138.7
APW18	4/4/2024	13:32	51.81	12.9	55.2	7.55	1,063.0	0.25	10.64	-141.9
APW18	4/4/2024	13:35	51.81	12.9	55.2	7.55	1,065.9	0.24	14.35	-144.3

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G104	4/8/2024	12:42	4.45	17.0	62.6	6.93	1,131.8	3.58	25.72	117.1
G104	4/8/2024	12:45	4.45	17.1	62.8	6.86	1,140.4	3.04	16.28	115.2
G104	4/8/2024	12:48	4.45	16.6	61.9	6.84	1,148.0	2.63	24.18	113.1
G104	4/8/2024	12:51	4.45	16.4	61.5	6.86	1,158.2	4.48	5.17	112.9
G104	4/8/2024	12:54	4.45	16.0	60.8	6.87	1,149.8	5.43	27.72	114.1
G104	4/8/2024	12:57	4.45	16.2	61.2	6.84	1,144.9	4.68	45.54	115.3
G104	4/8/2024	13:00	4.45	16.3	61.3	6.83	1,145.9	3.89	56.64	115.6
G104	4/8/2024	13:03	4.45	16.1	61.0	6.82	1,150.0	3.74	59.11	115.7
G104	4/8/2024	13:06	4.45	16.2	61.2	6.81	1,146.2	3.44	52.85	115.7

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G105	4/3/2024	14:26	8.41	11.0	51.8	6.91	1,932.5	2.35	94.76	-26.3
G105	4/3/2024	14:29	8.41	10.5	50.9	6.91	1,905.4	2.03	83.74	-30.1
G105	4/3/2024	14:32	8.41	9.7	49.5	6.91	1,885.4	1.94	76.68	-29.4
G105	4/3/2024	14:35	8.41	9.8	49.6	6.91	1,838.6	1.83	76.71	-27.1
G105	4/3/2024	14:38	8.41	11.0	51.8	6.90	1,848.4	1.61	64.01	-21.0
G105	4/3/2024	14:41	8.41	10.8	51.4	6.90	1,857.6	1.53	65.12	-17.9
G105	4/3/2024	14:44	8.41	10.1	50.2	6.90	1,854.1	1.52	58.30	-15.5
G105	4/3/2024	14:47	8.41	9.7	49.5	6.90	1,847.4	1.50	54.43	-12.6
G105	4/3/2024	14:50	8.41	8.9	48.0	6.90	1,845.3	1.49	51.75	-9.7
G105	4/3/2024	14:53	8.41	8.3	46.9	6.90	1,839.7	1.49	47.80	-6.2
G105	4/3/2024	14:56	8.41	10.6	51.1	6.89	1,783.5	1.39	46.34	-2.8
G105	4/3/2024	14:59	8.41	10.8	51.4	6.89	1,826.7	1.35	41.70	1.5
G105	4/3/2024	15:02	8.41	10.4	50.7	6.89	1,833.0	1.34	40.48	4.7
G105	4/3/2024	15:05	8.41	9.6	49.3	6.90	1,832.1	1.36	39.06	6.9
G105	4/3/2024	15:08	8.41	9.8	49.6	6.90	1,817.4	1.33	38.35	6.6

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G106	4/3/2024	11:22	24.00	10.4	50.7	6.94	3,508.6	7.67	36.78	72.2
G106	4/3/2024	11:25	24.00	10.2	50.4	6.81	3,563.5	6.72	228.55	39.7
G106	4/3/2024	11:28	24.00	10.2	50.4	6.76	3,596.7	4.31	370.53	30.6
G106	4/3/2024	11:31	24.00	10.4	50.7	6.73	3,587.9	3.16	382.40	28.5
G106	4/3/2024	11:34	24.00	10.4	50.7	6.73	3,569.0	2.49	411.43	27.6
G106	4/3/2024	11:37	24.00	10.4	50.7	6.72	3,560.4	2.14	412.04	26.8
G106	4/3/2024	11:40	24.00	10.1	50.2	6.72	3,553.0	1.92	371.53	26.9
G106	4/3/2024	11:43	24.00	9.8	49.6	6.72	3,539.7	1.78	323.10	27.7
G106	4/3/2024	11:46	24.00	9.9	49.8	6.72	3,529.9	1.68	292.32	28.5
G106	4/3/2024	11:49	24.00	10.0	50.0	6.72	3,520.7	1.61	250.43	29.5
G106	4/3/2024	11:52	24.00	10.1	50.2	6.72	3,514.3	1.52	226.65	30.3
G106	4/3/2024	11:55	24.00	9.9	49.8	6.73	3,506.7	1.47	189.81	31.2
G106	4/3/2024	11:58	24.00	9.7	49.5	6.73	3,503.6	1.42	146.23	32.0
G106	4/3/2024	12:01	24.00	9.3	48.7	6.73	3,499.2	1.40	162.19	32.5
G106	4/3/2024	12:04	24.00	8.9	48.0	6.73	3,492.9	1.38	140.40	33.1
G106	4/3/2024	12:07	24.00	9.0	48.2	6.73	3,478.1	1.34	136.80	33.6
G106	4/3/2024	12:10	24.00	9.3	48.7	6.73	3,474.2	1.30	124.32	33.8
G106	4/3/2024	12:13	24.00	9.5	49.1	6.73	3,472.2	1.28	118.12	33.9
G106	4/3/2024	12:16	24.00	9.7	49.5	6.73	3,468.1	1.25	116.13	33.8
G106	4/3/2024	12:19	24.00	9.7	49.5	6.73	3,469.3	1.23	109.87	33.8
G106	4/3/2024	12:22	24.00	9.6	49.3	6.73	3,468.5	1.22	112.48	34.0
G106	4/3/2024	12:25	24.00	9.6	49.3	6.73	3,468.0	1.21	118.36	33.9
G106	4/3/2024	12:28	24.00	9.5	49.1	6.73	3,462.8	1.19	117.24	33.8
G106	4/3/2024	12:31	24.00	9.2	48.6	6.73	3,471.5	1.19	115.36	33.5

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G116	4/10/2024	10:39	6.43	12.1	53.8	6.75	756.8	3.38	10.56	133.5
G116	4/10/2024	10:42	6.43	12.1	53.8	6.75	754.1	3.32	9.84	133.7
G116	4/10/2024	10:45	6.43	12.0	53.6	6.74	753.1	3.30	13.65	133.8
G116	4/10/2024	10:48	6.43	12.0	53.6	6.75	752.8	3.26	12.58	133.9
G116	4/10/2024	10:51	6.43	12.0	53.6	6.74	752.4	3.25	12.96	134.5

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G125	4/3/2024	13:15	3.86	11.6	52.9	6.81	3,405.5	2.47	117.25	89.2
G125	4/3/2024	13:18	3.86	11.5	52.7	6.81	3,403.4	2.40	121.37	91.2
G125	4/3/2024	13:21	3.86	11.4	52.5	6.81	3,403.9	2.34	123.74	93.4
G125	4/3/2024	13:24	3.86	11.3	52.3	6.81	3,404.8	2.28	132.57	95.4
G125	4/3/2024	13:27	3.86	11.3	52.3	6.81	3,403.7	2.24	133.45	97.1
G125	4/3/2024	13:30	3.86	11.1	52.0	6.81	3,403.7	2.20	136.92	98.6
G125	4/3/2024	13:33	3.86	11.0	51.8	6.81	3,403.2	2.17	135.55	99.6
G125	4/3/2024	13:36	3.86	10.9	51.6	6.81	3,404.6	2.15	139.56	100.7
G125	4/3/2024	13:39	3.86	10.9	51.6	6.82	3,406.1	2.12	142.64	102.2
G125	4/3/2024	13:42	3.86	10.9	51.6	6.82	3,406.6	2.11	143.14	103.4
G125	4/3/2024	13:45	3.86	10.9	51.6	6.82	3,406.5	2.10	145.09	103.8
G125	4/3/2024	13:48	3.86	7.9	46.2	6.84	3,393.7	2.55	186.33	94.0
G125	4/3/2024	13:51	3.86	7.1	44.8	6.84	3,450.5	2.62	200.16	89.1
G125	4/3/2024	13:54	3.86	8.3	46.9	6.84	3,369.5	2.58	194.19	82.8
G125	4/3/2024	13:57	3.86	10.3	50.5	6.81	3,308.8	2.35	199.71	76.3
G125	4/3/2024	14:00	3.86	10.6	51.1	6.81	3,385.5	1.93	197.77	69.1

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G128	4/10/2024	9:47	4.40	13.1	55.6	6.68	17,264.8	2.77	12.85	108.3
G128	4/10/2024	9:50	4.40	13.3	55.9	6.68	17,255.8	2.33	12.00	108.2
G128	4/10/2024	9:53	4.40	13.6	56.5	6.69	17,256.6	2.21	14.10	107.9
G128	4/10/2024	9:56	4.40	13.9	57.0	6.69	17,259.7	2.25	18.96	107.5

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G130	4/9/2024	13:54	4.63	14.3	57.7	6.28	11,978.9	0.95	18.02	77.6
G130	4/9/2024	13:57	4.63	14.4	57.9	6.28	11,981.6	0.77	14.72	76.2
G130	4/9/2024	14:00	4.63	14.5	58.1	6.28	11,969.2	0.68	12.83	75.2
G130	4/9/2024	14:03	4.63	14.8	58.6	6.28	11,968.0	0.63	10.75	74.6
G130	4/9/2024	14:06	4.63	15.0	59.0	6.27	11,978.6	0.59	8.30	74.2

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G133	4/9/2024	15:00	9.12	18.5	65.3	6.83	5,702.9	5.88	69.65	62.2
G133	4/9/2024	15:03	9.12	18.7	65.7	6.87	5,480.0	6.21	54.62	61.7
G133	4/9/2024	15:06	9.12	18.8	65.8	6.89	5,357.2	6.39	46.15	61.7
G133	4/9/2024	15:09	9.12	18.9	66.0	6.90	5,319.5	6.53	39.31	62.1
G133	4/9/2024	15:12	9.12	19.1	66.4	6.90	5,358.8	6.68	31.65	62.6
G133	4/9/2024	15:15	9.12	19.2	66.6	6.89	5,416.6	6.77	27.82	63.4
G133	4/9/2024	15:18	9.12	19.3	66.7	6.88	5,589.3	6.87	23.05	64.5

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G136	4/10/2024	10:33	7.37	12.8	55.0	6.77	7,484.5	3.21	9.62	49.7
G136	4/10/2024	10:36	7.37	12.8	55.0	6.77	7,341.8	3.07	10.10	48.8
G136	4/10/2024	10:39	7.37	12.7	54.9	6.78	6,874.3	2.80	7.03	46.9
G136	4/10/2024	10:42	7.37	12.8	55.0	6.82	6,223.7	2.63	7.29	43.5
G136	4/10/2024	10:45	7.37	12.8	55.0	6.86	5,638.3	2.47	6.37	41.4
G136	4/10/2024	10:48	7.37	12.7	54.9	6.92	5,230.8	2.35	4.75	39.6

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G139	4/9/2024	13:06	6.01	15.5	59.9	6.74	4,718.4	1.51	6.98	50.9
G139	4/9/2024	13:09	6.01	15.5	59.9	6.74	4,745.5	1.33	5.96	49.6
G139	4/9/2024	13:12	6.01	15.3	59.5	6.74	4,754.3	1.19	4.93	48.6
G139	4/9/2024	13:15	6.01	15.2	59.4	6.74	4,750.8	1.08	5.05	47.8
G139	4/9/2024	13:18	6.01	15.2	59.4	6.74	4,748.7	1.00	4.25	47.0
G139	4/9/2024	13:21	6.01	15.2	59.4	6.74	4,734.5	0.94	3.78	46.3

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G141	4/9/2024	14:30	11.39	13.4	56.1	6.69	1,518.1	1.96	28.64	143.6
G141	4/9/2024	14:33	11.39	13.4	56.1	6.69	1,516.3	1.93	21.86	143.1
G141	4/9/2024	14:36	11.39	13.3	55.9	6.70	1,515.4	1.91	22.36	142.8
G141	4/9/2024	14:39	11.39	13.3	55.9	6.71	1,514.9	1.88	23.40	142.4

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G208	4/1/2024	Unable to sample/ measure								

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G217S	4/9/2024	13:29	6.23	13.0	55.4	6.46	4,196.6	1.56	19.60	174.6
G217S	4/9/2024	13:32	6.23	12.9	55.2	6.46	4,197.5	1.48	11.69	174.2
G217S	4/9/2024	13:35	6.23	12.9	55.2	6.45	4,198.6	1.33	8.68	174.0
G217S	4/9/2024	13:38	6.23	12.8	55.0	6.45	1,498.9	1.31	7.66	173.6
G217S	4/9/2024	13:41	6.23	12.8	55.0	6.45	1,499.3	1.30	8.41	173.2

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G218	4/1/2024	14:12	19.33	DTW Only						

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G220	4/1/2024	14:09	18.14	DTW Only						

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G221	4/3/2024	9:56	24.50	11.8	53.2	7.09	1,349.7	4.00	49.78	-70.8
G221	4/3/2024	9:59	24.50	12.4	54.3	7.03	1,357.4	2.13	53.16	-83.9
G221	4/3/2024	10:02	24.50	12.5	54.5	6.99	1,356.4	1.42	71.72	-88.7
G221	4/3/2024	10:05	24.50	12.4	54.3	6.98	1,352.7	1.13	140.64	-91.3
G221	4/3/2024	10:08	24.50	12.1	53.8	6.97	1,349.8	1.04	170.61	-91.7
G221	4/3/2024	10:11	24.50	11.7	53.1	6.97	1,348.2	0.97	245.77	-90.0
G221	4/3/2024	10:14	24.50	11.3	52.3	6.97	1,344.5	0.93	293.60	-89.9
G221	4/3/2024	10:17	24.50	10.9	51.6	6.97	1,346.1	0.90	345.12	-90.6
G221	4/3/2024	10:20	24.50	10.3	50.5	6.98	1,345.8	0.88	374.92	-92.4
G221	4/3/2024	10:23	24.50	9.9	49.8	6.98	1,340.1	0.86	400.85	-93.9
G221	4/3/2024	10:26	24.50	9.8	49.6	6.98	1,338.9	0.84	362.61	-95.3
G221	4/3/2024	10:29	24.50	9.6	49.3	6.98	1,340.3	0.81	328.69	-95.9
G221	4/3/2024	10:32	24.50	9.4	48.9	6.98	1,340.2	0.80	285.87	-95.8
G221	4/3/2024	10:35	24.50	9.1	48.4	6.98	1,342.7	0.80	287.11	-95.4
G221	4/3/2024	10:38	24.50	9.1	48.4	6.98	1,339.5	0.78	269.28	-94.9

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G222	4/1/2024	13:53	17.23	DTW Only						

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G223	4/1/2024	14:18	32.81	DTW Only						

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G224	4/1/2024	14:40	42.40	DTW Only						

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G225	4/2/2024	12:19	7.45	14.0	57.2	7.24	1,204.5	5.25	31.18	48.6
G225	4/2/2024	12:22	7.45	14.1	57.4	7.25	1,190.0	5.29	27.62	42.2
G225	4/2/2024	12:25	7.45	14.1	57.4	7.26	1,186.3	5.35	31.12	43.3
G225	4/2/2024	12:28	7.45	14.1	57.4	7.26	1,194.7	5.31	49.82	39.1
G225	4/2/2024	12:31	7.45	14.3	57.7	7.25	1,201.4	5.21	38.53	34.5
G225	4/2/2024	12:34	7.45	14.6	58.3	7.25	1,208.1	5.14	35.77	31.8
G225	4/2/2024	12:37	7.45	14.6	58.3	7.24	1,226.7	5.04	25.73	29.7
G225	4/2/2024	12:40	7.45	14.6	58.3	7.24	1,238.6	4.90	25.37	27.4
G225	4/2/2024	12:43	7.45	15.0	59.0	7.23	1,248.3	4.73	24.34	25.8
G225	4/2/2024	12:46	7.45	15.6	60.1	7.23	1,259.9	4.56	25.08	23.6
G225	4/2/2024	12:49	7.45	15.5	59.9	7.23	1,264.6	4.42	22.93	21.9
G225	4/2/2024	12:52	7.45	15.3	59.5	7.23	1,264.9	4.36	22.26	22.4

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G230	4/2/2024	10:16	47.60	14.4	57.9	7.39	1,471.8	0.48	215.23	-108.7
G230	4/2/2024	10:19	47.60	14.5	58.1	7.39	1,458.1	0.59	372.97	-110.3
G230	4/2/2024	10:22	47.60	14.5	58.1	7.39	1,447.8	0.47	167.00	-110.2
G230	4/2/2024	10:25	47.60	14.6	58.3	7.39	1,432.7	0.55	205.16	-111.9
G230	4/2/2024	10:28	47.60	14.8	58.6	7.39	1,419.5	0.49	204.03	-113.0
G230	4/2/2024	10:31	47.60	14.8	58.6	7.39	1,408.2	0.46	169.79	-113.5
G230	4/2/2024	10:34	47.60	14.8	58.6	7.39	1,397.7	0.47	192.63	-114.7

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G231	4/2/2024	11:37	46.92	15.2	59.4	7.47	1,377.1	1.11	155.49	-95.2
G231	4/2/2024	11:40	46.92	15.1	59.2	7.47	1,370.7	1.09	143.26	-95.1
G231	4/2/2024	11:43	46.92	15.0	59.0	7.47	1,364.2	1.04	147.19	-95.0
G231	4/2/2024	11:46	46.92	15.0	59.0	7.47	1,357.5	1.00	149.00	-94.9
G231	4/2/2024	11:49	46.92	14.9	58.8	7.47	1,352.7	1.04	124.29	-95.1
G231	4/2/2024	11:52	46.92	14.9	58.8	7.47	1,345.9	1.02	131.63	-94.5
G231	4/2/2024	11:55	46.92	14.9	58.8	7.47	1,341.5	0.99	149.65	-94.0
G231	4/2/2024	11:58	46.92	14.9	58.8	7.47	1,336.0	0.95	176.23	-92.7
G231	4/2/2024	12:01	46.92	14.9	58.8	7.46	1,330.8	0.94	186.73	-91.6
G231	4/2/2024	12:04	46.92	14.9	58.8	7.46	1,325.8	0.91	130.56	-90.6
G231	4/2/2024	12:07	46.92	14.8	58.6	7.46	1,322.2	0.90	138.53	-90.4
G231	4/2/2024	12:10	46.92	14.8	58.6	7.46	1,317.8	0.89	142.46	-90.0
G231	4/2/2024	12:13	46.92	14.9	58.8	7.46	1,312.9	0.88	159.06	-89.4

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G232	4/2/2024	12:58	45.35	15.1	59.2	7.40	1,318.4	0.51	85.36	-109.0
G232	4/2/2024	13:01	45.35	15.0	59.0	7.41	1,298.9	0.50	54.50	-109.6
G232	4/2/2024	13:04	45.35	15.0	59.0	7.41	1,282.9	0.49	115.12	-109.9
G232	4/2/2024	13:07	45.35	15.0	59.0	7.41	1,267.2	0.49	78.07	-110.3
G232	4/2/2024	13:10	45.35	15.1	59.2	7.40	1,251.4	0.49	65.14	-110.7
G232	4/2/2024	13:13	45.35	15.4	59.7	7.40	1,239.1	0.47	26.83	-111.2
G232	4/2/2024	13:16	45.35	15.4	59.7	7.40	1,229.7	0.48	57.59	-111.7
G232	4/2/2024	13:19	45.35	15.4	59.7	7.40	1,224.2	0.49	49.58	-112.0
G232	4/2/2024	13:22	45.35	15.4	59.7	7.40	1,213.6	0.48	37.19	-112.2
G232	4/2/2024	13:25	45.35	15.6	60.1	7.40	1,206.7	0.50	53.49	-112.3
G232	4/2/2024	13:28	45.35	15.4	59.7	7.40	1,201.4	0.47	30.21	-112.6
G232	4/2/2024	13:31	45.35	15.5	59.9	7.40	1,193.5	0.44	35.17	-112.4
G232	4/2/2024	13:34	45.35	15.5	59.9	7.40	1,188.0	0.48	43.46	-112.7

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G233	4/2/2024	13:57	41.60	14.9	58.8	7.26	1,900.5	0.76	41.94	-70.1
G233	4/2/2024	14:14	41.60	14.4	57.9	7.29	1,589.3	0.46	41.60	-121.3
G233	4/2/2024	14:17	41.60	14.5	58.1	7.30	1,525.8	0.46	85.36	-122.5
G233	4/2/2024	14:20	41.60	14.5	58.1	7.31	1,475.3	0.46	108.92	-123.3
G233	4/2/2024	14:23	41.60	14.6	58.3	7.32	1,429.3	0.40	123.84	-124.0
G233	4/2/2024	14:26	41.60	14.6	58.3	7.33	1,400.0	0.38	117.43	-124.6
G233	4/2/2024	14:29	41.60	14.6	58.3	7.33	1,376.3	0.39	40.78	-125.1
G233	4/2/2024	14:32	41.60	14.7	58.5	7.34	1,359.7	0.41	55.93	-125.2
G233	4/2/2024	14:35	41.60	14.6	58.3	7.34	1,334.9	0.42	55.34	-125.3
G233	4/2/2024	14:38	41.60	14.5	58.1	7.34	1,321.7	0.44	60.53	-125.1
G233	4/2/2024	14:41	41.60	14.5	58.1	7.35	1,317.2	0.38	42.98	-124.8

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G234	4/3/2024	9:10	43.20	13.0	55.4	7.41	1,275.6	0.58	64.84	-106.4
G234	4/3/2024	9:13	43.20	13.2	55.8	7.41	1,261.3	0.54	103.56	-111.4
G234	4/3/2024	9:16	43.20	13.3	55.9	7.41	1,250.0	0.52	41.69	-114.3
G234	4/3/2024	9:19	43.20	13.1	55.6	7.41	1,241.4	0.48	63.43	-114.8
G234	4/3/2024	9:22	43.20	13.0	55.4	7.41	1,229.1	0.46	64.34	-116.6
G234	4/3/2024	9:25	43.20	13.2	55.8	7.41	1,221.9	0.43	49.84	-118.1
G234	4/3/2024	9:28	43.20	13.2	55.8	7.42	1,217.1	0.41	57.27	-119.9
G234	4/3/2024	9:31	43.20	13.2	55.8	7.42	1,205.2	0.40	43.02	-119.9
G234	4/3/2024	9:34	43.20	13.1	55.6	7.42	1,199.1	0.40	68.25	-120.0
G234	4/3/2024	9:37	43.20	13.1	55.6	7.42	1,198.2	0.40	53.60	-120.2
G234	4/3/2024	9:40	43.20	13.1	55.6	7.42	1,188.7	0.40	131.60	-121.6
G234	4/3/2024	9:43	43.20	13.0	55.4	7.42	1,186.7	0.40	70.93	-122.2
G234	4/3/2024	9:46	43.20	13.0	55.4	7.42	1,184.0	0.39	151.73	-122.5
G234	4/3/2024	9:49	43.20	13.0	55.4	7.42	1,179.3	0.33	143.50	-122.7
G234	4/3/2024	9:52	43.20	13.0	55.4	7.42	1,177.9	0.33	40.93	-123.2
G234	4/3/2024	9:55	43.20	12.9	55.2	7.42	1,172.8	0.32	51.31	-123.1
G234	4/3/2024	9:58	43.20	13.1	55.6	7.42	1,173.9	0.32	44.32	-123.1

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L1R	4/8/2024	13:54	54.72	17.1	62.8	9.86	43,108.3	4.86	86.90	-44.1

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L201	4/1/2024	14:53	35.63	DTW Only						

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L202	4/1/2024	14:50	37.45	DTW Only						

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L203	4/1/2024	14:57	29.99	DTW Only						

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L204	4/1/2024	14:45	48.03	DTW Only						

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L205	4/1/2024	15:01	32.04	DTW Only						

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L301	Unable to sample/measure									

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
	Unable to sample/measure									

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R217D	4/8/2024	11:47	18.09	18.4	65.1	6.53	3,196.6	3.61	33.06	22.6
R217D	4/8/2024	11:50	18.09	18.4	65.1	6.49	3,208.8	2.82	32.74	11.0
R217D	4/8/2024	11:53	18.09	18.4	65.1	6.46	3,212.1	2.03	28.20	5.7

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R219	4/9/2024	13:58	20.22	11.9	53.4	7.02	1,285.6	1.68	26.89	125.6
R219	4/9/2024	14:01	20.22	11.9	53.4	7.02	1,285.1	1.65	25.84	125.4
R219	4/9/2024	14:04	20.22	11.9	53.4	7.02	1,284.9	1.63	27.89	124.5
R219	4/9/2024	14:07	20.22	11.9	53.4	7.01	1,284.4	1.61	28.86	124.1

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
S101	4/8/2024	12:15		21.4	70.5	7.62	423.8	10.11	15.58	65.7

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
S102	4/8/2024	12:27		16.0	60.8	7.43	312.3	9.02	22.20	90.4

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG02	4/1/2024	15:20	2.40	DTW Only						

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T101	4/2/2024	11:26	5.92	14.8	58.6	6.82	365.2	4.30	48.07	169.4
T101	4/2/2024	11:29	5.92	14.6	58.3	6.82	367.0	4.31	38.83	176.8
T101	4/2/2024	11:32	5.92	14.6	58.3	6.82	368.3	4.27	34.18	182.0
T101	4/2/2024	11:35	5.92	14.5	58.1	6.82	369.2	4.23	28.58	185.7
T101	4/2/2024	11:38	5.92	14.2	57.6	6.82	369.7	4.15	26.19	188.7
T101	4/2/2024	11:41	5.92	14.2	57.6	6.82	371.7	4.08	27.38	191.4
T101	4/2/2024	11:44	5.92	14.1	57.4	6.82	372.9	4.03	26.27	193.2
T101	4/2/2024	11:47	5.92	14.0	57.2	6.82	375.4	3.99	26.45	194.6

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T102	4/2/2024	10:22	5.48	14.0	57.2	6.53	459.4	4.45	24.62	226.1
T102	4/2/2024	10:25	5.48	13.4	56.1	6.53	459.5	3.76	17.14	225.2
T102	4/2/2024	10:28	5.48	13.7	56.7	6.52	457.3	3.43	16.74	223.2
T102	4/2/2024	10:31	5.48	13.7	56.7	6.53	458.0	3.30	16.26	220.9
T102	4/2/2024	10:34	5.48	13.7	56.7	6.54	457.6	3.10	14.89	218.9
T102	4/2/2024	10:37	5.48	13.6	56.5	6.54	457.9	2.97	15.23	216.8
T102	4/2/2024	10:40	5.48	14.0	57.2	6.54	456.7	2.81	21.04	212.8
T102	4/2/2024	10:43	5.48	13.9	57.0	6.56	455.0	2.62	211.71	210.3

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW01	4/4/2024	9:46	9.03	13.3	55.9	12.68	9,674.6	0.68	52.71	-212.7
XPW01	4/4/2024	9:49	9.03	13.4	56.1	12.69	9,675.5	0.65	38.91	-213.3
XPW01	4/4/2024	9:52	9.03	13.5	56.3	12.69	9,680.0	0.63	28.82	-216.3
XPW01	4/4/2024	9:55	9.03	13.5	56.3	12.69	9,690.9	0.61	20.79	-218.8
XPW01	4/4/2024	9:58	9.03	13.7	56.7	12.69	9,684.4	0.60	16.85	-220.9
XPW01	4/4/2024	10:01	9.03	13.7	56.7	12.69	9,705.4	0.59	13.93	-225.3
XPW01	4/4/2024	10:04	9.03	13.6	56.5	12.70	9,696.7	0.58	12.99	-228.1
XPW01	4/4/2024	10:07	9.03	13.5	56.3	12.70	9,694.8	0.58	11.96	-231.1
XPW01	4/4/2024	10:10	9.03	13.5	56.3	12.70	9,692.0	0.57	11.29	-233.3
XPW01	4/4/2024	10:13	9.03	13.4	56.1	12.71	9,711.1	0.57	9.97	-234.9
XPW01	4/4/2024	10:16	9.03	13.4	56.1	12.71	9,705.9	0.56	10.17	-237.0
XPW01	4/4/2024	10:19	9.03	13.4	56.1	12.71	9,703.5	0.56	11.59	-239.8
XPW01	4/4/2024	10:22	9.03	13.4	56.1	12.71	9,708.4	0.55	10.28	-241.3
XPW01	4/4/2024	10:25	9.03	13.4	56.1	12.71	9,698.3	0.55	9.75	-243.0
XPW01	4/4/2024	10:28	9.03	13.7	56.7	12.70	9,679.1	0.54	8.86	-245.0
XPW01	4/4/2024	10:31	9.03	13.7	56.7	12.70	9,693.0	0.54	8.23	-246.6

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW02	4/4/2024	10:47	7.80	13.8	56.8	10.17	540.8	0.84	7.46	-237.6
XPW02	4/4/2024	10:50	7.80	13.9	57.0	10.13	537.2	0.76	6.05	-242.6
XPW02	4/4/2024	10:53	7.80	13.9	57.0	10.11	535.3	0.71	4.46	-246.0
XPW02	4/4/2024	10:56	7.80	14.0	57.2	10.09	534.5	0.69	4.09	-247.9
XPW02	4/4/2024	10:59	7.80	13.9	57.0	10.08	534.1	0.67	3.44	-249.5
XPW02	4/4/2024	11:02	7.80	14.0	57.2	10.06	533.0	0.65	2.42	-250.3
XPW02	4/4/2024	11:05	7.80	14.0	57.2	10.05	532.6	0.64	2.05	-250.6

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW03	4/4/2024	11:56	9.78	15.9	60.6	11.93	1,437.9	1.13	15.14	-200.8
XPW03	4/4/2024	11:59	9.78	15.6	60.1	11.94	1,408.3	0.91	13.60	-208.6
XPW03	4/4/2024	12:02	9.78	15.7	60.3	11.94	1,390.5	0.81	8.61	-213.2
XPW03	4/4/2024	12:05	9.78	15.7	60.3	11.94	1,386.6	0.75	7.74	-217.1
XPW03	4/4/2024	12:08	9.78	15.8	60.4	11.95	1,388.0	0.71	5.98	-219.6
XPW03	4/4/2024	12:11	9.78	15.8	60.4	11.95	1,393.5	0.69	4.88	-220.7
XPW03	4/4/2024	12:14	9.78	15.8	60.4	11.95	1,395.4	0.67	3.93	-220.8
XPW03	4/4/2024	12:17	9.78	15.8	60.4	11.96	1,395.3	0.66	3.12	-221.6
XPW03	4/4/2024	12:20	9.78	15.8	60.4	11.96	1,395.7	0.65	3.23	-222.2

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW04	4/4/2024	11:21	12.32	15.0	59.0	11.66	8,462.0	1.05	10.48	-252.1
XPW04	4/4/2024	11:24	12.32	15.0	59.0	11.71	8,417.5	0.77	9.29	-261.2
XPW04	4/4/2024	11:27	12.32	15.1	59.2	11.71	8,307.3	0.68	8.39	-265.5
XPW04	4/4/2024	11:30	12.32	15.1	59.2	11.72	8,180.9	0.64	5.92	-268.4
XPW04	4/4/2024	11:33	12.32	15.1	59.2	11.73	8,091.6	0.61	7.94	-270.5
XPW04	4/4/2024	11:36	12.32	15.1	59.2	11.73	8,039.6	0.59	8.68	-271.2
XPW04	4/4/2024	11:39	12.32	15.2	59.4	11.74	8,016.0	0.57	7.58	-272.2

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG01	4/1/2024	14:03	6.06	DTW Only						

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	4/10/2024	10:45	QA/QC Sample							

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
A213 Duplicate	4/9/2024	11:19	18.34	12.2	54.0	6.68	2,247.1	2.56	36.32	134.2
A213 Duplicate	4/9/2024	11:22	18.34	12.2	54.0	6.68	2,253.6	1.98	34.56	133.6
A213 Duplicate	4/9/2024	11:25	18.34	12.1	53.8	6.67	2,255.1	1.91	35.68	132.5
A213 Duplicate	4/9/2024	11:28	18.34	12.1	53.8	6.67	2,255.9	1.82	33.55	131.9

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW02 Duplicate	4/9/2024	11:44	3.93	15.7	60.3	6.57	5,423.6	1.81	4.53	47.4
APW02 Duplicate	4/9/2024	11:47	3.93	15.5	59.9	6.60	5,337.8	1.74	3.34	46.6
APW02 Duplicate	4/9/2024	11:50	3.93	15.1	59.2	6.68	5,196.8	1.83	2.89	45.9
APW02 Duplicate	4/9/2024	11:53	3.93	15.2	59.4	6.72	5,159.8	1.87	2.52	45.2
APW02 Duplicate	4/9/2024	11:56	3.93	15.3	59.5	6.73	5,148.2	1.84	2.11	44.6

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G104 Duplicate	4/8/2024	12:42	4.45	17.0	62.6	6.93	1,131.8	3.58	25.72	117.1
G104 Duplicate	4/8/2024	12:45	4.45	17.1	62.8	6.86	1,140.4	3.04	16.28	115.2
G104 Duplicate	4/8/2024	12:48	4.45	16.6	61.9	6.84	1,148.0	2.63	24.18	113.1
G104 Duplicate	4/8/2024	12:51	4.45	16.4	61.5	6.86	1,158.2	4.48	5.17	112.9
G104 Duplicate	4/8/2024	12:54	4.45	16.0	60.8	6.87	1,149.8	5.43	27.72	114.1
G104 Duplicate	4/8/2024	12:57	4.45	16.2	61.2	6.84	1,144.9	4.68	45.54	115.3
G104 Duplicate	4/8/2024	13:00	4.45	16.3	61.3	6.83	1,145.9	3.89	56.64	115.6
G104 Duplicate	4/8/2024	13:03	4.45	16.1	61.0	6.82	1,150.0	3.74	59.11	115.7
G104 Duplicate	4/8/2024	13:06	4.45	16.2	61.2	6.81	1,146.2	3.44	52.85	115.7

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 1	4/10/2024	15:16	QA/QC Sample							

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Newton- 2Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 4/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	4/2/24 9:26
7.0 Buffer	wc240307f	7.01	4/2/24 9:24
10.0 Buffer	wc231027d	9.99	4/2/24 9:28
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	4/2/24 9:31

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.09	4/2/24 9:31
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	4/2/24 9:35	17.6	7.01	1,413	0.9		
CCV-M-1	CCV	4/2/24 12:33	18	7.02	1,415	0.5		
CCV-1	CCV	4/2/24 15:09	17.8	7.03	1,418	0.11		

Comments:

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 4/3/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	4/3/24 8:34
7.0 Buffer	wc240307f	7.00	4/3/24 8:30
10.0 Buffer	wc231027d	9.98	4/3/24 8:39
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	4/3/24 8:46

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.08	4/3/24 8:46
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	4/3/24 8:49	12.1	7.01	1,413	0.93		
CCV-2	CCV	4/3/24 10:23	12.4	7.01	1,414	0.91		

Comments:

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Newton- 2Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 26599 Technician(s): Tracy Carroll Date: 4/4/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	4/4/24 9:25
7.0 Buffer	wc240307f	7.00	4/4/24 9:23
10.0 Buffer	wc231027d	10.00	4/4/24 9:32
LCS/CCV (7.0 Buffer)	wc23207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/4/24 9:35

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.42	4/4/24 9:32
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	4/4/24 9:42	15.4	6.99	1,412	1.42		
CCV-M-3	CCV	4/4/24 12:13	14.9	7.01	1,423	1.1		
CCV-3	CCV	4/4/24 15:04	14.5	7.05	1,458	1.77		

Comments:

Field Meter ID: Pine 26599 Technician(s): Tracy Carroll Date: 4/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	4/8/24 10:12
7.0 Buffer	wc240307f	7.00	4/8/24 10:11
10.0 Buffer	wc231027d	10.00	4/8/24 10:26
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/8/24 10:50

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	4/8/24 10:54	17.5	7.05	1,412	1.45		
CCV-4	CCV	4/8/24 14:42	21.9	7.04	1,281	1.66		

Comments:

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Newton- 2Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 26599 Technician(s): Tracy Carroll/Payton Yoch Date: 4/9/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.02	4/9/24 8:40
7.0 Buffer	wc240307f	7.03	4/9/24 8:39
10.0 Buffer	wc231027d	10.01	4/9/24 8:43
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/9/24 8:50

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	o.25	4/9/24 8:55
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	4/9/24 8:58	17.9	7.02	1,413	0.25		
CCV-M-5	CCV	4/9/24 12:04	21.2	7.01	1,423	0.3		
CCV-5	CCV	4/9/24 15:32	23.3	7.01	1,440	0.33		

Comments:

Field Meter ID: Pine 26599 Technician(s): Tracy Carroll/Payton Yoch Date: 4/10/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	4/10/24 9:09
7.0 Buffer	wc240307f	7.02	4/10/24 9:07
10.0 Buffer	wc231027d	10.00	4/10/24 9:12
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/10/24 9:19

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.1	4/10/24 9:20
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-6	LCS	4/10/24 9:22	16.7	7.07	1,412	1.1		
CCV-6	CCV	4/10/24 11:08	16.6	7.03	1,429	1.87	s	

Comments:

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Newton- 2Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 26599 Technician(s): Tracy Carroll/ Brett Gillihan Date: 4/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830B	3.95	4/2/24 9:33
7.0 Buffer	wc240307F	7.04	4/2/24 9:31
10.0 Buffer	WC231007D	10.00	4/2/24 9:35
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/2/24 9:41

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.12	4/2/24 9:49
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-7	LCS	4/2/24 9:48	16.1	7.08	1,412	0.15		
CCV-M-7	CCV	4/2/24 12:34	17.1	7.06	1,412	0.11		
CCV-7	CCV	4/2/24 15:01	17.7	7.02	1,413	0.14		

Comments:

Field Meter ID: Pine 26599 Technician(s): Brett Gillihan Date: 4/3/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830B	4.00	4/3/24 8:42
7.0 Buffer	wc240307F	7.03	4/3/24 8:39
10.0 Buffer	WC231007D	10.03	4/3/24 8:46
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	4/3/24 8:47

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.13	4/3/24 8:49
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-8	LCS	4/3/24 9:02	12.4	7.02	1,410	0.14		
CCV-8	CCV	4/3/24 15:13	13.5	7.03	1,412	0.15		

Comments:

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Newton- 2Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): Brett Gillihan Date: 4/4/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.01	4/4/24 9:22
7.0 Buffer	WC240307F	7.03	4/4/24 9:11
10.0 Buffer	WC231007D	10.04	4/4/24 9:25
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1415	4/4/24 9:26

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.1	4/4/24 9:27
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-9	LCS	4/4/24 9:32	13.53	7.01	1,408	0.14		
CCV-9	CCV	4/4/24 14:48	14.65	7.03	1,410	0.14		

Comments:

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 4/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830B	4.01	4/8/24 10:43
7.0 Buffer	wc240307F	7.01	4/8/24 10:42
10.0 Buffer	WC231007D	10.00	4/8/24 10:46
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1409	4/8/24 10:48

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.13	4/8/24 10:49
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-10	LCS	4/8/24 10:49	17.6	7.01	1,411	0.13		
CCV-10	CCV	4/8/24 14:40	20.8	7.04	1,389	0.19		

Comments:

Site Samping Event: Newton- 2Q24
LIMS Workorder: 24031341
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Newton- 2Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 4/9/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830B	4.01	4/9/24 9:03
7.0 Buffer	wc240307F	7.00	4/9/24 8:43
10.0 Buffer	WC231007D	9.98	4/9/24 9:03
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1405	4/9/24 9:03

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.17	4/9/24 9:03
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-11	LCS	4/9/24 9:04	17.3	7.01	1,405	0.17		
CCV-M-11	CCV	4/9/24 12:22	18.4	7.03	1,416	0.16		
CCV-11	CCV	4/9/24 14:55	19.8	7.04	1,410	0.17		

Comments:

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 4/10/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830B	3.98	4/10/24 9:29
7.0 Buffer	wc240307F	7.01	4/10/24 9:22
10.0 Buffer	WC231007D	9.99	4/10/24 9:38
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1406	4/10/24 9:45

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.23	4/10/24 9:45
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-12	LCS	4/10/24 9:49	15.8	7.01	1,409	0.23		
CCV-12	CCV	4/10/24 11:11	16.7	7.03	1,411	0.27		

Comments:

INSTRUMENT CALIBRATION REPORT

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St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 26599
Description YSI ProDSS
Calibrated 3/25/2024 12:25:29PM

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	96.9	99.3	-0.70%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		5/20/2024
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#3GJ0994	STL ORP SOLUTION 240MV L#3GJ0994	AquaPhoenix Scientific	ORP Solution	3GJ0994		7/25/2024
STL PH10 #3GK0004	STL PH10 #3GK0004	AquaPhoenix Scientific	PH 10	3GK0004		11/25/2025
STL PH4 L#3GH0675	STL pH4 L#3GH0675	AquaPhoenix Scientific	pH 4	3GH0675		8/25/2025
STL PH7 L#3GK1332	STL PH7 L#3GK1332	AquaPhoenix Scientific	PH7	3GK1332		11/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 26599
Description YSI ProDSS
Calibrated 3/25/2024 12:25:29PM

Manufacturer YSI
Model Number ProDSS
Serial Number/ Lot Number 15H101893
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.25	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.31	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.15	10.05	0.50%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.36	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	118.31	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.469	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	224.4	240.0	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218083
Description YSI Pro DSS Sonde
Calibrated 3/27/2024 5:59:58PM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	97.30	100.00	0.00%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		5/20/2024
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#3GJ0994	STL ORP SOLUTION 240MV L#3GJ0994	AquaPhoenix Scientific	ORP Solution	3GJ0994		7/25/2024
STL PH10 #3GK0004	STL PH10 #3GK0004	AquaPhoenix Scientific	PH 10	3GK0004		11/25/2025
STL PH4 L#3GH0675	STL pH4 L#3GH0675	AquaPhoenix Scientific	pH 4	3GH0675		8/25/2025
STL PH7 L#3GK1332	STL PH7 L#3GK1332	AquaPhoenix Scientific	PH7	3GK1332		11/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218083
Description YSI Pro DSS Sonde
Calibrated 3/27/2024 5:59:58PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 23F102674
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.30	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.31	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.24	10.05	0.50%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	FNU	0.00	FNU	0.59	0.00	0.00%	Pass
124.00 / 124.00	FNU	124.00	FNU	118.44	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.474	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	228.50	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

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

September 06, 2024

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

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: NEW-24Q3 **WorkOrder:** 24061026

Dear Eric Bauer:

TEKLAB, INC received 26 samples for NEW_257_501 on 8/8/2024 2:24:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Definitions

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: NEW-24Q3

Work Order: 24061026
Report Date: 06-Sep-24

Cooler Receipt Temp: 22.9 °C

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

Depth-only dates/time and APW17 collection time per field file. EAH 7/17/24

Per Eric Bauer's request, only NEW_257_501 data is included in this report. EAH 9/6/24

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-005 **Client Sample ID:** APW03

Matrix: GROUNDWATER **Collection Date:** 07/08/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.75**	ft	1	07/08/2024 12:11	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**57**	NTU	1	07/08/2024 12:11	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**84**	mV	1	07/08/2024 12:11	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**934**	µS/cm	1	07/08/2024 12:11	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**31.2**	°C	1	07/08/2024 12:11	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.98**	mg/L	1	07/08/2024 12:11	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**6.89**		1	07/08/2024 12:11	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**414**	mg/L	1	07/10/2024 11:19	R349993
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/10/2024 11:19	R349993
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**622**	mg/L	1	07/09/2024 11:57	R349980
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**130**	mg/L	5	07/09/2024 12:17	R349911
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.24**	mg/L	1	07/10/2024 12:06	R349987
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**10**	mg/L	1	07/09/2024 12:11	R349943
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**92.7**	mg/L	1	07/09/2024 14:59	224960
Magnesium	NELAP	0.006	0.050		**51.3**	mg/L	1	07/09/2024 14:59	224960
Potassium	NELAP	0.040	0.100		**0.739**	mg/L	1	07/09/2024 14:59	224960
Sodium	NELAP	0.018	0.050		**67.3**	mg/L	1	07/09/2024 14:59	224960
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.5**	µg/L	5	08/05/2024 20:41	226569
Arsenic	NELAP	0.4	1.0	J	**0.6**	µg/L	5	07/10/2024 15:37	224960
Barium	NELAP	0.7	1.0		**114**	µg/L	5	07/10/2024 15:37	224960
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	07/10/2024 15:37	224960
Boron	NELAP	9.2	25.0		**469**	µg/L	5	07/10/2024 15:37	224960
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	07/10/2024 15:37	224960
Chromium	NELAP	0.7	1.5	J	**1.3**	µg/L	5	07/10/2024 15:37	224960
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	07/10/2024 15:37	224960
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/10/2024 15:37	224960
Lithium	*	1.4	3.0		**11.4**	µg/L	5	07/10/2024 15:37	224960
Molybdenum	NELAP	0.6	1.5	J	**1.1**	µg/L	5	07/10/2024 15:37	224960
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/10/2024 15:37	224960
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	07/10/2024 15:37	224960

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-005
Client Sample ID: APW03
Matrix: GROUNDWATER
Collection Date: 07/08/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/09/2024 11:21	225412

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-006 **Client Sample ID:** APW04

Matrix: GROUNDWATER **Collection Date:** 07/08/2024 11:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.14**	ft	1	07/08/2024 11:25	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**52**	NTU	1	07/08/2024 11:25	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**79**	mV	1	07/08/2024 11:25	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2020**	µS/cm	1	07/08/2024 11:25	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**23.5**	°C	1	07/08/2024 11:25	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.53**	mg/L	1	07/08/2024 11:25	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**6.86**		1	07/08/2024 11:25	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**538**	mg/L	1	07/10/2024 11:05	R349993
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/10/2024 11:05	R349993
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1780**	mg/L	1	07/09/2024 12:15	R349980
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**832**	mg/L	50	07/09/2024 12:41	R349911
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.19**	mg/L	1	07/10/2024 12:08	R349987
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**35**	mg/L	1	07/09/2024 12:35	R349943
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**227**	mg/L	1	07/09/2024 15:00	224960
Magnesium	NELAP	0.006	0.050		**175**	mg/L	1	07/09/2024 15:00	224960
Potassium	NELAP	0.040	0.100		**1.78**	mg/L	1	07/09/2024 15:00	224960
Sodium	NELAP	0.018	0.050		**107**	mg/L	1	07/09/2024 15:00	224960
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**2.1**	µg/L	5	07/10/2024 15:42	224960
Arsenic	NELAP	0.4	1.0	J	**0.6**	µg/L	5	07/10/2024 15:42	224960
Barium	NELAP	0.7	1.0		**24.9**	µg/L	5	07/10/2024 15:42	224960
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	07/10/2024 15:42	224960
Boron	NELAP	9.2	25.0		**27.0**	µg/L	5	07/10/2024 15:42	224960
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	07/10/2024 15:42	224960
Chromium	NELAP	0.7	1.5		**2.6**	µg/L	5	07/11/2024 11:01	224960
Cobalt	NELAP	0.1	1.0	J	**0.6**	µg/L	5	07/10/2024 15:42	224960
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/10/2024 15:42	224960
Lithium	*	1.4	3.0		**21.0**	µg/L	5	07/10/2024 15:42	224960
Molybdenum	NELAP	0.6	1.5	J	**1.0**	µg/L	5	07/10/2024 15:42	224960
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/10/2024 15:42	224960
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	07/10/2024 15:42	224960

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-006
Client Sample ID: APW04
Matrix: GROUNDWATER
Collection Date: 07/08/2024 11:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/09/2024 11:23	225412

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-007 **Client Sample ID:** APW05

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 10:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**14.26**	ft	1	07/02/2024 10:13	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**21**	NTU	1	07/02/2024 10:13	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-153**	mV	1	07/02/2024 10:13	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**997**	µS/cm	1	07/02/2024 10:13	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.5**	°C	1	07/02/2024 10:13	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.24**	mg/L	1	07/02/2024 10:13	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**7.60**		1	07/02/2024 10:13	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**464**	mg/L	1	07/03/2024 9:42	R349737
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/03/2024 9:42	R349737
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**565**	mg/L	2.5	07/03/2024 11:12	R349790
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	S	**16**	mg/L	1	07/03/2024 16:42	R349714
Matrix spike did not recover within control limits due to matrix interference.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.53**	mg/L	1	07/03/2024 10:01	R349705
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**47**	mg/L	1	07/03/2024 16:41	R349718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**52.9**	mg/L	1	07/08/2024 16:36	225284
Magnesium	NELAP	0.006	0.050		**27.2**	mg/L	1	07/08/2024 16:36	225284
Potassium	NELAP	0.040	0.100		**1.51**	mg/L	1	07/08/2024 16:36	225284
Sodium	NELAP	0.018	0.050		**139**	mg/L	1	07/08/2024 16:36	225284
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.9**	µg/L	5	08/05/2024 21:43	226569
Arsenic	NELAP	0.4	1.0		**26.0**	µg/L	5	07/05/2024 22:02	225284
Barium	NELAP	0.7	1.0		**264**	µg/L	5	07/05/2024 22:02	225284
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	07/05/2024 22:02	225284
Boron	NELAP	9.2	25.0		**83.9**	µg/L	5	07/05/2024 22:02	225284
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	07/05/2024 22:02	225284
Chromium	NELAP	0.7	1.5	J	**0.8**	µg/L	5	07/05/2024 22:02	225284
Cobalt	NELAP	0.1	1.0	J	**0.3**	µg/L	5	07/05/2024 22:02	225284
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/05/2024 22:02	225284
Lithium	*	1.4	3.0		**9.5**	µg/L	5	07/05/2024 22:02	225284
Molybdenum	NELAP	0.6	1.5		**9.1**	µg/L	5	07/08/2024 9:31	225284
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/05/2024 22:02	225284
Thallium	NELAP	1.0	2.0	J	**1.1**	µg/L	5	07/05/2024 22:02	225284

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-007
Client Sample ID: APW05
Matrix: GROUNDWATER
Collection Date: 07/02/2024 10:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/08/2024 18:47	225289

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-009 **Client Sample ID:** APW06

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 12:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**19.36**	ft	1	07/02/2024 12:26	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**160**	NTU	1	07/02/2024 12:26	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-99**	mV	1	07/02/2024 12:26	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**820**	µS/cm	1	07/02/2024 12:26	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.3**	°C	1	07/02/2024 12:26	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.98**	mg/L	1	07/02/2024 12:26	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**7.73**		1	07/02/2024 12:26	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**445**	mg/L	1	07/03/2024 9:49	R349737
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/03/2024 9:49	R349737
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**530**	mg/L	2.5	07/03/2024 11:12	R349790
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**16**	mg/L	1	07/03/2024 17:19	R349714
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.54**	mg/L	1	07/03/2024 10:03	R349705
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**24**	mg/L	1	07/03/2024 17:19	R349718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**56.6**	mg/L	1	07/08/2024 16:37	225284
Magnesium	NELAP	0.006	0.050		**25.6**	mg/L	1	07/08/2024 16:37	225284
Potassium	NELAP	0.040	0.100		**1.46**	mg/L	1	07/08/2024 16:37	225284
Sodium	NELAP	0.018	0.050		**114**	mg/L	1	07/08/2024 16:37	225284
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.8**	µg/L	5	07/09/2024 7:58	225284
Arsenic	NELAP	0.4	1.0		**10.7**	µg/L	5	07/05/2024 22:08	225284
Barium	NELAP	0.7	1.0		**234**	µg/L	5	07/05/2024 22:08	225284
Beryllium	NELAP	0.2	1.0	J	**0.3**	µg/L	5	07/05/2024 22:08	225284
Boron	NELAP	9.2	25.0		**70.2**	µg/L	5	07/05/2024 22:08	225284
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	07/05/2024 22:08	225284
Chromium	NELAP	0.7	1.5	J	**1.0**	µg/L	5	07/05/2024 22:08	225284
Cobalt	NELAP	0.1	1.0	J	**0.8**	µg/L	5	07/05/2024 22:08	225284
Lead	NELAP	0.6	1.0	J	**0.7**	µg/L	5	07/05/2024 22:08	225284
Lithium	*	1.4	3.0		**11.0**	µg/L	5	07/05/2024 22:08	225284
Molybdenum	NELAP	0.6	1.5		**8.9**	µg/L	5	07/08/2024 9:36	225284
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/05/2024 22:08	225284
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	07/05/2024 22:08	225284

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-009
Client Sample ID: APW06
Matrix: GROUNDWATER
Collection Date: 07/02/2024 12:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/08/2024 18:49	225289

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-010 **Client Sample ID:** APW07

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 13:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**47.11**	ft	1	07/02/2024 13:27	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**170**	NTU	1	07/02/2024 13:27	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-86**	mV	1	07/02/2024 13:27	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1020**	µS/cm	1	07/02/2024 13:27	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.3**	°C	1	07/02/2024 13:27	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.03**	mg/L	1	07/02/2024 13:27	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**7.47**		1	07/02/2024 13:27	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**499**	mg/L	1	07/03/2024 9:56	R349737
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/03/2024 9:56	R349737
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**565**	mg/L	2.5	07/03/2024 11:13	R349790
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**23**	mg/L	1	07/03/2024 17:21	R349714
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.42**	mg/L	1	07/03/2024 10:05	R349705
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**68**	mg/L	5	07/03/2024 17:27	R349718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**95.9**	mg/L	1	07/08/2024 16:39	225284
Magnesium	NELAP	0.006	0.050		**36.3**	mg/L	1	07/08/2024 16:39	225284
Potassium	NELAP	0.040	0.100		**1.90**	mg/L	1	07/08/2024 16:39	225284
Sodium	NELAP	0.018	0.050		**100**	mg/L	1	07/08/2024 16:39	225284
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.5**	µg/L	5	07/09/2024 8:02	225284
Arsenic	NELAP	0.4	1.0		**14.3**	µg/L	5	07/05/2024 22:14	225284
Barium	NELAP	0.7	1.0		**486**	µg/L	5	07/05/2024 22:14	225284
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	07/05/2024 22:14	225284
Boron	NELAP	9.2	25.0		**76.9**	µg/L	5	07/05/2024 22:14	225284
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	07/05/2024 22:14	225284
Chromium	NELAP	0.7	1.5		**2.3**	µg/L	5	07/08/2024 9:42	225284
Cobalt	NELAP	0.1	1.0	J	**0.5**	µg/L	5	07/05/2024 22:14	225284
Lead	NELAP	0.6	1.0	J	**0.9**	µg/L	5	07/05/2024 22:14	225284
Lithium	*	1.4	3.0		**3.3**	µg/L	5	07/05/2024 22:14	225284
Molybdenum	NELAP	0.6	1.5		**2.2**	µg/L	5	07/08/2024 9:42	225284
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/05/2024 22:14	225284
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	07/05/2024 22:14	225284

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-010
Client Sample ID: APW07
Matrix: GROUNDWATER
Collection Date: 07/02/2024 13:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/08/2024 18:52	225289

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-011 **Client Sample ID:** APW08

Matrix: GROUNDWATER **Collection Date:** 07/09/2024 13:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**37.85**	ft	1	07/09/2024 13:15	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.7**	NTU	1	07/09/2024 13:15	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-32**	mV	1	07/09/2024 13:15	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1090**	µS/cm	1	07/09/2024 13:15	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.2**	°C	1	07/09/2024 13:15	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.15**	mg/L	1	07/09/2024 13:15	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**7.33**		1	07/09/2024 13:15	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**496**	mg/L	1	07/11/2024 11:59	R350050
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/11/2024 11:59	R350050
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**650**	mg/L	1	07/11/2024 8:37	R350125
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**59**	mg/L	2	07/12/2024 16:40	R350166
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.46**	mg/L	1	07/11/2024 11:03	R350044
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**54**	mg/L	2	07/12/2024 16:39	R350172
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**111**	mg/L	1	07/12/2024 10:49	225566
Magnesium	NELAP	0.006	0.050		**43.8**	mg/L	1	07/12/2024 10:49	225566
Potassium	NELAP	0.040	0.100		**2.08**	mg/L	1	07/12/2024 10:49	225566
Sodium	NELAP	0.018	0.050		**89.2**	mg/L	1	07/12/2024 10:49	225566
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.5**	µg/L	5	07/12/2024 22:54	225566
Arsenic	NELAP	0.4	1.0		**20.2**	µg/L	5	07/12/2024 22:54	225566
Barium	NELAP	0.7	1.0		**460**	µg/L	5	07/12/2024 22:54	225566
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	07/12/2024 22:54	225566
Boron	NELAP	9.2	25.0		**92.3**	µg/L	5	07/15/2024 14:07	225566
Cadmium	*	0.2	1.0	J	**0.7**	µg/L	5	07/12/2024 22:54	225566
Chromium	NELAP	0.7	1.5		**3.7**	µg/L	5	07/12/2024 22:54	225566
Cobalt	NELAP	0.1	1.0	J	**1.0**	µg/L	5	07/15/2024 14:07	225566
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/05/2024 21:54	226569
Lithium	*	1.4	3.0		**3.5**	µg/L	5	07/12/2024 22:54	225566
Molybdenum	NELAP	0.6	1.5		**5.7**	µg/L	5	07/12/2024 22:54	225566
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/12/2024 22:54	225566
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	07/12/2024 22:54	225566

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

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-011
Client Sample ID: APW08
Matrix: GROUNDWATER
Collection Date: 07/09/2024 13:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/11/2024 14:36	225565

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-012 **Client Sample ID:** APW09

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 14:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**27.29**	ft	1	07/02/2024 14:19	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**17**	NTU	1	07/02/2024 14:19	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-95**	mV	1	07/02/2024 14:19	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1410**	µS/cm	1	07/02/2024 14:19	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.9**	°C	1	07/02/2024 14:19	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.98**	mg/L	1	07/02/2024 14:19	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**7.59**		1	07/02/2024 14:19	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**598**	mg/L	1	07/03/2024 10:41	R349737
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/03/2024 10:41	R349737
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**790**	mg/L	2.5	07/03/2024 11:13	R349790
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50	J	**40**	mg/L	5	07/03/2024 17:35	R349714
Elevated reporting limit due to matrix interference.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.54**	mg/L	1	07/03/2024 10:07	R349705
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**143**	mg/L	5	07/03/2024 17:35	R349718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**86.6**	mg/L	1	07/08/2024 16:40	225284
Magnesium	NELAP	0.006	0.050		**39.8**	mg/L	1	07/08/2024 16:40	225284
Potassium	NELAP	0.040	0.100		**2.03**	mg/L	1	07/08/2024 16:40	225284
Sodium	NELAP	0.018	0.050		**219**	mg/L	1	07/08/2024 16:40	225284
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	BJ	**0.8**	µg/L	5	07/05/2024 22:19	225284
Arsenic	NELAP	0.4	1.0		**28.3**	µg/L	5	07/05/2024 22:19	225284
Barium	NELAP	0.7	1.0		**448**	µg/L	5	07/05/2024 22:19	225284
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	07/05/2024 22:19	225284
Boron	NELAP	9.2	25.0		**100**	µg/L	5	07/05/2024 22:19	225284
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	07/05/2024 22:19	225284
Chromium	NELAP	0.7	1.5		**2.7**	µg/L	5	07/08/2024 10:45	225284
Cobalt	NELAP	0.1	1.0		**1.2**	µg/L	5	07/08/2024 10:45	225284
Lead	NELAP	0.6	1.0		**3.5**	µg/L	5	07/05/2024 22:19	225284
Lithium	*	1.4	3.0		**9.4**	µg/L	5	07/05/2024 22:19	225284
Molybdenum	NELAP	0.6	1.5		**3.6**	µg/L	5	07/09/2024 8:07	225284
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/05/2024 22:19	225284
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	07/05/2024 22:19	225284
Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.									

Laboratory Results

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

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-012 **Client Sample ID:** APW09

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 14:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/08/2024 18:54	225289

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-013 **Client Sample ID:** APW10

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**18.56**	ft	1	07/02/2024 13:04	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**20**	NTU	1	07/02/2024 13:04	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**9**	mV	1	07/02/2024 13:04	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1580**	µS/cm	1	07/02/2024 13:04	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.2**	°C	1	07/02/2024 13:04	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.27**	mg/L	1	07/02/2024 13:04	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**7.14**		1	07/02/2024 13:04	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**422**	mg/L	1	07/03/2024 10:04	R349737
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/03/2024 10:04	R349737
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1130**	mg/L	2.5	07/03/2024 11:14	R349790
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**416**	mg/L	10	07/03/2024 17:43	R349714
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	07/03/2024 10:17	R349705
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**44**	mg/L	1	07/03/2024 17:37	R349718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**143**	mg/L	1	07/08/2024 16:42	225284
Magnesium	NELAP	0.006	0.050		**67.4**	mg/L	1	07/08/2024 16:42	225284
Potassium	NELAP	0.040	0.100		**1.64**	mg/L	1	07/08/2024 16:42	225284
Sodium	NELAP	0.018	0.050		**127**	mg/L	1	07/08/2024 16:42	225284
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	BJ	**0.6**	µg/L	5	07/05/2024 22:25	225284
Arsenic	NELAP	0.4	1.0		**7.7**	µg/L	5	07/05/2024 22:25	225284
Barium	NELAP	0.7	1.0		**26.5**	µg/L	5	07/05/2024 22:25	225284
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	07/05/2024 22:25	225284
Boron	NELAP	9.2	25.0		**70.2**	µg/L	5	07/05/2024 22:25	225284
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	07/05/2024 22:25	225284
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	07/05/2024 22:25	225284
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	07/05/2024 22:25	225284
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/05/2024 22:25	225284
Lithium	*	1.4	3.0		**21.3**	µg/L	5	07/05/2024 22:25	225284
Molybdenum	NELAP	0.6	1.5		**6.2**	µg/L	5	07/09/2024 8:12	225284
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/05/2024 22:25	225284
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	07/05/2024 22:25	225284

Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-013
Client Sample ID: APW10
Matrix: GROUNDWATER
Collection Date: 07/02/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/08/2024 18:56	225289

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-014 **Client Sample ID:** APW11

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 11:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**25.00**	ft	1	07/02/2024 11:03	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**64**	NTU	1	07/02/2024 11:03	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-63**	mV	1	07/02/2024 11:03	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1310**	µS/cm	1	07/02/2024 11:03	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.1**	°C	1	07/02/2024 11:03	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.35**	mg/L	1	07/02/2024 11:03	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**7.01**		1	07/02/2024 11:03	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**417**	mg/L	1	07/03/2024 10:12	R349737
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/03/2024 10:12	R349737
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**850**	mg/L	2.5	07/03/2024 11:14	R349790
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**286**	mg/L	10	07/03/2024 18:04	R349714
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.37**	mg/L	1	07/03/2024 9:54	R349705
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**26**	mg/L	1	07/03/2024 17:45	R349718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**125**	mg/L	1	07/08/2024 16:44	225284
Magnesium	NELAP	0.006	0.050		**54.7**	mg/L	1	07/08/2024 16:44	225284
Potassium	NELAP	0.040	0.100		**1.60**	mg/L	1	07/08/2024 16:44	225284
Sodium	NELAP	0.018	0.050		**96.9**	mg/L	1	07/08/2024 16:44	225284
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	BJ	**0.5**	µg/L	5	07/05/2024 22:31	225284
Arsenic	NELAP	0.4	1.0		**3.1**	µg/L	5	07/05/2024 22:31	225284
Barium	NELAP	0.7	1.0		**42.2**	µg/L	5	07/05/2024 22:31	225284
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	07/05/2024 22:31	225284
Boron	NELAP	9.2	25.0		**75.9**	µg/L	5	07/05/2024 22:31	225284
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	07/05/2024 22:31	225284
Chromium	NELAP	0.7	1.5	J	**1.0**	µg/L	5	07/05/2024 22:31	225284
Cobalt	NELAP	0.1	1.0	J	**0.4**	µg/L	5	07/05/2024 22:31	225284
Lead	NELAP	0.6	1.0	J	**0.7**	µg/L	5	07/08/2024 10:56	225284
Lithium	*	1.4	3.0		**26.2**	µg/L	5	07/05/2024 22:31	225284
Molybdenum	NELAP	0.6	1.5		**4.1**	µg/L	5	07/09/2024 8:17	225284
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/05/2024 22:31	225284
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	07/05/2024 22:31	225284

Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-014
Client Sample ID: APW11
Matrix: GROUNDWATER
Collection Date: 07/02/2024 11:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/08/2024 18:58	225289

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-015 **Client Sample ID:** APW12

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 11:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.00**	ft	1	07/02/2024 11:57	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.3**	NTU	1	07/02/2024 11:57	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**48**	mV	1	07/02/2024 11:57	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2320**	µS/cm	1	07/02/2024 11:57	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.8**	°C	1	07/02/2024 11:57	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.22**	mg/L	1	07/02/2024 11:57	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**6.49**		1	07/02/2024 11:57	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**614**	mg/L	1	07/03/2024 10:18	R349737
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/03/2024 10:18	R349737
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1960**	mg/L	2.5	07/03/2024 11:31	R349790
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**835**	mg/L	20	07/03/2024 18:12	R349714
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.18**	mg/L	1	07/03/2024 9:56	R349705
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**30**	mg/L	1	07/03/2024 18:07	R349718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**266**	mg/L	1	07/08/2024 16:58	225284
Magnesium	NELAP	0.006	0.050		**131**	mg/L	1	07/09/2024 12:25	225284
Potassium	NELAP	0.040	0.100		**1.25**	mg/L	1	07/08/2024 16:58	225284
Sodium	NELAP	0.018	0.050		**157**	mg/L	1	07/08/2024 16:58	225284
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	07/09/2024 8:22	225284
Arsenic	NELAP	0.4	1.0	J	**0.6**	µg/L	5	07/05/2024 23:00	225284
Barium	NELAP	0.7	1.0		**45.0**	µg/L	5	07/05/2024 23:00	225284
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	07/05/2024 23:00	225284
Boron	NELAP	9.2	25.0		**1170**	µg/L	5	07/05/2024 23:00	225284
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	07/05/2024 23:00	225284
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	07/05/2024 23:00	225284
Cobalt	NELAP	0.1	1.0	J	**0.6**	µg/L	5	07/08/2024 11:02	225284
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/05/2024 23:00	225284
Lithium	*	1.4	3.0		**46.0**	µg/L	5	07/05/2024 23:00	225284
Molybdenum	NELAP	0.6	1.5	J	**0.7**	µg/L	5	07/09/2024 8:22	225284
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/05/2024 23:00	225284
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	07/05/2024 23:00	225284

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-015
Client Sample ID: APW12
Matrix: GROUNDWATER
Collection Date: 07/02/2024 11:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/08/2024 19:01	225289

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-016 **Client Sample ID:** APW13

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 14:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**32.97**	ft	1	07/02/2024 14:11	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**58**	NTU	1	07/02/2024 14:11	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-110**	mV	1	07/02/2024 14:11	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1470**	µS/cm	1	07/02/2024 14:11	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.0**	°C	1	07/02/2024 14:11	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.26**	mg/L	1	07/02/2024 14:11	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**7.07**		1	07/02/2024 14:11	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**504**	mg/L	1	07/03/2024 10:26	R349737
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/03/2024 10:26	R349737
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**900**	mg/L	2.5	07/03/2024 11:31	R349790
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**262**	mg/L	10	07/03/2024 18:20	R349714
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.45**	mg/L	1	07/03/2024 9:58	R349705
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**53**	mg/L	2	07/03/2024 18:15	R349718
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**125**	mg/L	1	07/08/2024 16:59	225284
Magnesium	NELAP	0.006	0.050		**61.2**	mg/L	1	07/09/2024 12:26	225284
Potassium	NELAP	0.040	0.100		**1.93**	mg/L	1	07/08/2024 16:59	225284
Sodium	NELAP	0.018	0.050		**137**	mg/L	1	07/08/2024 16:59	225284
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	BJ	**0.6**	µg/L	5	07/05/2024 23:06	225284
Arsenic	NELAP	0.4	1.0		**7.0**	µg/L	5	07/05/2024 23:06	225284
Barium	NELAP	0.7	1.0		**62.5**	µg/L	5	07/05/2024 23:06	225284
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	07/05/2024 23:06	225284
Boron	NELAP	9.2	25.0		**138**	µg/L	5	07/05/2024 23:06	225284
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	07/05/2024 23:06	225284
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	07/05/2024 23:06	225284
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	07/05/2024 23:06	225284
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/05/2024 23:06	225284
Lithium	*	1.4	3.0		**30.9**	µg/L	5	07/05/2024 23:06	225284
Molybdenum	NELAP	0.6	1.5		**6.0**	µg/L	5	07/09/2024 8:27	225284
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/05/2024 23:06	225284
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	07/05/2024 23:06	225284

Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-016 **Client Sample ID:** APW13

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 14:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/08/2024 19:07	225289

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-019 **Client Sample ID:** APW16

Matrix: GROUNDWATER **Collection Date:** 07/10/2024 9:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**40.31**	ft	1	07/10/2024 9:03	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.0**	NTU	1	07/10/2024 9:03	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-108**	mV	1	07/10/2024 9:03	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1260**	µS/cm	1	07/10/2024 9:03	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.0**	°C	1	07/10/2024 9:03	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.33**	mg/L	1	07/10/2024 9:03	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**7.46**		1	07/10/2024 9:03	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**640**	mg/L	1	07/11/2024 10:44	R350050
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/11/2024 10:44	R350050
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**752**	mg/L	1	07/12/2024 11:44	R350208
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**15**	mg/L	1	07/12/2024 17:17	R350166
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.76**	mg/L	1	07/11/2024 11:05	R350044
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**66**	mg/L	2	07/12/2024 17:22	R350172
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**101**	mg/L	1	07/12/2024 10:51	225566
Magnesium	NELAP	0.006	0.050		**43.2**	mg/L	1	07/12/2024 10:51	225566
Potassium	NELAP	0.040	0.100		**2.03**	mg/L	1	07/12/2024 10:51	225566
Sodium	NELAP	0.018	0.050		**141**	mg/L	1	07/12/2024 10:51	225566
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	07/12/2024 23:00	225566
Arsenic	NELAP	0.4	1.0		**23.6**	µg/L	5	07/12/2024 23:00	225566
Barium	NELAP	0.7	1.0		**559**	µg/L	5	07/12/2024 23:00	225566
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	07/12/2024 23:00	225566
Boron	NELAP	9.2	25.0		**137**	µg/L	5	07/15/2024 14:54	225566
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	07/12/2024 23:00	225566
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	07/12/2024 23:00	225566
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	07/12/2024 23:00	225566
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/12/2024 23:00	225566
Lithium	*	1.4	3.0	J	**2.6**	µg/L	5	07/12/2024 23:00	225566
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	07/12/2024 23:00	225566
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/12/2024 23:00	225566
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	07/12/2024 23:00	225566

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-019
Client Sample ID: APW16
Matrix: GROUNDWATER
Collection Date: 07/10/2024 9:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/11/2024 14:56	225565

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-020 **Client Sample ID:** APW17

Matrix: GROUNDWATER **Collection Date:** 07/09/2024 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**41.50**	ft	1	07/09/2024 12:38	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**19**	NTU	1	07/09/2024 12:38	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-98**	mV	1	07/09/2024 12:38	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1130**	µS/cm	1	07/09/2024 12:38	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.0**	°C	1	07/09/2024 12:38	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.49**	mg/L	1	07/09/2024 12:38	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**7.45**		1	07/09/2024 12:38	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**552**	mg/L	1	07/11/2024 12:46	R350050
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/11/2024 12:46	R350050
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**692**	mg/L	1	07/11/2024 8:51	R350125
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**63**	mg/L	2	07/12/2024 17:25	R350166
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.53**	mg/L	1	07/11/2024 11:07	R350044
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**54**	mg/L	2	07/12/2024 17:25	R350172
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**117**	mg/L	1	07/12/2024 15:07	225566
Magnesium	NELAP	0.006	0.050		**47.9**	mg/L	1	07/12/2024 15:07	225566
Potassium	NELAP	0.040	0.100		**1.96**	mg/L	1	07/12/2024 15:07	225566
Sodium	NELAP	0.018	0.050		**91.4**	mg/L	1	07/12/2024 15:07	225566
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	07/12/2024 23:05	225566
Arsenic	NELAP	0.4	1.0		**26.8**	µg/L	5	07/12/2024 23:05	225566
Barium	NELAP	0.7	1.0		**589**	µg/L	5	07/12/2024 23:05	225566
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	07/12/2024 23:05	225566
Boron	NELAP	9.2	25.0		**96.1**	µg/L	5	07/15/2024 14:59	225566
Cadmium	*	0.2	1.0	J	**0.6**	µg/L	5	07/12/2024 23:05	225566
Chromium	NELAP	0.7	1.5	J	**0.8**	µg/L	5	08/05/2024 22:05	226569
Cobalt	NELAP	0.1	1.0	J	**0.7**	µg/L	5	07/12/2024 23:05	225566
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/05/2024 22:05	226569
Lithium	*	1.4	3.0	J	**2.8**	µg/L	5	07/12/2024 23:05	225566
Molybdenum	NELAP	0.6	1.5		**4.2**	µg/L	5	07/12/2024 23:05	225566
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/12/2024 23:05	225566
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	07/12/2024 23:05	225566

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

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

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-020
Client Sample ID: APW17
Matrix: GROUNDWATER
Collection Date: 07/09/2024 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/11/2024 14:58	225565

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-021 **Client Sample ID:** APW18

Matrix: GROUNDWATER **Collection Date:** 07/09/2024 11:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**52.02**	ft	1	07/09/2024 11:02	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**4.9**	NTU	1	07/09/2024 11:02	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-172**	mV	1	07/09/2024 11:02	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**987**	µS/cm	1	07/09/2024 11:02	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.4**	°C	1	07/09/2024 11:02	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.12**	mg/L	1	07/09/2024 11:02	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**7.68**		1	07/09/2024 11:02	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**512**	mg/L	1	07/10/2024 11:54	R349993
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/10/2024 11:54	R349993
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**626**	mg/L	1	07/11/2024 8:51	R350125
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**44**	mg/L	1	07/10/2024 14:31	R350008
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.58**	mg/L	1	07/10/2024 12:24	R349987
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**24**	mg/L	1	07/10/2024 14:30	R349979
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**76.4**	mg/L	1	07/11/2024 8:37	225498
Magnesium	NELAP	0.006	0.050		**37.0**	mg/L	1	07/11/2024 8:37	225498
Potassium	NELAP	0.040	0.100		**2.11**	mg/L	1	07/11/2024 8:37	225498
Sodium	NELAP	0.018	0.050		**107**	mg/L	1	07/11/2024 8:37	225498
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	07/11/2024 12:27	225498
Arsenic	NELAP	0.4	1.0		**2.3**	µg/L	5	07/11/2024 12:27	225498
Barium	NELAP	0.7	1.0		**445**	µg/L	5	07/11/2024 12:27	225498
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	07/11/2024 12:27	225498
Boron	NELAP	9.2	25.0		**140**	µg/L	5	07/11/2024 12:27	225498
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	07/11/2024 12:27	225498
Chromium	NELAP	0.7	1.5	J	**0.8**	µg/L	5	07/11/2024 12:27	225498
Cobalt	NELAP	0.1	1.0	J	**0.3**	µg/L	5	07/11/2024 12:27	225498
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/11/2024 12:27	225498
Lithium	*	1.4	3.0		**6.9**	µg/L	5	07/11/2024 12:27	225498
Molybdenum	NELAP	0.6	1.5		**4.0**	µg/L	5	07/11/2024 12:27	225498
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/11/2024 12:27	225498
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	07/11/2024 12:27	225498

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-021
Client Sample ID: APW18
Matrix: GROUNDWATER
Collection Date: 07/09/2024 11:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/10/2024 12:15	225501

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-073
Client Sample ID: SG02
Matrix: GROUNDWATER
Collection Date: 07/01/2024 14:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**2.91**	ft	1	07/01/2024 14:33	R350256

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-078
Client Sample ID: XSG01
Matrix: GROUNDWATER
Collection Date: 07/01/2024 12:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.73**	ft	1	07/01/2024 12:21	R350256

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-079 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 07/11/2024 10:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**5**	mg/L	1	07/12/2024 11:59	R350130
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/12/2024 11:59	R350130
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	07/12/2024 9:59	R350208
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	07/12/2024 22:05	R350166
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	07/12/2024 10:45	R350044
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	07/12/2024 22:04	R350172
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	**0.037**	mg/L	1	07/16/2024 14:36	225659
Magnesium	NELAP	0.006	0.050		**< 0.050**	mg/L	1	07/16/2024 14:36	225659
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	07/16/2024 14:36	225659
Sodium	NELAP	0.018	0.050		**0.165**	mg/L	1	07/16/2024 14:36	225659
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	07/15/2024 21:46	225659
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	07/15/2024 21:46	225659
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	07/15/2024 21:46	225659
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	07/15/2024 21:46	225659
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	07/15/2024 21:46	225659
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	07/15/2024 21:46	225659
Chromium	NELAP	0.7	1.5	J	**0.8**	µg/L	5	07/15/2024 21:46	225659
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	07/15/2024 21:46	225659
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/15/2024 21:46	225659
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	07/15/2024 21:46	225659
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	07/15/2024 21:46	225659
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/15/2024 21:46	225659
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	07/15/2024 21:46	225659
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/16/2024 11:32	225717

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-083 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 07/11/2024 10:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**2**	mg/L	1	07/12/2024 12:24	R350130
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/12/2024 12:24	R350130
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	07/12/2024 9:59	R350208
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	07/12/2024 22:07	R350166
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	07/12/2024 10:43	R350044
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	07/12/2024 22:07	R350172
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	**0.076**	mg/L	1	07/16/2024 14:37	225659
Magnesium	NELAP	0.006	0.050	J	**0.028**	mg/L	1	07/16/2024 14:37	225659
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	07/16/2024 14:37	225659
Sodium	NELAP	0.018	0.050		**0.151**	mg/L	1	07/16/2024 14:37	225659
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	07/15/2024 21:52	225659
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	07/15/2024 21:52	225659
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	07/15/2024 21:52	225659
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	07/15/2024 21:52	225659
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	07/15/2024 21:52	225659
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	07/15/2024 21:52	225659
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	07/15/2024 21:52	225659
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	07/15/2024 21:52	225659
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/15/2024 21:52	225659
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	07/15/2024 21:52	225659
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	07/15/2024 21:52	225659
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	07/15/2024 21:52	225659
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	07/15/2024 21:52	225659
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	07/16/2024 11:37	225717

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-090 **Client Sample ID:** APW02

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 13:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.14**	ft	1	08/07/2024 13:31	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**23**	NTU	1	08/07/2024 13:31	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**44**	mV	1	08/07/2024 13:31	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**4920**	µS/cm	1	08/07/2024 13:31	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.2**	°C	1	08/07/2024 13:31	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.64**	mg/L	1	08/07/2024 13:31	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**6.72**		1	08/07/2024 13:31	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**550**	mg/L	1	08/09/2024 11:34	R351503
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/09/2024 11:34	R351503
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	**3260**	mg/L	1	08/15/2024 13:19	R351887
Sample analysis did not meet hold time requirements.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	614	1000		**3520**	mg/L	100	08/15/2024 15:50	R351845
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.20**	mg/L	1	08/14/2024 9:37	R351680
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**94**	mg/L	5	08/15/2024 15:46	R351860
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**466**	mg/L	1	08/12/2024 17:09	226925
Magnesium	NELAP	0.006	0.050		**412**	mg/L	1	08/12/2024 17:09	226925
Potassium	NELAP	0.040	0.100		**6.92**	mg/L	1	08/12/2024 17:09	226925
Sodium	NELAP	0.018	0.050		**486**	mg/L	1	08/12/2024 17:09	226925
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**1.4**	µg/L	5	08/28/2024 16:25	227698
Arsenic	NELAP	0.4	1.0	J	**0.4**	µg/L	5	08/28/2024 16:25	227698
Barium	NELAP	0.7	1.0		**9.2**	µg/L	5	08/29/2024 8:38	227698
Beryllium	NELAP	0.2	1.0	J	**0.5**	µg/L	5	08/12/2024 14:26	226925
Boron	NELAP	9.2	25.0		**92.7**	µg/L	5	08/12/2024 14:26	226925
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/28/2024 16:25	227698
Chromium	NELAP	0.7	1.5	J	**0.8**	µg/L	5	08/28/2024 16:25	227698
Cobalt	NELAP	0.1	1.0	J	**0.8**	µg/L	5	08/29/2024 8:38	227698
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/28/2024 16:25	227698
Lithium	*	1.4	3.0		**102**	µg/L	5	08/12/2024 14:26	226925
Molybdenum	NELAP	0.6	1.5		**1.8**	µg/L	5	08/28/2024 16:25	227698
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/28/2024 16:25	227698
Thallium	NELAP	1.0	2.0	J	**1.8**	µg/L	5	08/12/2024 14:26	226925

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-090
Client Sample ID: APW02
Matrix: GROUNDWATER
Collection Date: 08/07/2024 13:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/13/2024 11:13	226926

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-091 **Client Sample ID:** APW05S

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 10:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.55**	ft	1	08/07/2024 10:08	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**310**	NTU	1	08/07/2024 10:08	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**122**	mV	1	08/07/2024 10:08	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3870**	µS/cm	1	08/07/2024 10:08	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.3**	°C	1	08/07/2024 10:08	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.98**	mg/L	1	08/07/2024 10:08	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**6.45**		1	08/07/2024 10:08	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**544**	mg/L	1	08/12/2024 11:43	R351579
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/12/2024 11:43	R351579
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	**3840**	mg/L	1	08/15/2024 13:19	R351887
Sample analysis did not meet hold time requirements.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**2200**	mg/L	50	08/15/2024 15:58	R351845
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.41**	mg/L	1	08/14/2024 9:39	R351680
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**193**	mg/L	5	08/15/2024 15:54	R351860
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**406**	mg/L	1	08/12/2024 17:13	226925
Magnesium	NELAP	0.006	0.050		**304**	mg/L	1	08/12/2024 17:13	226925
Potassium	NELAP	0.040	0.100		**2.40**	mg/L	1	08/12/2024 17:13	226925
Sodium	NELAP	0.018	0.050		**291**	mg/L	1	08/12/2024 17:13	226925
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	08/28/2024 16:37	227698
Arsenic	NELAP	0.4	1.0	J	**0.6**	µg/L	5	08/12/2024 15:28	226925
Barium	NELAP	0.7	1.0		**30.7**	µg/L	5	08/12/2024 15:28	226925
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/12/2024 15:28	226925
Boron	NELAP	9.2	25.0		**55.3**	µg/L	5	08/13/2024 12:07	226925
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/12/2024 15:28	226925
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	08/12/2024 15:28	226925
Cobalt	NELAP	0.1	1.0	J	**0.3**	µg/L	5	08/12/2024 15:28	226925
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/12/2024 15:28	226925
Lithium	*	1.4	3.0		**42.7**	µg/L	5	08/12/2024 15:28	226925
Molybdenum	NELAP	0.6	1.5	J	**1.1**	µg/L	5	08/12/2024 15:28	226925
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/12/2024 15:28	226925
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/12/2024 15:28	226925

Consistent results for B were not achieved across multiple analyses. The highest result is reported.

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-091
Client Sample ID: APW05S
Matrix: GROUNDWATER
Collection Date: 08/07/2024 10:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/13/2024 11:15	226926

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-092 **Client Sample ID:** APW14

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**20.95**	ft	1	08/07/2024 12:38	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.2**	NTU	1	08/07/2024 12:38	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-90**	mV	1	08/07/2024 12:38	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1510**	µS/cm	1	08/07/2024 12:38	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.2**	°C	1	08/07/2024 12:38	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.77**	mg/L	1	08/07/2024 12:38	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**7.28**		1	08/07/2024 12:38	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**454**	mg/L	1	08/09/2024 10:51	R351503
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/09/2024 10:51	R351503
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	**1060**	mg/L	1	08/15/2024 13:20	R351887
Sample analysis did not meet hold time requirements.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**396**	mg/L	10	08/15/2024 16:07	R351845
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	08/14/2024 9:41	R351680
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**43**	mg/L	1	08/15/2024 16:01	R351860
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**140**	mg/L	1	08/12/2024 17:13	226925
Magnesium	NELAP	0.006	0.050		**66.8**	mg/L	1	08/12/2024 17:13	226925
Potassium	NELAP	0.040	0.100		**1.76**	mg/L	1	08/12/2024 17:13	226925
Sodium	NELAP	0.018	0.050		**138**	mg/L	1	08/12/2024 17:13	226925
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	08/28/2024 16:48	227698
Arsenic	NELAP	0.4	1.0		**5.8**	µg/L	5	08/12/2024 15:33	226925
Barium	NELAP	0.7	1.0		**51.2**	µg/L	5	08/12/2024 15:33	226925
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/12/2024 15:33	226925
Boron	NELAP	9.2	25.0		**82.3**	µg/L	5	08/12/2024 15:33	226925
Cadmium	*	0.2	1.0	J	**0.4**	µg/L	5	08/12/2024 15:33	226925
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	08/28/2024 16:48	227698
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	08/28/2024 16:48	227698
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/28/2024 16:48	227698
Lithium	*	1.4	3.0		**19.6**	µg/L	5	08/12/2024 15:33	226925
Molybdenum	NELAP	0.6	1.5		**4.1**	µg/L	5	08/12/2024 15:33	226925
Selenium	NELAP	0.6	1.0	J	**1.0**	µg/L	5	08/12/2024 15:33	226925
Thallium	NELAP	1.0	2.0	J	**1.0**	µg/L	5	08/12/2024 15:33	226925

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-092
Client Sample ID: APW14
Matrix: GROUNDWATER
Collection Date: 08/07/2024 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/13/2024 11:17	226926

Laboratory Results

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

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-093 **Client Sample ID:** APW15

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**21.21**	ft	1	08/07/2024 11:55	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**340**	NTU	1	08/07/2024 11:55	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-140**	mV	1	08/07/2024 11:55	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2000**	µS/cm	1	08/07/2024 11:55	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.7**	°C	1	08/07/2024 11:55	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.79**	mg/L	1	08/07/2024 11:55	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**7.11**		1	08/07/2024 11:55	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**742**	mg/L	1	08/12/2024 11:50	R351579
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/12/2024 11:50	R351579
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50	H	**1210**	mg/L	2.5	08/15/2024 13:22	R351887
Sample analysis did not meet hold time requirements.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20	J	**18**	mg/L	2	08/16/2024 14:53	R351908
Elevated reporting limit due to matrix interference.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.49**	mg/L	1	08/14/2024 9:43	R351680
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**249**	mg/L	10	08/15/2024 16:15	R351860
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**95.6**	mg/L	1	08/12/2024 17:14	226925
Magnesium	NELAP	0.006	0.050		**37.6**	mg/L	1	08/12/2024 17:14	226925
Potassium	NELAP	0.040	0.100		**3.72**	mg/L	1	08/12/2024 17:14	226925
Sodium	NELAP	0.018	0.050		**309**	mg/L	1	08/12/2024 17:14	226925
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.6**	µg/L	5	08/12/2024 15:39	226925
Arsenic	NELAP	0.4	1.0		**26.5**	µg/L	5	08/12/2024 15:39	226925
Barium	NELAP	0.7	1.0		**562**	µg/L	5	08/12/2024 15:39	226925
Beryllium	NELAP	0.2	1.0	J	**0.3**	µg/L	5	08/12/2024 15:39	226925
Boron	NELAP	9.2	25.0		**130**	µg/L	5	08/12/2024 15:39	226925
Cadmium	*	0.2	1.0	J	**0.2**	µg/L	5	08/12/2024 15:39	226925
Chromium	NELAP	0.7	1.5		**6.9**	µg/L	5	08/12/2024 15:39	226925
Cobalt	NELAP	0.1	1.0		**1.5**	µg/L	5	08/13/2024 12:13	226925
Lead	NELAP	0.6	1.0		**32.5**	µg/L	5	08/12/2024 15:39	226925
Lithium	*	1.4	3.0		**7.2**	µg/L	5	08/12/2024 15:39	226925
Molybdenum	NELAP	0.6	1.5		**3.7**	µg/L	5	08/12/2024 15:39	226925
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/12/2024 15:39	226925
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/12/2024 15:39	226925

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-093
Client Sample ID: APW15
Matrix: GROUNDWATER
Collection Date: 08/07/2024 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/13/2024 11:19	226926

Laboratory Results

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

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-102 **Client Sample ID:** Field Blank 2

Matrix: AQUEOUS **Collection Date:** 08/08/2024 11:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**2**	mg/L	1	08/09/2024 10:47	R351503
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/09/2024 10:47	R351503
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	**< 20**	mg/L	1	08/15/2024 11:13	R351887
Sample analysis did not meet hold time requirements.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	08/15/2024 17:44	R351845
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	08/14/2024 13:32	R351680
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	08/15/2024 17:43	R351860
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**0.163**	mg/L	1	08/12/2024 16:28	226933
Magnesium	NELAP	0.006	0.050	J	**0.018**	mg/L	1	08/12/2024 16:28	226933
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	08/12/2024 16:28	226933
Sodium	NELAP	0.018	0.050		**0.057**	mg/L	1	08/12/2024 16:28	226933
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.6**	µg/L	5	08/12/2024 12:59	226933
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	08/12/2024 12:59	226933
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	08/12/2024 12:59	226933
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/12/2024 12:59	226933
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	08/14/2024 13:11	226933
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/12/2024 12:59	226933
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	08/12/2024 12:59	226933
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	08/12/2024 12:59	226933
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/12/2024 12:59	226933
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	08/12/2024 12:59	226933
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	08/12/2024 12:59	226933
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/12/2024 12:59	226933
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/12/2024 12:59	226933
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/13/2024 11:42	226926

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-103 **Client Sample ID:** APW02 Duplicate

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 13:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.14**	ft	1	08/07/2024 13:31	R350256
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**23**	NTU	1	08/07/2024 13:31	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**44**	mV	1	08/07/2024 13:31	R350256
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**4920**	µS/cm	1	08/07/2024 13:31	R350256
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.2**	°C	1	08/07/2024 13:31	R350256
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.64**	mg/L	1	08/07/2024 13:31	R350256
SW-846 9040B FIELD									
pH	*	0	1.00		**6.72**		1	08/07/2024 13:31	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**508**	mg/L	1	08/12/2024 12:13	R351579
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/12/2024 12:13	R351579
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	**3550**	mg/L	1	08/15/2024 13:38	R351887
Sample analysis did not meet hold time requirements.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	1230	2000		**2860**	mg/L	200	08/20/2024 9:25	R352032
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.20**	mg/L	1	08/14/2024 13:38	R351680
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**92**	mg/L	5	08/15/2024 17:45	R351860
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**478**	mg/L	1	08/12/2024 16:29	226933
Magnesium	NELAP	0.006	0.050		**421**	mg/L	1	08/12/2024 16:29	226933
Potassium	NELAP	0.040	0.100		**7.10**	mg/L	1	08/12/2024 16:29	226933
Sodium	NELAP	0.018	0.050		**488**	mg/L	1	08/12/2024 16:29	226933
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.6**	µg/L	5	08/12/2024 13:05	226933
Arsenic	NELAP	0.4	1.0	J	**0.5**	µg/L	5	08/12/2024 13:05	226933
Barium	NELAP	0.7	1.0		**12.2**	µg/L	5	08/12/2024 13:05	226933
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/14/2024 13:16	226933
Boron	NELAP	9.2	25.0		**102**	µg/L	5	08/14/2024 13:16	226933
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/12/2024 13:05	226933
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	08/14/2024 13:16	226933
Cobalt	NELAP	0.1	1.0	J	**0.8**	µg/L	5	08/14/2024 13:16	226933
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/12/2024 13:05	226933
Lithium	*	1.4	3.0		**96.6**	µg/L	5	08/14/2024 13:16	226933
Molybdenum	NELAP	0.6	1.5		**2.1**	µg/L	5	08/12/2024 13:05	226933
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/12/2024 13:05	226933
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/12/2024 13:05	226933

Laboratory Results

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24
Lab ID: 24061026-103
Client Sample ID: APW02 Duplicate
Matrix: GROUNDWATER
Collection Date: 08/07/2024 13:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/13/2024 12:52	226941

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-105 **Client Sample ID:** Equipment Blank 2

Matrix: AQUEOUS **Collection Date:** 08/08/2024 11:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**2**	mg/L	1	08/09/2024 10:38	R351503
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/09/2024 10:38	R351503
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	**< 20**	mg/L	1	08/15/2024 11:13	R351887
Sample analysis did not meet hold time requirements.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	08/15/2024 18:06	R351845
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	08/14/2024 13:42	R351680
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	08/15/2024 18:04	R351860
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**4.42**	mg/L	1	08/12/2024 16:34	226933
Magnesium	NELAP	0.006	0.050		**0.393**	mg/L	1	08/12/2024 16:34	226933
Potassium	NELAP	0.040	0.100		**1.13**	mg/L	1	08/12/2024 16:34	226933
Sodium	NELAP	0.018	0.050		**1.37**	mg/L	1	08/12/2024 16:34	226933
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	08/12/2024 13:17	226933
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	08/12/2024 13:17	226933
Barium	NELAP	0.7	1.0	J	**0.8**	µg/L	5	08/12/2024 13:17	226933
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/12/2024 13:17	226933
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	08/14/2024 13:28	226933
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/12/2024 13:17	226933
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	08/12/2024 13:17	226933
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	08/12/2024 13:17	226933
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/12/2024 13:17	226933
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	08/12/2024 13:17	226933
Molybdenum	NELAP	0.6	1.5	J	**0.7**	µg/L	5	08/12/2024 13:17	226933
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/12/2024 13:17	226933
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/12/2024 13:17	226933
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/13/2024 13:06	226941

Laboratory Results

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

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

Lab ID: 24061026-106 **Client Sample ID:** Equipment Blank 3

Matrix: AQUEOUS **Collection Date:** 08/07/2024 13:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**1**	mg/L	1	08/09/2024 10:58	R351503
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/09/2024 10:58	R351503
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	JH	**16**	mg/L	1	08/15/2024 13:39	R351887
Sample analysis did not meet hold time requirements.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	08/15/2024 18:08	R351845
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	08/14/2024 13:44	R351680
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	08/15/2024 18:07	R351860
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**0.467**	mg/L	1	08/12/2024 16:35	226933
Magnesium	NELAP	0.006	0.050		**0.050**	mg/L	1	08/12/2024 16:35	226933
Potassium	NELAP	0.040	0.100		**0.600**	mg/L	1	08/12/2024 16:35	226933
Sodium	NELAP	0.018	0.050		**0.152**	mg/L	1	08/12/2024 16:35	226933
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	08/12/2024 13:23	226933
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	08/12/2024 13:23	226933
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	08/12/2024 13:23	226933
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/12/2024 13:23	226933
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	08/14/2024 13:33	226933
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/12/2024 13:23	226933
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	08/12/2024 13:23	226933
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	08/12/2024 13:23	226933
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/12/2024 13:23	226933
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	08/12/2024 13:23	226933
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	08/12/2024 13:23	226933
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/12/2024 13:23	226933
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/12/2024 13:23	226933
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/13/2024 13:08	226941

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: NEW-24Q3

Work Order: 24061026
Report Date: 06-Sep-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24061026-005	APW03	Groundwater	4	07/08/2024 12:11
24061026-006	APW04	Groundwater	4	07/08/2024 11:25
24061026-007	APW05	Groundwater	3	07/02/2024 10:13
24061026-009	APW06	Groundwater	2	07/02/2024 12:26
24061026-010	APW07	Groundwater	3	07/02/2024 13:27
24061026-011	APW08	Groundwater	3	07/09/2024 13:15
24061026-012	APW09	Groundwater	3	07/02/2024 14:19
24061026-013	APW10	Groundwater	3	07/02/2024 13:04
24061026-014	APW11	Groundwater	2	07/02/2024 11:03
24061026-015	APW12	Groundwater	2	07/02/2024 11:57
24061026-016	APW13	Groundwater	2	07/02/2024 14:11
24061026-017	APW14	Groundwater	2	07/08/2024 13:47
24061026-018	APW15	Groundwater	2	07/08/2024 14:44
24061026-019	APW16	Groundwater	2	07/10/2024 9:03
24061026-020	APW17	Groundwater	1	07/09/2024 11:38
24061026-020	APW17	Groundwater	2	07/09/2024 12:38
24061026-021	APW18	Groundwater	2	07/09/2024 11:02
24061026-073	SG02	Groundwater	1	07/01/2024 14:33
24061026-078	XSG01	Groundwater	1	07/01/2024 12:21
24061026-079	Field Blank	Aqueous	6	07/11/2024 10:05
24061026-083	Equipment Blank 1	Aqueous	6	07/11/2024 10:15
24061026-090	APW02	Groundwater	4	08/07/2024 13:31
24061026-091	APW05S	Groundwater	3	08/07/2024 10:08
24061026-092	APW14	Groundwater	3	08/07/2024 12:38
24061026-093	APW15	Groundwater	3	08/07/2024 11:55
24061026-102	Field Blank 2	Aqueous	4	08/08/2024 11:05
24061026-103	APW02 Duplicate	Groundwater	4	08/07/2024 13:31
24061026-105	Equipment Blank 2	Aqueous	4	08/08/2024 11:13
24061026-106	Equipment Blank 3	Aqueous	4	08/07/2024 13:45

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

STANDARD METHODS 2510 B FIELD

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-1B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.2	90	110	07/02/2024

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-1-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1390**	1412	0	98.5	90	110	08/07/2024

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-1J

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

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-1-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	08/07/2024

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-1T

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

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-2B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.4	90	110	07/08/2024

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-2J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	07/08/2024

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-2-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	08/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

STANDARD METHODS 2510 B FIELD

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-2T

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	07/08/2024

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-3B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	07/09/2024

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-3J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.3	90	110	07/09/2024

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-3T

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	07/09/2024

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-4B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	07/10/2024

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-4J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	07/10/2024

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-4T

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	07/10/2024

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-5B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.3	90	110	07/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

STANDARD METHODS 2510 B FIELD

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-5J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.8	90	110	07/11/2024

Batch R350256 **SampType:** LCS Units **µS/cm**
SampID: LCS-5T

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	07/11/2024

SW-846 9040B FIELD

Batch R350256 **SampType:** LCS Units
SampID: LCS-1B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	07/02/2024

Batch R350256 **SampType:** LCS Units
SampID: LCS-1-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	08/07/2024

Batch R350256 **SampType:** LCS Units
SampID: LCS-1J

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

Batch R350256 **SampType:** LCS Units
SampID: LCS-1-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	08/07/2024

Batch R350256 **SampType:** LCS Units
SampID: LCS-1T

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.07**	7.000	0	101.0	98.57	101.4	07/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9040B FIELD

Batch R350256 **SampType:** LCS Units
SampID: LCS-2B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	07/08/2024

Batch R350256 **SampType:** LCS Units
SampID: LCS-2J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.99**	7.000	0	99.9	98.57	101.4	07/08/2024

Batch R350256 **SampType:** LCS Units
SampID: LCS-2-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	08/08/2024

Batch R350256 **SampType:** LCS Units
SampID: LCS-2T

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.09**	7.000	0	101.3	98.57	101.4	07/08/2024

Batch R350256 **SampType:** LCS Units
SampID: LCS-3B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	07/09/2024

Batch R350256 **SampType:** LCS Units
SampID: LCS-3J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	07/09/2024

Batch R350256 **SampType:** LCS Units
SampID: LCS-3T

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	07/09/2024

Batch R350256 **SampType:** LCS Units
SampID: LCS-4B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	07/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9040B FIELD

Batch R350256 **SampType:** LCS Units
SampID: LCS-4J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	07/10/2024

Batch R350256 **SampType:** LCS Units
SampID: LCS-4T

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.03**	7.000	0	100.4	98.57	101.4	07/10/2024

Batch R350256 **SampType:** LCS Units
SampID: LCS-5B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	07/11/2024

Batch R350256 **SampType:** LCS Units
SampID: LCS-5J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	07/11/2024

Batch R350256 **SampType:** LCS Units
SampID: LCS-5T

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	07/11/2024

EPA 1664A

Batch R350298 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**< 5**	4.400	0	0	-100	100	07/16/2024

Batch R350298 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**32**	40.00	0	79.0	78	114	07/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

EPA 1664A

Batch R350298 **SampType:** MS Units **mg/L**
SampID: 24070896-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		6		**39**	47.02	0	82.2	78	114	07/16/2024

EPA 600 350.1 (DISSOLVED)

Batch R349887 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	07/08/2024

Batch R349887 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.04**	1.000	0	103.5	90	110	07/08/2024

Batch R349887 **SampType:** MS Units **mg/L**
SampID: 24061026-071FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	E	**6.04**	2.000	4.197	92.0	90	110	07/08/2024

Batch R349887 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24061026-071FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	E	**6.05**	2.000	4.197	92.4	6.038	0.13	07/08/2024

Batch R349887 **SampType:** MS Units **mg/L**
SampID: 24070204-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**24.9**	20.00	6.288	93.3	90	110	07/08/2024

Batch R349887 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070204-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**25.0**	20.00	6.288	93.3	24.95	0.03	07/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

EPA 600 350.1 (DISSOLVED)

Batch R349887 **SampType:** MS Units **mg/L**
SampID: 24070310-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.84**	2.000	0.05100	89.3	90	110	07/08/2024

Batch R349887 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070310-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0.05100	91.4	1.837	2.21	07/08/2024

Batch R349887 **SampType:** MS Units **mg/L**
SampID: 24070386-006EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.80**	2.000	0.9070	94.6	90	110	07/08/2024

Batch R349887 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070386-006EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.80**	2.000	0.9070	94.4	2.799	0.14	07/08/2024

Batch R349887 **SampType:** MS Units **mg/L**
SampID: 24070395-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.86**	2.000	0.03500	91.3	90	110	07/08/2024

Batch R349887 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070395-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.86**	2.000	0.03500	91.1	1.861	0.22	07/08/2024

Batch R349887 **SampType:** MS Units **mg/L**
SampID: 24070426-003HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.06**	2.000	0.2240	91.9	90	110	07/08/2024

Batch R349887 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070426-003HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.06**	2.000	0.2240	91.7	2.062	0.19	07/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

EPA 600 350.1 (DISSOLVED)

Batch R349887 **SampType:** MS Units **mg/L**
SampID: 24070449-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	E	**5.16**	2.000	3.260	95.1	90	110	07/08/2024

Batch R349887 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070449-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	E	**5.10**	2.000	3.260	92.2	5.161	1.09	07/08/2024

Batch R349887 **SampType:** MS Units **mg/L**
SampID: 24070450-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**4.42**	2.000	2.543	94.0	90	110	07/08/2024

Batch R349887 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070450-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**4.43**	2.000	2.543	94.4	4.424	0.18	07/08/2024

Batch R349978 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	07/10/2024

Batch R349978 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.01**	1.000	0	101.4	90	110	07/10/2024

Batch R349978 **SampType:** MS Units **mg/L**
SampID: 24061026-082EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.90**	2.000	0.06500	91.9	90	110	07/10/2024

Batch R349978 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24061026-082EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0.06500	92.8	1.903	0.89	07/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

EPA 600 350.1 (DISSOLVED)

Batch R349978 **SampType:** MS Units **mg/L**
SampID: 24070451-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.57**	2.000	0	78.7	90	110	07/10/2024

Batch R349978 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070451-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.68**	2.000	0	84.0	1.574	6.57	07/10/2024

Batch R349978 **SampType:** MS Units **mg/L**
SampID: 24070539-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.32**	2.000	0.4720	92.5	90	110	07/10/2024

Batch R349978 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070539-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.33**	2.000	0.4720	93.0	2.322	0.39	07/10/2024

Batch R349978 **SampType:** MS Units **mg/L**
SampID: 24070672-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**4.21**	2.000	2.371	91.8	90	110	07/10/2024

Batch R349978 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070672-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**4.23**	2.000	2.371	93.0	4.207	0.55	07/10/2024

Batch R349978 **SampType:** MS Units **mg/L**
SampID: 24070677-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0	94.0	90	110	07/10/2024

Batch R349978 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070677-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0	94.0	1.880	0.05	07/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

EPA 600 350.1 (DISSOLVED)

Batch R350163 **SampType:** MS Units **mg/L**
SampID: 24070571-007EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	S	**3.88**	4.000	0.4710	85.2	90	110	07/12/2024

Batch R350163 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070571-007EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**4.09**	4.000	0.4710	90.5	3.878	5.32	07/12/2024

Batch R350163 **SampType:** MS Units **mg/L**
SampID: 24070879-002EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.67**	2.000	0.8560	90.9	90	110	07/12/2024

Batch R350163 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070879-002EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.69**	2.000	0.8560	91.9	2.674	0.75	07/12/2024

Batch R350163 **SampType:** MS Units **mg/L**
SampID: 24070879-007EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.48**	2.000	0.6180	93.0	90	110	07/12/2024

Batch R350163 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070879-007EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.46**	2.000	0.6180	92.2	2.477	0.65	07/12/2024

Batch R350880 **SampType:** MS Units **mg/L**
SampID: 24071459-002HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**21.7**	20.00	2.659	95.0	90	110	07/29/2024

Batch R350880 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24071459-002HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**21.7**	20.00	2.659	95.0	21.66	0.01	07/29/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R349790 **SampType:** MBLK Units **mg/L**
SampID: MBLK

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

Batch R349790 **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		**980**	1000	0	98.0	90	110	07/03/2024

Batch R349790 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24070113-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**4760**				4655	2.34	07/03/2024

Batch R349980 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	07/09/2024

Batch R349980 **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		**910**	1000	0	91.0	90	110	07/09/2024

Batch R349980 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24070559-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**415**				385.0	7.50	07/09/2024

Batch R350125 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	07/11/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	07/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R350125 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**970**	1000	0	97.0	90	110	07/11/2024
Total Dissolved Solids		20		**954**	1000	0	95.4	90	110	07/11/2024

Batch R350125 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24061026-017ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1040**				1072	2.65	07/11/2024

Batch R350125 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24061026-021ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**618**				626.0	1.29	07/11/2024

Batch R350208 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	07/12/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	07/12/2024

Batch R350208 **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		**990**	1000	0	99.0	90	110	07/12/2024
Total Dissolved Solids		20		**1010**	1000	0	100.6	90	110	07/12/2024

Batch R350208 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24061026-057ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**834**				890.0	6.50	07/12/2024

Batch R350208 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24061026-074ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**4700**				4800	2.21	07/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R350261 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	07/15/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	07/15/2024

Batch R350261 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**954**	1000	0	95.4	90	110	07/15/2024
Total Dissolved Solids		20		**940**	1000	0	94.0	90	110	07/15/2024

Batch R350261 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24061026-040ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		1000		**13300**				13300	0.00	07/15/2024

Batch R350261 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24071020-008BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**436**				450.0	3.16	07/15/2024

Batch R350404 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	07/17/2024

Batch R350404 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**944**	1000	0	94.4	90	110	07/17/2024

Batch R350404 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24070962-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**690**				635.0	8.30	07/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R350404 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24071298-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**446**				446.0	0.00	07/17/2024

Batch R351887 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/15/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/15/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/15/2024

Batch R351887 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**1010**	1000	0	100.8	90	110	08/15/2024
Total Dissolved Solids		20		**994**	1000	0	99.4	90	110	08/15/2024
Total Dissolved Solids		20		**1000**	1000	0	100.0	90	110	08/15/2024

Batch R351887 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24071451-043ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**820**				844.0	2.88	08/15/2024

Batch R351887 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24071451-059ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**1850**				1826	1.31	08/15/2024

Batch R351887 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24080002-007ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**474**				492.0	3.73	08/15/2024

Batch R351887 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24080862-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200	H	**24200**				24660	1.97	08/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R351887 **SampType:** DUP Units **mg/L** RPD Limit: **10**

SampID: 24080863-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**1160**				1136	2.09	08/15/2024

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

Batch R349749 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	07/03/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	07/03/2024

Batch R349749 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	102.5	90	110	07/03/2024
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	102.5	90	110	07/03/2024

Batch R349749 **SampType:** MS Units **mg/L**

SampID: 24061026-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	96.0	85	115	07/03/2024

Batch R349749 **SampType:** MSD Units **mg/L** RPD Limit: **10**

SampID: 24061026-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	92.6	0.4800	3.61	07/03/2024

Batch R349749 **SampType:** MS Units **mg/L**

SampID: 24070325-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.49**	0.5000	0	98.4	85	115	07/03/2024

Batch R349749 **SampType:** MSD Units **mg/L** RPD Limit: **10**

SampID: 24070325-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.49**	0.5000	0	97.4	0.4920	1.02	07/03/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

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

Batch R349749 **SampType:** MS Units **mg/L**
SampID: 24070330-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.50	E	**8.77**	5.000	3.890	97.6	85	115	07/03/2024

Batch R349749 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070330-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.50	E	**8.74**	5.000	3.890	97.0	8.770	0.34	07/03/2024

Batch R349749 **SampType:** MS Units **mg/L**
SampID: 24070386-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	97.8	85	115	07/03/2024

Batch R349749 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070386-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	97.4	0.4890	0.41	07/03/2024

Batch R349749 **SampType:** MS Units **mg/L**
SampID: 24070386-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.8	85	115	07/03/2024

Batch R349749 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070386-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	98.2	0.4790	2.47	07/03/2024

Batch R349910 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	07/09/2024

Batch R349910 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	101.8	90	110	07/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

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

Batch R349910 **SampType:** MS Units **mg/L**
SampID: 24070571-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	97.6	85	115	07/09/2024

Batch R349910 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070571-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	97.4	0.4880	0.21	07/09/2024

Batch R349910 **SampType:** MS Units **mg/L**
SampID: 24070630-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0.04700	92.8	85	115	07/09/2024

Batch R349910 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070630-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0.04700	92.4	0.5110	0.39	07/09/2024

Batch R350048 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	07/11/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	07/11/2024

Batch R350048 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	104.1	90	110	07/11/2024
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	104.1	90	110	07/11/2024

Batch R350048 **SampType:** MS Units **mg/L**
SampID: 24061026-039BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	98.6	85	115	07/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch R350048 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24061026-039BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.8	0.4930	1.21	07/11/2024

Batch R350048 **SampType:** MS Units **mg/L**
SampID: 24070774-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.37**	0.5000	0.07300	59.6	85	115	07/11/2024

Batch R350048 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070774-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.37**	0.5000	0.07300	59.2	0.3710	0.54	07/11/2024

Batch R350048 **SampType:** MS Units **mg/L**
SampID: 24070874-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.57**	0.5000	0.09800	94.0	85	115	07/11/2024

Batch R350048 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070874-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.57**	0.5000	0.09800	93.4	0.5680	0.53	07/11/2024

Batch R350072 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	07/11/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	07/11/2024

Batch R350072 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	101.5	90	110	07/11/2024
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	101.8	90	110	07/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch R350072 **SampType:** MS Units **mg/L**
SampID: 24061026-034BMS

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	95.2	85	115	07/11/2024

Batch R350072 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24061026-034BMSD

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	96.8	0.4760	1.67	07/11/2024

Batch R350072 **SampType:** MS Units **mg/L**
SampID: 24070879-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	97.8	85	115	07/11/2024

Batch R350072 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070879-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	98.2	0.4890	0.41	07/11/2024

Batch R350072 **SampType:** MS Units **mg/L**
SampID: 24070962-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	97.8	85	115	07/11/2024

Batch R350072 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070962-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	96.8	0.4890	1.03	07/11/2024

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

Batch R349753 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						07/03/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	07/03/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

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

Batch R349753 **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		**0.477**	0.5000	0	95.4	90	110	07/03/2024

Batch R349753 **SampType:** MS Units **mg/L**
SampID: 24061026-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.247**	0.2500	0	98.8	85	115	07/03/2024

Batch R349753 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24061026-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.245**	0.2500	0	98.0	0.2470	0.81	07/03/2024

Batch R349753 **SampType:** MS Units **mg/L**
SampID: 24070087-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**4.28**	1.250	2.933	107.4	90	110	07/03/2024

Batch R349753 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070087-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**4.18**	1.250	2.933	99.9	4.276	2.22	07/03/2024

Batch R349753 **SampType:** MS Units **mg/L**
SampID: 24070113-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**2.37**	2.500	0.1090	90.3	90	110	07/03/2024

Batch R349753 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070113-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500	S	**2.28**	2.500	0.1090	86.8	2.366	3.70	07/03/2024

Batch R349753 **SampType:** MS Units **mg/L**
SampID: 24070180-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	**23.0**	5.000	17.58	107.5	90	110	07/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch R349753 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070180-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	**22.8**	5.000	17.58	104.4	22.96	0.68	07/03/2024

Batch R349753 **SampType:** MS Units **mg/L**
SampID: 24070223-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.7**	5.000	5.779	99.4	90	110	07/03/2024

Batch R349753 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070223-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.8**	5.000	5.779	99.7	10.75	0.16	07/03/2024

Batch R349753 **SampType:** MS Units **mg/L**
SampID: 24070330-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**19.0**	5.000	13.98	100.9	90	110	07/03/2024

Batch R349753 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070330-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**19.3**	5.000	13.98	106.3	19.03	1.39	07/03/2024

Batch R349753 **SampType:** MS Units **mg/L**
SampID: 24070395-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**26.4**	12.50	14.64	94.3	90	110	07/03/2024

Batch R349753 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070395-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**27.0**	12.50	14.64	98.5	26.43	1.96	07/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch R349905 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						07/09/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	07/09/2024

Batch R349905 **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		**0.506**	0.5000	0	101.2	90	110	07/09/2024

Batch R349905 **SampType:** MS Units **mg/L**
SampID: 24070315-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.46**	1.250	2.168	103.8	90	110	07/09/2024

Batch R349905 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070315-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.52**	1.250	2.168	108.2	3.465	1.60	07/09/2024

Batch R349905 **SampType:** MS Units **mg/L**
SampID: 24070495-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**27.2**	12.50	15.03	97.6	90	110	07/09/2024

Batch R349905 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070495-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**27.1**	12.50	15.03	96.6	27.23	0.44	07/09/2024

Batch R349905 **SampType:** MS Units **mg/L**
SampID: 24070559-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.214**	0.2500	0	85.6	85	115	07/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch R349905 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070559-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.217**	0.2500	0	86.8	0.2140	1.39	07/09/2024

Batch R350027 **SampType:** MS Units **mg/L**
SampID: 24070679-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.258**	0.2500	0	103.2	85	115	07/10/2024

Batch R350027 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070679-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.259**	0.2500	0	103.6	0.2580	0.39	07/10/2024

Batch R350087 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						07/11/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	07/11/2024

Batch R350087 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.507**	0.5000	0	101.4	90	110	07/11/2024

Batch R350087 **SampType:** MS Units **mg/L**
SampID: 24061026-042BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.593**	0.2500	0.3150	111.2	85	115	07/11/2024

Batch R350087 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24061026-042BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.582**	0.2500	0.3150	106.8	0.5930	1.87	07/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

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

Batch R350087 **SampType:** MS Units **mg/L**
SampID: 24070596-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	**23.9**	5.000	19.12	96.3	90	110	07/11/2024

Batch R350087 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070596-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	**23.8**	5.000	19.12	93.8	23.94	0.52	07/11/2024

Batch R350087 **SampType:** MS Units **mg/L**
SampID: 24070656-001CMS

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**	0.2500	0.2360	106.4	90	110	07/11/2024

Batch R350087 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070656-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.506**	0.2500	0.2360	108.0	0.5020	0.79	07/11/2024

Batch R350087 **SampType:** MS Units **mg/L**
SampID: 24070740-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.83**	1.250	2.544	102.6	90	110	07/11/2024

Batch R350087 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070740-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.88**	1.250	2.544	107.3	3.826	1.53	07/11/2024

Batch R350087 **SampType:** MS Units **mg/L**
SampID: 24070813-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.37**	2.500	3.877	99.5	90	110	07/11/2024

Batch R350087 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070813-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.50**	2.500	3.877	105.0	6.365	2.14	07/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch R350087 **SampType:** MS Units **mg/L**
SampID: 24070825-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.248**	0.2500	0	99.2	85	115	07/11/2024

Batch R350087 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070825-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.255**	0.2500	0	102.0	0.2480	2.78	07/11/2024

Batch R350087 **SampType:** MS Units **mg/L**
SampID: 24070879-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.392**	0.2500	0.1380	101.6	85	115	07/11/2024

Batch R350087 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070879-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.386**	0.2500	0.1380	99.2	0.3920	1.54	07/11/2024

Batch R350087 **SampType:** MS Units **mg/L**
SampID: 24070948-008AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	**2.01**	0.5000	1.508	100.4	85	115	07/11/2024

Batch R350087 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070948-008AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	**2.02**	0.5000	1.508	103.2	2.010	0.69	07/11/2024

Batch R350189 **SampType:** MS Units **mg/L**
SampID: 24070948-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50	H	**33.7**	12.50	20.64	104.3	85	115	07/12/2024

Batch R350189 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070948-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50	H	**33.7**	12.50	20.64	104.2	33.68	0.03	07/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

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

Batch R350189 **SampType:** MS Units **mg/L**
SampID: 24070962-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.247**	0.2500	0	98.8	85	115	07/12/2024

Batch R350189 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070962-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.250**	0.2500	0	100.0	0.2470	1.21	07/12/2024

Batch R350189 **SampType:** MS Units **mg/L**
SampID: 24071020-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.245**	0.2500	0	98.0	85	115	07/12/2024

Batch R350189 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24071020-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.249**	0.2500	0	99.6	0.2450	1.62	07/12/2024

Batch R350189 **SampType:** MS Units **mg/L**
SampID: 24071023-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**16.0**	5.000	11.20	95.3	85	115	07/12/2024

Batch R350189 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24071023-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**16.2**	5.000	11.20	99.9	15.97	1.41	07/12/2024

Batch R350951 **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	07/30/2024

Batch R350951 **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		**0.463**	0.5000	0	92.6	90	110	07/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch R350951 **SampType:** MS Units **mg/L**
SampID: 24072288-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**8.24**	2.500	5.842	96.0	90	110	07/30/2024

Batch R350951 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24072288-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**8.12**	2.500	5.842	91.0	8.242	1.53	07/30/2024

Batch R350951 **SampType:** MS Units **mg/L**
SampID: 24072332-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**38.6**	25.00	15.65	91.8	90	110	07/30/2024

Batch R350951 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24072332-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**40.2**	25.00	15.65	98.1	38.61	4.01	07/30/2024

Batch R350951 **SampType:** MS Units **mg/L**
SampID: 24072335-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	**0.237**	0.2500	0	94.8	85	115	07/30/2024

Batch R350951 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24072335-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	**0.239**	0.2500	0	95.6	0.2370	0.84	07/30/2024

Batch R350951 **SampType:** MS Units **mg/L**
SampID: 24072364-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.566**	0.2500	0.3740	76.8	90	110	07/30/2024

Batch R350951 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24072364-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.581**	0.2500	0.3740	82.8	0.5660	2.62	07/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

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

Batch R350951 **SampType:** MS Units **mg/L**
SampID: 24072367-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.31**	2.500	2.018	91.8	85	115	07/30/2024

Batch R350951 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24072367-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.34**	2.500	2.018	92.7	4.313	0.53	07/30/2024

SW-846 9012A (TOTAL)

Batch 225296 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240703 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	07/08/2024

Batch 225296 **SampType:** LCS Units **mg/L**
SampID: LCS 240703 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.4	90	110	07/08/2024

Batch 225296 **SampType:** MS Units **mg/L**
SampID: 24061026-003DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	99.4	75	125	07/08/2024

Batch 225296 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-003DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.3	0.02484	0.90	07/08/2024

Batch 225465 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240709 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	07/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9012A (TOTAL)

Batch 225465 **SampType:** LCS Units **mg/L**
SampID: LCS 240709 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.9	90	110	07/10/2024

Batch 225465 **SampType:** MS Units **mg/L**
SampID: 24070571-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	102.0	75	125	07/10/2024

Batch 225465 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070571-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.7	0.02550	0.31	07/10/2024

Batch 225535 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240710 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	07/11/2024

Batch 225535 **SampType:** LCS Units **mg/L**
SampID: LCS 240710 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	90.9	90	110	07/11/2024

Batch 225535 **SampType:** MS Units **mg/L**
SampID: 24070628-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	105.1	90	110	07/11/2024

Batch 225535 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070628-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.7	0.02626	3.27	07/11/2024

Batch 225535 **SampType:** MS Units **mg/L**
SampID: 24070679-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	97.9	75	125	07/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9012A (TOTAL)

Batch 225535 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070679-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.5	0.02446	0.69	07/11/2024

Batch 225601 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240711 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	07/12/2024

Batch 225601 **SampType:** LCS Units **mg/L**
SampID: LCS 240711 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	90.1	90	110	07/12/2024

Batch 225601 **SampType:** MS Units **mg/L**
SampID: 24070898-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025	S	**0.123**	0.1250	0.01565	85.6	90	110	07/12/2024

Batch 225601 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070898-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025	S	**0.125**	0.1250	0.01565	87.7	0.1227	2.12	07/12/2024

Batch 225602 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240711 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	07/12/2024

Batch 225602 **SampType:** LCS Units **mg/L**
SampID: LCS 240711 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	94.4	90	110	07/15/2024

Batch 225664 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240712 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	07/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9012A (TOTAL)

Batch 225664 **SampType:** LCS Units **mg/L**
SampID: LCS 240712 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	99.5	90	110	07/15/2024

Batch 225664 **SampType:** MS Units **mg/L**
SampID: 24070767-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0.003085	93.3	90	110	07/15/2024

Batch 225664 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070767-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0.003085	96.6	0.02641	3.06	07/15/2024

Batch 225735 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240715 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.016**	0.0015	0	1120	-100	100	07/16/2024

Batch 225735 **SampType:** MS Units **mg/L**
SampID: 24061026-059EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	B	**0.026**	0.0250	0	104.6	75	125	07/16/2024

SW-846 9036 (DISSOLVED)

Batch R349714 **SampType:** MS Units **mg/L**
SampID: 24061026-053BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**30**	20.00	22.12	39.4	85	115	07/03/2024

Batch R349714 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24061026-053BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**28**	20.00	22.12	27.0	30.01	8.62	07/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9036 (DISSOLVED)

Batch R349714 **SampType:** MS Units **mg/L**
SampID: 24070182-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**195**	100.0	91.66	103.1	85	115	07/03/2024

Batch R349714 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070182-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**196**	100.0	91.66	104.7	194.8	0.82	07/03/2024

Batch R349714 **SampType:** MS Units **mg/L**
SampID: 24070182-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**24**	20.00	11.00	63.1	85	115	07/03/2024

Batch R349714 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070182-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**24**	20.00	11.00	66.8	23.62	3.08	07/03/2024

Batch R349876 **SampType:** MS Units **mg/L**
SampID: 24070386-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**46**	20.00	26.33	97.2	85	115	07/08/2024

Batch R349876 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070386-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**46**	20.00	26.33	99.4	45.78	0.91	07/08/2024

Batch R349911 **SampType:** MS Units **mg/L**
SampID: 24061026-062BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**212**	100.0	118.1	94.1	85	115	07/09/2024

Batch R349911 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24061026-062BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**217**	100.0	118.1	98.5	212.2	2.06	07/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9036 (DISSOLVED)

Batch R350166 **SampType:** MS Units **mg/L**
SampID: 24061026-034BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**48**	20.00	29.76	90.6	85	115	07/12/2024

Batch R350166 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24061026-034BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**48**	20.00	29.76	91.3	47.87	0.29	07/12/2024

Batch R350166 **SampType:** MS Units **mg/L**
SampID: 24070571-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**161**	100.0	68.17	93.2	85	115	07/12/2024

Batch R350166 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070571-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**167**	100.0	68.17	99.1	161.3	3.63	07/12/2024

Batch R350265 **SampType:** MS Units **mg/L**
SampID: 24071020-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**31**	20.00	14.35	83.8	85	115	07/16/2024

Batch R350265 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24071020-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**32**	20.00	14.35	87.4	31.11	2.32	07/16/2024

Batch R350922 **SampType:** MS Units **mg/L**
SampID: 24061962-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**166**	100.0	75.94	89.6	85	115	07/29/2024

Batch R350922 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24061962-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**164**	100.0	75.94	88.3	165.5	0.75	07/29/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9036 (DISSOLVED)

Batch R351845 **SampType:** MS Units **mg/L**
SampID: 24080823-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**473**	200.0	298.6	87.3	85	115	08/15/2024

Batch R351845 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24080823-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**486**	200.0	298.6	93.9	473.3	2.75	08/15/2024

Batch R351908 **SampType:** MS Units **mg/L**
SampID: 24080241-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**22**	20.00	8.190	70.2	85	115	08/16/2024

Batch R351908 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24080241-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**22**	20.00	8.190	69.8	22.22	0.36	08/16/2024

Batch R351908 **SampType:** MS Units **mg/L**
SampID: 24080241-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50	E	**253**	100.0	163.1	90.3	85	115	08/16/2024

Batch R351908 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24080241-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50	E	**257**	100.0	163.1	94.3	253.5	1.56	08/16/2024

Batch R351908 **SampType:** MS Units **mg/L**
SampID: 24080241-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**30**	20.00	12.67	86.2	85	115	08/16/2024

Batch R351908 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24080241-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**30**	20.00	12.67	88.0	29.90	1.26	08/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9036 (DISSOLVED)

Batch R351908 **SampType:** MS Units **mg/L**
SampID: 24080857-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		500		**2070**	1000	1132	94.1	85	115	08/16/2024

Batch R351908 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24080857-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		500		**2110**	1000	1132	97.7	2074	1.73	08/16/2024

SW-846 9036 (TOTAL)

Batch R349714 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	07/03/2024

Batch R349714 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	95.5	90	110	07/03/2024

Batch R349714 **SampType:** MS Units **mg/L**
SampID: 24061026-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**29**	20.00	15.87	65.8	85	115	07/03/2024

Batch R349714 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24061026-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**29**	20.00	15.87	67.8	29.04	1.33	07/03/2024

Batch R349714 **SampType:** MS Units **mg/L**
SampID: 24070024-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**84**	40.00	44.59	97.4	90	110	07/03/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9036 (TOTAL)

Batch R349714 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070024-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**83**	40.00	44.59	95.1	83.53	1.11	07/03/2024

Batch R349876 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	07/08/2024

Batch R349876 **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	101.8	90	110	07/08/2024

Batch R349876 **SampType:** MS Units **mg/L**
SampID: 24070428-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**31**	20.00	12.75	91.8	90	110	07/08/2024

Batch R349876 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070428-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**31**	20.00	12.75	90.8	31.12	0.64	07/08/2024

Batch R349876 **SampType:** MS Units **mg/L**
SampID: 24070460-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**214**	100.0	118.6	95.8	85	115	07/08/2024

Batch R349876 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070460-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**217**	100.0	118.6	98.0	214.4	1.03	07/08/2024

Batch R349911 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	07/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9036 (TOTAL)

Batch R349911 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	98.1	90	110	07/09/2024

Batch R349911 **SampType:** MS Units **mg/L**
SampID: 24070426-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**149**	100.0	51.62	97.6	90	110	07/09/2024

Batch R349911 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070426-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**154**	100.0	51.62	102.1	149.2	2.99	07/09/2024

Batch R349911 **SampType:** MS Units **mg/L**
SampID: 24070559-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**85**	40.00	46.75	95.1	85	115	07/09/2024

Batch R349911 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070559-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**85**	40.00	46.75	94.6	84.80	0.24	07/09/2024

Batch R350008 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

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

Batch R350008 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	99.3	90	110	07/10/2024

Batch R350008 **SampType:** MS Units **mg/L**
SampID: 24061026-054AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**215**	100.0	119.9	95.0	85	115	07/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9036 (TOTAL)

Batch R350008 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24061026-054AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**215**	100.0	119.9	95.2	214.8	0.12	07/10/2024

Batch R350008 **SampType:** MS Units **mg/L**
SampID: 24070704-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		2000	S	**9900**	4000	6733	79.2	90	110	07/10/2024

Batch R350008 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070704-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		2000	S	**9880**	4000	6733	78.6	9900	0.25	07/10/2024

Batch R350166 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	07/12/2024

Batch R350166 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	98.4	90	110	07/12/2024

Batch R350166 **SampType:** MS Units **mg/L**
SampID: 24061026-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**97**	40.00	58.52	96.6	85	115	07/12/2024

Batch R350166 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24061026-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**97**	40.00	58.52	95.5	97.15	0.43	07/12/2024

Batch R350166 **SampType:** MS Units **mg/L**
SampID: 24061026-022AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	S	**41**	40.00	14.66	66.3	85	115	07/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9036 (TOTAL)

Batch R350166 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24061026-022AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	S	**43**	40.00	14.66	69.6	41.19	3.15	07/12/2024

Batch R350166 **SampType:** MS Units **mg/L**
SampID: 24070825-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**88**	40.00	49.27	97.8	85	115	07/13/2024

Batch R350166 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070825-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**92**	40.00	49.27	105.6	88.38	3.49	07/13/2024

Batch R350166 **SampType:** MS Units **mg/L**
SampID: 24070832-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**41**	20.00	20.54	103.2	90	110	07/12/2024

Batch R350166 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070832-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**41**	20.00	20.54	104.6	41.17	0.70	07/12/2024

Batch R350231 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	07/15/2024

Batch R350231 **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	94.9	90	110	07/15/2024

Batch R350231 **SampType:** MS Units **mg/L**
SampID: 24070962-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**96**	40.00	57.30	96.1	85	115	07/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9036 (TOTAL)

Batch R350231 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24070962-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**97**	40.00	57.30	98.2	95.73	0.89	07/15/2024

Batch R350265 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	07/16/2024

Batch R350265 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	96.5	90	110	07/16/2024

Batch R350265 **SampType:** MS Units **mg/L**
SampID: 24071150-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**456**	200.0	261.7	97.4	90	110	07/16/2024

Batch R350265 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24071150-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**469**	200.0	261.7	103.6	456.4	2.67	07/16/2024

Batch R350265 **SampType:** MS Units **mg/L**
SampID: 24071151-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**476**	200.0	279.1	98.5	90	110	07/16/2024

Batch R350265 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24071151-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**478**	200.0	279.1	99.4	476.0	0.40	07/16/2024

Batch R350265 **SampType:** MS Units **mg/L**
SampID: 24071163-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	E	**50**	20.00	31.51	94.5	85	115	07/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9036 (TOTAL)

Batch R350265 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24071163-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	E	**51**	20.00	31.51	98.5	50.40	1.59	07/16/2024

Batch R350922 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	07/29/2024

Batch R350922 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	94.1	90	110	07/29/2024

Batch R350922 **SampType:** MS Units **mg/L**
SampID: 24071132-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	S	**75**	40.00	43.29	79.1	85	115	07/29/2024

Batch R350922 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24071132-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**78**	40.00	43.29	86.6	74.94	3.91	07/29/2024

Batch R350922 **SampType:** MS Units **mg/L**
SampID: 24071132-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**37**	20.00	16.61	99.6	85	115	07/29/2024

Batch R350922 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24071132-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**36**	20.00	16.61	99.2	36.52	0.22	07/29/2024

Batch R350922 **SampType:** MS Units **mg/L**
SampID: 24071132-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**141**	100.0	55.92	85.4	85	115	07/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9036 (TOTAL)

Batch R350922 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24071132-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**145**	100.0	55.92	89.2	141.4	2.59	07/29/2024

Batch R350922 **SampType:** MS Units **mg/L**
SampID: 24071132-013AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**75**	40.00	36.86	95.0	85	115	07/29/2024

Batch R350922 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24071132-013AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**74**	40.00	36.86	92.2	74.84	1.49	07/29/2024

Batch R350922 **SampType:** MS Units **mg/L**
SampID: 24072345-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**720**	400.0	327.6	98.1	90	110	07/29/2024

Batch R350922 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24072345-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**718**	400.0	327.6	97.7	720.0	0.22	07/29/2024

Batch R350922 **SampType:** MS Units **mg/L**
SampID: 24072346-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**725**	400.0	351.0	93.6	90	110	07/29/2024

Batch R350922 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24072346-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200	S	**709**	400.0	351.0	89.5	725.4	2.28	07/29/2024

Batch R351845 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	08/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9036 (TOTAL)

Batch R351845 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	93.8	90	110	08/15/2024

Batch R351845 **SampType:** MS Units **mg/L**
SampID: 24071451-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**169**	100.0	75.41	93.1	85	115	08/15/2024

Batch R351845 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24071451-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**176**	100.0	75.41	100.4	168.5	4.24	08/15/2024

Batch R351845 **SampType:** MS Units **mg/L**
SampID: 24071451-077AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**186**	100.0	87.05	98.8	85	115	08/15/2024

Batch R351845 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24071451-077AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**187**	100.0	87.05	100.4	185.8	0.87	08/15/2024

Batch R351845 **SampType:** MS Units **mg/L**
SampID: 24080820-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50	E	**258**	100.0	165.4	92.8	85	115	08/15/2024

Batch R351845 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24080820-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50	E	**258**	100.0	165.4	92.2	258.2	0.26	08/15/2024

Batch R351845 **SampType:** MS Units **mg/L**
SampID: 24080823-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**487**	200.0	284.1	101.5	85	115	08/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9036 (TOTAL)

Batch R351845 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24080823-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**470**	200.0	284.1	93.1	487.1	3.50	08/15/2024

Batch R351908 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	08/16/2024

Batch R351908 **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	94.3	90	110	08/16/2024

Batch R351908 **SampType:** MS Units **mg/L**
SampID: 24080002-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	E	**57**	20.00	39.49	85.9	85	115	08/16/2024

Batch R351908 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24080002-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	E	**57**	20.00	39.49	86.5	56.67	0.21	08/16/2024

Batch R351908 **SampType:** MS Units **mg/L**
SampID: 24080004-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**204**	100.0	109.8	94.2	85	115	08/16/2024

Batch R351908 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24080004-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**209**	100.0	109.8	99.2	204.0	2.45	08/16/2024

Batch R352032 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	08/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9036 (TOTAL)

Batch R352032 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**18**	20.00	0	91.5	90	110	08/20/2024

Batch R352032 **SampType:** MS Units **mg/L**
SampID: 24080242-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**30**	20.00	13.54	82.6	85	115	08/20/2024

Batch R352032 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24080242-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**30**	20.00	13.54	83.6	30.06	0.70	08/20/2024

Batch R352032 **SampType:** MS Units **mg/L**
SampID: 24080242-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**27**	20.00	10.87	80.2	85	115	08/20/2024

Batch R352032 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24080242-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**27**	20.00	10.87	79.2	26.90	0.75	08/20/2024

Batch R352032 **SampType:** MS Units **mg/L**
SampID: 24080243-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**452**	200.0	268.3	92.0	85	115	08/20/2024

Batch R352032 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24080243-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**467**	200.0	268.3	99.4	452.3	3.22	08/20/2024

Batch R352032 **SampType:** MS Units **mg/L**
SampID: 24080243-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**421**	200.0	226.5	97.5	85	115	08/20/2024

Teklab, Inc.
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Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9036 (TOTAL)

Batch R352032 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24080243-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**428**	200.0	226.5	100.6	421.4	1.50	08/20/2024

Batch R352032 **SampType:** MS Units **mg/L**
SampID: 24081587-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**690**	400.0	308.6	95.5	90	110	08/20/2024

Batch R352032 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24081587-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**695**	400.0	308.6	96.5	690.4	0.59	08/20/2024

Batch R352032 **SampType:** MS Units **mg/L**
SampID: 24081588-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**494**	200.0	304.0	94.8	90	110	08/20/2024

Batch R352032 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24081588-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**498**	200.0	304.0	96.8	493.6	0.80	08/20/2024

SW-846 9066 (TOTAL)

Batch R350270 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	07/16/2024

Batch R350270 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225747

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols	*	0.005		**< 0.005**	0.0028	0	0	-100	100	07/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9066 (TOTAL)

Batch R350270 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.048**	0.0500	0	95.8	90	110	07/16/2024

Batch R350270 **SampType:** MS Units **mg/L**
SampID: 24071098-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.064**	0.0500	0.006110	115.8	90	110	07/16/2024

Batch R350270 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24071098-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.060**	0.0500	0.006110	108.1	0.06402	6.22	07/16/2024

Batch R350270 **SampType:** MS Units **mg/L**
SampID: 24071150-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.059**	0.0500	0	117.6	90	110	07/16/2024

Batch R350270 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24071150-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.052**	0.0500	0	104.2	0.05879	12.03	07/16/2024

SW-846 9214 (DISSOLVED)

Batch R350044 **SampType:** MS Units **mg/L**
SampID: 24061026-041BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.83**	2.000	0.1780	82.6	75	125	07/11/2024

Batch R350044 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-041BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**1.82**	2.000	0.1780	82.0	1.829	0.55	07/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9214 (DISSOLVED)

Batch R350044 **SampType:** MS Units **mg/L**
SampID: 24061026-044BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.93**	2.000	0.1960	86.8	75	125	07/11/2024

Batch R350044 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-044BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**1.96**	2.000	0.1960	88.2	1.931	1.54	07/11/2024

Batch R350044 **SampType:** MS Units **mg/L**
SampID: 24070677-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.07**	2.000	0.2200	92.5	75	125	07/11/2024

Batch R350044 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070677-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.19**	2.000	0.2200	98.6	2.070	5.77	07/11/2024

Batch R350044 **SampType:** MS Units **mg/L**
SampID: 24070879-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.43**	2.000	0.4330	99.6	75	125	07/11/2024

Batch R350044 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070879-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.43**	2.000	0.4330	99.9	2.425	0.25	07/11/2024

SW-846 9214 (TOTAL)

Batch R349705 **SampType:** MBLK Units **mg/L**
SampID: MBLK

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9214 (TOTAL)

Batch R349705 **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	07/03/2024

Batch R349705 **SampType:** MS Units **mg/L**
SampID: 24061026-012AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.67**	2.000	0.5380	106.8	75	125	07/03/2024

Batch R349705 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-012AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.60**	2.000	0.5380	102.8	2.673	2.96	07/03/2024

Batch R349705 **SampType:** MS Units **mg/L**
SampID: 24070169-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.89**	2.000	0.6460	112.2	75	125	07/03/2024

Batch R349705 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070169-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.75**	2.000	0.6460	105.1	2.890	5.04	07/03/2024

Batch R349987 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	07/10/2024

Batch R349987 **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	102.0	90	110	07/10/2024

Batch R349987 **SampType:** MS Units **mg/L**
SampID: 24061026-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.12**	2.000	0.1920	96.6	75	125	07/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9214 (TOTAL)

Batch R349987 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.15**	2.000	0.1920	98.0	2.123	1.36	07/10/2024

Batch R349987 **SampType:** MS Units **mg/L**
SampID: 24061026-061AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.42**	2.000	0.4220	100.0	75	125	07/10/2024

Batch R349987 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-061AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.44**	2.000	0.4220	100.7	2.423	0.49	07/10/2024

Batch R349987 **SampType:** MS Units **mg/L**
SampID: 24070704-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		1.00		**59.9**	20.00	39.88	100.0	75	125	07/10/2024

Batch R349987 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070704-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		1.00		**60.2**	20.00	39.88	101.8	59.89	0.58	07/10/2024

Batch R349987 **SampType:** MS Units **mg/L**
SampID: 24070726-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.81**	2.000	0.7350	103.7	75	125	07/10/2024

Batch R349987 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070726-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.81**	2.000	0.7350	104.0	2.809	0.18	07/10/2024

Batch R350044 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	07/11/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9214 (TOTAL)

Batch R350044 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.97**	1.000	0	97.2	90	110	07/11/2024

Batch R350044 **SampType:** MS Units **mg/L**
SampID: 24061026-055AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.85**	2.000	0.8270	101.0	75	125	07/11/2024

Batch R350044 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-055AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.84**	2.000	0.8270	100.7	2.846	0.21	07/11/2024

Batch R350044 **SampType:** MS Units **mg/L**
SampID: 24061026-079AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.64**	2.000	0	82.2	75	125	07/12/2024

Batch R350044 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-079AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**1.88**	2.000	0	93.9	1.644	13.29	07/12/2024

Batch R351680 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	08/14/2024

Batch R351680 **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	98.7	90	110	08/14/2024

Batch R351680 **SampType:** MS Units **mg/L**
SampID: 24061026-098AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.26**	2.000	0.3470	95.8	75	125	08/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9214 (TOTAL)

Batch R351680 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-098AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.27**	2.000	0.3470	96.0	2.263	0.18	08/14/2024

Batch R351680 **SampType:** MS Units **mg/L**
SampID: 24061026-102AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.13**	2.000	0	106.4	75	125	08/14/2024

Batch R351680 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-102AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.10**	2.000	0	105.2	2.128	1.18	08/14/2024

Batch R351680 **SampType:** DUP Units **mg/L** RPD Limit: **15**
SampID: 24080444-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**0.48**				0.4850	0.41	08/14/2024

SW-846 9251 (DISSOLVED)

Batch R349718 **SampType:** MS Units **mg/L**
SampID: 24061026-053BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8	E	**120**	40.00	78.35	104.5	85	115	07/03/2024

Batch R349718 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-053BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8	E	**116**	40.00	78.35	93.3	120.1	3.80	07/03/2024

Batch R349718 **SampType:** MS Units **mg/L**
SampID: 24070182-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**159**	100.0	64.81	93.8	85	115	07/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9251 (DISSOLVED)

Batch R349718 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070182-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**159**	100.0	64.81	94.4	158.6	0.35	07/03/2024

Batch R349718 **SampType:** MS Units **mg/L**
SampID: 24070182-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**30**	20.00	11.59	91.1	85	115	07/03/2024

Batch R349718 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070182-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**30**	20.00	11.59	92.0	29.81	0.64	07/03/2024

Batch R349891 **SampType:** MS Units **mg/L**
SampID: 24070386-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**33**	20.00	14.91	90.2	85	115	07/08/2024

Batch R349891 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070386-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**33**	20.00	14.91	90.6	32.94	0.24	07/08/2024

Batch R349943 **SampType:** MS Units **mg/L**
SampID: 24061026-062BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**156**	100.0	62.46	93.0	85	115	07/09/2024

Batch R349943 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-062BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**155**	100.0	62.46	92.9	155.5	0.07	07/09/2024

Batch R349979 **SampType:** MS Units **mg/L**
SampID: 24070571-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**42**	20.00	25.25	86.2	85	115	07/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9251 (DISSOLVED)

Batch R349979 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070571-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**43**	20.00	25.25	88.2	42.48	0.96	07/10/2024

Batch R350172 **SampType:** MS Units **mg/L**
SampID: 24061026-034BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**55**	20.00	36.24	93.0	85	115	07/12/2024

Batch R350172 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-034BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**54**	20.00	36.24	90.0	54.84	1.10	07/12/2024

Batch R350234 **SampType:** MS Units **mg/L**
SampID: 24071020-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**22**	20.00	3.050	96.0	85	115	07/15/2024

Batch R350234 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24071020-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**22**	20.00	3.050	97.0	22.24	0.94	07/15/2024

Batch R351860 **SampType:** MS Units **mg/L**
SampID: 24080823-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		200		**1520**	1000	606.4	91.8	85	115	08/15/2024

Batch R351860 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24080823-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		200		**1520**	1000	606.4	91.8	1524	0.03	08/15/2024

Batch R351860 **SampType:** MS Units **mg/L**
SampID: 24080857-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**66**	20.00	47.08	95.2	85	115	08/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9251 (DISSOLVED)

Batch R351860 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 24080857-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**66**	20.00	47.08	95.4	66.11	0.09	08/15/2024

Batch R351927 **SampType:** MS Units **mg/L**

SampID: 24080241-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**26**	20.00	6.550	96.3	85	115	08/16/2024

Batch R351927 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 24080241-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**26**	20.00	6.550	98.2	25.81	1.46	08/16/2024

Batch R351927 **SampType:** MS Units **mg/L**

SampID: 24080241-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**146**	100.0	53.35	93.1	85	115	08/16/2024

Batch R351927 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 24080241-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**146**	100.0	53.35	93.1	146.5	0.00	08/16/2024

Batch R351927 **SampType:** MS Units **mg/L**

SampID: 24080241-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**47**	20.00	28.53	91.8	85	115	08/16/2024

Batch R351927 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 24080241-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**47**	20.00	28.53	91.4	46.88	0.13	08/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9251 (TOTAL)

Batch R349718 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	07/03/2024

Batch R349718 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	99.3	90	110	07/03/2024

Batch R349718 **SampType:** MS Units **mg/L**
SampID: 24061026-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**66**	20.00	46.93	97.7	85	115	07/03/2024

Batch R349718 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**67**	20.00	46.93	99.0	66.46	0.39	07/03/2024

Batch R349718 **SampType:** MS Units **mg/L**
SampID: 24070024-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**45**	20.00	28.10	85.6	85	115	07/03/2024

Batch R349718 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070024-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**46**	20.00	28.10	89.1	45.22	1.54	07/03/2024

Batch R349891 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	07/08/2024

Batch R349891 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	100.1	90	110	07/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9251 (TOTAL)

Batch R349891 **SampType:** MS Units **mg/L**
SampID: 24070428-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**51**	20.00	34.10	85.3	85	115	07/08/2024

Batch R349891 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070428-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**52**	20.00	34.10	89.5	51.15	1.65	07/08/2024

Batch R349943 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	07/09/2024

Batch R349943 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.7	90	110	07/09/2024

Batch R349943 **SampType:** MS Units **mg/L**
SampID: 24070426-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	3.650	99.6	85	115	07/09/2024

Batch R349943 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070426-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**23**	20.00	3.650	99.0	23.56	0.43	07/09/2024

Batch R349943 **SampType:** MS Units **mg/L**
SampID: 24070559-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**48**	20.00	29.35	91.5	85	115	07/09/2024

Batch R349943 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070559-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**48**	20.00	29.35	93.0	47.65	0.65	07/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9251 (TOTAL)

Batch R349979 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	07/10/2024

Batch R349979 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.0	90	110	07/10/2024

Batch R349979 **SampType:** MS Units **mg/L**
SampID: 24061026-054AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**166**	100.0	76.84	88.9	85	115	07/10/2024

Batch R349979 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-054AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**164**	100.0	76.84	86.8	165.7	1.23	07/10/2024

Batch R349979 **SampType:** MS Units **mg/L**
SampID: 24070656-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**62**	40.00	25.31	92.9	85	115	07/10/2024

Batch R349979 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070656-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**63**	40.00	25.31	94.7	62.46	1.18	07/10/2024

Batch R349979 **SampType:** MS Units **mg/L**
SampID: 24070704-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		2000		**17500**	10000	8389	91.5	85	115	07/10/2024

Batch R349979 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070704-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		2000		**17300**	10000	8389	89.3	17540	1.27	07/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9251 (TOTAL)

Batch R350172 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	07/12/2024

Batch R350172 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	97.9	90	110	07/12/2024

Batch R350172 **SampType:** MS Units **mg/L**
SampID: 24061026-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**91**	40.00	54.41	91.0	85	115	07/12/2024

Batch R350172 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**89**	40.00	54.41	86.5	90.80	1.98	07/12/2024

Batch R350172 **SampType:** MS Units **mg/L**
SampID: 24070740-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**79**	40.00	43.40	89.2	85	115	07/12/2024

Batch R350172 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070740-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**78**	40.00	43.40	87.7	79.08	0.77	07/12/2024

Batch R350172 **SampType:** MS Units **mg/L**
SampID: 24070825-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**33**	20.00	15.21	90.0	85	115	07/13/2024

Batch R350172 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070825-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**33**	20.00	15.21	88.6	33.20	0.85	07/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9251 (TOTAL)

Batch R350172 **SampType:** MS Units **mg/L**
SampID: 24070832-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**28**	20.00	8.540	97.2	85	115	07/12/2024

Batch R350172 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070832-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**28**	20.00	8.540	97.0	27.97	0.11	07/12/2024

Batch R350172 **SampType:** MS Units **mg/L**
SampID: 24070962-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**275**	200.0	89.97	92.8	85	115	07/13/2024

Batch R350172 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24070962-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**274**	200.0	89.97	92.1	275.5	0.45	07/13/2024

Batch R350234 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	07/15/2024

Batch R350234 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.8	90	110	07/15/2024

Batch R350234 **SampType:** MS Units **mg/L**
SampID: 24061026-022AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**149**	100.0	55.25	94.0	85	115	07/15/2024

Batch R350234 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24061026-022AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**149**	100.0	55.25	94.0	149.2	0.01	07/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9251 (TOTAL)

Batch R350317 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	07/16/2024

Batch R350317 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	100.1	90	110	07/16/2024

Batch R350317 **SampType:** MS Units **mg/L**
SampID: 24071150-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	4.900	97.0	85	115	07/16/2024

Batch R350317 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24071150-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**25**	20.00	4.900	98.7	24.30	1.39	07/16/2024

Batch R350317 **SampType:** MS Units **mg/L**
SampID: 24071163-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**50**	20.00	32.17	89.7	85	115	07/16/2024

Batch R350317 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24071163-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**51**	20.00	32.17	92.4	50.11	1.05	07/16/2024

Batch R350942 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	07/29/2024

Batch R350942 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.2	90	110	07/29/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9251 (TOTAL)

Batch R350942 **SampType:** MS Units **mg/L**
SampID: 24071132-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**33**	20.00	14.64	91.7	85	115	07/29/2024

Batch R350942 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24071132-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**33**	20.00	14.64	90.4	32.97	0.79	07/29/2024

Batch R350942 **SampType:** MS Units **mg/L**
SampID: 24071132-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**37**	20.00	19.34	90.2	85	115	07/29/2024

Batch R350942 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24071132-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**37**	20.00	19.34	88.4	37.39	0.97	07/29/2024

Batch R350942 **SampType:** MS Units **mg/L**
SampID: 24071132-013AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8	E	**123**	40.00	84.65	95.8	85	115	07/29/2024

Batch R350942 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24071132-013AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8	E	**121**	40.00	84.65	91.7	123.0	1.34	07/29/2024

Batch R350942 **SampType:** MS Units **mg/L**
SampID: 24071773-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		80		**668**	400.0	315.5	88.1	85	115	07/29/2024

Batch R350942 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24071773-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		80		**676**	400.0	315.5	90.0	667.9	1.16	07/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9251 (TOTAL)

Batch R350942 **SampType:** MS Units **mg/L**
SampID: 24071875-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**363**	200.0	188.6	87.3	85	115	07/29/2024

Batch R350942 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24071875-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**364**	200.0	188.6	87.5	363.1	0.13	07/29/2024

Batch R350942 **SampType:** MS Units **mg/L**
SampID: 24072346-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**27**	20.00	8.420	95.0	85	115	07/29/2024

Batch R350942 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24072346-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**27**	20.00	8.420	95.2	27.41	0.15	07/29/2024

Batch R351860 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/15/2024

Batch R351860 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.3	90	110	08/15/2024

Batch R351860 **SampType:** MS Units **mg/L**
SampID: 24080717-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	H	**34**	20.00	15.42	90.8	85	115	08/15/2024

Batch R351860 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24080717-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	H	**34**	20.00	15.42	91.1	33.58	0.18	08/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9251 (TOTAL)

Batch R351860 **SampType:** MS Units **mg/L**
SampID: 24080855-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		80		**872**	400.0	507.2	91.1	85	115	08/15/2024

Batch R351860 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24080855-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		80		**858**	400.0	507.2	87.8	871.7	1.54	08/15/2024

Batch R351927 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/16/2024

Batch R351927 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	99.0	90	110	08/16/2024

Batch R351927 **SampType:** MS Units **mg/L**
SampID: 24080002-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**22**	20.00	2.650	97.6	85	115	08/16/2024

Batch R351927 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24080002-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**22**	20.00	2.650	97.2	22.17	0.36	08/16/2024

Batch R351927 **SampType:** MS Units **mg/L**
SampID: 24080004-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**198**	100.0	109.2	88.4	85	115	08/16/2024

Batch R351927 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24080004-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**199**	100.0	109.2	90.2	197.6	0.89	08/16/2024

Teklab, Inc.
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Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 9251 (TOTAL)

Batch R351927 **SampType:** MS Units **mg/L**
SampID: 24080876-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**353**	200.0	142.9	104.9	85	115	08/16/2024

Batch R351927 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24080876-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**346**	200.0	142.9	101.7	352.6	1.84	08/16/2024

Batch R352062 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/20/2024

Batch R352062 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.6	90	110	08/20/2024

Batch R352062 **SampType:** MS Units **mg/L**
SampID: 24080242-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**47**	20.00	28.68	91.0	85	115	08/20/2024

Batch R352062 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24080242-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**46**	20.00	28.68	89.0	46.87	0.84	08/20/2024

Batch R352062 **SampType:** MS Units **mg/L**
SampID: 24080242-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**55**	20.00	37.19	87.8	85	115	08/20/2024

Batch R352062 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24080242-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**55**	20.00	37.19	87.0	54.74	0.26	08/20/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 9251 (TOTAL)

Batch R352062 **SampType:** MS Units **mg/L**
SampID: 24080243-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**204**	100.0	108.5	95.2	85	115	08/20/2024

Batch R352062 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24080243-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**200**	100.0	108.5	91.7	203.7	1.71	08/20/2024

Batch R352062 **SampType:** MS Units **mg/L**
SampID: 24080243-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**358**	200.0	175.5	91.5	85	115	08/20/2024

Batch R352062 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24080243-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**359**	200.0	175.5	91.8	358.5	0.20	08/20/2024

Batch R352062 **SampType:** MS Units **mg/L**
SampID: 24081588-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**27**	20.00	8.000	97.2	85	115	08/20/2024

Batch R352062 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24081588-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**27**	20.00	8.000	97.2	27.44	0.04	08/20/2024

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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225285 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225285

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	07/05/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	07/09/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	07/09/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/05/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/09/2024
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	07/05/2024
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	07/09/2024

Batch 225285 **SampType:** LCS Units **mg/L**
SampID: LCS-225285

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.48**	2.500	0	99.0	85	115	07/09/2024
Calcium		0.100		**2.36**	2.500	0	94.6	85	115	07/05/2024
Magnesium		0.050		**2.27**	2.500	0	90.8	85	115	07/09/2024
Potassium		0.100		**2.58**	2.500	0	103.2	85	115	07/05/2024
Potassium		0.100		**2.66**	2.500	0	106.3	85	115	07/09/2024
Sodium		0.050		**2.55**	2.500	0	101.9	85	115	07/09/2024
Sodium		0.050		**2.51**	2.500	0	100.5	85	115	07/05/2024

Batch 225411 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225411

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	07/09/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	07/09/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	07/09/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	07/09/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	07/09/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	07/09/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	07/09/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	07/09/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/09/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	07/09/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225411 **SampType:** LCS Units **mg/L**
SampID: LCS-225411

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.477**	0.5000	0	95.3	85	115	07/09/2024
Arsenic		0.0250		**0.497**	0.5000	0	99.4	85	115	07/09/2024
Boron		0.0200		**0.480**	0.5000	0	96.1	85	115	07/09/2024
Cadmium		0.0020		**0.0437**	0.0500	0	87.4	85	115	07/09/2024
Calcium		0.100		**2.47**	2.500	0	98.6	85	115	07/09/2024
Chromium		0.0050		**0.195**	0.2000	0	97.3	85	115	07/09/2024
Lead		0.0150		**0.475**	0.5000	0	95.1	85	115	07/09/2024
Magnesium		0.0500		**2.24**	2.500	0	89.8	85	115	07/09/2024
Potassium		0.100		**2.61**	2.500	0	104.2	85	115	07/09/2024
Selenium		0.0400		**0.455**	0.5000	0	91.0	85	115	07/09/2024
Sodium		0.0500		**2.51**	2.500	0	100.3	85	115	07/09/2024

Batch 225500 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225500

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	07/10/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	07/10/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/10/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/10/2024

Batch 225500 **SampType:** LCS Units **mg/L**
SampID: LCS-225500

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.33**	2.500	0	93.3	85	115	07/10/2024
Calcium		0.100		**2.39**	2.500	0	95.5	85	115	07/10/2024
Magnesium		0.0500	S	**2.08**	2.500	0	83.4	85	115	07/10/2024
Magnesium		0.0500		**2.13**	2.500	0	85.3	85	115	07/10/2024
Potassium		0.100		**2.52**	2.500	0	100.8	85	115	07/10/2024
Potassium		0.100		**2.57**	2.500	0	102.9	85	115	07/10/2024
Sodium		0.0500		**2.36**	2.500	0	94.2	85	115	07/10/2024
Sodium		0.0500		**2.41**	2.500	0	96.3	85	115	07/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225500 **SampType:** MS Units **mg/L**
SampID: 24061026-045CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**190**	2.500	192.9	-99.6	75	125	07/10/2024
Magnesium		0.050	S	**137**	2.500	138.7	-55.8	75	125	07/10/2024
Potassium		0.100		**4.36**	2.500	1.829	101.1	75	125	07/10/2024
Sodium		0.050	S	**93.4**	2.500	92.90	20.4	75	125	07/10/2024

Batch 225500 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24061026-045CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**191**	2.500	192.9	-70.8	190.4	0.38	07/10/2024
Magnesium		0.050	S	**138**	2.500	138.7	-46.2	137.3	0.18	07/10/2024
Potassium		0.100		**4.40**	2.500	1.829	102.7	4.358	0.90	07/10/2024
Sodium		0.050	S	**93.6**	2.500	92.90	29.6	93.41	0.25	07/10/2024

Batch 225500 **SampType:** MS Units **mg/L**
SampID: 24061026-061DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**118**	2.500	120.2	-72.4	75	125	07/10/2024
Magnesium		0.050	S	**47.1**	2.500	46.64	19.3	75	125	07/10/2024
Potassium		0.100		**5.11**	2.500	2.689	96.8	75	125	07/10/2024
Sodium		0.050	S	**92.4**	2.500	93.52	-45.2	75	125	07/10/2024

Batch 225500 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24061026-061DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**119**	2.500	120.2	-62.8	118.4	0.20	07/10/2024
Magnesium		0.050	S	**47.1**	2.500	46.64	19.0	47.12	0.01	07/10/2024
Potassium		0.100		**5.10**	2.500	2.689	96.5	5.109	0.14	07/10/2024
Sodium		0.050	S	**93.0**	2.500	93.52	-22.8	92.39	0.60	07/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225569 **SampType:** MBLK Units **mg/L**

SampID: MBLK-225569

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	07/11/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	07/11/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	07/11/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	07/11/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	07/11/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	07/11/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	07/11/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	07/11/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	07/11/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	07/11/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/11/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/11/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	07/11/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/11/2024
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	07/11/2024

Batch 225569 **SampType:** LCS Units **mg/L**

SampID: LCS-225569

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.459**	0.5000	0	91.8	85	115	07/11/2024
Arsenic		0.0250		**0.471**	0.5000	0	94.1	85	115	07/11/2024
Boron		0.0200		**0.468**	0.5000	0	93.7	85	115	07/11/2024
Cadmium		0.0020		**0.0460**	0.0500	0	92.0	85	115	07/11/2024
Calcium		0.100		**2.30**	2.500	0	91.8	85	115	07/11/2024
Calcium		0.100		**2.30**	2.500	0	91.8	85	115	07/11/2024
Chromium		0.0050		**0.184**	0.2000	0	91.8	85	115	07/11/2024
Lead		0.0150		**0.455**	0.5000	0	91.0	85	115	07/11/2024
Magnesium		0.0500		**2.14**	2.500	0	85.7	85	115	07/11/2024
Magnesium		0.050		**2.14**	2.500	0	85.7	85	115	07/11/2024
Potassium		0.100		**2.49**	2.500	0	99.6	85	115	07/11/2024
Potassium		0.100		**2.49**	2.500	0	99.6	85	115	07/11/2024
Selenium		0.0400		**0.450**	0.5000	0	89.9	85	115	07/11/2024
Sodium		0.0500		**2.40**	2.500	0	96.1	85	115	07/11/2024
Sodium		0.050		**2.40**	2.500	0	96.1	85	115	07/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225569 **SampType:** MS Units **mg/L**

SampID: 24061026-043CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**514**	2.500	520.0	-243.2	75	125	07/11/2024
Magnesium		0.050	S	**172**	2.500	174.3	-75.0	75	125	07/11/2024
Potassium		0.100		**3.70**	2.500	1.095	104.1	75	125	07/11/2024
Sodium		0.050	S	**118**	2.500	116.7	59.6	75	125	07/11/2024

Batch 225569 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24061026-043CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**516**	2.500	520.0	-145.6	513.9	0.47	07/11/2024
Magnesium		0.050	S	**173**	2.500	174.3	-36.3	172.4	0.56	07/11/2024
Potassium		0.100		**3.72**	2.500	1.095	105.0	3.697	0.64	07/11/2024
Sodium		0.050	S	**118**	2.500	116.7	61.6	118.2	0.04	07/11/2024

Batch 225569 **SampType:** MS Units **mg/L**

SampID: 24061026-059DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**108**	2.500	106.1	83.6	75	125	07/11/2024
Magnesium		0.050		**43.0**	2.500	40.73	89.7	75	125	07/11/2024
Potassium		0.100		**5.26**	2.500	2.815	97.7	75	125	07/11/2024
Sodium		0.050	S	**97.0**	2.500	95.28	70.4	75	125	07/11/2024

Batch 225569 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24061026-059DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**108**	2.500	106.1	91.6	108.2	0.18	07/11/2024
Magnesium		0.050		**43.0**	2.500	40.73	92.3	42.98	0.15	07/11/2024
Potassium		0.100		**5.46**	2.500	2.815	105.6	5.257	3.71	07/11/2024
Sodium		0.050	S	**98.5**	2.500	95.28	128.8	97.04	1.49	07/11/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225657 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225657

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	07/15/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	07/15/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	07/15/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	07/15/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/15/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/15/2024

Batch 225657 **SampType:** LCS Units **mg/L**
SampID: LCS-225657

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.28**	2.500	0	91.1	85	115	07/15/2024
Iron		0.0400		**1.82**	2.000	0	91.2	85	115	07/15/2024
Magnesium		0.0500		**2.16**	2.500	0	86.3	85	115	07/15/2024
Manganese		0.0070		**0.464**	0.5000	0	92.9	85	115	07/15/2024
Potassium		0.100		**2.43**	2.500	0	97.1	85	115	07/15/2024
Sodium		0.0500		**2.31**	2.500	0	92.3	85	115	07/15/2024

Batch 225657 **SampType:** MS Units **mg/L**
SampID: 24070879-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**62.8**	2.500	61.34	56.8	75	125	07/15/2024
Magnesium		0.050	S	**17.9**	2.500	16.08	72.2	75	125	07/15/2024
Potassium		0.100		**4.29**	2.500	1.925	94.7	75	125	07/15/2024
Sodium		0.050	S	**22.2**	2.500	20.87	54.4	75	125	07/15/2024

Batch 225657 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24070879-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**62.9**	2.500	61.34	60.8	62.76	0.16	07/15/2024
Magnesium		0.050		**18.0**	2.500	16.08	76.1	17.88	0.53	07/15/2024
Potassium		0.100		**4.31**	2.500	1.925	95.4	4.291	0.44	07/15/2024
Sodium		0.050	S	**22.3**	2.500	20.87	56.4	22.23	0.22	07/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225657 **SampType:** MS Units **mg/L**

SampID: 24070981-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**1.92**	2.000	0	95.8	75	125	07/15/2024
Manganese		0.0070		**0.555**	0.5000	0.06410	98.2	75	125	07/15/2024

Batch 225657 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24070981-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**1.93**	2.000	0	96.4	1.915	0.67	07/15/2024
Manganese		0.0070		**0.559**	0.5000	0.06410	99.0	0.5553	0.65	07/15/2024

Batch 225657 **SampType:** MS Units **mg/L**

SampID: 24070982-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**1.83**	2.000	0	91.3	75	125	07/15/2024
Manganese		0.0070		**0.600**	0.5000	0.1322	93.5	75	125	07/15/2024

Batch 225657 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24070982-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**1.89**	2.000	0	94.3	1.826	3.22	07/15/2024
Manganese		0.0070		**0.615**	0.5000	0.1322	96.5	0.5995	2.54	07/15/2024

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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

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

Batch 224960 **SampType:** MBLK Units **mg/L**
SampID: MBLK-224960

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	07/09/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	07/09/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	07/09/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	07/09/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	07/09/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	07/09/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	07/09/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/09/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	07/09/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	07/09/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/09/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	07/09/2024

Batch 224960 **SampType:** LCS Units **mg/L**
SampID: LCS-224960

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium		0.0020		**0.0485**	0.0500	0	97.0	85	115	07/09/2024
Calcium		0.100		**2.66**	2.500	0	106.5	85	115	07/09/2024
Chromium		0.0050		**0.210**	0.2000	0	104.8	85	115	07/09/2024
Cobalt		0.0050		**0.527**	0.5000	0	105.4	85	115	07/09/2024
Lead		0.0150		**0.514**	0.5000	0	102.8	85	115	07/09/2024
Magnesium		0.0500		**2.44**	2.500	0	97.5	85	115	07/09/2024
Molybdenum		0.0100		**0.508**	0.5000	0	101.6	85	115	07/09/2024
Potassium		0.100		**2.76**	2.500	0	110.5	85	115	07/09/2024
Selenium		0.0400		**0.505**	0.5000	0	101.0	85	115	07/09/2024
Silver		0.0070		**0.0528**	0.0500	0	105.6	85	115	07/09/2024
Sodium		0.0500		**2.73**	2.500	0	109.1	85	115	07/09/2024
Thallium		0.0500		**0.254**	0.2500	0	101.6	85	115	07/09/2024

Batch 224960 **SampType:** MS Units **mg/L**
SampID: 24070559-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0150		**1.00**	1.000	0	100.1	75	125	07/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 224960 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24070559-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		0.0150		**0.988**	1.000	0	98.8	1.001	1.30	07/09/2024

Batch 225284 **SampType:** MBLK Units **mg/L**

SampID: MBLK-225284

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	07/08/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	07/08/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/08/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/08/2024

Batch 225284 **SampType:** LCS Units **mg/L**

SampID: LCS-225284

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.59**	2.500	0	103.7	85	115	07/08/2024
Magnesium		0.0500		**2.36**	2.500	0	94.4	85	115	07/08/2024
Potassium		0.100		**2.66**	2.500	0	106.3	85	115	07/08/2024
Sodium		0.0500		**2.54**	2.500	0	101.6	85	115	07/08/2024

Batch 225284 **SampType:** MS Units **mg/L**

SampID: 24061026-058CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**144**	2.500	142.1	79.2	75	125	07/08/2024
Magnesium		0.050		**59.3**	2.500	57.39	76.6	75	125	07/08/2024
Potassium		0.100		**7.04**	2.500	4.516	100.8	75	125	07/08/2024
Sodium		0.050		**126**	2.500	124.2	88.0	75	125	07/08/2024

Batch 225284 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24061026-058CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**141**	2.500	142.1	-35.6	144.1	2.01	07/08/2024
Magnesium		0.050	S	**58.1**	2.500	57.39	29.7	59.31	2.00	07/08/2024
Potassium		0.100		**6.81**	2.500	4.516	91.9	7.037	3.22	07/08/2024
Sodium		0.050	S	**122**	2.500	124.2	-109.2	126.4	3.98	07/08/2024

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Quality Control Results

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Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

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

Batch 225498 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225498

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	07/11/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	07/11/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	07/11/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/11/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	07/11/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	07/11/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/11/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	07/11/2024

Batch 225498 **SampType:** LCS Units **mg/L**
SampID: LCS-225498

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.56**	2.500	0	102.4	85	115	07/11/2024
Magnesium		0.0500		**2.41**	2.500	0	96.6	85	115	07/11/2024
Molybdenum		0.0100		**0.502**	0.5000	0	100.3	85	115	07/11/2024
Potassium		0.100		**2.64**	2.500	0	105.6	85	115	07/11/2024
Selenium		0.0400		**0.515**	0.5000	0	103.1	85	115	07/11/2024
Silver		0.0070		**0.0527**	0.0500	0	105.4	85	115	07/11/2024
Sodium		0.0500		**2.64**	2.500	0	105.7	85	115	07/11/2024
Thallium		0.0500		**0.250**	0.2500	0	99.9	85	115	07/11/2024

Batch 225498 **SampType:** MS Units **mg/L**
SampID: 24061026-017BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**137**	2.500	134.9	89.2	75	125	07/11/2024
Magnesium		0.050		**68.2**	2.500	65.90	93.6	75	125	07/11/2024
Potassium		0.100		**4.38**	2.500	1.696	107.5	75	125	07/11/2024
Sodium		0.050	S	**135**	2.500	131.4	162.4	75	125	07/11/2024

Batch 225498 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24061026-017BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**137**	2.500	134.9	94.8	137.1	0.10	07/11/2024
Magnesium		0.050		**68.4**	2.500	65.90	100.2	68.23	0.24	07/11/2024
Potassium		0.100		**4.40**	2.500	1.696	108.0	4.384	0.30	07/11/2024
Sodium		0.050	S	**135**	2.500	131.4	158.8	135.4	0.07	07/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225498 **SampType:** MS Units **mg/L**
SampID: 24061026-060CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**120**	2.500	114.5	233.6	75	125	07/11/2024
Magnesium		0.050	S	**47.3**	2.500	43.73	144.6	75	125	07/11/2024
Potassium		0.100		**5.86**	2.500	3.113	109.8	75	125	07/11/2024
Sodium		0.050	S	**92.7**	2.500	87.51	208.4	75	125	07/11/2024

Batch 225498 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24061026-060CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**120**	2.500	114.5	204.0	120.4	0.62	07/11/2024
Magnesium		0.050	S	**46.9**	2.500	43.73	127.1	47.34	0.93	07/11/2024
Potassium		0.100		**5.87**	2.500	3.113	110.2	5.858	0.18	07/11/2024
Sodium		0.050	S	**92.1**	2.500	87.51	183.2	92.72	0.68	07/11/2024

Batch 225566 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225566

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	07/12/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	07/12/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/12/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/12/2024

Batch 225566 **SampType:** LCS Units **mg/L**
SampID: LCS-225566

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.42**	2.500	0	96.7	85	115	07/12/2024
Magnesium		0.0500		**2.41**	2.500	0	96.4	85	115	07/12/2024
Potassium		0.100		**2.65**	2.500	0	106.1	85	115	07/12/2024
Sodium		0.0500		**2.59**	2.500	0	103.6	85	115	07/12/2024

Batch 225566 **SampType:** MS Units **mg/L**
SampID: 24061026-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**122**	2.500	115.7	241.6	75	125	07/12/2024
Magnesium		0.050	S	**55.2**	2.500	51.42	150.7	75	125	07/12/2024
Potassium		0.100		**6.05**	2.500	3.159	115.8	75	125	07/12/2024
Sodium		0.050	S	**160**	2.500	153.5	280.8	75	125	07/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225566 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24061026-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**121**	2.500	115.7	196.0	121.8	0.94	07/12/2024
Magnesium		0.050	S	**54.6**	2.500	51.42	126.9	55.19	1.09	07/12/2024
Potassium		0.100		**6.01**	2.500	3.159	113.9	6.054	0.79	07/12/2024
Sodium		0.050	S	**160**	2.500	153.5	261.6	160.5	0.30	07/12/2024

Batch 225659 **SampType:** MBLK Units **mg/L**

SampID: MBLK-225659

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	07/16/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	07/16/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	07/16/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/16/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/16/2024

Batch 225659 **SampType:** LCS Units **mg/L**

SampID: LCS-225659

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.55**	2.500	0	102.0	85	115	07/16/2024
Lead		0.0150		**0.535**	0.5000	0	106.9	85	115	07/16/2024
Magnesium		0.0500		**2.48**	2.500	0	99.1	85	115	07/16/2024
Potassium		0.100		**2.71**	2.500	0	108.4	85	115	07/16/2024
Sodium		0.0500		**2.57**	2.500	0	102.6	85	115	07/16/2024

Batch 225659 **SampType:** MS Units **mg/L**

SampID: 24070962-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.529**	0.5000	0	105.8	75	125	07/16/2024
Lead		0.0150		**0.515**	0.5000	0	103.1	75	125	07/16/2024

Batch 225659 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24070962-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.530**	0.5000	0	106.0	0.5288	0.19	07/16/2024
Lead		0.0150		**0.507**	0.5000	0	101.4	0.5154	1.62	07/16/2024

Teklab, Inc.
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Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 226569 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226569

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/05/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/05/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/05/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/05/2024

Batch 226569 **SampType:** LCS Units **mg/L**
SampID: LCS-226569

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.76**	2.500	0	110.5	85	115	08/05/2024
Magnesium		0.0500		**2.60**	2.500	0	104.1	85	115	08/05/2024
Potassium		0.100		**2.76**	2.500	0	110.3	85	115	08/05/2024
Sodium		0.0500		**2.75**	2.500	0	110.2	85	115	08/05/2024

Batch 226569 **SampType:** MS Units **mg/L**
SampID: 24071451-035CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**61.9**	2.500	56.00	234.8	75	125	08/05/2024
Magnesium		0.050	S	**31.2**	2.500	26.92	169.2	75	125	08/05/2024
Potassium		0.100		**3.38**	2.500	0.5302	114.1	75	125	08/05/2024
Sodium		0.050	S	**68.5**	2.500	63.24	209.2	75	125	08/05/2024

Batch 226569 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24071451-035CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**60.3**	2.500	56.00	172.4	61.87	2.55	08/05/2024
Magnesium		0.050	S	**30.2**	2.500	26.92	132.2	31.15	3.02	08/05/2024
Potassium		0.100		**3.29**	2.500	0.5302	110.4	3.384	2.79	08/05/2024
Sodium		0.050	S	**66.6**	2.500	63.24	136.0	68.47	2.71	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 226925 **SampType:** MBLK Units **mg/L**

SampID: MBLK-226925

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/13/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/12/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/13/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/12/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/13/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/12/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/13/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/12/2024

Batch 226925 **SampType:** LCS Units **mg/L**

SampID: LCS-226925

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.66**	2.500	0	106.3	85	115	08/13/2024
Calcium		0.100		**2.65**	2.500	0	106.0	85	115	08/12/2024
Magnesium		0.0500		**2.38**	2.500	0	95.2	85	115	08/13/2024
Magnesium		0.0500		**2.38**	2.500	0	95.2	85	115	08/12/2024
Potassium		0.100		**2.68**	2.500	0	107.1	85	115	08/12/2024
Potassium		0.100		**2.73**	2.500	0	109.3	85	115	08/13/2024
Sodium		0.0500		**2.70**	2.500	0	108.0	85	115	08/13/2024
Sodium		0.0500		**2.64**	2.500	0	105.8	85	115	08/12/2024

Batch 226933 **SampType:** MBLK Units **mg/L**

SampID: MBLK-226933

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/14/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/12/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/13/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/14/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/13/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/14/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/13/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/12/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/13/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/14/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 226933 **SampType:** LCS Units **mg/L**

SampID: LCS-226933

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.48**	2.500	0	99.2	85	115	08/14/2024
Calcium		0.100		**2.55**	2.500	0	101.8	85	115	08/13/2024
Calcium		0.100		**2.57**	2.500	0	102.6	85	115	08/12/2024
Magnesium		0.0500		**2.31**	2.500	0	92.4	85	115	08/13/2024
Magnesium		0.0500		**2.30**	2.500	0	91.9	85	115	08/14/2024
Potassium		0.100		**2.66**	2.500	0	106.3	85	115	08/12/2024
Potassium		0.100		**2.64**	2.500	0	105.7	85	115	08/13/2024
Potassium		0.100		**2.66**	2.500	0	106.4	85	115	08/14/2024
Sodium		0.0500		**2.53**	2.500	0	101.2	85	115	08/14/2024
Sodium		0.0500		**2.61**	2.500	0	104.3	85	115	08/13/2024
Sodium		0.0500		**2.60**	2.500	0	104.0	85	115	08/12/2024

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

Batch 225285 **SampType:** MBLK Units **µg/L**

SampID: MBLK-225285

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	07/05/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	07/05/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	07/05/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	07/05/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	07/05/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	07/05/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	07/05/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	07/05/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	07/05/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	07/05/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

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

Batch 225285 **SampType:** LCS Units **µg/L**
SampID: LCS-225285

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**415**	500.0	0	83.1	80	120	07/05/2024
Arsenic		1.0		**443**	500.0	0	88.5	80	120	07/05/2024
Boron		25.0		**451**	500.0	0	90.2	80	120	07/05/2024
Cadmium	*	1.0		**50.3**	50.00	0	100.6	80	120	07/05/2024
Chromium		1.5		**183**	200.0	0	91.7	80	120	07/05/2024
Iron		25.0		**1690**	2000	0	84.3	80	120	07/05/2024
Lead		1.0		**456**	500.0	0	91.3	80	120	07/05/2024
Selenium		1.0		**431**	500.0	0	86.1	80	120	07/05/2024
Vanadium		5.0		**443**	500.0	0	88.5	80	120	07/05/2024
Zinc		15.0		**442**	500.0	0	88.4	80	120	07/05/2024

Batch 225285 **SampType:** MS Units **µg/L**
SampID: 24061026-010CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**450**	500.0	12.48	87.4	75	125	07/06/2024
Iron		25.0	S	**3370**	2000	2267	55.2	75	125	07/08/2024

Batch 225285 **SampType:** MSD Units **µg/L** RPD Limit: **20**
SampID: 24061026-010CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**446**	500.0	12.48	86.7	449.7	0.87	07/06/2024
Iron		25.0	S	**3600**	2000	2267	66.4	3372	6.42	07/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225411 **SampType:** MBLK Units **µg/L**

SampID: MBLK-225411

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	S	**1.2**	0.4500	0	277.8	-100	100	07/09/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	07/09/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	07/09/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	07/09/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	07/09/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	07/09/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	07/09/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	07/09/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	07/09/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	07/09/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	07/09/2024

Batch 225411 **SampType:** LCS Units **µg/L**

SampID: LCS-225411

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	B	**438**	500.0	0	87.5	80	120	07/09/2024
Arsenic		1.0		**470**	500.0	0	93.9	80	120	07/09/2024
Boron		25.0		**437**	500.0	0	87.3	80	120	07/09/2024
Cadmium	*	1.0		**46.4**	50.00	0	92.7	80	120	07/09/2024
Chromium		1.5		**190**	200.0	0	95.2	80	120	07/09/2024
Iron		25.0		**1930**	2000	0	96.4	80	120	07/09/2024
Lead		1.0		**436**	500.0	0	87.2	80	120	07/09/2024
Manganese		2.0		**469**	500.0	0	93.9	80	120	07/09/2024
Selenium		1.0		**448**	500.0	0	89.6	80	120	07/09/2024
Vanadium		5.0		**468**	500.0	0	93.6	80	120	07/09/2024
Zinc		15.0		**452**	500.0	0	90.4	80	120	07/09/2024

Batch 225411 **SampType:** MS Units **µg/L**

SampID: 24061026-005DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		25.0		**1860**	2000	12.03	92.6	75	125	07/09/2024
Manganese		2.0		**488**	500.0	23.18	93.0	75	125	07/09/2024
Zinc		15.0		**458**	500.0	7.857	90.0	75	125	07/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225411 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24061026-005DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		25.0		**1890**	2000	12.03	93.8	1865	1.26	07/09/2024
Manganese		2.0		**472**	500.0	23.18	89.7	488.3	3.47	07/09/2024
Zinc		15.0		**453**	500.0	7.857	89.0	458.0	1.11	07/09/2024

Batch 225500 **SampType:** MBLK Units **µg/L**

SampID: MBLK-225500

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	07/10/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	07/10/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	07/10/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	07/10/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	07/10/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	07/10/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	07/10/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	07/10/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	07/10/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	07/10/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	07/10/2024

Batch 225500 **SampType:** LCS Units **µg/L**

SampID: LCS-225500

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**445**	500.0	0	88.9	80	120	07/10/2024
Arsenic		1.0		**462**	500.0	0	92.4	80	120	07/10/2024
Boron		25.0		**424**	500.0	0	84.7	80	120	07/10/2024
Cadmium	*	1.0		**45.2**	50.00	0	90.3	80	120	07/10/2024
Chromium		1.5		**190**	200.0	0	94.8	80	120	07/10/2024
Iron		25.0		**2080**	2000	0	104.2	80	120	07/10/2024
Lead		1.0		**450**	500.0	0	89.9	80	120	07/10/2024
Manganese		2.0		**471**	500.0	0	94.2	80	120	07/10/2024
Selenium		1.0		**463**	500.0	0	92.6	80	120	07/10/2024
Vanadium		5.0		**462**	500.0	0	92.5	80	120	07/10/2024
Zinc		15.0		**450**	500.0	0	89.9	80	120	07/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225500 **SampType:** MS Units **µg/L**

SampID: 24061026-045CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**506**	500.0	0	101.2	75	125	07/10/2024
Boron		25.0		**553**	500.0	29.64	104.7	75	125	07/10/2024
Cadmium	*	1.0		**48.4**	50.00	0	96.9	75	125	07/10/2024
Chromium		1.5		**197**	200.0	0.8586	98.3	75	125	07/10/2024
Iron		25.0		**2150**	2000	146.6	100.3	75	125	07/10/2024
Lead		1.0		**475**	500.0	0	95.1	75	125	07/10/2024
Manganese		2.0		**636**	500.0	136.1	100.1	75	125	07/10/2024
Selenium		1.0		**488**	500.0	0	97.7	75	125	07/10/2024
Zinc		15.0		**464**	500.0	0	92.9	75	125	07/10/2024

Batch 225500 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24061026-045CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**463**	500.0	0	92.5	506.2	8.98	07/10/2024
Boron		25.0		**506**	500.0	29.64	95.4	553.0	8.79	07/10/2024
Cadmium	*	1.0		**44.2**	50.00	0	88.3	48.44	9.23	07/10/2024
Chromium		1.5		**181**	200.0	0.8586	90.0	197.5	8.77	07/10/2024
Iron		25.0		**1980**	2000	146.6	91.7	2153	8.29	07/10/2024
Lead		1.0		**455**	500.0	0	90.9	475.4	4.49	07/10/2024
Manganese		2.0		**577**	500.0	136.1	88.2	636.4	9.74	07/10/2024
Selenium		1.0		**450**	500.0	0	90.0	488.4	8.17	07/10/2024
Zinc		15.0		**434**	500.0	0	86.8	464.4	6.75	07/10/2024

Batch 225500 **SampType:** MS Units **µg/L**

SampID: 24061026-061DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**467**	500.0	0	93.4	75	125	07/10/2024
Arsenic		1.0		**495**	500.0	5.936	97.8	75	125	07/10/2024
Boron		25.0		**607**	500.0	94.35	102.6	75	125	07/10/2024
Cadmium	*	1.0		**48.4**	50.00	0	96.9	75	125	07/10/2024
Chromium		1.5		**193**	200.0	0.7735	95.9	75	125	07/10/2024
Lead		1.0		**476**	500.0	0	95.3	75	125	07/10/2024
Selenium		1.0		**459**	500.0	0	91.8	75	125	07/10/2024
Vanadium		5.0		**487**	500.0	0	97.3	75	125	07/10/2024
Zinc		15.0		**472**	500.0	0	94.3	75	125	07/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225500 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24061026-061DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**506**	500.0	0	101.1	467.1	7.90	07/10/2024
Arsenic		1.0		**503**	500.0	5.936	99.4	494.9	1.62	07/10/2024
Boron		25.0		**638**	500.0	94.35	108.7	607.1	4.95	07/10/2024
Cadmium	*	1.0		**49.6**	50.00	0	99.2	48.44	2.38	07/10/2024
Chromium		1.5		**199**	200.0	0.7735	98.9	192.5	3.14	07/10/2024
Lead		1.0		**499**	500.0	0	99.7	476.3	4.58	07/10/2024
Selenium		1.0		**466**	500.0	0	93.2	458.8	1.57	07/10/2024
Vanadium		5.0		**498**	500.0	0	99.5	486.7	2.20	07/10/2024
Zinc		15.0		**473**	500.0	0	94.6	471.6	0.34	07/10/2024

Batch 225569 **SampType:** MBLK Units **µg/L**

SampID: MBLK-225569

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	07/11/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	07/11/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	07/15/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	07/11/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	07/11/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	07/11/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	07/11/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	07/11/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	07/11/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	07/11/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	07/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225569 **SampType:** LCS Units **µg/L**

SampID: LCS-225569

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**424**	500.0	0	84.8	80	120	07/11/2024
Arsenic		1.0		**432**	500.0	0	86.3	80	120	07/11/2024
Boron		25.0		**449**	500.0	0	89.8	80	120	07/15/2024
Cadmium	*	1.0		**43.4**	50.00	0	86.9	80	120	07/11/2024
Chromium		1.5		**179**	200.0	0	89.5	80	120	07/11/2024
Iron		25.0		**1750**	2000	0	87.4	80	120	07/11/2024
Lead		1.0		**437**	500.0	0	87.5	80	120	07/11/2024
Manganese		2.0		**441**	500.0	0	88.2	80	120	07/11/2024
Selenium		1.0		**430**	500.0	0	86.1	80	120	07/11/2024
Vanadium		5.0		**437**	500.0	0	87.4	80	120	07/11/2024
Zinc		15.0		**440**	500.0	0	88.0	80	120	07/11/2024

Batch 225569 **SampType:** MS Units **µg/L**

SampID: 24061026-043CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**434**	500.0	0	86.8	75	125	07/12/2024
Boron		50.0		**451**	500.0	0	90.1	75	125	07/15/2024
Cadmium	*	1.0		**40.2**	50.00	0	80.4	75	125	07/12/2024
Chromium		3.0		**172**	200.0	1.888	85.2	75	125	07/16/2024
Iron		50.0		**1830**	2000	0	91.4	75	125	07/16/2024
Lead		1.0		**437**	500.0	0	87.5	75	125	07/12/2024
Manganese		4.0		**532**	500.0	89.66	88.5	75	125	07/15/2024
Selenium		1.0		**433**	500.0	0	86.5	75	125	07/12/2024
Zinc		30.0		**441**	500.0	0	88.2	75	125	07/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225569 **SampType:** MSD Units µg/L RPD Limit: 20

SampID: 24061026-043CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**457**	500.0	0	91.4	434.0	5.15	07/12/2024
Boron		50.0		**453**	500.0	0	90.6	450.7	0.46	07/15/2024
Cadmium	*	1.0		**42.6**	50.00	0	85.2	40.20	5.75	07/12/2024
Chromium		3.0		**182**	200.0	1.888	89.8	172.3	5.24	07/16/2024
Iron		50.0		**1900**	2000	0	95.1	1828	3.93	07/16/2024
Lead		1.0		**453**	500.0	0	90.5	437.3	3.42	07/12/2024
Manganese		4.0		**529**	500.0	89.66	88.0	532.1	0.49	07/15/2024
Selenium		1.0		**458**	500.0	0	91.7	432.7	5.78	07/12/2024
Zinc		30.0		**444**	500.0	0	88.8	440.8	0.75	07/15/2024

Batch 225569 **SampType:** MS Units µg/L

SampID: 24061026-059DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**453**	500.0	0	90.5	75	125	07/12/2024
Arsenic		1.0		**453**	500.0	9.716	88.6	75	125	07/12/2024
Boron		25.0		**511**	500.0	91.60	83.8	75	125	07/15/2024
Cadmium	*	1.0		**42.7**	50.00	0	85.3	75	125	07/12/2024
Chromium		1.5		**178**	200.0	1.124	88.5	75	125	07/12/2024
Lead		1.0		**445**	500.0	0	89.0	75	125	07/12/2024
Selenium		1.0		**448**	500.0	0	89.6	75	125	07/12/2024
Vanadium		5.0		**427**	500.0	0	85.5	75	125	07/12/2024
Zinc		15.0		**417**	500.0	0	83.5	75	125	07/12/2024

Batch 225569 **SampType:** MSD Units µg/L RPD Limit: 20

SampID: 24061026-059DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**436**	500.0	0	87.2	452.6	3.76	07/12/2024
Arsenic		1.0		**455**	500.0	9.716	89.0	452.6	0.46	07/12/2024
Boron		25.0		**539**	500.0	91.60	89.4	510.5	5.39	07/15/2024
Cadmium	*	1.0		**41.5**	50.00	0	83.0	42.66	2.78	07/12/2024
Chromium		1.5		**173**	200.0	1.124	86.2	178.1	2.67	07/12/2024
Lead		1.0		**432**	500.0	0	86.4	445.1	2.95	07/12/2024
Selenium		1.0		**454**	500.0	0	90.7	448.1	1.24	07/12/2024
Vanadium		5.0		**425**	500.0	0	85.1	427.3	0.46	07/12/2024
Zinc		15.0		**424**	500.0	0	84.9	417.5	1.64	07/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

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

Batch 225657 **SampType:** MBLK Units **µg/L**
SampID: MBLK-225657

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	07/15/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	07/15/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	07/15/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	07/15/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	07/15/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	07/15/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	07/15/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	07/15/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	07/15/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	07/15/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	07/15/2024

Batch 225657 **SampType:** LCS Units **µg/L**
SampID: LCS-225657

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**444**	500.0	0	88.8	80	120	07/15/2024
Arsenic		1.0		**449**	500.0	0	89.9	80	120	07/15/2024
Boron		25.0		**427**	500.0	0	85.4	80	120	07/15/2024
Cadmium	*	1.0		**44.1**	50.00	0	88.3	80	120	07/15/2024
Chromium		1.5		**175**	200.0	0	87.4	80	120	07/15/2024
Iron		25.0		**1880**	2000	0	93.9	80	120	07/16/2024
Lead		1.0		**439**	500.0	0	87.8	80	120	07/15/2024
Manganese		2.0		**467**	500.0	0	93.3	80	120	07/15/2024
Selenium		1.0		**461**	500.0	0	92.2	80	120	07/15/2024
Vanadium		5.0		**430**	500.0	0	86.0	80	120	07/15/2024
Zinc		15.0		**446**	500.0	0	89.2	80	120	07/15/2024

Batch 225657 **SampType:** MS Units **µg/L**
SampID: 24070879-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**482**	500.0	0	96.3	75	125	07/15/2024
Arsenic		1.0		**470**	500.0	3.960	93.2	75	125	07/15/2024
Lead		1.0		**447**	500.0	0	89.4	75	125	07/15/2024
Selenium		1.0		**463**	500.0	0.8546	92.5	75	125	07/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225657 **SampType:** MSD Units µg/L RPD Limit: 20

SampID: 24070879-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**507**	500.0	0	101.4	481.7	5.15	07/15/2024
Arsenic		1.0		**476**	500.0	3.960	94.5	470.2	1.31	07/15/2024
Lead		1.0		**478**	500.0	0	95.6	447.0	6.67	07/15/2024
Selenium		1.0		**470**	500.0	0.8546	93.9	463.5	1.42	07/15/2024

Batch 225949 **SampType:** MBLK Units µg/L

SampID: MBLK-225949

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	07/22/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	07/23/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	07/22/2024

Batch 225949 **SampType:** LCS Units µg/L

SampID: LCS-225949

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**414**	500.0	0	82.9	80	120	07/22/2024
Iron		25.0		**1980**	2000	0	98.9	80	120	07/23/2024
Manganese		2.0		**422**	500.0	0	84.5	80	120	07/22/2024

Batch 225949 **SampType:** MS Units µg/L

SampID: 24061026-013CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		25.0		**1900**	2000	0	95.2	75	125	07/23/2024
Manganese		2.0		**709**	500.0	289.6	83.9	75	125	07/22/2024

Batch 225949 **SampType:** MSD Units µg/L RPD Limit: 20

SampID: 24061026-013CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		25.0		**1940**	2000	0	96.8	1905	1.60	07/23/2024
Manganese		2.0		**715**	500.0	289.6	85.1	709.4	0.79	07/22/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 226587 **SampType:** MBLK Units **µg/L**
SampID: MBLK-226587

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	S	**1.3**	0.4500	0	299.5	-100	100	08/02/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/02/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/02/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/02/2024

Batch 226587 **SampType:** LCS Units **µg/L**
SampID: LCS-226587

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	B	**464**	500.0	0	92.7	80	120	08/02/2024
Iron		25.0		**2100**	2000	0	104.9	80	120	08/02/2024
Manganese		2.0		**500**	500.0	0	100.0	80	120	08/02/2024
Zinc		15.0		**509**	500.0	0	101.7	80	120	08/02/2024

Batch 226897 **SampType:** MBLK Units **µg/L**
SampID: MBLK-226897

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/09/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/09/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/09/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/09/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/09/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/09/2024

Batch 226897 **SampType:** LCS Units **µg/L**
SampID: LCS-226897

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**488**	500.0	0	97.6	80	120	08/09/2024
Cadmium	*	1.0		**46.3**	50.00	0	92.6	80	120	08/09/2024
Iron		25.0		**1970**	2000	0	98.5	80	120	08/09/2024
Lead		1.0		**441**	500.0	0	88.2	80	120	08/09/2024
Manganese		2.0		**483**	500.0	0	96.7	80	120	08/09/2024
Zinc		15.0		**468**	500.0	0	93.5	80	120	08/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 226897 **SampType:** MS Units µg/L
SampID: 24080004-006DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**493**	500.0	13.61	96.0	75	125	08/09/2024

Batch 226897 **SampType:** MSD Units µg/L RPD Limit: **20**
SampID: 24080004-006DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**500**	500.0	13.61	97.4	493.5	1.41	08/09/2024

Batch 227702 **SampType:** MBLK Units µg/L
SampID: MBLK-227702

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	08/28/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/28/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/28/2024

Batch 227702 **SampType:** LCS Units µg/L
SampID: LCS-227702

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**439**	500.0	0	87.8	80	120	08/28/2024
Lead		1.0		**470**	500.0	0	94.1	80	120	08/28/2024
Manganese		2.0		**499**	500.0	0	99.8	80	120	08/28/2024

Batch 227702 **SampType:** MS Units µg/L
SampID: 24081635-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**525**	500.0	0	105.0	75	125	08/28/2024

Batch 227702 **SampType:** MSD Units µg/L RPD Limit: **20**
SampID: 24081635-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**465**	500.0	0	93.1	525.1	12.07	08/28/2024

Batch 227702 **SampType:** MS Units µg/L
SampID: 24081635-010DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		1.0		**452**	500.0	0	90.3	75	125	08/28/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

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

Batch 227702 **SampType:** MSD Units µg/L RPD Limit: 20
SampID: 24081635-010DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		1.0		**424**	500.0	0	84.8	451.7	6.35	08/28/2024

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

Batch 224960 **SampType:** MBLK Units µg/L
SampID: MBLK-224960

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	07/10/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	07/10/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	07/10/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	07/10/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	07/10/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	07/10/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	07/10/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	07/10/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	07/10/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	07/10/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	07/10/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	07/10/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	07/10/2024

Batch 224960 **SampType:** LCS Units µg/L
SampID: LCS-224960

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**568**	500.0	0	113.7	80	120	07/10/2024
Arsenic		1.0		**540**	500.0	0	108.0	80	120	07/10/2024
Barium		1.0		**2200**	2000	0	109.9	80	120	07/10/2024
Beryllium		1.0		**50.0**	50.00	0	100.0	80	120	07/10/2024
Boron		25.0		**503**	500.0	0	100.7	80	120	07/10/2024
Cadmium	*	1.0		**51.5**	50.00	0	102.9	80	120	07/10/2024
Chromium		1.5		**215**	200.0	0	107.6	80	120	07/10/2024
Cobalt		1.0		**514**	500.0	0	102.9	80	120	07/10/2024
Lead		1.0		**523**	500.0	0	104.6	80	120	07/10/2024
Lithium	*	3.0		**512**	500.0	0	102.4	80	120	07/10/2024
Molybdenum		1.5		**486**	500.0	0	97.2	80	120	07/10/2024
Selenium		1.0		**545**	500.0	0	108.9	80	120	07/10/2024
Thallium		2.0		**238**	250.0	0	95.2	80	120	07/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225284 **SampType:** MBLK Units **µg/L**

SampID: MBLK-225284

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	07/09/2024
Antimony		1.0	S	**1.7**	0.4500	0	371.3	-100	100	07/05/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	07/05/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	07/05/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	07/05/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	07/05/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	07/05/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	07/05/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	07/05/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	07/05/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	07/05/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	07/08/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	07/05/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	07/05/2024

Batch 225284 **SampType:** LCS Units **µg/L**

SampID: LCS-225284

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	B	**531**	500.0	0	106.2	80	120	07/05/2024
Arsenic		1.0		**488**	500.0	0	97.6	80	120	07/05/2024
Barium		1.0		**1940**	2000	0	96.9	80	120	07/05/2024
Beryllium		1.0		**49.1**	50.00	0	98.2	80	120	07/05/2024
Boron		25.0		**486**	500.0	0	97.2	80	120	07/05/2024
Cadmium	*	1.0		**55.3**	50.00	0	110.6	80	120	07/05/2024
Chromium		1.5		**196**	200.0	0	97.9	80	120	07/05/2024
Cobalt		1.0		**479**	500.0	0	95.9	80	120	07/05/2024
Lead		1.0		**486**	500.0	0	97.3	80	120	07/05/2024
Lithium	*	3.0		**495**	500.0	0	99.0	80	120	07/05/2024
Molybdenum		1.5		**411**	500.0	0	82.1	80	120	07/08/2024
Selenium		1.0		**477**	500.0	0	95.4	80	120	07/05/2024
Thallium		2.0		**227**	250.0	0	90.9	80	120	07/05/2024

Batch 225284 **SampType:** MS Units **µg/L**

SampID: 24061026-058CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**597**	500.0	158.6	87.7	75	125	07/05/2024

Teklab, Inc.
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Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

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

Batch 225284 **SampType:** MSD Units µg/L RPD Limit: 20
SampID: 24061026-058CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		25.0		**582**	500.0	158.6	84.7	597.2	2.60	07/05/2024

Batch 225498 **SampType:** MBLK Units µg/L
SampID: MBLK-225498

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	07/11/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	07/11/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	07/11/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	07/11/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	07/11/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	07/11/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	07/11/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	07/11/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	07/11/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	07/11/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	07/11/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	07/11/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	07/11/2024

Batch 225498 **SampType:** LCS Units µg/L
SampID: LCS-225498

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**556**	500.0	0	111.1	80	120	07/11/2024
Arsenic		1.0		**546**	500.0	0	109.2	80	120	07/11/2024
Barium		1.0		**2070**	2000	0	103.7	80	120	07/11/2024
Beryllium		1.0		**53.6**	50.00	0	107.2	80	120	07/11/2024
Boron		25.0		**523**	500.0	0	104.6	80	120	07/11/2024
Cadmium	*	1.0		**53.4**	50.00	0	106.8	80	120	07/11/2024
Chromium		1.5		**224**	200.0	0	111.9	80	120	07/11/2024
Cobalt		1.0		**544**	500.0	0	108.8	80	120	07/11/2024
Lead		1.0		**539**	500.0	0	107.9	80	120	07/11/2024
Lithium	*	3.0		**571**	500.0	0	114.2	80	120	07/11/2024
Molybdenum		1.5		**504**	500.0	0	100.8	80	120	07/11/2024
Selenium		1.0		**517**	500.0	0	103.5	80	120	07/11/2024
Thallium		2.0		**246**	250.0	0	98.3	80	120	07/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225498 **SampType:** MS Units **µg/L**

SampID: 24061026-017BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**504**	500.0	0	100.8	75	125	07/11/2024
Arsenic		1.0		**500**	500.0	8.134	98.3	75	125	07/11/2024
Barium		1.0		**1960**	2000	52.73	95.3	75	125	07/11/2024
Beryllium		1.0		**51.1**	50.00	0	102.2	75	125	07/11/2024
Boron		25.0		**612**	500.0	111.0	100.3	75	125	07/11/2024
Cadmium	*	1.0		**45.8**	50.00	0	91.6	75	125	07/11/2024
Chromium		1.5		**187**	200.0	1.332	92.9	75	125	07/11/2024
Cobalt		1.0		**464**	500.0	0	92.7	75	125	07/11/2024
Lead		1.0		**492**	500.0	0	98.4	75	125	07/11/2024
Lithium	*	3.0		**570**	500.0	19.81	110.0	75	125	07/11/2024
Molybdenum		1.5		**457**	500.0	4.975	90.4	75	125	07/12/2024
Selenium		1.0		**475**	500.0	0	94.9	75	125	07/11/2024
Thallium		2.0		**245**	250.0	0	97.9	75	125	07/11/2024

Batch 225498 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24061026-017BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**514**	500.0	0	102.7	504.0	1.88	07/11/2024
Arsenic		1.0		**504**	500.0	8.134	99.2	499.7	0.92	07/11/2024
Barium		1.0		**1940**	2000	52.73	94.1	1958	1.19	07/11/2024
Beryllium		1.0		**50.1**	50.00	0	100.2	51.12	1.98	07/11/2024
Boron		25.0		**609**	500.0	111.0	99.6	612.3	0.51	07/11/2024
Cadmium	*	1.0		**47.2**	50.00	0	94.3	45.79	2.94	07/11/2024
Chromium		1.5		**198**	200.0	1.332	98.1	187.2	5.39	07/11/2024
Cobalt		1.0		**467**	500.0	0	93.3	463.5	0.65	07/11/2024
Lead		1.0		**517**	500.0	0	103.4	491.9	4.93	07/11/2024
Lithium	*	3.0		**568**	500.0	19.81	109.6	569.6	0.34	07/11/2024
Molybdenum		1.5		**451**	500.0	4.975	89.3	456.9	1.22	07/12/2024
Selenium		1.0		**479**	500.0	0	95.9	474.7	0.96	07/11/2024
Thallium		2.0		**243**	250.0	0	97.3	244.8	0.64	07/11/2024

Batch 225498 **SampType:** MS Units **µg/L**

SampID: 24061026-060CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**624**	500.0	107.0	103.4	75	125	07/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

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

Batch 225498 **SampType:** MSD Units µg/L RPD Limit: 20
SampID: 24061026-060CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		25.0		**629**	500.0	107.0	104.3	623.8	0.76	07/11/2024

Batch 225566 **SampType:** MBLK Units µg/L
SampID: MBLK-225566

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	07/12/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	07/12/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	07/12/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	07/12/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	07/15/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	07/12/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	07/12/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	07/12/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	07/12/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	07/12/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	07/12/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	07/12/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	07/12/2024

Batch 225566 **SampType:** LCS Units µg/L
SampID: LCS-225566

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**536**	500.0	0	107.2	80	120	07/12/2024
Arsenic		1.0		**495**	500.0	0	99.1	80	120	07/12/2024
Barium		1.0		**2000**	2000	0	100.0	80	120	07/12/2024
Beryllium		1.0		**48.6**	50.00	0	97.2	80	120	07/12/2024
Boron		25.0		**512**	500.0	0	102.5	80	120	07/15/2024
Cadmium	*	1.0		**49.4**	50.00	0	98.8	80	120	07/12/2024
Chromium		1.5		**210**	200.0	0	104.8	80	120	07/12/2024
Cobalt		1.0		**488**	500.0	0	97.7	80	120	07/12/2024
Lead		1.0		**510**	500.0	0	101.9	80	120	07/12/2024
Lithium	*	3.0		**509**	500.0	0	101.8	80	120	07/12/2024
Molybdenum		1.5		**462**	500.0	0	92.4	80	120	07/12/2024
Selenium		1.0		**500**	500.0	0	100.0	80	120	07/12/2024
Thallium		2.0		**241**	250.0	0	96.3	80	120	07/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

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

Batch 225566 **SampType:** MS Units **µg/L**
SampID: 24061026-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**678**	500.0	174.9	100.6	75	125	07/15/2024

Batch 225566 **SampType:** MSD Units **µg/L** RPD Limit: **20**
SampID: 24061026-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		25.0		**657**	500.0	174.9	96.4	677.9	3.12	07/15/2024

Batch 225659 **SampType:** MBLK Units **µg/L**
SampID: MBLK-225659

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	07/15/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	07/15/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	07/15/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	07/15/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	07/15/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	07/15/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	07/15/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	07/15/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	07/15/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	07/15/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	07/15/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	07/15/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	07/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 225659 **SampType:** LCS Units µg/L

SampID: LCS-225659

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**563**	500.0	0	112.7	80	120	07/15/2024
Arsenic		1.0		**532**	500.0	0	106.3	80	120	07/15/2024
Barium		1.0		**2170**	2000	0	108.5	80	120	07/15/2024
Beryllium		1.0		**48.4**	50.00	0	96.8	80	120	07/15/2024
Boron		25.0		**470**	500.0	0	94.1	80	120	07/15/2024
Cadmium	*	1.0		**52.4**	50.00	0	104.7	80	120	07/15/2024
Chromium		1.5		**213**	200.0	0	106.7	80	120	07/15/2024
Cobalt		1.0		**524**	500.0	0	104.9	80	120	07/15/2024
Lead		1.0		**518**	500.0	0	103.6	80	120	07/15/2024
Lithium	*	3.0		**509**	500.0	0	101.7	80	120	07/15/2024
Molybdenum		1.5		**489**	500.0	0	97.7	80	120	07/15/2024
Selenium		1.0		**540**	500.0	0	107.9	80	120	07/15/2024
Thallium		2.0		**235**	250.0	0	93.9	80	120	07/15/2024

Batch 226569 **SampType:** MBLK Units µg/L

SampID: MBLK-226569

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	08/05/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/05/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/05/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/05/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/05/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/05/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/05/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/05/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/05/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	08/05/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/05/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 226569 **SampType:** LCS Units **µg/L**

SampID: LCS-226569

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**587**	500.0	0	117.5	80	120	08/05/2024
Arsenic		1.0		**523**	500.0	0	104.7	80	120	08/05/2024
Barium		1.0		**2150**	2000	0	107.6	80	120	08/05/2024
Cadmium	*	1.0		**52.7**	50.00	0	105.4	80	120	08/05/2024
Chromium		1.5		**211**	200.0	0	105.3	80	120	08/05/2024
Cobalt		1.0		**528**	500.0	0	105.5	80	120	08/05/2024
Lead		1.0	S	**600**	500.0	0	120.1	80	120	08/05/2024
Molybdenum		1.5		**467**	500.0	0	93.3	80	120	08/05/2024
Selenium		1.0		**551**	500.0	0	110.1	80	120	08/05/2024
Silver		1.0		**49.4**	50.00	0	98.9	80	120	08/05/2024
Thallium		2.0		**211**	250.0	0	84.2	80	120	08/05/2024

Batch 226569 **SampType:** MS Units **µg/L**

SampID: 24071451-035CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**537**	500.0	0	107.5	75	125	08/06/2024
Arsenic		1.0		**511**	500.0	0	102.3	75	125	08/06/2024
Barium		1.0		**2060**	2000	52.07	100.2	75	125	08/06/2024
Beryllium		1.0		**52.4**	50.00	0	104.8	75	125	08/06/2024
Boron		25.0		**541**	500.0	0	108.1	75	125	08/06/2024
Cadmium	*	1.0		**51.0**	50.00	0	102.0	75	125	08/06/2024
Chromium		1.5		**207**	200.0	0	103.5	75	125	08/06/2024
Cobalt		1.0		**493**	500.0	0	98.5	75	125	08/06/2024
Lead		1.0		**546**	500.0	0	109.2	75	125	08/06/2024
Lithium	*	3.0		**541**	500.0	1.655	108.0	75	125	08/06/2024
Molybdenum		1.5		**469**	500.0	0	93.9	75	125	08/06/2024
Selenium		1.0		**528**	500.0	0	105.5	75	125	08/06/2024
Silver		1.0		**48.1**	50.00	0	96.2	75	125	08/06/2024
Thallium		2.0		**221**	250.0	0	88.3	75	125	08/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 226569 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24071451-035CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**556**	500.0	0	111.2	537.3	3.41	08/06/2024
Arsenic		1.0		**507**	500.0	0	101.4	511.4	0.82	08/06/2024
Barium		1.0		**2110**	2000	52.07	103.0	2055	2.75	08/06/2024
Beryllium		1.0		**52.0**	50.00	0	104.1	52.38	0.65	08/06/2024
Boron		25.0		**531**	500.0	0	106.3	540.5	1.71	08/06/2024
Cadmium	*	1.0		**52.0**	50.00	0	104.0	51.01	1.93	08/06/2024
Chromium		1.5		**195**	200.0	0	97.7	207.0	5.73	08/06/2024
Cobalt		1.0		**479**	500.0	0	95.7	492.5	2.84	08/06/2024
Lead		1.0		**519**	500.0	0	103.8	545.8	5.04	08/06/2024
Lithium	*	3.0		**535**	500.0	1.655	106.6	541.4	1.26	08/06/2024
Molybdenum		1.5		**472**	500.0	0	94.5	469.5	0.60	08/06/2024
Selenium		1.0		**529**	500.0	0	105.7	527.7	0.16	08/06/2024
Silver		1.0		**51.3**	50.00	0	102.6	48.08	6.45	08/06/2024
Thallium		2.0		**211**	250.0	0	84.4	220.7	4.50	08/06/2024

Batch 226925 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226925

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	08/12/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/12/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/12/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/12/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/12/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/12/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/12/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/12/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/12/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	08/12/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/12/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/12/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 226925 **SampType:** LCS Units **µg/L**

SampID: LCS-226925

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**514**	500.0	0	102.8	80	120	08/12/2024
Arsenic		1.0		**487**	500.0	0	97.4	80	120	08/12/2024
Barium		1.0		**1920**	2000	0	95.9	80	120	08/12/2024
Beryllium		1.0		**48.6**	50.00	0	97.1	80	120	08/12/2024
Boron		25.0		**477**	500.0	0	95.3	80	120	08/12/2024
Cadmium	*	1.0		**47.7**	50.00	0	95.4	80	120	08/12/2024
Chromium		1.5		**200**	200.0	0	100.1	80	120	08/12/2024
Cobalt		1.0		**488**	500.0	0	97.7	80	120	08/12/2024
Lead		1.0		**511**	500.0	0	102.3	80	120	08/12/2024
Lithium	*	3.0		**506**	500.0	0	101.2	80	120	08/12/2024
Molybdenum		1.5		**439**	500.0	0	87.9	80	120	08/12/2024
Selenium		1.0		**489**	500.0	0	97.9	80	120	08/12/2024
Thallium		2.0		**222**	250.0	0	88.8	80	120	08/12/2024

Batch 226933 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226933

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	08/12/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/12/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/12/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/12/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/14/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/12/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/12/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/12/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/12/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	08/12/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/12/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/12/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 226933 **SampType:** LCS Units µg/L

SampID: LCS-226933

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**547**	500.0	0	109.5	80	120	08/12/2024
Arsenic		1.0		**525**	500.0	0	104.9	80	120	08/12/2024
Barium		1.0		**2160**	2000	0	108.1	80	120	08/12/2024
Beryllium		1.0		**50.5**	50.00	0	100.9	80	120	08/12/2024
Boron		25.0		**515**	500.0	0	103.1	80	120	08/14/2024
Cadmium	*	1.0		**50.9**	50.00	0	101.8	80	120	08/12/2024
Chromium		1.5		**209**	200.0	0	104.3	80	120	08/12/2024
Cobalt		1.0		**530**	500.0	0	106.0	80	120	08/12/2024
Lead		1.0		**506**	500.0	0	101.2	80	120	08/12/2024
Lithium	*	3.0		**510**	500.0	0	102.0	80	120	08/12/2024
Molybdenum		1.5		**480**	500.0	0	96.0	80	120	08/12/2024
Selenium		1.0		**509**	500.0	0	101.9	80	120	08/12/2024
Thallium		2.0		**246**	250.0	0	98.4	80	120	08/12/2024

Batch 227698 **SampType:** MBLK Units µg/L

SampID: MBLK-227698

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	08/28/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/28/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/29/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/28/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/28/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/28/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/28/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/28/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/28/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

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

Batch 227698 **SampType:** LCS Units µg/L
SampID: LCS-227698

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**536**	500.0	0	107.2	80	120	08/28/2024
Arsenic		1.0		**536**	500.0	0	107.1	80	120	08/28/2024
Barium		1.0		**2110**	2000	0	105.6	80	120	08/29/2024
Cadmium	*	1.0		**50.1**	50.00	0	100.3	80	120	08/28/2024
Chromium		1.5		**196**	200.0	0	97.9	80	120	08/28/2024
Cobalt		1.0		**502**	500.0	0	100.3	80	120	08/28/2024
Lead		1.0		**493**	500.0	0	98.5	80	120	08/28/2024
Molybdenum		1.5		**477**	500.0	0	95.4	80	120	08/28/2024
Selenium		1.0		**488**	500.0	0	97.7	80	120	08/28/2024

SW-846 7470A (DISSOLVED)

Batch 225289 **SampType:** MS Units µg/L
SampID: 24061026-003CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.25**	5.000	0	105.0	75	125	07/08/2024

Batch 225289 **SampType:** MSD Units µg/L RPD Limit: **15**
SampID: 24061026-003CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.18**	5.000	0	103.6	5.248	1.28	07/08/2024

Batch 225289 **SampType:** MS Units µg/L
SampID: 24061026-053CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.09**	5.000	0	101.7	75	125	07/08/2024

Batch 225289 **SampType:** MSD Units µg/L RPD Limit: **15**
SampID: 24061026-053CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.87**	5.000	0	97.4	5.085	4.28	07/08/2024

Batch 225311 **SampType:** MBLK Units µg/L
SampID: MBLK-225311

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	07/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 7470A (DISSOLVED)

Batch 225311 **SampType:** LCS Units µg/L
SampID: LCS-225311

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.13**	5.000	0	102.5	85	115	07/08/2024

SW-846 7470A (TOTAL)

Batch 225289 **SampType:** MBLK Units µg/L
SampID: MBLK-225289

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	07/08/2024

Batch 225289 **SampType:** LCS Units µg/L
SampID: LCS-225289

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.14**	5.000	0	102.7	85	115	07/08/2024

Batch 225412 **SampType:** MBLK Units µg/L
SampID: MBLK-225412

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	07/09/2024

Batch 225412 **SampType:** LCS Units µg/L
SampID: LCS-225412

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.08**	5.000	0	101.7	85	115	07/09/2024

Batch 225501 **SampType:** MBLK Units µg/L
SampID: MBLK-225501

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	07/10/2024

Batch 225501 **SampType:** LCS Units µg/L
SampID: LCS-225501

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.56**	5.000	0	111.3	85	115	07/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 7470A (TOTAL)

Batch 225501 **SampType:** MS Units µg/L
SampID: 24061026-004CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.64**	5.000	0	112.8	75	125	07/10/2024

Batch 225501 **SampType:** MSD Units µg/L RPD Limit: **15**
SampID: 24061026-004CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.52**	5.000	0	110.5	5.641	2.09	07/10/2024

Batch 225501 **SampType:** MS Units µg/L
SampID: 24061026-021BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.51**	5.000	0	110.2	75	125	07/10/2024

Batch 225501 **SampType:** MSD Units µg/L RPD Limit: **15**
SampID: 24061026-021BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.32**	5.000	0	106.5	5.508	3.39	07/10/2024

Batch 225565 **SampType:** MBLK Units µg/L
SampID: MBLK-225565

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	07/11/2024

Batch 225565 **SampType:** LCS Units µg/L
SampID: LCS-225565

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.12**	5.000	0	102.3	85	115	07/11/2024

Batch 225565 **SampType:** MS Units µg/L
SampID: 24061026-020BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.46**	5.000	0	109.1	75	125	07/11/2024

Batch 225565 **SampType:** MSD Units µg/L RPD Limit: **15**
SampID: 24061026-020BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.09**	5.000	0	101.9	5.456	6.85	07/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

SW-846 7470A (TOTAL)

Batch 225717 **SampType:** MBLK Units **µg/L**
SampID: MBLK-225717

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	07/16/2024

Batch 225717 **SampType:** LCS Units **µg/L**
SampID: LCS-225717

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.60**	5.000	0	92.0	85	115	07/16/2024

Batch 226926 **SampType:** MBLK Units **µg/L**
SampID: MBLK-226926

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	08/13/2024

Batch 226926 **SampType:** LCS Units **µg/L**
SampID: LCS-226926

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.34**	5.000	0	106.7	85	115	08/13/2024

Batch 226926 **SampType:** MS Units **µg/L**
SampID: 24061026-094BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.58**	5.000	0	111.7	75	125	08/13/2024

Batch 226926 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24061026-094BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.44**	5.000	0	108.8	5.583	2.59	08/13/2024

Batch 226941 **SampType:** MBLK Units **µg/L**
SampID: MBLK-226941

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	08/13/2024

Batch 226941 **SampType:** LCS Units **µg/L**
SampID: LCS-226941

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.75**	5.000	0	114.9	85	115	08/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061026

Client Project: NEW-24Q3 **Report Date:** 06-Sep-24

SW-846 7470A (TOTAL)

Batch 226941 **SampType:** MS Units **µg/L**

SampID: 24061026-103CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.60**	5.000	0	111.9	75	125	08/13/2024

Batch 226941 **SampType:** MSD Units **µg/L** RPD Limit: **15**

SampID: 24061026-103CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.75**	5.000	0	115.0	5.596	2.68	08/13/2024

Batch 226941 **SampType:** MS Units **µg/L**

SampID: 24080002-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.59**	5.000	0	111.9	75	125	08/13/2024

Batch 226941 **SampType:** MSD Units **µg/L** RPD Limit: **15**

SampID: 24080002-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.57**	5.000	0	111.4	5.594	0.42	08/13/2024

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

Carrier: Tracy Carroll
Received By: NR

Completed by: Paul Schultz
On: 03-Jul-24

Reviewed by: Ellie Hopkins
On: 17-Jul-24

Pages to follow: Chain of custody 29 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 22.9
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☐	No ☑		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

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

pH strip #96651/89660. - pschultz - 7/3/2024 8:10:20 AM

Additional Sodium Hydroxide (95443) was needed in A213, R217D and A213 Dup upon arrival at the laboratory. - pschultz - 7/3/2024 8:10:28 AM

Samples were received on 7/8/2024 at 15:15on ice [7.8 - LTG#7]. - pschultz - 7/8/2024 3:38:35 PM
pH strip #96651/89660. - pschultz - 7/8/2024 3:38:39 PM

Additional Sodium Hydroxide (95443) was needed in G104 and G104 Duplicate upon arrival at the laboratory. - pschultz - 7/8/2024 3:38:42 PM

Samples were received on 7/9/24 at 12.5 on ice. Additional Nitric Acid (98584) was needed in APW02, APW05S, APW14, APW15, APW18, G222, G224, G232, G233, and APW02 DUP and additional Sodium Hydroxide (95443) was needed in G106 upon arrival at the laboratory. pH strip #96651/89660. - nickreed - 7/9/2024 5:08:46 PM

Samples were received on 7/10/24 at 1525 on ice [3.5C - LTG#5]. - TM/ehopkins - 7/11/2024 8:47:26 AM

Samples were received on 7/11/2024 at 14:00 on ice [2.9C - LTG#7]. - pschultz - 7/11/2024 4:19:23 PM

pH strip #96651/89660. - pschultz - 7/11/2024 4:19:25 PM

Additional Nitric Acid (98584) was needed in L1R and XPWO1 upon arrival at the laboratory. - pschultz - 7/11/2024 4:19:30 PM

Additional Sodium Hydroxide (95443) was needed in G217S upon arrival at the laboratory. - pschultz - 7/11/2024 4:19:38 PM

Receiving Check List

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

Client: Ramboll
Work Order: 24061026
Client Project: NEW-24Q3
Report Date: 06-Sep-24

Samples Field Blank and Equipment Blank 1 were filtered and preserved for the dissolved parameters upon arrival at the laboratory. - pschultz - 7/11/2024 4:19:43 PM

The samples collected on 7/8 and delivered on 7/9 were out of temperature compliance upon receipt. Applicable wells (APW02 with DUP, APW05S, APW14, APW15, G222, and G224) will be recollected per Chase Christenson's request. - ehurley - 7/17/2024 9:07:31 AM

APW10 was filtered and preserved with Nitric Acid (98581) for the dissolved parameters upon arrival at the laboratory. - amberdilallo - 7/19/2024 10:29:47 AM

Samples were received on 8/8/24 at 1424 on ice [1.5C - LTG#5]. Additional Nitric Acid (99172) was needed upon arrival at the laboratory for APW15, APW22S and G222. Field Blank 2, Equipment Blank 2 and Equipment Blank 3 were filtered and preserved with Nitric Acid (99172) for the dissolved parameters upon arrival at the laboratory. pH strip #96651. - amberdilallo - 8/8/2024 4:32:53 PM

CHAIN-OF-CUSTODY / Analytical Request Document

24061026

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

Page: 1 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

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

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

Resampling + new wells.

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	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	NEW-NE-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW02	WT	G	8-7	1331		4	2		2							X				X	X		X		24061026-090
2	APW05S	WT	G	8-7	1008		3	1		2							X				X	X		X		24061026-091
3	APW14	WT	G	8-7	1238		3	1		2							X				X			X		24061026-092
4	APW15	WT	G	8-7	1155		3	1		2							X				X			X		24061026-093
5	APW19S	WT	G	8-7	1125		3	1		2														X		24061026-094
6	APW20S *	WT	G	8-7	1229		3	1		2														X		24061026-095
7	APW21S	WT	G	8-7	1148		3	1		2														X		24061026-096
8	APW22S	WT	G	8-8	0920		3	1		2														X		24061026-097
9	APW23S	WT	G	8-8	1025		3	1		2														X		24061026-098
10	APW23	WT	G	8-8	1055		3	1		2														X		24061026-099
11	G222	WT	G	8-7	1118		3	1		2								X	X							24061026-100
12	G224	WT	G	8-7	1051		3	1		2								X	X							24061026-101
13	Field Blank 2	WT	G	8-8	1105		4	3		1							X	X	X		X	X		X		24061026-102
14	APW02 Duplicate	WT	G	8-7	1331		4	2		2							X				X	X		X		24061026-103
15	APW19S Duplicate	WT	G	8-7	1125		3	1		2														X		24061026-104
16	Equipment Blank 2	WT	G	8-8	1113		4	3		1							X	X	X		X	X		X		24061026-105

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q3 Rev 2	[signature]	8-8	1424	[signature]	8/8/24	1424	1.5 #5	Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-7-24

* went dry during reads

Added HNO3 (99172) to APW15, APW22S & G222.
pH < 9166651 am 8/8/24

CHAIN-OF-CUSTODY / Analytical Request Document

24061026

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Page: 2 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

Requested Analysis Filtered (Y/N)

Resampling + new wells.

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	NEW-NE-501					Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Equipment Blank 3	WT	G	8-7	1345		4	3		1							X	X	X		X	X		X						24061026-106
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														
13																														
14																														
15																														
16																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q3 Rev 2		8-8	1424		8/8/24	1424				

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Culp	DATE Signed (MM/DD/YY):	8-8-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:							

24061026

NEW-257-501

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 6

Section A Required Client Information:		Section B Required Project Information:	Section C Invoice Information:
Company:	Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address:	6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
	Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone:	(217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT:	10 day	Project Number: 2285	Profile #:

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

Section D Required Client Information

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

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

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	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000						Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G	7-2-24	0943		5	2		1		1							X											24061026-001
2	A214	WT	G	7/2/24	1029		5	2		1		1							X											24061026-002
3	A215	WT	G	7/2/24	1117		5	2		1		1							X											24061026-003
4	APW02	WT	G				4	2		2							X				X	X								24061026-004
5	APW03	WT	G				4	2		2							X				X	X								24061026-005
6	APW04	WT	G				4	2		2							X				X	X								24061026-006
7	APW05	WT	G	7/2/24	1013		3	1		2							X				X		X							24061026-007
8	APW05S	WT	G				2	1		1							X				X									24061026-008
9	APW06	WT	G	7.2.24	1226		2	1		1							X				X									24061026-009
10	APW07	WT	G	7.2.24	1327		3	1		2							X				X		X							24061026-010
11	APW08	WT	G				3	1		2							X				X		X							24061026-011
12	APW09	WT	G	7.2.24	1419		3	1		2							X				X		X							24061026-012
13	APW10	WT	G		1304		2	1		1							X				X									24061026-013
14	APW11	WT	G		1103		2	1		1							X				X									24061026-014
15	APW12	WT	G		1157		2	1		1							X				X									24061026-015
16	APW13	WT	G		1411		2	1		1							X				X									24061026-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q3 Rev 1	[signature]	7/2	1640	[signature]	7/2/24	1640	0	Y	N	
							2			
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carrel

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7/2/24

PAN 94451/89460

Added NaOH (95443) to A213, R217D, R213 dup

PS 7/3

~~Dissolved Container for~~ ~~080~~ E (A213 dup) was mislabeled as unp.

TE 7/3

CHAIN-OF-CUSTODY / Analytical Request Document

24061026

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14	WT	G				2	1		1							X				X				24061026-017
2	APW15	WT	G				2	1		1							X				X				24061026-018
3	APW16	WT	G				2	1		1							X				X				24061026-019
4	APW17	WT	G				3	1		2							X				X		X		24061026-020
5	APW18	WT	G				2	1		1							X				X				24061026-021
6	G06D	WT	G				2	1		1								X							24061026-022
7	G104	WT	G				5	2	1	1		1								X					24061026-023
8	G104D	WT	G				0													X					24061026-024
9	G104S	WT	G				0													X					24061026-025
10	G105	WT	G				5	2	1	1		1								X					24061026-026
11	G106	WT	G				5	2	1	1		1								X					24061026-027
12	G109	WT	G				0													X					24061026-028
13	G111	WT	G				0													X					24061026-029
14	G112	WT	G				0													X					24061026-030
15	G113	WT	G				0													X					24061026-031
16	G114	WT	G				0													X					24061026-032

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q3 Rev 1		7/2	1640	Nick Reed	7/2/24	1640				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

CHAIN-OF-CUSTODY / Analytical Request Document

24061026

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																		
1	G115	WT	G				0													X					24061026-033
2	G116	WT	G				5	2	1	1		1								X		X			24061026-034
3	G117	WT	G				0													X					24061026-035
4	G118	WT	G				0													X					24061026-036
5	G119	WT	G				0													X					24061026-037
6	G120	WT	G				0													X					24061026-038
7	G125	WT	G				5	2	1	1		1								X					24061026-039
8	G128	WT	G				5	2	1	1		1								X					24061026-040
9	G130	WT	G				5	2	1	1		1								X					24061026-041
10	G133	WT	G				5	2	1	1		1								X					24061026-042
11	G136	WT	G				5	2	1	1		1								X					24061026-043
12	G139	WT	G				5	2	1	1		1								X					24061026-044
13	G141	WT	G				5	2	1	1		1								X					24061026-045
14	G201	WT	G				2	1		1							X								24061026-046
15	G202	WT	G				2	1		1							X								24061026-047
16	G203	WT	G				2	1		1							X								24061026-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q3 Rev 1		7/2	1640		7/2/24	1640				
							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:	
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	Sample ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G208	WT	G				2	1		1								X	X						24061026-049
2	G217S	WT	G				5	2	1	1		1							X						24061026-050
3	G218	WT	G				0												X						24061026-051
4	G220	WT	G				2	1		1								X	X						24061026-052
5	G221	WT	G	7-2-24	1248		5	2	1	1		1							X						24061026-053
6	G222	WT	G				2	1		1								X	X						24061026-054
7	G223	WT	G				2	1		1								X	X						24061026-055
8	G224	WT	G				2	1		1								X	X						24061026-056
9	G225	WT	G				5	2	1	1		1							X						24061026-057
10	G230	WT	G	7-2-24	1341		6	2	1	2		1						X	X						24061026-058
11	G231	WT	G				6	2	1	2		1						X	X						24061026-059
12	G232	WT	G				6	2	1	2		1						X	X						24061026-060
13	G233	WT	G				6	2	1	2		1						X	X						24061026-061
14	G234	WT	G				5	2	1	1		1							X						24061026-062
15	G48MG	WT	G				2	1		1								X							24061026-063
16	L1R	WT	G				2	1		1								X		X					24061026-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 1		7/2	1640		7/2/24	1640	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000					Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L201	WT	G				0													X								24061026-065
2	L202	WT	G				0													X								24061026-066
3	L203	WT	G				0													X								24061026-067
4	L204	WT	G				0													X								24061026-068
5	L205	WT	G				0													X								24061026-069
6	L301	WT	G				2	1		1								X										24061026-070
7	R217D	WT	G	7-2-24	1134		6	2	1	2		1						X	X									24061026-071
8	R219	WT	G				5	2	1	1		1							X									24061026-072
9	SG02	WT	G				0										X					X						24061026-073
10	XPW01	WT	G				2	1		1												X						24061026-074
11	XPW02	WT	G				2	1		1												X						24061026-075
12	XPW03	WT	G				2	1		1												X						24061026-076
13	XPW04	WT	G				2	1		1												X						24061026-077
14	XSG01	WT	G				0										X					X						24061026-078
15	Field Blank	WT	G				6	4		1		1					X	X	X	X	X	X	X						24061026-079
16	A213 Duplicate	WT	G	7-2-24	0943		5	2	1	1		1							X									24061026-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 1		7/2	1640		7/2/24	1640	

SAMPLE CONDITIONS: Y | N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

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

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

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 6 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000					Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW02 Duplicate		WT	G				4	2		2							X				X	X						24061026-081
2	G104 Duplicate		WT	G				5	2	1	1		1								X								24061026-082
3	Equipment Blank 1		WT	G				6	4		1		1					X	X	X	X	X	X	X						24061026-083
4	Equipment Blank 2		WT	G				6	4		1		1					X	X	X	X	X	X	X						24061026-084
5	Equipment Blank 3		WT	G				6	4		1		1					X	X	X	X	X	X	X						24061026-085
6	LREP		WT	G				8	4		1	3								X									24061026-086
7																														
8																														
9																														
10																														
11																														
12																														
13																														
14																														
15																														
16																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q3 Rev 1	[signature]	7/2	1640	Trish Reed	7/2/24	1640				

SAMPLER NAME AND SIGNATURE	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:				
SIGNATURE of SAMPLER: (MM/DD/YY):				

CHAIN-OF-CUSTODY / Analytical Request Document

24001026

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

Page: 1 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N)	Analysis Test → Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G				5	2		1		1								X						24061026-001
2	A214	WT	G				5	2		1		1								X						24061026-002
3	A215	WT	G				5	2		1		1								X						24061026-003
4	APW02	WT	G				4	2		2								X				X	X			24061026-004
5	APW03	WT	G	7.8	1211		4	2		2								X				X	X			24061026-005
6	APW04	WT	G	7.8	1125		4	2		2								X				X	X			24061026-006
7	APW05	WT	G				3	1		2								X				X		X		24061026-007
8	APW05S	WT	G				2	1		1								X				X				24061026-008
9	APW06	WT	G				2	1		1								X				X				24061026-009
10	APW07	WT	G				3	1		2								X				X		X		24061026-010
11	APW08	WT	G				3	1		2								X				X		X		24061026-011
12	APW09	WT	G				3	1		2								X				X		X		24061026-012
13	APW10	WT	G				2	1		1								X				X				24061026-013
14	APW11	WT	G				2	1		1								X				X				24061026-014
15	APW12	WT	G				2	1		1								X				X				24061026-015
16	APW13	WT	G				2	1		1								X				X				24061026-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q3 Rev 1	FB / Teklab	7.8	1515	Paul Seeley	7/8/24	1515		(Y)	N	
							2.3C	UG-7		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Frank Barthol

SIGNATURE of SAMPLER: FB

DATE Signed (MM/DD/YY): 7.8.24

pH 9.66 / 9.96

Added NaOH (9593) to G104 & G104 dup

PS 7/8

Confidential

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14	WT	G				2	1		1							X				X				24061026-017
2	APW15	WT	G				2	1		1							X				X				24061026-018
3	APW16	WT	G				2	1		1							X				X				24061026-019
4	APW17	WT	G				3	1		2							X				X		X		24061026-020
5	APW18	WT	G				2	1		1							X				X				24061026-021
6	G06D	WT	G				2	1		1								X							24061026-022
7	G104	WT	G	7.8	1146		5	2	1	1		1								X					24061026-023
8	G104D	WT	G				0													X					24061026-024
9	G104S	WT	G				0													X					24061026-025
10	G105	WT	G				5	2	1	1		1								X					24061026-026
11	G106	WT	G				5	2	1	1		1								X					24061026-027
12	G109	WT	G				0													X					24061026-028
13	G111	WT	G				0													X					24061026-029
14	G112	WT	G				0													X					24061026-030
15	G113	WT	G				0													X					24061026-031
16	G114	WT	G				0													X					24061026-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 1	FB / TekLab	7.8	1515	[signature]	7/8/24	1515	

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Frank Barthol

SIGNATURE of SAMPLER: FB

DATE Signed (MM/DD/YY): 7.8.24

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000					Residual Chlorine (Y/N)	Project No./ Lab I.D.
																Requested Analysis Filtered (Y/N)												
1	G208	WT	G				2	1		1								X	X									24061026-049
2	G217S	WT	G				5	2	1	1		1							X									24061026-050
3	G218	WT	G				0												X									24061026-051
4	G220	WT	G				2	1		1								X	X									24061026-052
5	G221	WT	G				5	2	1	1		1							X									24061026-053
6	G222	WT	G				2	1		1								X	X									24061026-054
7	G223	WT	G				2	1		1								X	X									24061026-055
8	G224	WT	G				2	1		1								X	X									24061026-056
9	G225	WT	G				5	2	1	1		1							X									24061026-057
10	G230	WT	G				6	2	1	2		1						X	X									24061026-058
11	G231	WT	G				6	2	1	2		1						X	X									24061026-059
12	G232	WT	G				6	2	1	2		1						X	X									24061026-060
13	G233	WT	G				6	2	1	2		1						X	X									24061026-061
14	G234	WT	G	7.8	1201		5	2	1	1		1							X									24061026-062
15	G48MG	WT	G				2	1		1								X										24061026-063
16	L1R	WT	G				2	1		1								X		X								24061026-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 1	FB / TekLab	7.8	1515	Paul Deboy	7/8/24	1515	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Frank Barthol					
SIGNATURE of SAMPLER:	FB	DATE Signed (MM/DD/YY): 7.8.24				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW02 Duplicate	WT	G				4	2		2							X				X	X			24061026-081
2	G104 Duplicate	WT	G	7.8	1146		5	2	1	1		1								X					24061026-082
3	Equipment Blank 1	WT	G				6	4		1		1					X	X	X	X	X	X	X		24061026-083
4	Equipment Blank 2	WT	G				6	4		1		1					X	X	X	X	X	X	X		24061026-084
5	Equipment Blank 3	WT	G				6	4		1		1					X	X	X	X	X	X	X		24061026-085
6	LREP	WT	G				8	4		1	3								X						24061026-086
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q3 Rev 1	FB / TekLab	7.8	1515	[signature]	7/8/24	1515	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:	~~FB~~ / ~~TekLab~~	Frank Barthel
SIGNATURE of SAMPLER:	[signature]	(MM/DD/YY): 7.8.24

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 6

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G				5	2		1		1							X						24061026-001
2	A214	WT	G				5	2		1		1							X						24061026-002
3	A215	WT	G				5	2		1		1							X						24061026-003
4	APW02	WT	G	7-8-24	1452		4	2		2							X				X	X			24061026-004
5	APW03	WT	G				4	2		2							X				X	X			24061026-005
6	APW04	WT	G				4	2		2							X				X	X			24061026-006
7	APW05	WT	G				3	1		2							X				X		X		24061026-007
8	APW05S	WT	G	7-8-24	1411		2	1		1							X				X				24061026-008
9	APW06	WT	G				2	1		1							X				X				24061026-009
10	APW07	WT	G				3	1		2							X				X		X		24061026-010
11	APW08	WT	G				3	1		2							X				X		X		24061026-011
12	APW09	WT	G				3	1		2							X				X		X		24061026-012
13	APW10	WT	G				2	1		1							X				X				24061026-013
14	APW11	WT	G				2	1		1							X				X				24061026-014
15	APW12	WT	G				2	1		1							X				X				24061026-015
16	APW13	WT	G				2	1		1							X				X				24061026-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q3 Rev 1		7/9/24	1415		7/9/24	1415				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7/9/24

PHW 96651/89660
Added HNO3(98584)
added NaOH(95443) to G106)
LH 7/9/24

Temp 12.5 GG5
On ice

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14	WT	G	7.8.24	1347		2	1		1							X				X				24061026-017
2	APW15	WT	G	7.8.24	1444		2	1		1							X				X				24061026-018
3	APW16	WT	G				2	1		1							X				X				24061026-019
4	APW17	WT	G				3	1		2							X				X		X		24061026-020
5	APW18	WT	G	7-9-24	1102		2	1		1							X				X				24061026-021
6	G06D	WT	G				2	1		1								X							24061026-022
7	G104	WT	G	7-8-24			5	2	1	1		1								X					24061026-023
8	G104D	WT	G				0													X					24061026-024
9	G104S	WT	G				0													X					24061026-025
10	G105	WT	G	7-9-24	1022		5	2	1	1		1								X					24061026-026
11	G106	WT	G	7-9-24	0950		5	2	1	1		1								X					24061026-027
12	G109	WT	G				0													X					24061026-028
13	G111	WT	G				0													X					24061026-029
14	G112	WT	G				0													X					24061026-030
15	G113	WT	G				0													X					24061026-031
16	G114	WT	G				0													X					24061026-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 1		7/9/24	1415		7/9/24	1415	

SAMPLE CONDITIONS: Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Trevor Ford

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 7/9/24

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

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G115	WT	G				0													X					24061026-033
2	G116	WT	G				5	2	1	1		1								X		X			24061026-034
3	G117	WT	G				0													X					24061026-035
4	G118	WT	G				0													X					24061026-036
5	G119	WT	G				0													X					24061026-037
6	G120	WT	G				0													X					24061026-038
7	G125	WT	G				5	2	1	1		1								X					24061026-039
8	G128	WT	G				5	2	1	1		1								X					24061026-040
9	G130	WT	G				5	2	1	1		1								X					24061026-041
10	G133	WT	G				5	2	1	1		1								X					24061026-042
11	G136	WT	G				5	2	1	1		1								X					24061026-043
12	G139	WT	G				5	2	1	1		1								X					24061026-044
13	G141	WT	G	7-9-24	1118		5	2	1	1		1								X					24061026-045
14	G201	WT	G				2	1		1								X							24061026-046
15	G202	WT	G				2	1		1								X							24061026-047
16	G203	WT	G				2	1		1								X							24061026-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 1		7/9/24	1415		7/9/24	1405	

SAMPLE CONDITIONS: Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 7/9/24

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

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 6

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G208	WT	G				2	1		1								X	X						24061026-049
2	G217S	WT	G				5	2	1	1		1							X						24061026-050
3	G218	WT	G				0												X						24061026-051
4	G220	WT	G				2	1		1								X	X						24061026-052
5	G221	WT	G				5	2	1	1		1							X						24061026-053
* 6	G222	WT	G	7-8-24	1435		2	1		1								X	X						24061026-054
7	G223	WT	G				2	1		1								X	X						24061026-055
* 8	G224	WT	G	7-8-24	1338		2	1		1								X	X						24061026-056
9	G225	WT	G	7-9-24	928		5	2	1	1		1							X						24061026-057
10	G230	WT	G				6	2	1	2		1						X	X						24061026-058
11	G231	WT	G				6	2	1	2		1						X	X						24061026-059
* 12	G232	WT	G	7.9.24	1127		6	2	1	2		1						X	X						24061026-060
* 13	G233	WT	G	7.9.24	941		6	2	1	2		1						X	X						24061026-061
14	G234	WT	G				5	2	1	1		1							X						24061026-062
15	G48MG	WT	G				2	1		1								X							24061026-063
16	L1R	WT	G				2	1		1								X		X					24061026-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 1		7/9/24	1415		7/9/24	1415	

SAMPLE CONDITIONS: Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Cowell

SIGNATURE of SAMPLER: Tracy Cowell DATE Signed (MM/DD/YY): 7/9/24

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

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 6 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000					Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																					
1	APW02 Duplicate	WT	G	7-9-24	1454		4	2		2							X				X	X						24061026-081
2	G104 Duplicate	WT	G				5	2	1	1		1								X								24061026-082
3	Equipment Blank 1	WT	G				6	4		1		1					X	X	X	X	X	X	X					24061026-083
4	Equipment Blank 2	WT	G				6	4		1		1					X	X	X	X	X	X	X					24061026-084
5	Equipment Blank 3	WT	G				6	4		1		1					X	X	X	X	X	X	X					24061026-085
6	LREP	WT	G				8	4		1	3								X									24061026-086
7																												
8																												
9																												
10																												
11																												
12																												
13																												
14																												
15																												
16																												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 1		7/9/24	1415		7/9/24	1415	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:				Y	N	
SIGNATURE of SAMPLER:	(MM/DD/YY): 7/9/24					

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St
	Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G				5	2		1		1							X							24061026-001
2	A214	WT	G				5	2		1		1							X							24061026-002
3	A215	WT	G				5	2		1		1							X							24061026-003
4	APW02	WT	G				4	2		2							X				X	X				24061026-004
5	APW03	WT	G				4	2		2							X				X	X				24061026-005
6	APW04	WT	G				4	2		2							X				X	X				24061026-006
7	APW05	WT	G				3	1		2							X				X		X			24061026-007
8	APW05S	WT	G				2	1		1							X				X					24061026-008
9	APW06	WT	G				2	1		1							X				X					24061026-009
10	APW07	WT	G				3	1		2							X				X		X			24061026-010
11	APW08	WT	G	7-9-24	1315		3	1		2							X				X		X			24061026-011
12	APW09	WT	G				3	1		2							X				X		X			24061026-012
13	APW10	WT	G				2	1		1							X				X					24061026-013
14	APW11	WT	G				2	1		1							X				X					24061026-014
15	APW12	WT	G				2	1		1							X				X					24061026-015
16	APW13	WT	G				2	1		1							X				X					24061026-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
NEW-24Q3 Rev 1		7/10/24	1525		7/10/24	1525

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: J Conrad

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7/10/24

CTG 5 on ice

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14		WT	G				2	1		1							X				X					24061026-017
2	APW15		WT	G				2	1		1							X				X					24061026-018
3	APW16		WT	G	7-10-24	0903		2	1		1							X				X					24061026-019
4	APW17		WT	G	7.9.24	1138		3	1		2							X				X		X			24061026-020
5	APW18		WT	G				2	1		1							X				X					24061026-021
6	G06D		WT	G	7.10.24	1004		2	1		1								X								24061026-022
7	G104		WT	G				5	2	1	1		1								X						24061026-023
8	G104D		WT	G				0													X						24061026-024
9	G104S		WT	G				0													X						24061026-025
10	G105		WT	G				5	2	1	1		1								X						24061026-026
11	G106		WT	G				5	2	1	1		1								X						24061026-027
12	G109		WT	G				0													X						24061026-028
13	G111		WT	G				0													X						24061026-029
14	G112		WT	G				0													X						24061026-030
15	G113		WT	G				0													X						24061026-031
16	G114		WT	G				0													X						24061026-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q3 Rev 1		7/10/24	1525		7/10/24	1525				
							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:	T Conrad	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 7/10/24

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G115	WT	G				0													X					24061026-033
2	G116	WT	G				5	2	1	1		1								X		X			24061026-034
3	G117	WT	G				0													X					24061026-035
4	G118	WT	G				0													X					24061026-036
5	G119	WT	G				0													X					24061026-037
6	G120	WT	G				0													X					24061026-038
7	G125	WT	G	7/10/24	0940		5	2	1	1		1								X					24061026-039
8	G128	WT	G	7-10-24	1236		5	2	1	1		1								X					24061026-040
9	G130	WT	G	7/10/24	1126		5	2	1	1		1								X					24061026-041
10	G133	WT	G	7/10/24	1052		5	2	1	1		1								X					24061026-042
11	G136	WT	G	7/10/24	1206		5	2	1	1		1								X					24061026-043
12	G139	WT	G	7/10/24	1237		5	2	1	1		1								X					24061026-044
13	G141	WT	G				5	2	1	1		1								X					24061026-045
14	G201	WT	G	7-10-24	1155		2	1		1								X							24061026-046
15	G202	WT	G	7.9.24	1256		2	1		1								X							24061026-047
16	G203	WT	G	7.9.24	1331		2	1		1								X							24061026-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q3 Rev 1		7/10/24	1525		7/10/24	1525				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brian V

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7/10/24

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

Collection dates/times per field file for G125, G130, G133, G136, and G139. EAH 8/9/24

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 6

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St
	Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G208	WT	G				2	1		1								X	X						24061026-049
2	G217S	WT	G				5	2	1	1		1							X						24061026-050
3	G218	WT	G				0												X						24061026-051
4	G220	WT	G	7.10.24	1059		2	1		1								X	X						24061026-052
5	G221	WT	G				5	2	1	1		1							X						24061026-053
6	G222	WT	G				2	1		1								X	X						24061026-054
7	G223	WT	G	7.10.24	1158		2	1		1								X	X						24061026-055
8	G224	WT	G				2	1		1								X	X						24061026-056
9	G225	WT	G				5	2	1	1		1							X						24061026-057
10	G230	WT	G		1119		6	2	1	2		1						X	X						24061026-058
11	G231	WT	G	7.10.24	~~1225~~ 1119		6	2	1	2		1						X	X						24061026-059
12	G232	WT	G				6	2	1	2		1						X	X						24061026-060
13	G233	WT	G				6	2	1	2		1						X	X						24061026-061
14	G234	WT	G				5	2	1	1		1							X						24061026-062
15	G48MG	WT	G				2	1		1								X							24061026-063
16	L1R	WT	G				2	1		1								X		X					24061026-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 1		7/10/24	1525		7/10/24	1525	

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: David Linneweber

SIGNATURE of SAMPLER: David Linneweber

DATE Signed (MM/DD/YY): 7/10/24

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L201	WT	G				0													X					24061026-065
2	L202	WT	G				0													X					24061026-066
3	L203	WT	G				0													X					24061026-067
4	L204	WT	G				0													X					24061026-068
5	L205	WT	G				0													X					24061026-069
6	L301	WT	G				2	1		1								X							24061026-070
7	R217D	WT	G				6	2	1	2		1						X	X						24061026-071
8	R219	WT	G				5	2	1	1		1							X						24061026-072
9	SG02	WT	G				0										X				X				24061026-073
10	XPW01	WT	G				2	1		1											X				24061026-074
11	XPW02	WT	G				2	1		1											X				24061026-075
12	XPW03	WT	G				2	1		1											X				24061026-076
13	XPW04	WT	G				2	1		1											X				24061026-077
14	XSG01	WT	G				0										X				X				24061026-078
15	Field Blank	WT	G				6	4		1		1					X	X	X	X	X	X	X		24061026-079
16	A213 Duplicate	WT	G				5	2	1	1		1							X						24061026-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 1		7/10/24	1525		7/10/24	1525	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	T Carroll				
SIGNATURE of SAMPLER		DATE Signed (MM/DD/YY):	7/10/24		

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

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 6 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW02 Duplicate	WT	G				4	2		2							X				X	X			24061026-081
2	G104 Duplicate	WT	G				5	2	1	1		1								X					24061026-082
3	Equipment Blank 1	WT	G				6	4		1		1					X	X	X	X	X	X	X		24061026-083
4	Equipment Blank 2	WT	G				6	4		1		1					X	X	X	X	X	X	X		24061026-084
5	Equipment Blank 3	WT	G				6	4		1		1					X	X	X	X	X	X	X		24061026-085
6	LREP	WT	G				8	4		1	3								X						24061026-086
7	RZMD RSample			7-10-24	0932																				
8	G230 RSample			↓	1002																				
9	G721 RSample				1025																				
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 1		7/10/24	1525		7/10/24	1525	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:				Y	N	
SIGNATURE of SAMPLER:	(MM/DD/YY): 7/10/24					

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

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

Section D Required Client Information

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

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

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	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G115	WT	G				0													X					24061026-033
2	G116	WT	G	7-11-24	924		5	2	1	1		1								X		X			24061026-034
3	G117	WT	G				0													X					24061026-035
4	G118	WT	G				0													X					24061026-036
5	G119	WT	G				0													X					24061026-037
6	G120	WT	G				0													X					24061026-038
7	G125	WT	G				5	2	1	1		1								X					24061026-039
8	G128	WT	G				5	2	1	1		1								X					24061026-040
9	G130	WT	G				5	2	1	1		1								X					24061026-041
10	G133	WT	G				5	2	1	1		1								X					24061026-042
11	G136	WT	G				5	2	1	1		1								X					24061026-043
12	G139	WT	G				5	2	1	1		1								X					24061026-044
13	G141	WT	G				5	2	1	1		1								X					24061026-045
14	G201	WT	G				2	1		1								X							24061026-046
15	G202	WT	G				2	1		1								X							24061026-047
16	G203	WT	G				2	1		1								X							24061026-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q3 Rev 1	[signature]	7-11-24	1400	[signature]	7/11/24	1400		Y	N	
							2.9	ice		
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-11-24

UG7

pH✓ 90651 / 89660
added HNO3 (98584) to L1R, XPW01
added NAOH (95443) to G217S
No 7/11

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 6

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G208	WT	G				2	1		1								X	X						24061026-049
2	G217S	WT	G	7/10/24	13:40		5	2	1	1		1							X						24061026-050
3	G218	WT	G				0												X						24061026-051
4	G220	WT	G				2	1		1								X	X						24061026-052
5	G221	WT	G				5	2	1	1		1							X						24061026-053
6	G222	WT	G				2	1		1								X	X						24061026-054
7	G223	WT	G				2	1		1								X	X						24061026-055
8	G224	WT	G				2	1		1								X	X						24061026-056
9	G225	WT	G				5	2	1	1		1							X						24061026-057
10	G230	WT	G				6	2	1	2		1						X	X						24061026-058
11	G231	WT	G				6	2	1	2		1						X	X						24061026-059
12	G232	WT	G				6	2	1	2		1						X	X						24061026-060
13	G233	WT	G				6	2	1	2		1						X	X						24061026-061
14	G234	WT	G				5	2	1	1		1							X						24061026-062
15	G48MG	WT	G	7-11-24	0857		2	1		1								X							24061026-063
16	L1R	WT	G	7-11-24	1020		2	1		1								X		X					24061026-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 1		7-11-24	1400		7/11/24	1400	

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-11-24

CT97

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 6

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L201	WT	G				0													X					24061026-065
2	L202	WT	G				0													X					24061026-066
3	L203	WT	G				0													X					24061026-067
4	L204	WT	G				0													X					24061026-068
5	L205	WT	G				0													X					24061026-069
6	L301	WT	G	7-10-24	1002		2	1		1								X							24061026-070
7	R217D S	WT	G	~~7-10-24~~	~~1340~~ TE		6	2	1	2		1						X	X						24061026-071
8	R219	WT	G	7-10-24	1341 BG 7/11		5	2	1	1		1							X						24061026-072
9	SG02	WT	G				0										X				X				24061026-073
10	XPW01	WT	G	7.10.24	1344		2	1		1											X				24061026-074
11	XPW02	WT	G	7.11.24	0925		2	1		1											X				24061026-075
12	XPW03	WT	G	7.11.24	1004		2	1		1											X				24061026-076
13	XPW04	WT	G	7.11.24	922		2	1		1											X				24061026-077
14	XSG01	WT	G				0										X				X				24061026-078
15	Field Blank	WT	G	7-11-24	1005		6	4		1		1					X	X	X	X	X	X	X		24061026-079
16	A213 Duplicate	WT	G				5	2	1	1		1							X						24061026-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
NEW-24Q3 Rev 1	[signature]	7-11-24	1410	[signature]	7/11/24	1400

SAMPLE CONDITIONS

	Y	N	
Temp in °C	2.9		
Received on Ice (Y/N)	Ice		
Custody Sealed Cooler (Y/N)			
Samples Intact (Y/N)			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillon

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-11-24

LTG7

24061026

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 6 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW02 Duplicate	WT	G				4	2		2							X				X	X			24061026-081
2	G104 Duplicate	WT	G				5	2	1	1		1								X					24061026-082
3	Equipment Blank 1	WT	G	7-11-24	1015		6	4		1		1					X	X	X	X	X	X	X		24061026-083
4	Equipment Blank 2	WT	G				6	4		1		1					X	X	X	X	X	X	X		24061026-084
5	Equipment Blank 3	WT	G				6	4		1		1					X	X	X	X	X	X	X		24061026-085
6	LREP	WT	G	~~7-11-24~~	~~1020~~		8	4		1	3								X						24061026-086
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 1		7-11-24	1400		7/11/24	1450	

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
2.9	Y		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: (MM/DD/YY): 7-11-24

DTG

CHAIN-OF-CUSTODY / Analytical Request Document

24061026 -501

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY

NPDES | **GROUND WATER** | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

Resampling + new wells.

Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	NEW-NE-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW02	WT	G	8-7	1331		4	2		2							X				X	X		X		24061026-090
2	APW05S	WT	G	8-7	1008		3	1		2							X				X	X		X		24061026-091
3	APW14	WT	G	8-7	1238		3	1		2							X				X			X		24061026-092
4	APW15	WT	G	8-7	1155		3	1		2							X				X			X		24061026-093
5	APW19S	WT	G	8-7	1125		3	1		2														X		24061026-094
6	APW20S *	WT	G	8-7	1229		3	1		2														X		24061026-095
7	APW21S	WT	G	8-7	1148		3	1		2														X		24061026-096
8	APW22S	WT	G	8-8	0920		3	1		2														X		24061026-097
9	APW23S	WT	G	8-8	1025		3	1		2														X		24061026-098
10	APW23	WT	G	8-8	1055		3	1		2														X		24061026-099
11	G222	WT	G	8-7	1118		3	1		2								X	X							24061026-100
12	G224	WT	G	8-7	1051		3	1		2								X	X							24061026-101
13	Field Blank 2	WT	G	8-8	1105		4	3		1							X	X	X		X	X		X		24061026-102
14	APW02 Duplicate	WT	G	8-7	1331		4	2		2							X				X	X		X		24061026-103
15	APW19S Duplicate	WT	G	8-7	1125		3	1		2														X		24061026-104
16	Equipment Blank 2	WT	G	8-8	1113		4	3		1							X	X	X		X	X		X		24061026-105

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q3 Rev 2	[signature]	8-8	1424	[signature]	8/8/24	1424	1.5 #5	Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-7-24

* Went dry during reads

Added HNO3 (99172) to APW15, APW22S & G222.
pH ✓ 966051 am 8/8/24

CHAIN-OF-CUSTODY / Analytical Request Document

24061026 -501

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

Resampling + new wells.

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	NEW-NE-501				Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Equipment Blank 3	WT	G	8-7	1345		4	3		1							X	X	X		X	X		X					24061026-106
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													
13																													
14																													
15																													
16																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 2		8-8	1424		8/8/24	1424	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Culp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	8-8-24		

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

September 11, 2024

Eric Bauer
Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
TEL: (414) 837-3607
FAX: (414) 837-3608

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: NEW-24Q3 **WorkOrder:** 24061027

Dear Eric Bauer:

TEKLAB, INC received 36 samples on 8/8/2024 2:24:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Elizabeth A. Hurley

Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061027
Client Project: NEW-24Q3
Report Date: 11-Sep-24

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Abbr	Definition
*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Definitions

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- C - RL shown is a Client Requested Quantitation Limit
- E - Value above quantitation range
- H - Holding times exceeded
- I - Associated internal standard was outside method criteria
- J - Analyte detected below quantitation limits
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- T - TIC(Tentatively identified compound)
- X - Value exceeds Maximum Contaminant Level

Case Narrative

Client: Ramboll
Client Project: NEW-24Q3

Work Order: 24061027
Report Date: 11-Sep-24

Cooler Receipt Temp: 22.9 °C

An employee of Teklab, Inc. collected the sample(s).

APW17 collection time per field file confirmation. Equipment Blanks 2 and 3 were not needed during the initial sampling event. APW20S could not be collected; the well went dry. EAH 9/9/24

Ra226/228 analysis was performed by Eurofins St. Louis. See attached report for results and QC.

This report was revised on September 11, 2024 per Eric Bauer's request. The reason for the revision is to correct the collection time for APW21S from 1148 to 1048. Please replace report dated September 9, 2024 with this report. EAH 9/11/24

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Accreditations

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Laboratory Results

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-002 **Client Sample ID:** APW03

Matrix: GROUNDWATER **Collection Date:** 07/08/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:13	R351923

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-003 **Client Sample ID:** APW04

Matrix: GROUNDWATER **Collection Date:** 07/08/2024 11:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:13	R351923

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-004 **Client Sample ID:** APW05

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 10:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:13	R351923

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-006 **Client Sample ID:** APW06

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 12:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:13	R351923

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-007 **Client Sample ID:** APW07

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 13:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:13	R351923

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-008 **Client Sample ID:** APW08

Matrix: GROUNDWATER **Collection Date:** 07/09/2024 13:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:13	R351923

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-009 **Client Sample ID:** APW09

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 14:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:08	R351923

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-010 **Client Sample ID:** APW10

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:08	R351923

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-011 **Client Sample ID:** APW11

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 11:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:08	R351923

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-012 **Client Sample ID:** APW12

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 11:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:09	R351923

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-013 **Client Sample ID:** APW13

Matrix: GROUNDWATER **Collection Date:** 07/02/2024 14:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:09	R351923

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-016 **Client Sample ID:** APW16

Matrix: GROUNDWATER **Collection Date:** 07/10/2024 9:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:09	R351923

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-017 **Client Sample ID:** APW17

Matrix: GROUNDWATER **Collection Date:** 07/09/2024 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:10	R351923

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-018 **Client Sample ID:** APW18

Matrix: GROUNDWATER **Collection Date:** 07/09/2024 11:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:10	R351923

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-019 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 07/11/2024 10:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:10	R351923

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-021 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 07/11/2024 10:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/01/2024 12:10	R351923

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-022 **Client Sample ID:** APW02

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 13:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:01	R352827

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-023 **Client Sample ID:** APW05S

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 10:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:01	R352827

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-024 **Client Sample ID:** APW14

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:01	R352827

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-025 **Client Sample ID:** APW15

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:01	R352827

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-026 **Client Sample ID:** APW19S

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 11:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:02	R352827

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-028 **Client Sample ID:** APW21S

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 10:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:02	R352827

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-029 **Client Sample ID:** APW22S

Matrix: GROUNDWATER **Collection Date:** 08/08/2024 9:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:03	R352827

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-030 **Client Sample ID:** APW23S

Matrix: GROUNDWATER **Collection Date:** 08/08/2024 10:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:03	R352827

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-031 **Client Sample ID:** APW23

Matrix: GROUNDWATER **Collection Date:** 08/08/2024 10:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:03	R352827

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-032 **Client Sample ID:** Field Blank 2

Matrix: AQUEOUS **Collection Date:** 08/08/2024 11:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:03	R352827

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061027
Client Project: NEW-24Q3
Report Date: 11-Sep-24
Lab ID: 24061027-033
Client Sample ID: APW02 Duplicate
Matrix: GROUNDWATER
Collection Date: 08/07/2024 13:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:03	R352827

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061027
Client Project: NEW-24Q3
Report Date: 11-Sep-24
Lab ID: 24061027-034
Client Sample ID: APW19S Duplicate
Matrix: GROUNDWATER
Collection Date: 08/07/2024 11:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:04	R352827

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061027

Client Project: NEW-24Q3 **Report Date:** 11-Sep-24

Lab ID: 24061027-035 **Client Sample ID:** Equipment Blank 2

Matrix: AQUEOUS **Collection Date:** 08/08/2024 11:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:04	R352827

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061027
Client Project: NEW-24Q3
Report Date: 11-Sep-24
Lab ID: 24061027-036
Client Sample ID: Equipment Blank 3
Matrix: AQUEOUS
Collection Date: 08/07/2024 13:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:04	R352827

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: NEW-24Q3

Work Order: 24061027
Report Date: 11-Sep-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24061027-001	APW02	Groundwater	1	07/08/2024 14:54
24061027-002	APW03	Groundwater	1	07/08/2024 12:11
24061027-003	APW04	Groundwater	1	07/08/2024 11:25
24061027-004	APW05	Groundwater	1	07/02/2024 10:13
24061027-005	APW05S	Groundwater	1	07/08/2024 14:11
24061027-006	APW06	Groundwater	1	07/02/2024 12:26
24061027-007	APW07	Groundwater	1	07/02/2024 13:27
24061027-008	APW08	Groundwater	1	07/09/2024 13:15
24061027-009	APW09	Groundwater	1	07/02/2024 14:19
24061027-010	APW10	Groundwater	1	07/02/2024 13:04
24061027-011	APW11	Groundwater	1	07/02/2024 11:03
24061027-012	APW12	Groundwater	1	07/02/2024 11:57
24061027-013	APW13	Groundwater	1	07/02/2024 14:11
24061027-014	APW14	Groundwater	1	07/08/2024 13:47
24061027-015	APW15	Groundwater	1	07/08/2024 14:44
24061027-016	APW16	Groundwater	1	07/10/2024 9:03
24061027-017	APW17	Groundwater	1	07/09/2024 12:38
24061027-018	APW18	Groundwater	1	07/09/2024 11:02
24061027-019	Field Blank	Aqueous	1	07/11/2024 10:05
24061027-020	APW02 Duplicate	Groundwater	1	07/08/2024 14:54
24061027-021	Equipment Blank 1	Aqueous	1	07/11/2024 10:15
24061027-022	APW02	Groundwater	1	08/07/2024 13:31
24061027-023	APW05S	Groundwater	1	08/07/2024 10:08
24061027-024	APW14	Groundwater	1	08/07/2024 12:38
24061027-025	APW15	Groundwater	1	08/07/2024 11:55
24061027-026	APW19S	Groundwater	1	08/07/2024 11:25
24061027-027	APW20S	Groundwater	1	08/07/2024 12:29
24061027-028	APW21S	Groundwater	1	08/07/2024 10:48
24061027-029	APW22S	Groundwater	1	08/08/2024 9:20
24061027-030	APW23S	Groundwater	1	08/08/2024 10:25
24061027-031	APW23	Groundwater	1	08/08/2024 10:55
24061027-032	Field Blank 2	Aqueous	1	08/08/2024 11:05
24061027-033	APW02 Duplicate	Groundwater	1	08/07/2024 13:31
24061027-034	APW19S Duplicate	Groundwater	1	08/07/2024 11:25
24061027-035	Equipment Blank 2	Aqueous	1	08/08/2024 11:13
24061027-036	Equipment Blank 3	Aqueous	1	08/07/2024 13:45

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061027
Client Project: NEW-24Q3
Report Date: 11-Sep-24

Carrier: Tracy Carroll
Received By: NR

Completed by: Paul Schultz
On: 03-Jul-24

Reviewed by: Ellie Hopkins
On: 15-Jul-24

Pages to follow: Chain of custody 26 Extra pages included 51

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 22.9
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

pH strip #96651. - pschultz - 7/3/2024 8:22:10 AM

Additional Nitric Acid (98584) was needed in APW05, APW06, APW07, APW09, APW10, APW11, APW12, and APW13 upon arrival at the laboratory. - pschultz - 7/3/2024 8:22:20 AM

Samples were received on 7/8/2024 at 1515 on ice [7.3C - LTG#7]. - pschultz - 7/8/2024 4:04:40 PM

pH strip #96651. - pschultz - 7/8/2024 4:04:44 PM

Samples were received on 7/9/24 at 1415 on ice [12.5C - LTG#5]. Additional Nitric Acid (98584) was needed in APW02, APW05S, APW14, APW15, and APW02 DUP upon arrival at the laboratory. Sample collection date for sample APW02 DUP per WO 24061026 (last page of CoC was not received). pH strip 96651. - LH/nickreed - 7/10/2024 6:26:18 PM

Samples were received on 7/10/24 at 1525 on ice [3.5C - LTG#5]. Additional Nitric Acid (98584) was needed for APW17 and APW18 upon arrival at the laboratory. pH strip #96651. - nickreed - 7/10/2024 6:32:43 PM

Samples were received on 7/11/2024 at 1400 on ice [2.9C - LTG#7]. - pschultz - 7/11/2024 3:43:56 PM

pH strip #96651. - NR/pschultz - 7/11/2024 3:44:34 PM

Samples were received on 8/8/24 at 1424 on ice [1.5C - LTG#5]. Additional Nitric Acid (99172) was needed upon arrival at the laboratory for APW15. pH strip #96651. - amberdilallo - 8/8/2024 4:38:07 PM

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061027
Client Project: NEW-24Q3
Report Date: 11-Sep-24

APW02, APW05S, APW14, APW15, and APW02 Duplicate were recollected due to temperature compliance exceedance on in-house analyses (WO# 24061026). - ehurley - 9/9/2024 9:09:23 AM

24061027 NEW-257-501

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St
	Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911
Fax:	
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Terry Hanratty
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N) — Radium 226/228, only

ITEM #	SAMPLE ID	MATRIX CODE	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	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G																X						N/A
2	A214	WT	G																X						N/A
3	A215	WT	G																X						N/A
* 4	APW02	WT	G	7-8-24	1454		2			2							X				X	X			24061027-001
5	APW03	WT	G				2			2							X				X	X			24061027-002
6	APW04	WT	G				2			2							X				X	X			24061027-003
7	APW05	WT	G				2			2							X				X		X		24061027-004
* 8	APW05S	WT	G	7-8-24	1411		2			2							X				X				24061027-005
9	APW06	WT	G				2			2							X				X				24061027-006
10	APW07	WT	G				2			2							X				X		X		24061027-007
11	APW08	WT	G				2			2							X				X		X		24061027-008
12	APW09	WT	G				2			2							X				X		X		24061027-009
13	APW10	WT	G				2			2							X				X				24061027-010
14	APW11	WT	G				2			2							X				X				24061027-011
15	APW12	WT	G				2			2							X				X				24061027-012
16	APW13	WT	G				2			2							X				X				24061027-013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 0	[signature]	7/9/24	1415	[signature]	7/9/24	1415	Y N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carrol

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7/9/24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

pH 96651
*added HNO3 (98584)
received 2 samples APW02 dup...

Missing final Page of CoC sample date + time per WO 24061026 on 7/10

LH 7/9/24

Temp 12.5 UG5 on ice

24061027

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	APW14	WT	G	7.8.24	1347		2			2							X				X				24061027-014
2	APW15	WT	G	7.8.24	1444		2			2							X				X				24061027-015
3	APW16	WT	G				2			2							X				X				24061027-016
4	APW17	WT	G	7-9-24			2			2							X				X		X		24061027-017
5	APW18	WT	G	7-9-24	1102		2			2							X				X				24061027-018
6	G06D	WT	G															X							N/A
7	G104	WT	G																	X					N/A
8	G104D	WT	G																	X					N/A
9	G104S	WT	G																	X					N/A
10	G105	WT	G	7.9.24	1022															X					N/A
11	G106	WT	G	7-9-24	0950															X					N/A
12	G109	WT	G																	X					N/A
13	G111	WT	G																	X					N/A
14	G112	WT	G																	X					N/A
15	G113	WT	G																	X					N/A
16	G114	WT	G																	X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
NEW-24Q3 Rev 0		7/9/24	1415		7/9/24	1415

SAMPLE CONDITIONS			
	Y	N	
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 7/9/24

24061027

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 6

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G115	WT	G																	X					N/A
2	G116	WT	G																	X		X			N/A
3	G117	WT	G																	X					N/A
4	G118	WT	G																	X					N/A
5	G119	WT	G																	X					N/A
6	G120	WT	G																	X					N/A
7	G125	WT	G																	X					N/A
8	G128	WT	G																	X					N/A
9	G130	WT	G																	X					N/A
10	G133	WT	G																	X					N/A
11	G136	WT	G																	X					N/A
12	G139	WT	G																	X					N/A
13	G141	WT	G	7.9.24	1118															X					N/A
14	G201	WT	G															X							N/A
15	G202	WT	G															X							N/A
16	G203	WT	G															X							N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q3 Rev 0		7/9/24	1415		7/9/24	1415				

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Tracy Carroll					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 7/9/24				

24061027

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 of 6

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St
	Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Terry Hanratty
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G208	WT	G															X	X						N/A
2	G217S	WT	G																X						N/A
3	G218	WT	G																X						N/A
4	G220	WT	G															X	X						N/A
5	G221	WT	G																X						N/A
6	G222	WT	G	7-9-24	1435													X	X						N/A
7	G223	WT	G															X	X						N/A
8	G224	WT	G	7-8-24	1338													X	X						N/A
9	G225	WT	G	7-9-24	929														X						N/A
10	G230	WT	G															X	X						N/A
11	G231	WT	G															X	X						N/A
12	G232	WT	G	7.9.24	1127													X	X						N/A
13	G233	WT	G	7.9.24	941													X	X						N/A
14	G234	WT	G																X						N/A
15	G48MG	WT	G															X							N/A
16	L1R	WT	G															X		X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q3 Rev 0		7/9/24	1415		7/9/24	1415		>	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 7/9/24

CHAIN-OF-CUSTODY / Analytical Request Document

24061027

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 6

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St
	Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Terry Hanratty
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER
Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	A213	WT	G																X						N/A
2	A214	WT	G																X						N/A
3	A215	WT	G																X						N/A
4	APW02	WT	G				2			2							X				X	X				24061027-001
5	APW03	WT	G				2			2							X				X	X				24061027-002
6	APW04	WT	G				2			2							X				X	X				24061027-003
7	APW05	WT	G				2			2							X				X		X			24061027-004
8	APW05S	WT	G				2			2							X				X					24061027-005
9	APW06	WT	G				2			2							X				X					24061027-006
10	APW07	WT	G				2			2							X				X		X			24061027-007
11	APW08	WT	G	7-9-24	1315		2			2							X				X		X			24061027-008
12	APW09	WT	G				2			2							X				X		X			24061027-009
13	APW10	WT	G				2			2							X				X					24061027-010
14	APW11	WT	G				2			2							X				X					24061027-011
15	APW12	WT	G				2			2							X				X					24061027-012
16	APW13	WT	G				2			2							X				X					24061027-013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	Z	
NEW-24Q3 Rev 0		7/10/24	1525		7/10/24	1525	3.5	4		
							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:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 7/10/24

PH✓ 9665 1 M 7/10

ITG 5 on ice

CHAIN-OF-CUSTODY / Analytical Request Document

24061027

NEW-257-501

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 6

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

Radium 226/228, only

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14	WT	G				2			2						X				X				24061027-014
2	APW15	WT	G				2			2						X				X				24061027-015
3	APW16	WT	G	7-10-24	0903		2			2						X				X				24061027-016
4	APW17	WT	G	7-9-24	1138		2			2						X				X		X		24061027-017
5	APW18	WT	G				2			2						X				X				24061027-018
6	G06D	WT	G	7.10.24	1004												X							N/A
7	G104	WT	G																X					N/A
8	G104D	WT	G																X					N/A
9	G104S	WT	G																X					N/A
10	G105	WT	G																X					N/A
11	G106	WT	G																X					N/A
12	G109	WT	G																X					N/A
13	G111	WT	G																X					N/A
14	G112	WT	G																X					N/A
15	G113	WT	G																X					N/A
16	G114	WT	G																X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 0		7/10/24	1525	Brian Reed	7/10/24	1525	

SAMPLE CONDITIONS	Y	N	
Temp in °C			
Received on Ice (Y/N)			
Custody Sealed Cooler (Y/N)			
Samples Intact (Y/N)			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll

DATE Signed (MM/DD/YY): 7/10/24

CHAIN-OF-CUSTODY / Analytical Request Document

24061027

NEW-257-501

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 6

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	G115	WT	G																	X					N/A
2	G116	WT	G																	X		X			N/A
3	G117	WT	G																	X					N/A
4	G118	WT	G																	X					N/A
5	G119	WT	G																	X					N/A
6	G120	WT	G																	X					N/A
7	G125	WT	G	7-10-24	940															X					N/A
8	G128	WT	G	7-10-24	1236															X					N/A
9	G130	WT	G	7-10-24	1124															X					N/A
10	G133	WT	G	7-10-24	1052															X					N/A
11	G136	WT	G	7-10-24	1206															X					N/A
12	G139	WT	G	7-10-24	1237															X					N/A
13	G141	WT	G																	X					N/A
14	G201	WT	G	7-10-24	1155																X				N/A
15	G202	WT	G	7.9.24	1256																X				N/A
16	G203	WT	G	7.9.24	1331																X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q3 Rev 0		7/10/24	1525		7/10/24	1525				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Tracy Carroll				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 7/10/24			

2406027 MEC 257-501

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000					Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	G208	WT	G															X	X								N/A
2	G217S	WT	G																X								N/A
3	G218	WT	G																X								N/A
4	G220	WT	G	7.10.24	1059													X	X								N/A
5	G221	WT	G																X								N/A
6	G222	WT	G															X	X								N/A
7	G223	WT	G	7.10.24	1158													X	X								N/A
8	G224	WT	G															X	X								N/A
9	G225	WT	G																X								N/A
10	G230	WT	G															X	X								N/A
11	G231	WT	G	7.10.24	1119													X	X								N/A
12	G232	WT	G															X	X								N/A
13	G233	WT	G															X	X								N/A
14	G234	WT	G																X								N/A
15	G48MG	WT	G															X									N/A
16	L1R	WT	G															X		X							N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 0		7/10/24	1525		7/10/24	1525	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	7/10/24		

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24061027

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 5 of 6

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Radium 226/228, only

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000				Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L201	WT	G																	X							N/A
2	L202	WT	G																	X							N/A
3	L203	WT	G																	X							N/A
4	L204	WT	G																	X							N/A
5	L205	WT	G																	X							N/A
6	L301	WT	G														X										N/A
7	R217D	WT	G														X	X									N/A
8	R219	WT	G																X								N/A
9	SG02	WT	G													X					X						N/A
10	XPW01	WT	G																		X						N/A
11	XPW02	WT	G																		X						N/A
12	XPW03	WT	G																		X						N/A
13	XPW04	WT	G																		X						N/A
14	XSG01	WT	G													X					X						N/A
15	Field Blank	WT	G				2			2						X	X	X	X	X	X	X	X				24061027-019
16	A213 Duplicate	WT	G																X								N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q3 Rev 0		7/10/24	1525	Rich Reid	7/11/24	1525				
							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: Jared

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7/10/24

24061027

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 6 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Radium 226/228, only

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW02 Duplicate		WT	G				2			2						X				X	X				24061027-020
2	G104 Duplicate		WT	G																X						N/A
3	Equipment Blank 1		WT	G				2			2						X	X	X	X	X	X	X			24061027-021
4	Equipment Blank 2		WT	G				2			2						X	X	X	X	X	X	X			24061027-022
5	Equipment Blank 3		WT	G				2			2						X	X	X	X	X	X	X			24061027-023
6	R2170 RGSample				7-10-24	0932																				
7	G230 RGSample				↓	1002																				
8	G221 RGSample					1025																				
9																										
10																										
11																										
12																										
13																										
14																										
15																										
16																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 0		7/10/24	1525	Mark Reed	7/10/24	1525	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carol

SIGNATURE of SAMPLER: (MM/DD/YY): 7/10/24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

CHAIN-OF-CUSTODY / Analytical Request Document

24061027 NEW-257-501

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Page: 3 of 6

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G115	WT	G																X					N/A
2	G116	WT	G	7-1-24	924														X		X			N/A
3	G117	WT	G																X					N/A
4	G118	WT	G																X					N/A
5	G119	WT	G																X					N/A
6	G120	WT	G																X					N/A
7	G125	WT	G																X					N/A
8	G128	WT	G																X					N/A
9	G130	WT	G																X					N/A
10	G133	WT	G																X					N/A
11	G136	WT	G																X					N/A
12	G139	WT	G																X					N/A
13	G141	WT	G																X					N/A
14	G201	WT	G														X							N/A
15	G202	WT	G														X							N/A
16	G203	WT	G														X							N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q3 Rev 0		7-1-24	1410		7/1/24	1430		>	N	
	Brett Gillihan						2.9	ice		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 7-1-24

PWS 96651
M 7/11

UG 7

24061027

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	G208		WT	G															X	X						N/A
2	G217S		WT	G																X						N/A
3	G218		WT	G																X						N/A
4	G220		WT	G															X	X						N/A
5	G221		WT	G																X						N/A
6	G222		WT	G															X	X						N/A
7	G223		WT	G															X	X						N/A
8	G224		WT	G															X	X						N/A
9	G225		WT	G																X						N/A
10	G230		WT	G															X	X						N/A
11	G231		WT	G															X	X						N/A
12	G232		WT	G															X	X						N/A
13	G233		WT	G															X	X						N/A
14	G234		WT	G																X						N/A
15	G48MG		WT	G	7-11-24	0852													X							N/A
16	L1R		WT	G	7-11-24	1020													X			X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q3 Rev 0	[signature]	7-11-24	1400	[signature]	7/11/24	1400		>	N	
							2.9	ice		
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gilliam

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-11-24

CTG7

24061027

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 5 of 6

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Radium 226/228, only

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																		
1	L201	WT	G																	X					N/A
2	L202	WT	G																	X					N/A
3	L203	WT	G																	X					N/A
4	L204	WT	G																	X					N/A
5	L205	WT	G																	X					N/A
6	L301	WT	G	7-11-24	1002													X							N/A
7	R217D.5	WT	G	7-10-24	1340													X	X						N/A
8	R219	WT	G	7-10-24	1341														X						N/A
9	SG02	WT	G														X				X				N/A
10	XPW01	WT	G	7-10-24	1344																X				N/A
11	XPW02	WT	G	7-11-24	0925																X				N/A
12	XPW03	WT	G	7-11-24	1004																X				N/A
13	XPW04	WT	G	7-11-24	922																X				N/A
14	XSG01	WT	G														X				X				N/A
15	Field Blank	WT	G	7-11-24	1005		2			2							X	X	X	X	X	X	X		24061027-019
16	A213 Duplicate	WT	G																X						N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q3 Rev 0	Brett Gillikin	7-11-24	1400		7/11/24	1450		Y	N	
							2.9	ICE		

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Brett Gillikin				
SIGNATURE of SAMPLER:					
DATE Signed (MM/DD/YY):	7-11-24				

467

24061027 NEW-257-501

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 6 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY			
NPDES	GROUND WATER	DRINKING WATER	
UST	RCRA	OTHER	
Site Location STATE:	IL	Radium 226/228, only	

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW02 Duplicate	WT	G				2			2							X				X	X			24061027-020
2	G104 Duplicate	WT	G																	X					N/A
3	Equipment Blank 1	WT	G	7-11-24	1015		2			2							X	X	X	X	X	X	X		24061027-021
4	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X	X		24061027-022
5	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X		24061027-023
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q3 Rev 0		7-11-24	1400		7/11/24	1400		Y	N	
							Temp in °C: 2.9	Ice		

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:				
SIGNATURE of SAMPLER:	(MM/DD/YY): 7-11-24	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

UG7

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 6

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Requested Analysis Filtered (Y/N)

Radium 226/228, only

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G	7-2-24	0943														X						N/A
2	A214	WT	G	7.2.24	1029														X						N/A
3	A215	WT	G	7.2.24	1117														X						N/A
4	APW02	WT	G				2			2							X				X	X			24061027-001
5	APW03	WT	G				2			2							X				X	X			24061027-002
6	APW04	WT	G				2			2							X				X	X			24061027-003
* 7	APW05	WT	G	7.2.24	1013		2			2							X				X		X		24061027-004
8	APW05S	WT	G				2			2							X				X				24061027-005
* 9	APW06	WT	G	7.2.24	1226		2			2							X				X				24061027-006
* 10	APW07	WT	G	7.2.24	1327		2			2							X				X		X		24061027-007
11	APW08	WT	G				2			2							X				X		X		24061027-008
* 12	APW09	WT	G	7.2.24	1419		2			2							X				X		X		24061027-009
* 13	APW10	WT	G		1304		2			2							X				X				24061027-010
* 14	APW11	WT	G		1103		2			2							X				X				24061027-011
* 15	APW12	WT	G		1157		2			2							X				X				24061027-012
* 16	APW13	WT	G		1411		2			2							X				X				24061027-013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q3 Rev 0	Daniel Camp	7/2	1640	Mick Reed	7/2/24	1640	9	Y	N	
							22			
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carrol

SIGNATURE of SAMPLER: Tracy Carrol DATE Signed (MM/DD/YY): 7/2/24

pH 9414i

Added HNO_3 (88584) to APW05, APW06, APW07, APW09
APW10, APW11, APW12, APW13.

RS 7/3

. Confidential

CHAIN-OF-CUSTODY / Analytical Request Document

24061027

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 6

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	APW14	WT	G				2			2							X				X				24061027-014
2	APW15	WT	G				2			2							X				X				24061027-015
3	APW16	WT	G				2			2							X				X				24061027-016
4	APW17	WT	G				2			2							X				X		X		24061027-017
5	APW18	WT	G				2			2							X				X				24061027-018
6	G06D	WT	G															X							N/A
7	G104	WT	G																	X					N/A
8	G104D	WT	G																	X					N/A
9	G104S	WT	G																	X					N/A
10	G105	WT	G																	X					N/A
11	G106	WT	G																	X					N/A
12	G109	WT	G																	X					N/A
13	G111	WT	G																	X					N/A
14	G112	WT	G																	X					N/A
15	G113	WT	G																	X					N/A
16	G114	WT	G																	X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 0	Daniel Camp	7/2	1640	Brian Reed	7/2/24	1640	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

CHAIN-OF-CUSTODY / Analytical Request Document

2406027

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

Radium 226/228, only

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G115	WT	G																	X					N/A
2	G116	WT	G																	X		X			N/A
3	G117	WT	G																	X					N/A
4	G118	WT	G																	X					N/A
5	G119	WT	G																	X					N/A
6	G120	WT	G																	X					N/A
7	G125	WT	G																	X					N/A
8	G128	WT	G																	X					N/A
9	G130	WT	G																	X					N/A
10	G133	WT	G																	X					N/A
11	G136	WT	G																	X					N/A
12	G139	WT	G																	X					N/A
13	G141	WT	G																	X					N/A
14	G201	WT	G															X							N/A
15	G202	WT	G															X							N/A
16	G203	WT	G															X							N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q3 Rev 0	Daniel GP	7/2	1649	Nick Rodd	7/2/24	1640				

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24061027

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	G208	WT	G															X	X						N/A
2	G217S	WT	G																X						N/A
3	G218	WT	G																X						N/A
4	G220	WT	G															X	X						N/A
5	G221	WT	G	7-2-24	1248														X						N/A
6	G222	WT	G															X	X						N/A
7	G223	WT	G															X	X						N/A
8	G224	WT	G															X	X						N/A
9	G225	WT	G																X						N/A
10	G230	WT	G	7-2-24	1341													X	X						N/A
11	G231	WT	G															X	X						N/A
12	G232	WT	G															X	X						N/A
13	G233	WT	G															X	X						N/A
14	G234	WT	G																X						N/A
15	G48MG	WT	G															X							N/A
16	L1R	WT	G															X		X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
NEW-24Q3 Rev 0	Daniel Sz	7/2	1649	Brian Reed	7/2/24	1640

SAMPLE CONDITIONS	Y	N	
Temp in °C			
Received on Ice (Y/N)			
Custody Sealed Cooler (Y/N)			
Samples Intact (Y/N)			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

24061027

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 5 of 6

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Radium 226/228, only

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L201	WT	G																	X					N/A
2	L202	WT	G																	X					N/A
3	L203	WT	G																	X					N/A
4	L204	WT	G																	X					N/A
5	L205	WT	G																	X					N/A
6	L301	WT	G														X								N/A
7	R217D	WT	G	7-2-24	1134												X	X							N/A
8	R219	WT	G															X							N/A
9	SG02	WT	G													X				X					N/A
10	XPW01	WT	G																	X					N/A
11	XPW02	WT	G																	X					N/A
12	XPW03	WT	G																	X					N/A
13	XPW04	WT	G																	X					N/A
14	XSG01	WT	G													X				X					N/A
15	Field Blank	WT	G				2			2						X	X	X	X	X	X	X			24061027-019
16	A213 Duplicate	WT	G	7-2-24	0943													X							N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q3 Rev 0	Daniel Cap	7/2	1640	Nick Reed	7/2/24	1640		Y	N	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

24061027

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL — Radium 226/228, only

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW02 Duplicate	WT	G				2			2							X				X	X			24061027-020
2	G104 Duplicate	WT	G																	X					N/A
3	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X		24061027-021
4	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X	X		24061027-022
5	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X		24061027-023
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
NEW-24Q3 Rev 0	[signature]	7/2	1640	[signature]	7/2/24	1640

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: (MM/DD/YY):

24061027

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 6

Section A Required Client Information:

- Company: Vistra Corp-Newton
- Address: 6725 N 500th St, Newton, IL 62448
- Email To: Brian.Voelker@VistraCorp.com
- Phone: (217) 753-8911 Fax:
- Requested Due Date/TAT: 10 day

Section B Required Project Information:

- Report To: Brian Voelker
- Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com; Sam Davies - samantha.davies@vistracorp.com
- Purchase Order No.:
- Project Name:
- Project Number: 2285

Section C Invoice Information:

- Attention: Terry Hanratty
- Company Name: Vistra Corp
- Address: see Section A
- Quote Reference:
- Project Manager:
- Profile #:

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

Radium 226/228, only

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID	MATRIX CODE	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	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G																X						N/A
2	A214	WT	G																X						N/A
3	A215	WT	G																X						N/A
4	APW02	WT	G				2			2							X				X	X			24061027-001
5	APW03	WT	G	7.8	1211		2			2							X				X	X			24061027-002
6	APW04	WT	G	7.8	1125		2			2							X				X	X			24061027-003
7	APW05	WT	G				2			2							X				X		X		24061027-004
8	APW05S	WT	G				2			2							X				X				24061027-005
9	APW06	WT	G				2			2							X				X				24061027-006
10	APW07	WT	G				2			2							X				X		X		24061027-007
11	APW08	WT	G				2			2							X				X		X		24061027-008
12	APW09	WT	G				2			2							X				X		X		24061027-009
13	APW10	WT	G				2			2							X				X				24061027-010
14	APW11	WT	G				2			2							X				X				24061027-011
15	APW12	WT	G				2			2							X				X				24061027-012
16	APW13	WT	G				2			2							X				X				24061027-013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q3 Rev 0	FB / Teklab	7.8	1515	[illegible]	7/8/24	1515		Y	N	
							2.8°C	LE07		
							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: Frank Barthel

SIGNATURE of SAMPLER: FB

DATE Signed (MM/DD/YY): 7.8.24

PW/96651
PS 7/8

CHAIN-OF-CUSTODY / Analytical Request Document

24061027

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY			
NPDES	GROUND WATER	DRINKING WATER	
UST	RCRA	OTHER	
Site Location STATE:	IL		

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	APW14	WT	G				2			2						X				X					24061027-014
2	APW15	WT	G				2			2						X				X					24061027-015
3	APW16	WT	G				2			2						X				X					24061027-016
4	APW17	WT	G				2			2						X				X		X			24061027-017
5	APW18	WT	G				2			2						X				X					24061027-018
6	G06D	WT	G														X								N/A
7	G104	WT	G	7.8	1146														X						N/A
8	G104D	WT	G																X						N/A
9	G104S	WT	G																X						N/A
10	G105	WT	G																X						N/A
11	G106	WT	G																X						N/A
12	G109	WT	G																X						N/A
13	G111	WT	G																X						N/A
14	G112	WT	G																X						N/A
15	G113	WT	G																X						N/A
16	G114	WT	G																X						N/A

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q3 Rev 0		7.8.24	1515		7/8/24	1515				
							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: Frank Barthol

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7.8.24

24061027

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Valid Matrix Codes: DRINKING WATER (DW), WATER (WT), WASTE WATER (WW), PRODUCT (P), SOIL/SOLID (SL), OIL (OL), WIPE (WP), AIR (AR), OTHER (OT), TISSUE (TS)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																		
1	G208	WT	G															X	X						N/A
2	G217S	WT	G																X						N/A
3	G218	WT	G																X						N/A
4	G220	WT	G															X	X						N/A
5	G221	WT	G																X						N/A
6	G222	WT	G															X	X						N/A
7	G223	WT	G															X	X						N/A
8	G224	WT	G															X	X						N/A
9	G225	WT	G																X						N/A
10	G230	WT	G															X	X						N/A
11	G231	WT	G															X	X						N/A
12	G232	WT	G															X	X						N/A
13	G233	WT	G															X	X						N/A
14	G234	WT	G	7.8	1201														X						N/A
15	G48MG	WT	G															X							N/A
16	L1R	WT	G															X		X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q3 Rev 0	FB / TekLab	7.8	1515	Paul Lobley	7/8/24	1515				
							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: Frank Barthol

SIGNATURE of SAMPLER: FB DATE Signed (MM/DD/YY): 7.8.24

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	Radium 226/228, only

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																	
1	APW02 Duplicate	WT	G				2			2							X				X	X			24061027-020
2	G104 Duplicate	WT	G	7.8	1146															X					N/A
3	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X		24061027-021
4	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X	X		24061027-022
5	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X		24061027-023
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q3 Rev 0	TB / Teklab	7.8	1515	Paul Doty	7/8/24	1515	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:			Y	N	
SIGNATURE of SAMPLER:	(MM/DD/YY):				

24061027

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N 500th St
	Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911 Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Terry Hanratty
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES	**GROUND WATER**	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

Resampling + new wells. Ra226/228, only.

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	NEW-NE-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW02	WT	G	8-7	1331		2			2							X				X	X		X		24061027-022
2	APW05S	WT	G	8-7	1008		2			2							X				X	X		X		24061027-023
3	APW14	WT	G	8-7	1238		2			2							X				X			X		24061027-024
4	APW15	WT	G	8-7	1155		2			2							X				X			X		24061027-025
5	APW19S	WT	G	8-7	1125		2			2														X		24061027-026
6	APW20S *	WT	G	8-7	1229		2			2														X		24061027-027
7	APW21S	WT	G	8-7	1148		2			2														X		24061027-028
8	APW22S	WT	G	8-8	0920		2			2														X		24061027-029
9	APW23S	WT	G	8-8	1025		2			2														X		24061027-030
10	APW23	WT	G	8-8	1055		2			2														X		24061027-031
11	G222	WT	G	8-7	1118		0											X	X							N/A
12	G224	WT	G	8-7	1051		0											X	X							N/A
13	Field Blank 2	WT	G	8-8	1105		2			2							X	X	X		X	X		X		24061027-032
14	APW02 Duplicate	WT	G	8-7	1331		2			2							X				X	X		X		24061027-033
15	APW19S Duplicate	WT	G	8-7	1125		2			2														X		24061027-034
16	Equipment Blank 2	WT	G	8-8	1113		2			2							X	X	X		X	X		X		24061027-035

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q3 Rev 2	[signature]	8-8	1424	[signature]	8/8/24	1424	1.5 #5	Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 8-7-24

* went dry during reads

Added HNO3 (99172) to APW15.
pH ✓ 9[illegible]. [initials] 8/8/24

CHAIN-OF-CUSTODY / Analytical Request Document

24061027

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 2

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number:	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

Resampling + new wells. Ra226/228, only.

ITEM #	Section D Required Client Information	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	NEW-NE-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Equipment Blank 3	WT	G	8-7	1345		2			2							X	X	X		X	X		X		24061027-036
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										
13																										
14																										
15																										
16																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q3 Rev 2		8-8	1524	Andrew Wells	8/8/24	1424	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 8-8-24

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 8/15/2024 3:30:31 PM

JOB DESCRIPTION

Radium-226 and Radium-228
24061027

JOB NUMBER

160-54750-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

myEOL

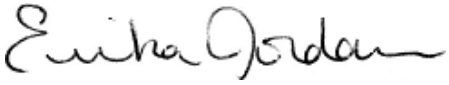
Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



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8/15/2024 3:30:31 PM

Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

Table of Contents

CASE NARRATIVE

Client: TekLab, Inc

Project: 24061027

Report Number: 160-54750-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

All solid sample results for Chemistry analyses are reported on an ""as received"" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Receipt
The samples were received on 7/19/2024 12:40 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 2 coolers at receipt time were 20.5°C and 21.9°C.

There were 5 samples received that were cancelled upon receipt. The cllient instructed to dispose of the received containers. The corresponding email regarding the cancelled samples is included with the report for documentation.

Method 903.0 - Radium-226 (GFPC)
Samples 24061027-002 (160-54750-1), 24061027-003 (160-54750-2), 24061027-004 (160-54750-3), 24061027-006 (160-54750-4), 24061027-007 (160-54750-5), 24061027-008 (160-54750-6), 24061027-009 (160-54750-7), 24061027-010 (160-54750-8), 24061027-011 (160-54750-9), 24061027-012 (160-54750-10), 24061027-013 (160-54750-11), 24061027-016 (160-54750-12), 24061027-017 (160-54750-13), 24061027-018 (160-54750-14), 24061027-019 (160-54750-15) and

Case Narrative

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-54750-1

Job ID: 160-54750-1 (Continued) — Eurofins St. Louis

24061027-021 (160-54750-16) were analyzed for Radium-226 (GFPC). The samples were prepared on 7/23/2024 and analyzed on 8/14/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method 904.0 - Radium-228 (GFPC)
Samples 24061027-002 (160-54750-1), 24061027-003 (160-54750-2), 24061027-004 (160-54750-3), 24061027-006 (160-54750-4), 24061027-007 (160-54750-5), 24061027-008 (160-54750-6), 24061027-009 (160-54750-7), 24061027-010 (160-54750-8), 24061027-011 (160-54750-9), 24061027-012 (160-54750-10), 24061027-013 (160-54750-11), 24061027-016 (160-54750-12), 24061027-017 (160-54750-13), 24061027-018 (160-54750-14), 24061027-019 (160-54750-15) and 24061027-021 (160-54750-16) were analyzed for Radium-228 (GFPC). The samples were prepared on 7/23/2024 and analyzed on 8/1/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24061027-002 (160-54750-1), 24061027-003 (160-54750-2), 24061027-004 (160-54750-3), 24061027-006 (160-54750-4), 24061027-007 (160-54750-5), 24061027-008 (160-54750-6), 24061027-009 (160-54750-7), 24061027-010 (160-54750-8), 24061027-011 (160-54750-9), 24061027-012 (160-54750-10), 24061027-013 (160-54750-11), 24061027-016 (160-54750-12), 24061027-017 (160-54750-13), 24061027-018 (160-54750-14), 24061027-019 (160-54750-15) and 24061027-021 (160-54750-16) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 8/15/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Erika Jordan

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Friday, July 19, 2024 4:31 PM
To: Erika Jordan
Subject: RE: Receipt Discrepancy

They may be disposed of per your normal procedures.

Thanks, again!

Have a great day!

Elizabeth Hurley
Director of Customer Service

Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

From: Erika Jordan <Erika.Jordan@et.eurofinsus.com>
Sent: Friday, July 19, 2024 4:23 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: RE: Receipt Discrepancy

What do you want done with the containers that were sent to the lab for those cancelled samples?

Thank you!

Erika Jordan
Senior Project Manager

Phone: 314-787-8225
E-mail: Erika.Jordan@ET.EurofinsUS.com

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Friday, July 19, 2024 4:04 PM
To: Erika Jordan <Erika.Jordan@et.eurofinsus.com>
Subject: RE: Receipt Discrepancy

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hi, Erika,

The samples marked as cancelled should not be analyzed; Teklab will recollect those wells and submit at a later date.

Thanks for checking.

Have a great weekend!

Elizabeth Hurley
Director of Customer Service

Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

From: Erika Jordan <Erika.Jordan@et.eurofinsus.com>
Sent: Friday, July 19, 2024 4:00 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: Receipt Discrepancy

Hi Elizabeth!

We received samples today but on the COC there are 5 samples that say cancelled, however, we received containers for those samples.

Are we to analyze these and disregard the "cancel" note or do we dispose of the containers? How would you like us to proceed?

Thank you and have a great day!

Erika Jordan
Senior Project Manager

Eurofins TestAmerica – St. Louis
13715 Rider Trail North
Earth City, MO 63045
USA
Phone: 314-787-8225

E-mail: Erika.Jordan@ET.EurofinsUS.com
www.EurofinsUS.com/Env

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TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampler | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested..

Project# 24061027

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 36631 | Phone: (618) 344-1004 ext. 33

* CANCEL 24061027-001, -005, -014, -015 and -020 - res sampling is required. SAH 7/19/24

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
* CANCEL	24061027-001	7/8/24 1454	HNO3	Groundwater	✔	✔	✔
	24061027-002	7/8/24 1211	HNO3	Groundwater	✔	✔	✔
	24061027-003	7/8/24 1125	HNO3	Groundwater	✔	✔	✔
	24061027-004	7/2/24 1013	HNO3	Groundwater	✔	✔	✔
* CANCEL	24061027-005	7/8/24 1411	HNO3	Groundwater	✔	✔	✔
	24061027-006	7/2/24 1226	HNO3	Groundwater	✔	✔	✔
	24061027-007	7/2/24 1327	HNO3	Groundwater	✔	✔	✔
	24061027-008	7/9/24 1315	HNO3	Groundwater	✔	✔	✔
	24061027-009	7/2/24 1419	HNO3	Groundwater	✔	✔	✔
	24061027-010	7/2/24 1304	HNO3	Groundwater	✔	✔	✔
	24061027-011	7/2/24 1103	HNO3	Groundwater	✔	✔	✔

160-54750 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
	7/16/24 1106		7/19/24 1100
	7/19/24 1237	M Arnold	7/19/24 1240

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

Pg 2 of 2

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampler QC Level: 2

Project#: 24061027

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested..

Contact: Elizabeth Hurley Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 36631 Phone: (618) 344-1004 ext. 33

PLEASE NOTE:
NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24061027-012	7/2/24 1157	HNO3	Groundwater	✔	✔	✔
	24061027-013	7/2/24 1411	HNO3	Groundwater	✔	✔	✔
* CANCEL	24061027-014	7/8/24 1347	HNO3	Groundwater	✔	✔	✔
* CANCEL	24061027-015	7/8/24 1444	HNO3	Groundwater	✔	✔	✔
	24061027-016	7/10/24 0903	HNO3	Groundwater	✔	✔	✔
	24061027-017	7/9/24 ~~1438~~ 1238	HNO3	Groundwater	✔	✔	✔
	24061027-018	7/9/24 1102 TE SAN 7/15/24	HNO3	Groundwater	✔	✔	✔
	24061027-019	7/11/24 1005	HNO3	Groundwater	✔	✔	✔
* CANCEL	24061027-020	7/8/24 1454	HNO3	Groundwater	✔	✔	✔
	24061027-021	7/11/24 1015	HNO3	Groundwater	✔	✔	✔
			HNO3	Groundwater			

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	7/15/24 1100	[signature]	7/15/24 1100
[signature]	7/19/24 1237	[signature]	7/19/24 1240

SubCocRevA 3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-54750-1
SDG Number: 24061027

Login Number: 54750
List Number: 1
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-54750-1
SDG: 24061027

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-54750-1
SDG: 24061027

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-54750-1	24061027-002	Water	07/08/24 12:11	07/19/24 12:40
160-54750-2	24061027-003	Water	07/08/24 11:25	07/19/24 12:40
160-54750-3	24061027-004	Water	07/02/24 10:13	07/19/24 12:40
160-54750-4	24061027-006	Water	07/02/24 12:26	07/19/24 12:40
160-54750-5	24061027-007	Water	07/02/24 13:27	07/19/24 12:40
160-54750-6	24061027-008	Water	07/09/24 13:15	07/19/24 12:40
160-54750-7	24061027-009	Water	07/02/24 14:19	07/19/24 12:40
160-54750-8	24061027-010	Water	07/02/24 13:04	07/19/24 12:40
160-54750-9	24061027-011	Water	07/02/24 11:03	07/19/24 12:40
160-54750-10	24061027-012	Water	07/02/24 11:57	07/19/24 12:40
160-54750-11	24061027-013	Water	07/02/24 14:11	07/19/24 12:40
160-54750-12	24061027-016	Water	07/10/24 09:03	07/19/24 12:40
160-54750-13	24061027-017	Water	07/09/24 12:38	07/19/24 12:40
160-54750-14	24061027-018	Water	07/09/24 11:02	07/19/24 12:40
160-54750-15	24061027-019	Water	07/11/24 10:05	07/19/24 12:40
160-54750-16	24061027-021	Water	07/11/24 10:15	07/19/24 12:40

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-54750-1
SDG: 24061027

Client Sample ID: 24061027-002
Date Collected: 07/08/24 12:11
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.125		0.0683	0.0692	1.00	0.0784	pCi/L	07/23/24 08:21	08/14/24 10:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*07/23/24 08:21*	*08/14/24 10:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0277	U	0.287	0.287	1.00	0.549	pCi/L	07/23/24 08:24	08/01/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:13*	*1*
Y Carrier	*79.6*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.125	U	0.295	0.295	5.00	0.549	pCi/L		08/15/24 11:34	1

Client Sample ID: 24061027-003
Date Collected: 07/08/24 11:25
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0569	U	0.0591	0.0593	1.00	0.0923	pCi/L	07/23/24 08:21	08/14/24 10:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*07/23/24 08:21*	*08/14/24 10:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.147	U	0.343	0.344	1.00	0.601	pCi/L	07/23/24 08:24	08/01/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:13*	*1*
Y Carrier	*80.4*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.204	U	0.348	0.349	5.00	0.601	pCi/L		08/15/24 11:34	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-54750-1
SDG: 24061027

Client Sample ID: 24061027-004
Date Collected: 07/02/24 10:13
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.143		0.0842	0.0851	1.00	0.113	pCi/L	07/23/24 08:21	08/14/24 10:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*07/23/24 08:21*	*08/14/24 10:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0352	U	0.288	0.288	1.00	0.549	pCi/L	07/23/24 08:24	08/01/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:13*	*1*
Y Carrier	*81.1*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.143	U	0.300	0.300	5.00	0.549	pCi/L		08/15/24 11:34	1

Client Sample ID: 24061027-006
Date Collected: 07/02/24 12:26
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-4
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.393		0.113	0.118	1.00	0.0898	pCi/L	07/23/24 08:21	08/14/24 10:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*07/23/24 08:21*	*08/14/24 10:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0111	U	0.269	0.269	1.00	0.512	pCi/L	07/23/24 08:24	08/01/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:13*	*1*
Y Carrier	*81.1*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.393	U	0.292	0.294	5.00	0.512	pCi/L		08/15/24 11:34	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-54750-1
SDG: 24061027

Client Sample ID: 24061027-007
Date Collected: 07/02/24 13:27
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-5
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.02		0.198	0.219	1.00	0.102	pCi/L	07/23/24 08:21	08/14/24 10:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*07/23/24 08:21*	*08/14/24 10:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.577		0.386	0.390	1.00	0.560	pCi/L	07/23/24 08:24	08/01/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:13*	*1*
Y Carrier	*82.2*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.60		0.434	0.447	5.00	0.560	pCi/L		08/15/24 11:34	1

Client Sample ID: 24061027-008
Date Collected: 07/09/24 13:15
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-6
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.482		0.124	0.131	1.00	0.0913	pCi/L	07/23/24 08:21	08/14/24 10:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*07/23/24 08:21*	*08/14/24 10:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.254	U	0.350	0.350	1.00	0.586	pCi/L	07/23/24 08:24	08/01/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:13*	*1*
Y Carrier	*82.2*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.736		0.371	0.374	5.00	0.586	pCi/L		08/15/24 11:34	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-54750-1
SDG: 24061027

Client Sample ID: 24061027-009
Date Collected: 07/02/24 14:19
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-7
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.596**		0.165	0.173	1.00	0.147	pCi/L	07/23/24 08:21	08/14/24 10:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*07/23/24 08:21*	*08/14/24 10:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.417	U	0.391	0.393	1.00	0.619	pCi/L	07/23/24 08:24	08/01/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:08*	*1*
Y Carrier	*84.1*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.01**		0.424	0.429	5.00	0.619	pCi/L		08/15/24 11:34	1

Client Sample ID: 24061027-010
Date Collected: 07/02/24 13:04
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-8
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.108	U	0.0838	0.0844	1.00	0.124	pCi/L	07/23/24 08:21	08/14/24 10:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*07/23/24 08:21*	*08/14/24 10:09*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0115	U	0.278	0.278	1.00	0.530	pCi/L	07/23/24 08:24	08/01/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:08*	*1*
Y Carrier	*82.2*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.108	U	0.290	0.291	5.00	0.530	pCi/L		08/15/24 11:34	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-54750-1
SDG: 24061027

Client Sample ID: 24061027-011
Date Collected: 07/02/24 11:03
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-9
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.398**		0.121	0.126	1.00	0.111	pCi/L	07/23/24 08:21	08/14/24 10:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*07/23/24 08:21*	*08/14/24 10:09*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.285	U	0.301	0.302	1.00	0.486	pCi/L	07/23/24 08:24	08/01/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:08*	*1*
Y Carrier	*82.2*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.683**		0.324	0.327	5.00	0.486	pCi/L		08/15/24 11:34	1

Client Sample ID: 24061027-012
Date Collected: 07/02/24 11:57
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-10
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.112	U	0.0848	0.0854	1.00	0.124	pCi/L	07/23/24 08:21	08/14/24 10:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*07/23/24 08:21*	*08/14/24 10:09*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.421	U	0.343	0.345	1.00	0.530	pCi/L	07/23/24 08:24	08/01/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:09*	*1*
Y Carrier	*83.0*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:09*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.533**		0.353	0.355	5.00	0.530	pCi/L		08/15/24 11:34	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-54750-1
SDG: 24061027

Client Sample ID: 24061027-013

Date Collected: 07/02/24 14:11
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-11

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.123**		0.0765	0.0773	1.00	0.0997	pCi/L	07/23/24 08:21	08/14/24 10:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*07/23/24 08:21*	*08/14/24 10:09*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.344	U	0.341	0.343	1.00	0.548	pCi/L	07/23/24 08:24	08/01/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:09*	*1*
Y Carrier	*82.2*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:09*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.467	U	0.349	0.352	5.00	0.548	pCi/L		08/15/24 13:04	1

Client Sample ID: 24061027-016

Date Collected: 07/10/24 09:03
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-12

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.779**		0.183	0.196	1.00	0.124	pCi/L	07/23/24 08:21	08/14/24 10:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*07/23/24 08:21*	*08/14/24 10:09*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.892**		0.473	0.480	1.00	0.651	pCi/L	07/23/24 08:24	08/01/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:09*	*1*
Y Carrier	*83.4*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:09*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.67**		0.507	0.518	5.00	0.651	pCi/L		08/15/24 13:04	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-54750-1
SDG: 24061027

Client Sample ID: 24061027-017
Date Collected: 07/09/24 12:38
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-13
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.977		0.171	0.192	1.00	0.0922	pCi/L	07/23/24 08:21	08/14/24 10:09	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110	07/23/24 08:21	08/14/24 10:09	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.809		0.362	0.369	1.00	0.474	pCi/L	07/23/24 08:24	08/01/24 12:10	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110	07/23/24 08:24	08/01/24 12:10	1
Y Carrier	85.6		30 - 110	07/23/24 08:24	08/01/24 12:10	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.79		0.400	0.416	5.00	0.474	pCi/L		08/15/24 13:04	1

Client Sample ID: 24061027-018
Date Collected: 07/09/24 11:02
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-14
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.575		0.148	0.157	1.00	0.131	pCi/L	07/23/24 08:21	08/14/24 10:09	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110	07/23/24 08:21	08/14/24 10:09	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.533		0.350	0.353	1.00	0.518	pCi/L	07/23/24 08:24	08/01/24 12:10	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110	07/23/24 08:24	08/01/24 12:10	1
Y Carrier	85.2		30 - 110	07/23/24 08:24	08/01/24 12:10	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.11		0.380	0.386	5.00	0.518	pCi/L		08/15/24 13:04	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-54750-1
SDG: 24061027

Client Sample ID: 24061027-019
Date Collected: 07/11/24 10:05
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-15
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0182	U	0.0396	0.0396	1.00	0.0960	pCi/L	07/23/24 08:21	08/14/24 10:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*07/23/24 08:21*	*08/14/24 10:09*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0151	U	0.272	0.272	1.00	0.508	pCi/L	07/23/24 08:24	08/01/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:10*	*1*
Y Carrier	*87.1*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0151	U	0.275	0.275	5.00	0.508	pCi/L		08/15/24 13:04	1

Client Sample ID: 24061027-021
Date Collected: 07/11/24 10:15
Date Received: 07/19/24 12:40

Lab Sample ID: 160-54750-16
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0159	U	0.0500	0.0500	1.00	0.0959	pCi/L	07/23/24 08:21	08/14/24 10:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*07/23/24 08:21*	*08/14/24 10:09*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.000	U	0.269	0.269	1.00	0.510	pCi/L	07/23/24 08:24	08/01/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:10*	*1*
Y Carrier	*85.6*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0159	U	0.274	0.274	5.00	0.510	pCi/L		08/15/24 13:04	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-54750-1
SDG: 24061027

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-671940/1-A
Matrix: Water
Analysis Batch: 674941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671940

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03093	U	0.0460	0.0460	1.00	0.0790	pCi/L	07/23/24 08:21	08/14/24 10:05	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.3*		*30 - 110*	*07/23/24 08:21*	*08/14/24 10:05*	*1*

Lab Sample ID: LCS 160-671940/2-A
Matrix: Water
Analysis Batch: 674941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671940

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.617		1.01	1.00	0.0736	pCi/L	100	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*94.5*		*30 - 110*

Lab Sample ID: 160-54750-10 DU
Matrix: Water
Analysis Batch: 675069

Client Sample ID: 24061027-012
Prep Type: Total/NA
Prep Batch: 671940

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.112	U		0.1046		0.0736	1.00	0.0997	pCi/L			0.05	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*83.4*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-671941/1-A
Matrix: Water
Analysis Batch: 673422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671941

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.03052	U	0.280	0.280	1.00	0.529	pCi/L	07/23/24 08:24	08/01/24 12:13	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.3*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:13*	*1*
Y Carrier	*83.0*		*30 - 110*	*07/23/24 08:24*	*08/01/24 12:13*	*1*

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-54750-1
SDG: 24061027

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-671941/2-A
Matrix: Water
Analysis Batch: 673422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671941

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.71	8.755		1.23	1.00	0.493	pCi/L	100	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*94.5*		*30 - 110*
Y Carrier	*80.4*		*30 - 110*

Lab Sample ID: 160-54750-10 DU
Matrix: Water
Analysis Batch: 673421

Client Sample ID: 24061027-012
Prep Type: Total/NA
Prep Batch: 671941

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.421	U		0.7025		0.452	1.00	0.670	pCi/L			0.35	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*83.4*		*30 - 110*
Y Carrier	*81.9*		*30 - 110*

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-54750-1
SDG: 24061027

Rad

Prep Batch: 671940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54750-1	24061027-002	Total/NA	Water	PrecSep-21	
160-54750-2	24061027-003	Total/NA	Water	PrecSep-21	
160-54750-3	24061027-004	Total/NA	Water	PrecSep-21	
160-54750-4	24061027-006	Total/NA	Water	PrecSep-21	
160-54750-5	24061027-007	Total/NA	Water	PrecSep-21	
160-54750-6	24061027-008	Total/NA	Water	PrecSep-21	
160-54750-7	24061027-009	Total/NA	Water	PrecSep-21	
160-54750-8	24061027-010	Total/NA	Water	PrecSep-21	
160-54750-9	24061027-011	Total/NA	Water	PrecSep-21	
160-54750-10	24061027-012	Total/NA	Water	PrecSep-21	
160-54750-11	24061027-013	Total/NA	Water	PrecSep-21	
160-54750-12	24061027-016	Total/NA	Water	PrecSep-21	
160-54750-13	24061027-017	Total/NA	Water	PrecSep-21	
160-54750-14	24061027-018	Total/NA	Water	PrecSep-21	
160-54750-15	24061027-019	Total/NA	Water	PrecSep-21	
160-54750-16	24061027-021	Total/NA	Water	PrecSep-21	
MB 160-671940/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-671940/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-54750-10 DU	24061027-012	Total/NA	Water	PrecSep-21	

Prep Batch: 671941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54750-1	24061027-002	Total/NA	Water	PrecSep_0	
160-54750-2	24061027-003	Total/NA	Water	PrecSep_0	
160-54750-3	24061027-004	Total/NA	Water	PrecSep_0	
160-54750-4	24061027-006	Total/NA	Water	PrecSep_0	
160-54750-5	24061027-007	Total/NA	Water	PrecSep_0	
160-54750-6	24061027-008	Total/NA	Water	PrecSep_0	
160-54750-7	24061027-009	Total/NA	Water	PrecSep_0	
160-54750-8	24061027-010	Total/NA	Water	PrecSep_0	
160-54750-9	24061027-011	Total/NA	Water	PrecSep_0	
160-54750-10	24061027-012	Total/NA	Water	PrecSep_0	
160-54750-11	24061027-013	Total/NA	Water	PrecSep_0	
160-54750-12	24061027-016	Total/NA	Water	PrecSep_0	
160-54750-13	24061027-017	Total/NA	Water	PrecSep_0	
160-54750-14	24061027-018	Total/NA	Water	PrecSep_0	
160-54750-15	24061027-019	Total/NA	Water	PrecSep_0	
160-54750-16	24061027-021	Total/NA	Water	PrecSep_0	
MB 160-671941/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-671941/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-54750-10 DU	24061027-012	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-54750-1
SDG: 24061027

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)
160-54750-1	24061027-002	89.6
160-54750-2	24061027-003	87.6
160-54750-3	24061027-004	90.8
160-54750-4	24061027-006	90.8
160-54750-5	24061027-007	93.3
160-54750-6	24061027-008	91.3
160-54750-7	24061027-009	91.8
160-54750-8	24061027-010	86.4
160-54750-9	24061027-011	86.1
160-54750-10	24061027-012	84.1
160-54750-10 DU	24061027-012	83.4
160-54750-11	24061027-013	85.6
160-54750-12	24061027-016	85.6
160-54750-13	24061027-017	91.3
160-54750-14	24061027-018	90.1
160-54750-15	24061027-019	87.6
160-54750-16	24061027-021	86.6
LCS 160-671940/2-A	Lab Control Sample	94.5
MB 160-671940/1-A	Method Blank	97.3

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)	Y (30-110)
160-54750-1	24061027-002	89.6	79.6
160-54750-2	24061027-003	87.6	80.4
160-54750-3	24061027-004	90.8	81.1
160-54750-4	24061027-006	90.8	81.1
160-54750-5	24061027-007	93.3	82.2
160-54750-6	24061027-008	91.3	82.2
160-54750-7	24061027-009	91.8	84.1
160-54750-8	24061027-010	86.4	82.2
160-54750-9	24061027-011	86.1	82.2
160-54750-10	24061027-012	84.1	83.0
160-54750-10 DU	24061027-012	83.4	81.9
160-54750-11	24061027-013	85.6	82.2
160-54750-12	24061027-016	85.6	83.4
160-54750-13	24061027-017	91.3	85.6
160-54750-14	24061027-018	90.1	85.2
160-54750-15	24061027-019	87.6	87.1
160-54750-16	24061027-021	86.6	85.6
LCS 160-671941/2-A	Lab Control Sample	94.5	80.4
MB 160-671941/1-A	Method Blank	97.3	83.0

Tracer/Carrier Legend

Ba = Ba Carrier

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-54750-1
SDG: 24061027

Y = Y Carrier

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ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

Radium-226 and Radium-228
24061027

JOB NUMBER

160-55014-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

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Job Notes

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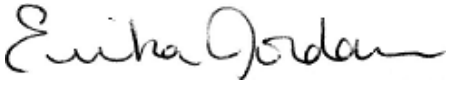
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



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Revision 1

Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

Table of Contents

CASE NARRATIVE

Client: TekLab, Inc

Project: 24061027

Report Number: 160-55014-1 Revision 1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

Revision
The report being provided is a revision of the original report sent on 9/6/2024. The report (revision 1) is being revised in order to correct a collection time that were inaccurate on the original chain-of-custody (COC). The revision request email is included with the revised report for documenation.

Receipt
The samples were received on 8/9/2024 11:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperature of the cooler at receipt time was 18.1°C.

Method 903.0 - Radium-226 (GFPC)
Samples 24061027-022 (160-55014-1), 24061027-023 (160-55014-2), 24061027-024 (160-55014-3), 24061027-025 (160-55014-4), 24061027-026 (160-55014-5), 24061027-028 (160-55014-6), 24061027-029 (160-55014-7), 24061027-030 (160-55014-8), 24061027-031 (160-55014-9), 24061027-032 (160-55014-10), 24061027-033 (160-55014-11), 24061027-034 (160-55014-12), 24061027-035 (160-55014-13) and 24061027-036 (160-55014-14) were analyzed for Radium-226 (GFPC). The samples were prepared on 8/13/2024 and analyzed on 9/4/2024.

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-55014-1

Job ID: 160-55014-1 (Continued) Eurofins St. Louis

Method 904.0 - Radium-228 (GFPC)
Samples 24061027-022 (160-55014-1), 24061027-023 (160-55014-2), 24061027-024 (160-55014-3), 24061027-025 (160-55014-4), 24061027-026 (160-55014-5), 24061027-028 (160-55014-6), 24061027-029 (160-55014-7), 24061027-030 (160-55014-8), 24061027-031 (160-55014-9), 24061027-032 (160-55014-10), 24061027-033 (160-55014-11), 24061027-034 (160-55014-12), 24061027-035 (160-55014-13) and 24061027-036 (160-55014-14) were analyzed for Radium-228 (GFPC). The samples were prepared on 8/13/2024 and analyzed on 8/22/2024.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24061027-022 (160-55014-1), 24061027-023 (160-55014-2), 24061027-024 (160-55014-3), 24061027-025 (160-55014-4), 24061027-026 (160-55014-5), 24061027-028 (160-55014-6), 24061027-029 (160-55014-7), 24061027-030 (160-55014-8), 24061027-031 (160-55014-9), 24061027-032 (160-55014-10), 24061027-033 (160-55014-11), 24061027-034 (160-55014-12), 24061027-035 (160-55014-13) and 24061027-036 (160-55014-14) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 9/6/2024.

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

Project# 24061027

Comments:
- **Please Issue reports and invoices via email only**
- Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
- Method changes require Teklab authorization. Samples collected from an IL site.
- Batch QC is required for all analyses requested. Vistra-EDD requested.

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: [redacted] 31631 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24061027-022	8/7/24 1331	HNO3	Groundwater	✔	✔	✔
	24061027-023	8/7/24 1008	HNO3	Groundwater	✔	✔	✔
	24061027-024	8/7/24 1238	HNO3	Groundwater	✔	✔	✔
	24061027-025	8/7/24 1155	HNO3	Groundwater	✔	✔	✔
	24061027-026	8/7/24 1125	HNO3	Groundwater	✔	✔	✔
	24061027-028	8/7/24 1148	HNO3	Groundwater	✔	✔	✔
	24061027-029	8/8/24 0920	HNO3	Groundwater	✔	✔	✔
	24061027-030	8/8/24 1025	HNO3	Groundwater	✔	✔	✔
	24061027-031	8/8/24 1055	HNO3	Groundwater	✔	✔	✔
	24061027-032	8/8/24 1105	HNO3	Groundwater	✔	✔	✔
	24061027-033	8/7/24 1331	HNO3	Groundwater	✔	✔	✔

160-55014 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	8.9.24 / 1630	[signature] Sierra Worthington	8.9.24 / 1630
[signature]	8.9.24 / 1110		8/9/24 1110

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

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: Teklab, Inc. QC Level: 2

Comments:
Please Issue reports and invoices via email only
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project#: 24061027

Contact: Elizabeth Hurley
Requested Due Date: Standard TAT
Email: EHurley@TekLabInc.com
Billing/PO: [redacted] 36631
Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

ERH 8/9/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24061027-034	8/7/24 1125	HNO3	Groundwater	✓	✓	✓
	24061027-035	8/8/24 ~~1130~~ 1113	HNO3	Groundwater	✓	✓	✓
	24061027-036	8/7/24 1345	HNO3	Groundwater	✓	✓	✓
			HNO3	Groundwater	✓	✓	✓
			HNO3	Groundwater	✓	✓	✓
			HNO3	Groundwater	✓	✓	✓
			HNO3	Groundwater	✓	✓	✓
			HNO3	Groundwater	✓	✓	✓
			HNO3	Groundwater	✓	✓	✓
			HNO3	Groundwater	✓	✓	✓
			HNO3	Groundwater	✓	✓	✓

*Relinquished By	Date/Time	Received By	Date/Time
[illegible]	8/9/24 / 1030	[illegible]	8/9/24 / 1030
[illegible]	8/9/24 / 1110	Sierra Worthington	8/9/24 / 1110

SubCocRevA
3/2/2016

Erika Jordan

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Tuesday, September 10, 2024 10:58 AM
To: Erika Jordan
Subject: RE: Eurofins TestAmerica invoice, EDD and report files from 160-55014-1 Radium-226 and Radium-228

Hi, Erika,

I've gotten word that there was a transcription error in the field file which resulted in an incorrect collection time on the chain of custody. May I get a revised report to update 24061027-028 collection time from 1148 to 1048?

Thanks!

Elizabeth Hurley
Director of Customer Service

Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

From: Erika Jordan <TALS@reports.et.eurofinsus.com>
Sent: Friday, September 6, 2024 2:56 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: Eurofins TestAmerica invoice, EDD and report files from 160-55014-1 Radium-226 and Radium-228

Happy Friday!

Attached please find the invoice, EDD and report files for job 160-55014-1; Radium-226 and Radium-228

The samples were received on 8/9/2024 11:10 AM.

Please feel free to contact me if you have any questions.

Thank you and have a nice weekend!

Erika Jordan
Project Manager

Eurofins St. Louis

E-mail: erika.jordan@et.eurofinsus.com
www.eurofinsus.com/env

Reference: [160-305127]
Attachments: 4

> > Bank information has changed, please refer to remittance information on invoice. < <

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-55014-1
SDG Number: 24061027

Login Number: 55014
List Number: 1
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55014-1
SDG: 24061027

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55014-1
SDG: 24061027

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55014-1
SDG: 24061027

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-55014-1	24061027-022	Water	08/07/24 13:31	08/09/24 11:10
160-55014-2	24061027-023	Water	08/07/24 10:08	08/09/24 11:10
160-55014-3	24061027-024	Water	08/07/24 12:38	08/09/24 11:10
160-55014-4	24061027-025	Water	08/07/24 11:55	08/09/24 11:10
160-55014-5	24061027-026	Water	08/07/24 11:25	08/09/24 11:10
160-55014-6	24061027-028	Water	08/07/24 10:48	08/09/24 11:10
160-55014-7	24061027-029	Water	08/08/24 09:20	08/09/24 11:10
160-55014-8	24061027-030	Water	08/08/24 10:25	08/09/24 11:10
160-55014-9	24061027-031	Water	08/08/24 10:55	08/09/24 11:10
160-55014-10	24061027-032	Water	08/08/24 11:05	08/09/24 11:10
160-55014-11	24061027-033	Water	08/07/24 13:31	08/09/24 11:10
160-55014-12	24061027-034	Water	08/07/24 11:25	08/09/24 11:10
160-55014-13	24061027-035	Water	08/08/24 11:13	08/09/24 11:10
160-55014-14	24061027-036	Water	08/07/24 13:45	08/09/24 11:10

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55014-1
SDG: 24061027

Client Sample ID: 24061027-022
Date Collected: 08/07/24 13:31
Date Received: 08/09/24 11:10

Lab Sample ID: 160-55014-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.169**		0.0776	0.0791	1.00	0.0814	pCi/L	08/13/24 06:32	09/04/24 08:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.7*		*30 - 110*	*08/13/24 06:32*	*09/04/24 08:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.241	U	0.323	0.324	1.00	0.542	pCi/L	08/13/24 06:35	08/22/24 12:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.7*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:01*	*1*
Y Carrier	*77.0*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:01*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.410	U	0.332	0.334	5.00	0.542	pCi/L		09/06/24 14:13	1

Client Sample ID: 24061027-023
Date Collected: 08/07/24 10:08
Date Received: 08/09/24 11:10

Lab Sample ID: 160-55014-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.129**		0.0698	0.0708	1.00	0.0838	pCi/L	08/13/24 06:32	09/04/24 08:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*08/13/24 06:32*	*09/04/24 08:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.342	U	0.334	0.335	1.00	0.536	pCi/L	08/13/24 06:35	08/22/24 12:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:01*	*1*
Y Carrier	*81.1*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:01*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.471	U	0.341	0.342	5.00	0.536	pCi/L		09/06/24 14:13	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55014-1
SDG: 24061027

Client Sample ID: 24061027-024
Date Collected: 08/07/24 12:38
Date Received: 08/09/24 11:10

Lab Sample ID: 160-55014-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.251		0.107	0.110	1.00	0.127	pCi/L	08/13/24 06:32	09/04/24 08:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*08/13/24 06:32*	*09/04/24 08:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.435	U	0.321	0.323	1.00	0.482	pCi/L	08/13/24 06:35	08/22/24 12:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:01*	*1*
Y Carrier	*86.7*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:01*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.686		0.338	0.341	5.00	0.482	pCi/L		09/06/24 14:13	1

Client Sample ID: 24061027-025
Date Collected: 08/07/24 11:55
Date Received: 08/09/24 11:10

Lab Sample ID: 160-55014-4
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.758		0.188	0.200	1.00	0.172	pCi/L	08/13/24 06:32	09/04/24 08:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*08/13/24 06:32*	*09/04/24 08:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.662	U	0.449	0.454	1.00	0.670	pCi/L	08/13/24 06:35	08/22/24 12:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:01*	*1*
Y Carrier	*82.6*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:01*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.42		0.487	0.496	5.00	0.670	pCi/L		09/06/24 14:13	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55014-1
SDG: 24061027

Client Sample ID: 24061027-026

Date Collected: 08/07/24 11:25
Date Received: 08/09/24 11:10

Lab Sample ID: 160-55014-5

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.156**		0.0926	0.0936	1.00	0.127	pCi/L	08/13/24 06:32	09/04/24 08:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.6*		*30 - 110*	*08/13/24 06:32*	*09/04/24 08:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.200	U	0.310	0.311	1.00	0.528	pCi/L	08/13/24 06:35	08/22/24 12:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.6*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:02*	*1*
Y Carrier	*75.9*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:02*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.356	U	0.324	0.325	5.00	0.528	pCi/L		09/06/24 14:13	1

Client Sample ID: 24061027-028

Date Collected: 08/07/24 10:48
Date Received: 08/09/24 11:10

Lab Sample ID: 160-55014-6

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.139**		0.0770	0.0780	1.00	0.0940	pCi/L	08/13/24 06:32	09/04/24 15:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*08/13/24 06:32*	*09/04/24 15:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.622**		0.400	0.404	1.00	0.591	pCi/L	08/13/24 06:35	08/22/24 12:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:02*	*1*
Y Carrier	*78.1*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:02*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.761**		0.407	0.411	5.00	0.591	pCi/L		09/06/24 14:13	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55014-1
SDG: 24061027

Client Sample ID: 24061027-029
Date Collected: 08/08/24 09:20
Date Received: 08/09/24 11:10

Lab Sample ID: 160-55014-7
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.164		0.0819	0.0832	1.00	0.0962	pCi/L	08/13/24 06:32	09/04/24 15:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.7*		*30 - 110*	*08/13/24 06:32*	*09/04/24 15:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.22		0.489	0.502	1.00	0.648	pCi/L	08/13/24 06:35	08/22/24 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.7*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:03*	*1*
Y Carrier	*79.3*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:03*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.39		0.496	0.509	5.00	0.648	pCi/L		09/06/24 14:13	1

Client Sample ID: 24061027-030
Date Collected: 08/08/24 10:25
Date Received: 08/09/24 11:10

Lab Sample ID: 160-55014-8
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.153		0.0914	0.0924	1.00	0.127	pCi/L	08/13/24 06:32	09/04/24 15:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*08/13/24 06:32*	*09/04/24 15:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.984		0.409	0.418	1.00	0.533	pCi/L	08/13/24 06:35	08/22/24 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:03*	*1*
Y Carrier	*81.5*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:03*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.14		0.419	0.428	5.00	0.533	pCi/L		09/06/24 14:13	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55014-1
SDG: 24061027

Client Sample ID: 24061027-031
Date Collected: 08/08/24 10:55
Date Received: 08/09/24 11:10

Lab Sample ID: 160-55014-9
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.380		0.114	0.119	1.00	0.105	pCi/L	08/13/24 06:32	09/04/24 15:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*30 - 110*	*08/13/24 06:32*	*09/04/24 15:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.39		0.435	0.453	1.00	0.484	pCi/L	08/13/24 06:35	08/22/24 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:03*	*1*
Y Carrier	*81.1*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:03*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.77		0.450	0.468	5.00	0.484	pCi/L		09/06/24 14:13	1

Client Sample ID: 24061027-032
Date Collected: 08/08/24 11:05
Date Received: 08/09/24 11:10

Lab Sample ID: 160-55014-10
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0214	U	0.0475	0.0475	1.00	0.0878	pCi/L	08/13/24 06:32	09/04/24 15:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*08/13/24 06:32*	*09/04/24 15:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.537	U	0.388	0.391	1.00	0.592	pCi/L	08/13/24 06:35	08/22/24 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:03*	*1*
Y Carrier	*81.9*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:03*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.558	U	0.391	0.394	5.00	0.592	pCi/L		09/06/24 14:13	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55014-1
SDG: 24061027

Client Sample ID: 24061027-033
Date Collected: 08/07/24 13:31
Date Received: 08/09/24 11:10

Lab Sample ID: 160-55014-11
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0608	U	0.0613	0.0616	1.00	0.0961	pCi/L	08/13/24 06:32	09/04/24 15:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*08/13/24 06:32*	*09/04/24 15:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.885**		0.362	0.371	1.00	0.459	pCi/L	08/13/24 06:35	08/22/24 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:03*	*1*
Y Carrier	*86.7*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:03*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.946**		0.367	0.376	5.00	0.459	pCi/L		09/06/24 14:13	1

Client Sample ID: 24061027-034
Date Collected: 08/07/24 11:25
Date Received: 08/09/24 11:10

Lab Sample ID: 160-55014-12
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0763	U	0.0600	0.0604	1.00	0.0855	pCi/L	08/13/24 06:32	09/04/24 15:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.6*		*30 - 110*	*08/13/24 06:32*	*09/04/24 15:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.449	U	0.340	0.343	1.00	0.522	pCi/L	08/13/24 06:35	08/22/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.6*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*
Y Carrier	*80.7*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.525**		0.345	0.348	5.00	0.522	pCi/L		09/06/24 14:13	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55014-1
SDG: 24061027

Client Sample ID: 24061027-035
Date Collected: 08/08/24 11:13
Date Received: 08/09/24 11:10

Lab Sample ID: 160-55014-13
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00652	U	0.0455	0.0455	1.00	0.103	pCi/L	08/13/24 06:32	09/04/24 15:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.5*		*30 - 110*	*08/13/24 06:32*	*09/04/24 15:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.247	U	0.356	0.357	1.00	0.601	pCi/L	08/13/24 06:35	08/22/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.5*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*
Y Carrier	*82.2*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.247	U	0.359	0.360	5.00	0.601	pCi/L		09/06/24 14:13	1

Client Sample ID: 24061027-036
Date Collected: 08/07/24 13:45
Date Received: 08/09/24 11:10

Lab Sample ID: 160-55014-14
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0167	U	0.0477	0.0477	1.00	0.0913	pCi/L	08/13/24 06:32	09/04/24 15:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*08/13/24 06:32*	*09/04/24 15:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.604**		0.369	0.373	1.00	0.530	pCi/L	08/13/24 06:35	08/22/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*
Y Carrier	*78.1*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.620**		0.372	0.376	5.00	0.530	pCi/L		09/06/24 14:13	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55014-1
SDG: 24061027

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-674779/1-A
Matrix: Water
Analysis Batch: 677983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674779

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05196	U	0.0539	0.0541	1.00	0.0843	pCi/L	08/13/24 06:32	09/04/24 08:13	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*08/13/24 06:32*	*09/04/24 08:13*	*1*

Lab Sample ID: LCS 160-674779/2-A
Matrix: Water
Analysis Batch: 677983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674779

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.736		0.940	1.00	0.130	pCi/L	91	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*91.9*		*30 - 110*

Lab Sample ID: 160-55014-1 DU
Matrix: Water
Analysis Batch: 677983

Client Sample ID: 24061027-022
Prep Type: Total/NA
Prep Batch: 674779

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.169			0.06083	U	0.0677	1.00	0.108	pCi/L			0.74	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*94.1*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-674780/1-A
Matrix: Water
Analysis Batch: 676153

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674780

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2102	U	0.277	0.277	1.00	0.462	pCi/L	08/13/24 06:35	08/22/24 12:01	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:01*	*1*
Y Carrier	*85.6*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:01*	*1*

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55014-1
SDG: 24061027

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-674780/2-A
Matrix: Water
Analysis Batch: 676153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674780

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.58	10.17		1.34	1.00	0.475	pCi/L	119	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*91.9*		*30 - 110*
Y Carrier	*85.2*		*30 - 110*

Lab Sample ID: 160-55014-1 DU
Matrix: Water
Analysis Batch: 676153

Client Sample ID: 24061027-022
Prep Type: Total/NA
Prep Batch: 674780

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.241	U		0.07044	U	0.302	1.00	0.545	pCi/L			0.27	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*94.1*		*30 - 110*
Y Carrier	*80.0*		*30 - 110*

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55014-1
SDG: 24061027

Rad

Prep Batch: 674779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55014-1	24061027-022	Total/NA	Water	PrecSep-21	
160-55014-2	24061027-023	Total/NA	Water	PrecSep-21	
160-55014-3	24061027-024	Total/NA	Water	PrecSep-21	
160-55014-4	24061027-025	Total/NA	Water	PrecSep-21	
160-55014-5	24061027-026	Total/NA	Water	PrecSep-21	
160-55014-6	24061027-028	Total/NA	Water	PrecSep-21	
160-55014-7	24061027-029	Total/NA	Water	PrecSep-21	
160-55014-8	24061027-030	Total/NA	Water	PrecSep-21	
160-55014-9	24061027-031	Total/NA	Water	PrecSep-21	
160-55014-10	24061027-032	Total/NA	Water	PrecSep-21	
160-55014-11	24061027-033	Total/NA	Water	PrecSep-21	
160-55014-12	24061027-034	Total/NA	Water	PrecSep-21	
160-55014-13	24061027-035	Total/NA	Water	PrecSep-21	
160-55014-14	24061027-036	Total/NA	Water	PrecSep-21	
MB 160-674779/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674779/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-55014-1 DU	24061027-022	Total/NA	Water	PrecSep-21	

Prep Batch: 674780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55014-1	24061027-022	Total/NA	Water	PrecSep_0	
160-55014-2	24061027-023	Total/NA	Water	PrecSep_0	
160-55014-3	24061027-024	Total/NA	Water	PrecSep_0	
160-55014-4	24061027-025	Total/NA	Water	PrecSep_0	
160-55014-5	24061027-026	Total/NA	Water	PrecSep_0	
160-55014-6	24061027-028	Total/NA	Water	PrecSep_0	
160-55014-7	24061027-029	Total/NA	Water	PrecSep_0	
160-55014-8	24061027-030	Total/NA	Water	PrecSep_0	
160-55014-9	24061027-031	Total/NA	Water	PrecSep_0	
160-55014-10	24061027-032	Total/NA	Water	PrecSep_0	
160-55014-11	24061027-033	Total/NA	Water	PrecSep_0	
160-55014-12	24061027-034	Total/NA	Water	PrecSep_0	
160-55014-13	24061027-035	Total/NA	Water	PrecSep_0	
160-55014-14	24061027-036	Total/NA	Water	PrecSep_0	
MB 160-674780/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674780/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-55014-1 DU	24061027-022	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55014-1
SDG: 24061027

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (30-110)						
160-55014-1	24061027-022	88.7						
160-55014-1 DU	24061027-022	94.1						
160-55014-2	24061027-023	98.5						
160-55014-3	24061027-024	85.3						
160-55014-4	24061027-025	92.4						
160-55014-5	24061027-026	95.6						
160-55014-6	24061027-028	85.3						
160-55014-7	24061027-029	88.7						
160-55014-8	24061027-030	92.9						
160-55014-9	24061027-031	92.1						
160-55014-10	24061027-032	92.4						
160-55014-11	24061027-033	93.9						
160-55014-12	24061027-034	95.6						
160-55014-13	24061027-035	73.5						
160-55014-14	24061027-036	89.7						
LCS 160-674779/2-A	Lab Control Sample	91.9						
MB 160-674779/1-A	Method Blank	98.5						

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)					
160-55014-1	24061027-022	88.7	77.0					
160-55014-1 DU	24061027-022	94.1	80.0					
160-55014-2	24061027-023	98.5	81.1					
160-55014-3	24061027-024	85.3	86.7					
160-55014-4	24061027-025	92.4	82.6					
160-55014-5	24061027-026	95.6	75.9					
160-55014-6	24061027-028	85.3	78.1					
160-55014-7	24061027-029	88.7	79.3					
160-55014-8	24061027-030	92.9	81.5					
160-55014-9	24061027-031	92.1	81.1					
160-55014-10	24061027-032	92.4	81.9					
160-55014-11	24061027-033	93.9	86.7					
160-55014-12	24061027-034	95.6	80.7					
160-55014-13	24061027-035	73.5	82.2					
160-55014-14	24061027-036	89.7	78.1					
LCS 160-674780/2-A	Lab Control Sample	91.9	85.2					
MB 160-674780/1-A	Method Blank	98.5	85.6					

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Newton- 3Q 2024

			Weather				Well Condition				
WO Sample	Well ID	**Program/ Sample Type**	**Temp (°F)**	**Precipitation**	**Wind Direction**	**Sky**	**Well Pad**	**Casing**	**Protective Cover**	**Reference Mark/ ID**	**Well Locked**
001	A213	Groundwater Sample	71.0	None	NW	Partly cloudy	Good	Good	Good	Yes	Yes
002	A214	Groundwater Sample	72.0	None	N	Clear	Good	Good	Good	Yes	Yes
003	A215	Groundwater Sample	72.0	None	N	Clear	Good	Good	Good	Yes	Yes
005	APW03	Groundwater Sample	85.0	None	N	Clear	Good	Good	Good	Yes	Yes
006	APW04	Groundwater Sample	84.0	None	N	Clear	Good	Good	Good	Yes	Yes
007	APW05	Groundwater Sample	76.0	None	NW	Clear	Good	Good	Good	Yes	Yes
009	APW06	Groundwater Sample	82.0	None	N	Clear	Good	Good	Good	Yes	Yes
010	APW07	Groundwater Sample	83.0	None	N	Clear	Good	Good	Good	Yes	Yes
011	APW08	Groundwater Sample	72.0	Heavy	SW	Cloudy	Good	Good	Good	Yes	Yes
012	APW09	Groundwater Sample	86.0	None	N	Clear	Good	Good	Good	Yes	Yes
013	APW10	Groundwater Sample	85.0	None	NW	Clear	Good	Good	Good	Yes	Yes
014	APW11	Groundwater Sample	76.0	None	NW	Clear	Good	Good	Good	Yes	Yes
015	APW12	Groundwater Sample	78.0	None	NW	Clear	Good	Good	Good	Yes	Yes
016	APW13	Groundwater Sample	88.0	None	NW	Clear	Good	Good	Good	Yes	Yes
019	APW16	Groundwater Sample	70.0	None	E	Clear	Good	Good	Good	Yes	Yes
020	APW17	Groundwater Sample	72.0	Heavy	SW	Cloudy	Good	Good	Good	Yes	Yes
021	APW18	Groundwater Sample	72.0	Light	SW	Cloudy	Good	Good	Good	Yes	Yes
022	G06D	Groundwater Sample	73.0	None	SW	Clear	Good	Good	Good	Yes	Yes
023	G104	Groundwater Sample	81.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
024	G104D	DTW Only	85.0	None	SW	Clear	Good	Good	Good	Yes	Yes
025	G104S	DTW Only	85.0	None	SW	Clear	Good	Good	Good	Yes	Yes
026	G105	Groundwater Sample	72.0	Light	SW	Cloudy	Good	Good	Good	Yes	Yes
027	G106	Groundwater Sample	71.0	Heavy	S	Cloudy	Good	Good	Good	Yes	Yes
028	G109	DTW Only	85.0	None	SW	Clear	Good	Good	Good	Yes	Yes
029	G111	DTW Only	85.0	None	SW	Clear	Good	Good	Good	Yes	Yes
030	G112	DTW Only	85.0	None	SW	Clear	Good	Good	Good	Yes	Yes
031	G113	DTW Only	85.0	None	SW	Clear	Good	Good	Good	Yes	Yes
032	G114	DTW Only	85.0	None	SW	Clear	Good	Good	Good	Yes	Yes
033	G115	DTW Only	85.0	None	SW	Clear	Good	Good	Good	Yes	Yes
034	G116	Groundwater Sample	74.0	None	NE	Clear	Good	Good	Good	Yes	Yes
035	G117	DTW Only	85.0	None	SW	Clear	Good	Good	Good	Yes	Yes
036	G118	DTW Only	85.0	None	SW	Clear	Good	Good	Good	Yes	Yes
037	G119	DTW Only	85.0	None	SW	Clear	Good	Good	Good	Yes	Yes
038	G120	DTW Only	85.0	None	SW	Clear	Good	Good	Good	Yes	Yes
039	G125	Groundwater Sample	71.0	None	E	Clear	Good	Good	Good	Yes	Yes
040	G128	Groundwater Sample	79.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Newton- 3Q 2024

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
041	G130	Groundwater Sample	77.0	None	NE	Clear	Good	Good	Good	Yes	Yes
042	G133	Groundwater Sample	75.0	None	E	Clear	Good	Good	Good	Yes	Yes
043	G136	Groundwater Sample	79.0	None	SE	Clear	Good	Good	Good	Yes	Yes
044	G139	Groundwater Sample	80.0	None	SE	Clear	Good	Good	Good	Yes	Yes
045	G141	Groundwater Sample	72.0	None	NE	Cloudy	Good	Good	Good	Yes	Yes
046	G201	Groundwater Sample	78.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
047	G202	Groundwater Sample	74.0	Light	SW	Cloudy	Good	Other (see note)	Good	Yes	Yes
048	G203	Groundwater Sample	75.0	Light	SW	Cloudy	Good	Good	Good	Yes	Yes
049	G208	Groundwater Sample					Good	Other (see note)	Good	Yes	Yes
050	G217S	Groundwater Sample	81.0	None	N	Clear	Good	Good	Good	Yes	Yes
051	G218	DTW Only	86.0	None	SW	Clear	Good	Good	Good	Yes	Yes
052	G220	Groundwater Sample	74.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
053	G221	Groundwater Sample	82.0	None	N	Clear	Good	Good	Good	Yes	Yes
055	G223	Groundwater Sample	74.0	None	SW	Clear	Good	Good	Good	Yes	Yes
057	G225	Groundwater Sample	69.0	Light	N	Cloudy	Good	Good	Good	Yes	Yes
058	G230	Groundwater Sample	84.0	None	N	Clear	Good	Good	Good	Yes	Yes
059	G231	Groundwater Sample	74.0	None	SW	Clear	Good	Good	Good	Yes	Yes
060	G232	Groundwater Sample	74.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
061	G233	Groundwater Sample	72.0	Light	SW	Cloudy	Good	Good	Good	Yes	Yes
062	G234	Groundwater Sample	88.0	None	NW	Clear	Good	Good	Good	Yes	Yes
063	G48MG	Groundwater Sample	72.0	None	E	Clear	Good	Good	Good	Yes	Yes
064	L1R	Groundwater Sample	78.0	None	N	Clear	Good	Good	Good	Yes	No
065	L201	DTW Only	88.0	None	S	Clear					
066	L202	DTW Only	88.0	None	S	Clear					
067	L203	DTW Only	88.0	None	S	Clear					
068	L204	DTW Only	88.0	None	S	Clear					
069	L205	DTW Only	88.0	None	S	Clear					
070	L301	Leachate Sample	77.0	None	NE	Clear				Yes	No
071	R217D	Groundwater Sample	75.0	None	NW	Partly cloudy	Good	Good	Other (see note)	Yes	No
072	R219	Groundwater Sample	81.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
073	SG02	DTW Only	86.0	None	SW	Clear					
074	XPW01	Groundwater Sample	83.0	None	S	Clear	Good	Good	Good	Yes	Yes
075	XPW02	Groundwater Sample	75.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
076	XPW03	Groundwater Sample	76.0	None	S	Clear	Good	Good	Other (see note)	Yes	No
077	XPW04	Groundwater Sample	76.0	None	S	Clear	Good	Good	Good	Yes	Yes
078	XSG01	DTW Only	88.0	None	S	Clear					

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Newton- 3Q 2024

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
079	Field Blank	QA/QC Sample									
080	A213 Duplicate	QA/QC Sample	71.0	None	NW	Partly cloudy	Good	Good	Good	Yes	Yes
082	G104 Duplicate	QA/QC Sample	81.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
083	Equipment Blank 1	QA/QC Sample									
084	Equipment Blank 2	QA/QC Sample									
085	Equipment Blank 3	QA/QC Sample									
086	LREP	Leachate Sample									
087	R217D	Groundwater Sample	75.0	None	NW	Partly cloudy	Good	Good	Good	Yes	No
088	G230	Groundwater Sample	89.0	None	N	Clear	Good	Good	Good	Yes	Yes
089	G221	Groundwater Sample	88.0	None	N	Clear	Good	Good	Good	Yes	Yes
090	APW02	Groundwater Sample	75.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
091	APW05S	Groundwater Sample	70.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
092	APW14	Groundwater Sample	74.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
093	APW15	Groundwater Sample	74.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
094	APW19S	Groundwater Sample	71.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
095	APW20S	Groundwater Sample	73.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
096	APW21S	Groundwater Sample	70.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
097	APW22S	Groundwater Sample	70.0	None	S	Clear	Good	Good	Good	Yes	Yes
098	APW23S	Groundwater Sample	73.0	None	S	Clear	Good	Good	Good	Yes	Yes
099	APW23	Groundwater Sample	74.0	None	S	Clear	Good	Good	Good	Yes	Yes
100	G222	Groundwater Sample	71.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
101	G224	Groundwater Sample	71.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
102	Field Blank 2	QA/QC Sample									
103	APW02 Duplicate	QA/QC Sample	75.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
104	APW19S Duplicate	QA/QC Sample	71.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
105	Equipment Blank 2	QA/QC Sample									
106	Equipment Blank 3	QA/QC Sample									

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Newton- 3Q 2024

		GW Level Measurement				Purge Activities							
WO Sample	Well ID	**Sampler Initials**	**Date/Time**	**DTW (ft)**	**DTB (ft)**	**Sampler Initials**	**Purge Date**	**Purge Start Time**	**Purge End Time**	**Purging/Sampling Device**	**Well Diameter (in)**	**Actual Volume Purged (L)**	**Purge Rate (mL/min)**
001	A213	JC	7/2/24 9:12	19.20	61.00	JC	7/2/2024	09:15	09:43	Bladder Pump	2"	3.0	107.1
002	A214	BG	7/2/24 9:46	41.24	75.50	BG	7/2/2024	09:46	10:29	Submersible Pump	2"	8.0	186.0
003	A215	BG	7/2/24 10:46	44.36	78.10	BG	7/2/2024	10:46	11:17	Submersible Pump	2"	7.5	241.9
005	APW03	BG	7/8/24 11:39	7.75	24.00	BG	7/8/2024	11:39	12:11	Submersible Pump	2"	9.0	281.3
006	APW04	BG	7/8/24 10:51	5.14	21.60	BG	7/8/2024	10:55	11:25	Submersible Pump	2"	11.0	366.7
007	APW05	TAC	7/2/24 9:55	14.26	70.80	TAC	7/2/2024	09:55	10:13	Bladder Pump	2"	5.0	277.8
009	APW06	BG	7/2/24 11:43	19.36	76.10	BG	7/2/2024	11:43	12:26	Submersible Pump	2"	9.0	209.3
010	APW07	BG	7/2/24 12:48	47.11	85.80	BG	7/2/2024	12:48	13:27	Submersible Pump	2"	11.0	282.1
011	APW08	JC	7/9/24 12:55	37.85	84.20	JC	7/9/2024	12:56	13:15	Bladder Pump	2"	4.0	210.5
012	APW09	BG	7/2/24 13:48	27.29	65.00	BG	7/2/2024	13:48	14:19	Submersible Pump	2"	11.0	354.8
013	APW10	TAC	7/2/24 12:43	18.56	48.70	TAC	7/2/2024	12:44	13:04	Bladder Pump	2"	5.5	275.0
014	APW11	TAC	7/2/24 10:39	25.00	67.60	TAC	7/2/2024	10:39	11:03	Bladder Pump	2"	5.5	229.2
015	APW12	TAC	7/2/24 11:36	16.00	33.00	TAC	7/2/2024	11:36	11:57	Bladder Pump	2"	7.0	333.3
016	APW13	TAC	7/2/24 13:39	32.97	66.30	TAC	7/2/2024	13:39	14:11	Bladder Pump	2"	9.0	281.3
019	APW16	JC	7/10/24 8:41	40.31	87.50	JC	7/10/2024	08:43	09:03	Bladder Pump	2"	4.0	200.0
020	APW17	JC	7/9/24 12:00	41.50	94.70	JC	7/9/2024	12:03	12:38	Bladder Pump	2"	5.5	157.1
021	APW18	JC	7/9/24 10:13	52.02	82.70	JC	7/9/2024	10:14	11:02	Bladder Pump	2"	9.0	187.5
022	G06D	TAC	7/10/24 9:13	28.83	96.60	TAC	7/10/2024	09:26	10:04	Bladder Pump	2"	4.0	105.3
023	G104	JC	7/8/24 11:01	7.82	42.96	JC	7/8/2024	10:55	11:46	Bladder Pump	2"	5.0	98.0
024	G104D	JC	7/1/24 10:50	8.74	88.80								
025	G104S	JC	7/1/24 10:55	8.64	25.20								
026	G105	BG	7/9/24 10:02	10.68	25.80	BG	7/9/2024	10:02	10:22	Peristaltic Pump	2"	4.5	225.0
027	G106	JC	7/9/24 8:53	24.32	35.70	JC	7/9/2024	09:04	09:50	Bladder Pump	2"	6.0	130.4
028	G109	JC	7/1/24 14:35	9.88	24.10								
029	G111	JC	7/1/24 14:22	9.56	21.90								
030	G112	JC	7/1/24 14:13	9.53	23.60								
031	G113	JC	7/1/24 13:34	22.51	34.20								
032	G114	JC	7/1/24 14:51	18.29	44.68								
033	G115	JC	7/1/24 11:50	8.18	19.60								
034	G116	BG	7/11/24 8:58	5.89	21.80	BG	7/11/2024	08:59	09:24	Peristaltic Pump	2"	3.5	140.0
035	G117	JC	7/1/24 15:03	14.64	21.80								
036	G118	TAC	7/1/24 12:00	14.02	22.70								
037	G119	TAC	7/1/24 14:41	9.85	22.80								
038	G120	JC	7/1/24 14:27	10.79	23.70								
039	G125	BG	7/10/24 9:10	3.02	22.80	BG	7/10/2024	09:10	09:40	Peristaltic Pump	2"	6.0	200.0
040	G128	JC	7/10/24 12:21	2.03	30.20	JC	7/10/2024	12:24	12:36	Peristaltic Pump	2"	2.0	166.7

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Newton- 3Q 2024

		GW Level Measurement				Purge Activities							
WO Sample	Well ID	**Sampler Initials**	**Date/Time**	**DTW (ft)**	**DTB (ft)**	**Sampler Initials**	**Purge Date**	**Purge Start Time**	**Purge End Time**	**Purging/Sampling Device**	**Well Diameter (in)**	**Actual Volume Purged (L)**	**Purge Rate (mL/min)**
041	G130	BG	7/10/24 11:10	6.25	21.90	BG	7/10/2024	11:10	11:26	Peristaltic Pump	2"	5.0	312.5
042	G133	BG	7/10/24 10:10	12.33	27.90	BG	7/10/2024	10:20	10:52	Submersible Pump	2"	4.0	125.0
043	G136	BG	7/10/24 11:45	7.45	22.30	BG	7/10/2024	11:45	12:06	Peristaltic Pump	2"	5.0	238.1
044	G139	BG	7/10/24 12:17	7.25	22.90	BG	7/10/2024	12:17	12:37	Peristaltic Pump	2"	6.0	300.0
045	G141	BG	7/9/24 10:41	15.49	25.32	BG	7/9/2024	10:41	11:18	Peristaltic Pump	2"	6.0	162.2
046	G201	JC	7/10/24 11:38	17.18	69.50	JC	7/10/2024	11:41	11:55	Bladder Pump	2"	2.0	142.9
047	G202	TAC	7/9/24 12:12	47.98	76.80	TAC	7/9/2024	12:12	12:56	Bladder Pump	2"	8.0	181.8
048	G203	TAC	7/9/24 13:10	41.48	74.90	TAC	7/9/2024	13:10	13:31	Bladder Pump	2"	8.0	381.0
049	G208	-	-	-	96.60								
050	G217S	BG	7/10/24 13:19	7.37	21.40	BG	7/10/2024	13:19	13:40	Peristaltic Pump	2"	4.0	190.5
051	G218	BG	7/1/24 12:45	19.14	90.60								
052	G220	TAC	7/10/24 10:34	17.00	88.40	TAC	7/10/2024	10:34	10:59	Bladder Pump	2"	2.0	80.0
053	G221	JC	7/2/24 12:00	23.48	86.90	JC	7/2/2024	12:05	12:48	Bladder Pump	2"	4.0	93.0
055	G223	TAC	7/10/24 11:38	32.84	91.00	TAC	7/10/2024	11:38	11:58	Bladder Pump	2"	4.0	200.0
057	G225	bg	7/9/24 8:55	9.99	24.70	BG	7/9/2024	08:55	09:28	Peristaltic Pump	2"	4.0	121.2
058	G230	JC	7/2/24 13:12	48.31	81.03	JC	7/2/2024	13:13	13:41	Bladder Pump	2"	4.0	142.9
059	G231	JC	7/10/24 10:46	47.55	79.76	JC	7/10/2024	10:49	11:19	Bladder Pump	2"	5.5	183.3
060	G232	TAC	7/9/24 10:56	45.92	77.66	TAC	7/9/2024	10:56	11:27	Bladder Pump	2"	9.0	290.3
061	G233	TAC	7/9/24 9:11	42.86	76.24	TAC	7/9/2024	09:12	09:41	Bladder Pump	2"	4.5	155.2
062	G234	TAC	7/8/24 11:11	43.44	73.81	TAC	7/8/2024	11:11	12:01	Bladder Pump	2"	14.5	290.0
063	G48MG	JC	7/11/24 8:30	18.94	79.90	JC	7/11/2024	08:37	08:52	Submersible Pump	2"	6.0	400.0
064	L1R	BG	7/11/24 10:16	53.69	60.11	BG	7/10/2024	10:17	10:20	Direct Grab	2"		
065	L201	TAC	7/1/24 12:47	36.62	-								
066	L202	TAC	7/1/24 12:56	39.64	-								
067	L203	TAC	7/1/24 14:00	31.95	-								
068	L204	TAC	7/1/24 14:12	48.73	-								
069	L205	TAC	7/1/24 14:05	32.73	-								
070	L301	BG	-	-	-	BG	7/11/2024	09:55	10:02	Bladder Pump		1.5	214.3
071	R217D	JC	7/2/24 10:46	19.25	67.80	JC	7/2/2024	10:47	11:34	Bladder Pump	2"	5.0	106.4
072	R219	JC	7/10/24 13:07	20.65	64.27	JC	7/10/2024	13:11	13:41	Submersible Pump	2"	7.0	233.3
073	SG02	BG	7/1/24 14:33	2.91	-								
074	XPW01	TAC	7/10/24 13:14	10.66	20.10	TAC	7/10/2024	13:14	13:44	Bladder Pump	2"	7.0	233.3
075	XPW02	JC	7/11/24 9:13	7.62	18.50	JC	7/11/2024	09:13	09:25	Bladder Pump	2"	3.0	250.0
076	XPW03	TAC	7/11/24 9:46	9.74	22.80	TAC	7/11/2024	09:46	10:04	Bladder Pump	2"	4.0	222.2
077	XPW04	TAC	7/11/24 8:46	12.01	22.60	TAC	7/11/2024	08:47	09:22	Bladder Pump	2"	8.0	228.6
078	XSG01	BG	7/1/24 12:21	6.73									

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Newton- 3Q 2024

		GW Level Measurement				Purge Activities							
WO Sample	Well ID	**Sampler Initials**	**Date/Time**	**DTW (ft)**	**DTB (ft)**	**Sampler Initials**	**Purge Date**	**Purge Start Time**	**Purge End Time**	**Purging/Sampling Device**	**Well Diameter (in)**	**Actual Volume Purged (L)**	**Purge Rate (mL/min)**
079	Field Blank												
080	A213 Duplicate	JC	7/2/24 9:12	19.20	61.00	JC	7/2/2024	09:15	09:43	Bladder Pump	2"	3.0	107.1
082	G104 Duplicate	JC	7/8/24 11:01	7.82	42.96	JC	7/8/2024	10:55	11:46	Bladder Pump	2"	5.0	98.0
083	Equipment Blank 1									Direct Grab			
084	Equipment Blank 2												
085	Equipment Blank 3												
086	LREP												
087	R217D	JC	7/10/24 9:21	20.63	67.80	JC	7/10/2024	09:23	09:32	Bladder Pump	2"	3.5	388.9
088	G230	JC	7/10/24 9:45	49.12	81.03	JC	7/10/2024	09:49	10:02	Bladder Pump	2"	2.5	192.3
089	G221	JC	7/10/24 10:03	26.88	86.90	JC	7/10/2024	10:05	10:25	Bladder Pump	2"	3.0	150.0
090	APW02	JC	8/7/24 13:00	5.14	23.70	JC	8/7/2024	13:01	13:31	Peristaltic Pump	2"	6.0	200.0
091	APW05S	BG	8/7/24 9:39	10.55	22.90	BG	8/7/2024	09:39	10:08	Peristaltic Pump	2"	3.5	120.7
092	APW14	JC	8/7/24 12:14	20.95	57.40	JC	8/7/2024	12:15	12:38	Bladder Pump	2"	4.0	173.9
093	APW15	JC	8/7/24 11:37	21.21	105.60	JC	8/7/2024	11:37	11:55	Bladder Pump	2"	3.5	194.4
094	APW19S	BG	8/7/24 11:04	5.99	20.34	BG	8/7/2024	11:04	11:25	Peristaltic Pump	2"	4.0	190.5
095	APW20S	BG	8/7/24 11:45	20.59	27.40	BG	8/7/2024	11:45	12:29	Peristaltic Pump	2"	4.5	102.3
096	APW21S	BG	8/7/24 10:20	11.51	22.70	BG	8/7/2024	10:20	10:48	Peristaltic Pump	2"	5.0	178.6
097	APW22S	JC	8/8/24 8:48	8.92	26.25	JC	8/8/2024	08:49	09:20	Peristaltic Pump	2"	5.5	177.4
098	APW23S	JC	8/8/24 9:37	7.71	22.40	JC	8/8/2024	09:39	10:25	Peristaltic Pump	2"	8.5	184.8
099	APW23	JC	8/8/24 10:28	14.40	46.02	JC	8/8/2024	10:35	10:55	Peristaltic Pump	2"	4.0	200.0
100	G222	JC	8/7/24 11:00	16.30	81.30	JC	8/7/2024	11:02	11:18	Bladder Pump	2"	3.0	187.5
101	G224	JC	8/7/24 10:22	42.55	75.50	JC	8/7/2024	10:24	10:51	Bladder Pump	2"	5.0	185.2
102	Field Blank 2				-					Direct Grab			
103	APW02 Duplicate	JC	8/7/24 13:00	5.14	23.70	JC	8/7/2024	13:01	13:31	Peristaltic Pump	2"	6.0	200.0
104	APW19S Duplicate	BG	8/7/24 11:04	5.99	20.34	BG	8/7/2024	11:04	11:25	Peristaltic Pump	2"	4.0	190.5
105	Equipment Blank 2				-					Direct Grab			
106	Equipment Blank 3				-					Direct Grab			

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Newton- 3Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	A213	JC	07/02/24	09:43	Low Flow	44387	Yes	Clear	None	none	25.87	**6.67**
002	A214	BG	07/02/24	10:29	Low Flow	45720	Yes	Slightly cloudy	None	LT GRAY	40.49	-0.75
003	A215	BG	07/02/24	11:17	Low Flow	45720	Yes	Slightly cloudy	None	Cloudy/clear	43.76	-0.6
005	APW03	BG	07/08/24	12:11	Low Flow	45720	Yes	Clear	None	CLEAR	6.63	-1.12
006	APW04	BG	07/08/24	11:25	Low Flow	45720	Yes	Clear	None	CLEAR	6.23	**1.09**
007	APW05	TAC	07/02/24	10:13	Low Flow	218083	Yes	Clear	None	Clear	14.37	0.11
009	APW06	BG	07/02/24	12:26	Low Flow	45720	Yes	Clear	None	CLEAR	17.98	-1.38
010	APW07	BG	07/02/24	13:27	Low Flow	45720	Yes	Cloudy	None	LT GRAY	45.79	-1.32
011	APW08	JC	07/09/24	13:15	Low Flow	51294	Yes	Clear	Slight	none	37.85	0
012	APW09	BG	07/02/24	14:19	Low Flow	45720	Yes	Clear	None	CLEAR	26.19	-1.1
013	APW10	TAC	07/02/24	13:04	Low Flow	218083	No	Clear	None	Clear	18.78	0.22
014	APW11	TAC	07/02/24	11:03	Low Flow	218083	No	Clear	None	Clear	25.19	0.19
015	APW12	TAC	07/02/24	11:57	Low Flow	218083	No	Clear	None	Clear	16.08	0.08
016	APW13	TAC	07/02/24	14:11	Low Flow	218083	No	Clear	None	Clear	34.36	**1.39**
019	APW16	JC	07/10/24	09:03	Low Flow	51294	No	Clear	Moderate	none	40.31	0
020	APW17	JC	07/09/24	12:38	Low Flow	51294	Yes	Clear	Slight	none	41.50	0
021	APW18	JC	07/09/24	11:02	Low Flow	51294	No	Clear	Strong	none	52.02	0
022	G06D	TAC	07/10/24	10:04	Low Flow	218083	No	Clear	None	Clear	35.72	**6.89**
023	G104	JC	07/08/24	11:46	Low Flow	51294	Yes	Slightly cloudy	None	lt brown	10.90	**3.08**
024	G104D											
025	G104S											
026	G105	BG	07/09/24	10:22	Low Flow	45720	Yes	Clear	Strong	CLEAR	10.89	0.21
027	G106	JC	07/09/24	09:50	Low Flow	51294	Yes	Slightly cloudy	None	none	24.89	**0.57**
028	G109											
029	G111											
030	G112											
031	G113											
032	G114											
033	G115											
034	G116	BG	07/11/24	09:24	Low Flow	45720	Yes	Clear	None	CLEAR	6.08	0.19
035	G117											
036	G118											
037	G119											
038	G120											
039	G125	bg	07/10/24	09:40	Low Flow	45720	Yes	Clear	None	CLEAR	3.78	**0.76**
040	G128	JC	07/10/24	12:36	Low Flow	51294	Yes	Clear	None	none	8.94	**6.91**

Site Samping Event: NEW- 3Q24
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Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Newton- 3Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
041	G130	BG	07/10/24	11:26	Low Flow	45720	Yes	Clear	Slight	CLEAR	6.77	**0.52**
042	G133	BG	07/10/24	10:52	Low Flow	45720	Yes	Clear	None	Clear	12.56	0.23
043	G136	BG	07/10/24	12:06	Low Flow	45720	Yes	Clear	Slight	CLEAR	8.12	**0.67**
044	G139	BG	07/10/24	12:37	Low Flow	45720	Yes	Clear	None	CLEAR	7.46	0.21
045	G141	BG	07/09/24	11:18	Low Flow	45720	No	Clear	Slight	CLEAR	16.21	**0.72**
046	G201	JC	07/10/24	11:55	Low Flow	51294	No	Slightly cloudy	Slight	none	17.18	0
047	G202	TAC	07/09/24	12:56	Low Flow	218083	No	Clear	None	None	48.02	0.04
048	G203	TAC	07/09/24	13:31	Low Flow	218083	No	Clear	None	None	41.55	0.07
049	G208											
050	G217S	BG	07/10/24	13:40	Low Flow	45720	Yes	Clear	None	CLEAR	7.73	0.36
051	G218											
052	G220	TAC	07/10/24	10:59	Low Flow	218083	No	Cloudy	None	None	21.33	**4.33**
053	G221	JC	07/02/24	12:48	Low Flow	51294	Yes	Slightly cloudy	Slight	lt brown	29.09	**5.61**
055	G223	TAC	07/10/24	11:58	Low Flow	218083	No	Clear	None	None	36.08	**3.24**
057	G225	BG	07/08/24	09:28	Low Flow	45720	Yes	Clear	Slight	CLEAR	10.08	0.09
058	G230	JC	07/02/24	13:41	Low Flow	44387	Yes	Slightly cloudy	Slight	none	48.60	0.29
059	G231	JC	07/10/24	11:19	Low Flow	51294	Yes	Slightly cloudy	Slight	none	47.55	0
060	G232	TAC	07/09/24	11:27	Low Flow	218083	Yes	Clear	None	None	45.95	0.03
061	G233	TAC	07/09/24	09:41	Low Flow	218083	Yes	Clear	None	None	42.22	-0.64
062	G234	TAC	07/08/24	12:01	Low Flow	218083	Yes	Slightly cloudy	None	None	43.62	0.18
063	G48MG	JC	07/11/24	08:52	Low Flow	51294	No	Clear	None	none	19.04	0.1
064	L1R	BG	07/10/24	10:20	Direct Sample	#REF!	No	Cloudy	Moderate	DARK GRAY		
065	L201											
066	L202											
067	L203											
068	L204											
069	L205											
070	L301	BG	07/11/24	10:02	Low Flow	45720	No	Clear	Slight	CLEAR		
071	R217D	JC	07/02/24	11:34	Low Flow	44387	Yes	Cloudy	None	lt brown	20.24	**0.99**
072	R219	JC	07/10/24	13:41	Low Flow	51294	Yes	Slightly cloudy	None	lt brown	29.68	**9.03**
073	SG02											
074	XPW01	TAC	07/10/24	13:44	Low Flow	218083	No	Clear	None	Dark Brown	10.66	0
075	XPW02	JC	07/11/24	09:25	Low Flow	51294	No	Clear	Moderate	none	7.62	0
076	XPW03	TAC	07/11/24	10:04	Low Flow	218083	No	Clear	None	None	9.74	0
077	XPW04	TAC	07/11/24	09:22	Low Flow	218083	No	Clear	Slight	None	12.08	0.07
078	XSG01											

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Newton- 3Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
079	Field Blank	JC	07/11/24	10:05	Direct Sample	-	No	Clear	None	None		
080	A213 Duplicate	JC	07/02/24	09:43	Low Flow	44387	Yes	Clear	None	none	25.87	**6.67**
082	G104 Duplicate	JC	07/08/24	11:46	Low Flow	51294	Yes	Slightly cloudy	None	lt brown	10.90	**3.08**
083	Equipment Blank 1	JC	07/11/24	10:15	Direct Sample	-	No	Clear	None	None	-	-
084	Equipment Blank 2											
085	Equipment Blank 3											
086	LREP											
087	R217D	JC	07/10/24	09:32	Low Flow	51294	Yes	Cloudy	None	lt brown	20.96	0.33
088	G230	JC	07/10/24	10:02	Low Flow	51294	Yes	Slightly cloudy	Slight	none	49.53	0.41
089	G221	JC	07/10/24	10:25	Low Flow	51294	Yes	Slightly cloudy	Slight	lt brown	30.22	**3.34**
090	APW02	JC	08/07/24	13:31	Low Flow	218074	Yes	Clear	None	none	5.28	0.14
091	APW05S	BG	08/07/24	10:08	Low Flow	45985	Yes	Clear	None	CLEAR	11.36	**0.81**
092	APW14	JC	08/07/24	12:38	Low Flow	218074	Yes	Clear	None	none	22.48	**1.53**
093	APW15	JC	08/07/24	11:55	Low Flow	218074	Yes	Slightly cloudy	Slight	lt brown	21.21	0
094	APW19S	BG	08/07/24	11:25	Low Flow	45985	Yes	Slightly cloudy	None	CLEAR	6.14	0.15
095	APW20S											
096	APW21S	BG	08/07/24	10:48	Low Flow	45985	Yes	Slightly cloudy	None	CLEAR	11.78	0.27
097	APW22S	JC	08/08/24	09:20	Low Flow	218074	Yes	Clear	None	none	11.13	**2.21**
098	APW23S	JC	08/08/24	10:25	Low Flow	218074	Yes	Clear	None	none	11.85	**4.14**
099	APW23	JC	08/08/24	10:55	Low Flow	218074	Yes	Clear	None	none	15.03	**0.63**
100	G222	JC	08/07/24	11:18	Low Flow	218074	No	Clear	None	none	17.98	**1.68**
101	G224	JC	08/07/24	10:51	Low Flow	218074	No	Clear	None	none	42.55	0
102	Field Blank 2	JC	08/08/24	11:05	Direct Sample	-	No					
103	APW02 Duplicate	JC	08/07/24	13:31	Low Flow	218074	Yes	Clear	None	none	5.28	0.14
104	APW19S Duplicate	BG	08/07/24	11:25	Low Flow	45985	Yes	Slightly cloudy	None	CLEAR	6.14	0.15
105	Equipment Blank 2	JC	08/08/24	11:13	Direct Sample	-	No					
106	Equipment Blank 3	JC	08/07/24	13:45	Direct Sample	-	No					

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Newton- 3Q 2024

WO Sample	Well ID	COMMENTS
001	A213	
002	A214	
003	A215	
005	APW03	
006	APW04	
007	APW05	
009	APW06	
010	APW07	
011	APW08	
012	APW09	
013	APW10	
014	APW11	
015	APW12	
016	APW13	
019	APW16	
020	APW17	
021	APW18	
022	G06D	
023	G104	
024	G104D	
025	G104S	
026	G105	
027	G106	
028	G109	
029	G111	
030	G112	
031	G113	
032	G114	
033	G115	
034	G116	
035	G117	
036	G118	
037	G119	
038	G120	
039	G125	
040	G128	

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Newton- 3Q 2024

WO Sample	Well ID	COMMENTS
041	G130	
042	G133	
043	G136	
044	G139	
045	G141	
046	G201	
047	G202	Obstruction in well at 40+ feet have to lift water level tape up and drop it to get past whatever it is to touch water level
048	G203	
049	G208	obstruction in well. Well opened upon arrival. JC
050	G217S	
051	G218	
052	G220	
053	G221	
055	G223	
057	G225	
058	G230	
059	G231	
060	G232	
061	G233	
062	G234	
063	G48MG	
064	L1R	
065	L201	Would not connect to the Vu Situ app
066	L202	
067	L203	
068	L204	
069	L205	
070	L301	
071	R217D	well lid cant close bc pump is too high. Glove is over top of pump. JC
072	R219	no pump in well. JC
073	SG02	
074	XPW01	
075	XPW02	
076	XPW03	Lid will not needs more PVC cut for Tranducer fitting for lid to close right
077	XPW04	
078	XSG01	

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Newton- 3Q 2024

WO Sample	Well ID	COMMENTS
079	Field Blank	
080	A213 Duplicate	
082	G104 Duplicate	
083	Equipment Blank 1	
084	Equipment Blank 2	Not required
085	Equipment Blank 3	Not required
086	LREP	Leachate tank not operable
087	R217D	*resample from 2Q
088	G230	*resample from 2Q
089	G221	*resample from 2Q
090	APW02	
091	APW05S	
092	APW14	
093	APW15	
094	APW19S	
095	APW20S	Well dry during stabilization; recheck on 8/8, no recharge; no sample
096	APW21S	
097	APW22S	
098	APW23S	
099	APW23	
100	G222	
101	G224	
102	Field Blank 2	
103	APW02 Duplicate	
104	APW19S Duplicate	
105	Equipment Blank 2	
106	Equipment Blank 3	

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Stabilizaed Field Parameters Summary
Newton- 3Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
A213	7/2/2024	9:43	22.9	73.3	6.97	4,220.5	1.74	5.38	184.7	19.20	24061026-001A
A214	7/2/2024	10:29	17.1	62.7	7.42	1,238.4	1.22	440.07	-53.9	41.24	24061026-002A
A215	7/2/2024	11:17	18.2	64.7	7.17	3,149.3	1.10	238.44	-51.8	44.36	24061026-003A
APW03	7/8/2024	12:11	31.2	88.2	6.89	933.5	0.98	57.20	83.8	7.75	24061026-005A
APW04	7/8/2024	11:25	23.5	74.3	6.86	2,016.5	1.53	51.99	78.9	5.14	24061026-006A
APW05	7/2/2024	10:13	15.5	59.9	7.60	997.0	0.24	20.60	-153.3	14.26	24061026-007A
APW06	7/2/2024	12:26	15.3	59.5	7.73	819.9	0.98	159.61	-98.9	19.36	24061026-009A
APW07	7/2/2024	13:27	15.3	59.5	7.47	1,022.5	1.03	168.95	-86.4	47.11	24061026-010A
APW08	7/9/2024	13:15	15.2	59.4	7.33	1,085.1	0.15	8.71	-32.4	37.85	24061026-011A
APW09	7/2/2024	14:19	14.9	58.9	7.59	1,405.6	0.98	16.51	-94.9	27.29	24061026-012A
APW10	7/2/2024	13:04	16.2	61.2	7.14	1,582.5	0.27	20.00	9.1	18.56	24061026-013A
APW11	7/2/2024	11:03	17.1	62.8	7.01	1,310.1	0.35	63.87	-62.6	25.00	24061026-014A
APW12	7/2/2024	11:57	14.8	58.6	6.49	2,321.7	0.22	1.34	47.5	16.00	24061026-015A
APW13	7/2/2024	14:11	16.0	60.7	7.07	1,472.3	0.26	57.62	-110.5	32.97	24061026-016A
APW16	7/10/2024	9:03	15.0	59.1	7.46	1,261.5	0.33	8.01	-107.6	40.31	24061026-019A
APW17	7/9/2024	12:38	16.0	60.7	7.45	1,131.1	0.49	19.33	-98.0	41.50	24061026-020A
APW18	7/9/2024	11:02	15.4	59.6	7.68	987.2	0.12	4.90	-171.6	52.02	24061026-021A
G06D	7/10/2024	10:04	16.7	62.1	7.03	1,521.6	0.53	73.60	-130.2	28.83	24061026-022A
G104	7/8/2024	11:46	21.2	70.1	6.76	1,324.1	0.85	201.94	138.1	7.82	24061026-023A
G104D	7/1/2024	10:50	DTW Only							8.74	24061026-024A
G104S	7/1/2024	10:55	DTW Only							8.64	24061026-025A
G105	7/9/2024	10:22	17.1	62.8	6.89	1,981.8	2.05	8.43	-48.6	10.68	24061026-026A
G106	7/9/2024	9:50	17.0	62.5	6.66	3,671.8	0.65	83.14	21.0	24.32	24061026-027A
G109	7/1/2024	14:35	DTW Only							9.88	24061026-028A
G111	7/1/2024	14:22	DTW Only							9.56	24061026-029A
G112	7/1/2024	14:13	DTW Only							9.53	24061026-030A
G113	7/1/2024	13:34	DTW Only							22.51	24061026-031A
G114	7/1/2024	14:51	DTW Only							18.29	24061026-032A
G115	7/1/2024	11:50	DTW Only							8.18	24061026-033A
G116	7/11/2024	9:24	19.0	66.2	7.18	896.2	2.02	7.47	55.1	5.89	24061026-034A
G117	7/1/2024	15:03	DTW Only							14.64	24061026-035A
G118	7/1/2024	12:00	DTW Only							14.02	24061026-036A
G119	7/1/2024	14:41	DTW Only							9.85	24061026-037A
G120	7/1/2024	14:27	DTW Only							10.79	24061026-038A
G125	7/10/2024	9:40	20.0	68.0	6.76	3,592.7	2.22	37.33	86.0	3.02	24061026-039A
G128	7/10/2024	12:36	21.4	70.6	6.68	15,549.4	0.65	23.14	21.0	2.03	24061026-040A
G130	7/10/2024	11:26	18.7	65.6	6.49	10,928.4	1.46	23.01	114.1	6.25	24061026-041A
G133	7/10/2024	10:52	19.7	67.5	6.99	4,367.8	2.93	54.02	93.5	12.33	24061026-042A
G136	7/10/2024	12:06	18.1	64.6	7.03	4,198.8	3.18	9.74	104.7	7.45	24061026-043A
G139	7/10/2024	12:37	20.0	68.0	6.94	5,985.3	5.27	20.18	80.8	7.25	24061026-044A
G141	7/9/2024	11:18	19.3	66.7	7.13	1,970.1	2.37	6.71	51.0	15.49	24061026-045A
G201	7/10/2024	11:55	22.2	72.0	7.50	1,242.5	0.45	28.53	-103.2	17.18	24061026-046A
G202	7/9/2024	12:56	16.1	60.9	7.30	1,238.2	0.24	101.40	-139.3	47.98	24061026-047A

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Stabilizaed Field Parameters Summary
Newton- 3Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
G203	7/9/2024	13:31	14.8	58.6	7.21	1,186.0	0.18	111.45	-129.7	41.48	24061026-048A
G208	*Well unable to be sampled*										24061026-049A
G217S	7/10/2024	13:40	24.8	76.6	7.05	6,336.3	7.20	7.41	126.7	7.37	24061026-050A
G218	7/1/2024	12:45	DTW Only							19.14	24061026-051A
G220	7/10/2024	10:59	21.2	70.1	6.89	1,264.0	0.24	13.60	-121.8	17.00	24061026-052A
G221	7/2/2024	12:48	37.6	99.7	6.76	2,748.2	0.51	35.50	-108.4	23.48	24061026-053A
G223	7/10/2024	11:58	19.0	66.2	6.85	3,655.5	0.19	95.09	-78.9	32.84	24061026-055A
G225	7/9/2024	9:28	17.6	63.7	7.24	1,186.9	3.20	4.09	76.1	9.99	24061026-057A
G230	7/2/2024	13:41	17.5	63.4	7.31	2,698.3	0.47	67.18	-104.8	48.31	24061026-058A
G231	7/10/2024	11:19	16.3	61.4	7.44	1,213.0	0.07	160.17	-119.8	47.55	24061026-059A
G232	7/9/2024	11:27	16.2	61.2	7.23	1,186.7	0.18	100.53	-147.3	45.92	24061026-060A
G233	7/9/2024	9:41	15.7	60.3	7.13	1,533.6	0.57	108.79	-131.2	42.86	24061026-061A
G234	7/8/2024	12:01	16.2	61.1	7.31	1,186.4	0.16	87.19	-161.7	43.44	24061026-062A
G48MG	7/11/2024	8:52	16.2	61.2	7.63	797.5	0.25	9.02	-70.1	18.94	24061026-063A
L1R	7/11/2024	10:20	23.4	74.1	10.76	48,689.6	2.40	718.97	-10.9	N/A	24061026-064A
L201	7/1/2024	12:47	DTW Only							36.62	24061026-065A
L202	7/1/2024	12:56	DTW Only							39.64	24061026-066A
L203	7/1/2024	14:00	DTW Only							31.95	24061026-067A
L204	7/1/2024	14:12	DTW Only							48.73	24061026-068A
L205	7/1/2024	14:05	DTW Only							32.73	24061026-069A
L301	7/11/2024	10:02	17.6	63.7	10.17	4,985.0	2.94	2.22	51.7	N/A	24061026-070A
R217D	7/2/2024	11:34	26.4	79.6	6.45	6,932.4	0.59	74.23	6.5	19.25	24061026-071A
R219	7/10/2024	13:41	22.6	72.6	7.36	1,729.6	0.26	38.99	-92.8	20.65	24061026-072A
SG02	7/1/2024	14:33	DTW Only							2.91	24061026-073A
XPW01	7/10/2024	13:44	17.1	62.7	12.30	9,791.7	0.07	8.17	-429.5	10.66	24061026-074A
XPW02	7/11/2024	9:25	16.6	61.8	10.12	539.9	0.10	4.00	-228.9	7.62	24061026-075A
XPW03	7/11/2024	10:04	16.4	61.6	11.52	1,420.2	0.19	8.42	-270.8	9.74	24061026-076A
XPW04	7/11/2024	9:22	17.1	62.8	11.08	7,003.7	0.09	44.84	-355.3	12.01	24061026-077A
XSG01	7/1/2024	12:21	DTW Only							6.73	24061026-078A
Field Blank	7/11/2024	10:05	QA/QC Sample								24061026-079A
A213 Duplicate	7/2/2024	9:43	22.9	73.3	6.97	4,220.5	1.74	5.38	184.7	19.20	24061026-080A
G104 Duplicate	7/8/2024	11:46	21.2	70.1	6.76	1,324.1	0.85	201.94	138.1	7.82	24061026-082A
Equipment Blank 1	7/11/2024	10:15	QA/QC Sample								24061026-083A
LREP	*Unable to collect sample; leachate tank inoperable*										24061026-086A
R217D	7/10/2024	9:32	18.9	66.0	6.55	3,711.1	0.40	72.18	24.1	20.63	24061026-087A
G230	7/10/2024	10:02	15.5	60.0	7.38	1,396.4	0.25	86.53	-88.3	49.12	24061026-088A
G221	7/10/2024	10:25	17.0	62.6	6.96	1,434.1	0.06	12.13	-77.5	26.88	24061026-089A
APW02	8/7/2024	13:31	18.2	64.8	6.72	4,924.1	1.64	22.89	43.8	5.14	24061026-090A
APW05S	8/7/2024	10:08	16.3	61.3	6.45	3,869.9	1.98	310.46	122.5	10.55	24061026-091A
APW14	8/7/2024	12:38	17.2	62.9	7.28	1,512.9	1.77	5.19	-89.9	20.95	24061026-092A
APW15	8/7/2024	11:55	16.7	62.1	7.11	1,997.6	0.79	336.69	-140.3	21.21	24061026-093A
APW19S	8/7/2024	11:25	19.7	67.4	6.31	3,971.9	3.08	10.14	49.3	5.99	24061026-094A
APW20S	8/7/2024	12:29	*Well went dry during stabilization; no sample*								24061026-095A

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Stabilizaed Field Parameters Summary
Newton- 3Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
APW21S	8/7/2024	10:48	19.0	66.3	6.73	1,272.3	3.34	9.24	102.2	11.51	24061026-096A
APW22S	8/8/2024	9:20	18.0	64.4	6.27	6,943.4	1.36	6.01	172.3	8.92	24061026-097A
APW23S	8/8/2024	10:25	20.9	69.7	7.06	2,661.1	1.75	7.56	34.1	7.71	24061026-098A
APW23	8/8/2024	10:55	19.9	67.8	7.42	1,441.5	4.32	163.96	-126.9	14.40	24061026-099A
G222	8/7/2024	11:18	16.3	61.4	7.33	1,751.1	0.82	12.34	-146.6	16.30	24061026-100A
G224	8/7/2024	10:51	16.9	62.4	7.38	1,179.3	0.86	236.21	-137.6	42.55	24061026-101A
Field Blank 2	8/8/2024	11:05	QA/QC Sample								24061026-102A
APW02 Duplicate	8/7/2024	13:31	18.2	64.8	6.72	4,924.1	1.64	22.89	43.8	5.14	24061026-103A
APW19S Duplicate	8/7/2024	11:25	19.7	67.4	6.31	3,971.9	3.08	10.14	49.3	5.99	24061026-104A
Equipment Blank 2	8/8/2024	11:13	QA/QC Sample								24061026-105A
Equipment Blank 3	8/7/2024	13:45	QA/QC Sample								24061026-106A

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
A213	7/2/2024	9:28	19.20	20.9	69.5	7.12	4,247.0	4.95	3.62	183.7
A213	7/2/2024	9:31	19.20	21.4	70.6	7.01	4,244.5	3.35	4.16	186.7
A213	7/2/2024	9:34	19.20	21.9	71.4	6.96	4,241.5	2.52	4.09	187.7
A213	7/2/2024	9:37	19.20	22.3	72.1	6.93	4,237.8	2.00	4.64	187.6
A213	7/2/2024	9:40	19.20	22.6	72.7	6.94	4,230.4	1.75	4.97	186.5
A213	7/2/2024	9:43	19.20	22.9	73.3	6.97	4,220.5	1.74	5.38	184.7

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
A214	7/2/2024	10:17	41.24	15.7	60.3	7.40	1,248.5	1.68	567.16	-36.2
A214	7/2/2024	10:20	41.24	16.6	61.9	7.40	1,237.7	1.50	535.77	-42.9
A214	7/2/2024	10:23	41.24	16.1	61.0	7.42	1,239.3	1.39	511.76	-47.5
A214	7/2/2024	10:26	41.24	16.8	62.2	7.42	1,233.2	1.29	468.82	-51.9
A214	7/2/2024	10:29	41.24	17.1	62.7	7.42	1,238.4	1.22	440.07	-53.9

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
A215	7/2/2024	11:08	44.36	17.7	63.9	7.16	3,399.6	1.32	293.56	-42.1
A215	7/2/2024	11:11	44.36	18.3	64.9	7.16	3,288.6	1.22	275.00	-46.3
A215	7/2/2024	11:14	44.36	18.4	65.0	7.17	3,215.0	1.15	281.04	-49.5
A215	7/2/2024	11:17	44.36	18.2	64.7	7.17	3,149.3	1.10	238.44	-51.8

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW03	7/8/2024	11:50	7.75	33.1	91.6	6.96	1,776.3	4.86	42.47	101.3
APW03	7/8/2024	11:53	7.75	33.7	92.6	6.95	1,623.0	5.04	43.57	103.1
APW03	7/8/2024	11:56	7.75	31.4	88.5	6.94	943.8	3.39	16.63	98.0
APW03	7/8/2024	11:59	7.75	27.8	82.0	6.95	934.0	1.70	18.01	91.2
APW03	7/8/2024	12:02	7.75	27.7	81.8	6.92	921.5	1.35	22.24	89.6
APW03	7/8/2024	12:05	7.75	29.6	85.2	6.89	917.3	1.17	33.51	88.1
APW03	7/8/2024	12:08	7.75	31.0	87.7	6.88	921.9	1.05	46.06	85.9
APW03	7/8/2024	12:11	7.75	31.2	88.2	6.89	933.5	0.98	57.20	83.8

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW04	7/8/2024	11:04	5.14	25.7	78.2	6.87	2,012.5	1.99	137.98	66.8
APW04	7/8/2024	11:07	5.14	27.0	80.6	6.84	2,021.5	1.68	67.81	70.0
APW04	7/8/2024	11:10	5.14	26.9	80.5	6.84	2,025.3	1.51	104.12	71.7
APW04	7/8/2024	11:13	5.14	27.2	80.9	6.83	2,029.0	1.43	94.76	73.0
APW04	7/8/2024	11:16	5.14	27.5	81.5	6.83	2,028.8	1.39	94.80	74.4
APW04	7/8/2024	11:19	5.14	26.4	79.5	6.83	2,032.9	1.32	22.18	75.6
APW04	7/8/2024	11:22	5.14	23.5	74.3	6.85	2,012.3	1.28	31.68	76.6
APW04	7/8/2024	11:25	5.14	23.5	74.3	6.86	2,016.5	1.53	51.99	78.9

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW05	7/2/2024	10:01	14.26	15.5	59.9	7.52	999.7	0.50	9.64	0.3
APW05	7/2/2024	10:04	14.26	15.6	60.1	7.58	996.9	0.36	9.60	-71.7
APW05	7/2/2024	10:07	14.26	15.5	59.9	7.60	996.9	0.29	11.14	-115.2
APW05	7/2/2024	10:10	14.26	14.4	57.9	7.60	996.0	0.26	14.73	-140.2
APW05	7/2/2024	10:13	14.26	15.5	59.9	7.60	997.0	0.24	20.60	-153.3

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW06	7/2/2024	12:05	19.36	15.2	59.4	7.76	831.4	1.46	88.46	-69.8
APW06	7/2/2024	12:08	19.36	15.3	59.5	7.76	829.7	1.34	110.86	-77.3
APW06	7/2/2024	12:11	19.36	15.3	59.5	7.75	827.2	1.25	121.88	-82.9
APW06	7/2/2024	12:14	19.36	15.3	59.6	7.75	825.2	1.18	179.21	-87.3
APW06	7/2/2024	12:17	19.36	15.4	59.6	7.74	823.4	1.12	208.65	-90.5
APW06	7/2/2024	12:20	19.36	15.3	59.5	7.74	822.9	1.07	123.19	-93.3
APW06	7/2/2024	12:23	19.36	15.3	59.5	7.74	820.3	1.03	136.16	-96.3
APW06	7/2/2024	12:26	19.36	15.3	59.5	7.73	819.9	0.98	159.61	-98.9

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW07	7/2/2024	13:12	47.11	15.3	59.6	7.49	1,022.8	1.69	523.30	-58.9
APW07	7/2/2024	13:15	47.11	15.5	59.8	7.49	1,023.0	1.39	364.12	-68.8
APW07	7/2/2024	13:18	47.11	15.8	60.4	7.48	1,023.0	1.24	281.87	-75.4
APW07	7/2/2024	13:21	47.11	15.5	60.0	7.48	1,023.8	1.15	271.24	-80.0
APW07	7/2/2024	13:24	47.11	15.3	59.6	7.48	1,023.3	1.09	228.88	-83.6
APW07	7/2/2024	13:27	47.11	15.3	59.5	7.47	1,022.5	1.03	168.95	-86.4

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW08	7/9/2024	13:03	37.85	15.5	59.9	7.33	1,078.2	1.25	11.26	-21.3
APW08	7/9/2024	13:06	37.85	15.4	59.7	7.32	1,083.4	0.47	5.05	-18.9
APW08	7/9/2024	13:09	37.85	15.3	59.5	7.32	1,086.1	0.29	5.54	-18.0
APW08	7/9/2024	13:12	37.85	15.2	59.4	7.32	1,085.3	0.20	6.17	-22.1
APW08	7/9/2024	13:15	37.85	15.2	59.4	7.33	1,085.1	0.15	8.71	-32.4

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW09	7/2/2024	14:10	27.29	15.0	59.0	7.59	1,404.0	1.21	29.46	-79.4
APW09	7/2/2024	14:13	27.29	14.9	58.8	7.58	1,405.4	1.11	23.46	-85.4
APW09	7/2/2024	14:16	27.29	14.9	58.8	7.59	1,405.8	1.03	18.13	-90.7
APW09	7/2/2024	14:19	27.29	14.9	58.9	7.59	1,405.6	0.98	16.51	-94.9

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW10	7/2/2024	12:52	18.56	16.3	61.4	7.15	1,582.6	0.40	108.41	41.2
APW10	7/2/2024	12:55	18.56	16.3	61.3	7.15	1,581.3	0.36	23.90	40.9
APW10	7/2/2024	12:58	18.56	16.4	61.5	7.14	1,580.3	0.35	21.35	31.4
APW10	7/2/2024	13:01	18.56	16.4	61.4	7.14	1,580.7	0.31	18.51	19.3
APW10	7/2/2024	13:04	18.56	16.2	61.2	7.14	1,582.5	0.27	20.00	9.1

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW11	7/2/2024	10:48	25.00	16.9	62.4	6.98	1,321.4	0.79	73.85	-27.2
APW11	7/2/2024	10:51	25.00	16.8	62.2	6.99	1,315.0	0.60	96.52	-43.4
APW11	7/2/2024	10:54	25.00	16.9	62.4	7.00	1,312.6	0.46	51.70	-51.7
APW11	7/2/2024	10:57	25.00	17.1	62.7	7.01	1,312.6	0.42	61.37	-57.2
APW11	7/2/2024	11:00	25.00	17.0	62.6	7.01	1,313.1	0.39	64.92	-59.9
APW11	7/2/2024	11:03	25.00	17.1	62.8	7.01	1,310.1	0.35	63.87	-62.6

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW12	7/2/2024	11:42	16.00	14.8	58.6	6.34	2,207.4	0.48	4.60	50.9
APW12	7/2/2024	11:45	16.00	14.8	58.6	6.40	2,260.9	0.36	3.28	49.2
APW12	7/2/2024	11:48	16.00	14.8	58.6	6.46	2,283.4	0.30	2.44	46.7
APW12	7/2/2024	11:51	16.00	14.8	58.6	6.47	2,300.4	0.26	1.80	46.3
APW12	7/2/2024	11:54	16.00	14.7	58.5	6.48	2,316.9	0.24	1.42	46.8
APW12	7/2/2024	11:57	16.00	14.8	58.6	6.49	2,321.7	0.22	1.34	47.5

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW13	7/2/2024	13:44	32.97	16.3	61.3	7.05	1,471.3	0.77	11.12	62.7
APW13	7/2/2024	13:47	32.97	16.1	60.9	7.05	1,468.1	0.46	26.83	11.5
APW13	7/2/2024	13:50	32.97	15.9	60.5	7.05	1,467.8	0.37	57.45	-41.5
APW13	7/2/2024	13:53	32.97	15.7	60.3	7.06	1,467.8	0.32	82.33	-75.7
APW13	7/2/2024	13:56	32.97	15.9	60.7	7.06	1,470.7	0.29	93.59	-93.8
APW13	7/2/2024	13:59	32.97	16.0	60.7	7.07	1,474.9	1.17	3.92	-88.8
APW13	7/2/2024	14:02	32.97	15.9	60.6	7.07	1,468.1	0.35	10.63	-99.9
APW13	7/2/2024	14:05	32.97	16.1	60.9	7.07	1,471.5	0.28	32.07	-104.3
APW13	7/2/2024	14:08	32.97	16.1	60.9	7.07	1,472.8	0.27	43.99	-107.9
APW13	7/2/2024	14:11	32.97	16.0	60.7	7.07	1,472.3	0.26	57.62	-110.5

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW16	7/10/2024	8:48	40.31	15.0	59.1	7.38	1,227.6	1.82	7.79	1.1
APW16	7/10/2024	8:51	40.31	15.2	59.3	7.40	1,238.4	1.11	5.46	-53.1
APW16	7/10/2024	8:54	40.31	15.1	59.2	7.43	1,248.3	0.72	5.19	-76.2
APW16	7/10/2024	8:57	40.31	15.1	59.2	7.44	1,253.4	0.51	5.08	-91.0
APW16	7/10/2024	9:00	40.31	15.1	59.1	7.45	1,258.2	0.41	5.24	-100.8
APW16	7/10/2024	9:03	40.31	15.0	59.1	7.46	1,261.5	0.33	8.01	-107.6

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW17	7/9/2024	12:11	41.50	16.3	61.3	7.43	1,145.3	1.26	40.77	17.9
APW17	7/9/2024	12:14	41.50	16.2	61.1	7.43	1,146.3	1.03	98.97	3.7
APW17	7/9/2024	12:17	41.50	16.1	61.0	7.44	1,145.2	0.88	70.37	-18.8
APW17	7/9/2024	12:20	41.50	16.0	60.9	7.45	1,143.3	0.83	51.68	-40.8
APW17	7/9/2024	12:23	41.50	16.0	60.7	7.45	1,141.5	0.79	44.36	-58.9
APW17	7/9/2024	12:26	41.50	16.0	60.7	7.45	1,136.6	0.51	34.93	-70.9
APW17	7/9/2024	12:29	41.50	16.0	60.7	7.45	1,134.5	0.56	35.68	-79.9
APW17	7/9/2024	12:32	41.50	16.1	60.9	7.45	1,133.0	0.36	30.53	-88.8
APW17	7/9/2024	12:35	41.50	15.9	60.7	7.45	1,133.5	0.45	16.86	-93.9
APW17	7/9/2024	12:38	41.50	16.0	60.7	7.45	1,131.1	0.49	19.33	-98.0

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW18	7/9/2024	10:17	52.02	16.9	62.4	7.65	980.5	7.79	7.99	29.1
APW18	7/9/2024	10:20	52.02	17.5	63.6	7.41	985.2	3.35	7.17	-19.9
APW18	7/9/2024	10:23	52.02	17.7	63.9	7.41	990.0	1.85	7.03	-63.7
APW18	7/9/2024	10:26	52.02	17.7	63.9	7.47	991.0	1.12	11.04	-81.8
APW18	7/9/2024	10:29	52.02	17.8	64.0	7.54	991.1	0.84	30.97	-95.5
APW18	7/9/2024	10:32	52.02	17.7	63.9	7.56	991.9	0.68	64.08	-105.1
APW18	7/9/2024	10:35	52.02	17.9	64.2	7.58	992.5	0.58	84.04	-114.3
APW18	7/9/2024	10:38	52.02	16.5	61.7	7.62	1,001.2	1.86	15.13	-101.3
APW18	7/9/2024	10:41	52.02	15.7	60.3	7.61	991.9	0.52	8.92	-124.3
APW18	7/9/2024	10:44	52.02	15.6	60.1	7.62	989.5	0.27	30.42	-138.4
APW18	7/9/2024	10:47	52.02	15.6	60.0	7.65	988.1	0.18	22.87	-149.6
APW18	7/9/2024	10:50	52.02	15.5	59.9	7.67	986.8	0.15	50.78	-157.5
APW18	7/9/2024	10:53	52.02	15.4	59.8	7.67	986.0	0.13	4.69	-163.1
APW18	7/9/2024	10:56	52.02	15.5	59.8	7.68	985.2	0.12	15.90	-166.9
APW18	7/9/2024	10:59	52.02	15.4	59.8	7.68	984.1	0.11	14.71	-169.7
APW18	7/9/2024	11:02	52.02	15.4	59.6	7.68	987.2	0.12	4.90	-171.6

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G06D	7/10/2024	9:43	28.83	16.0	60.8	6.94	1,538.0	0.68	51.97	-127.2
G06D	7/10/2024	9:46	28.83	16.1	61.0	6.98	1,534.0	0.63	100.03	-128.7
G06D	7/10/2024	9:49	28.83	16.2	61.2	7.00	1,530.6	0.59	76.66	-130.1
G06D	7/10/2024	9:52	28.83	16.2	61.2	7.01	1,526.2	0.57	65.06	-129.8
G06D	7/10/2024	9:55	28.83	16.3	61.3	7.02	1,523.8	0.54	89.42	-130.5
G06D	7/10/2024	9:58	28.83	16.4	61.5	7.02	1,520.1	0.54	49.75	-130.4
G06D	7/10/2024	10:01	28.83	16.6	61.8	7.03	1,519.5	0.53	43.07	-130.6
G06D	7/10/2024	10:04	28.83	16.7	62.1	7.03	1,521.6	0.53	73.60	-130.2

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G104	7/8/2024	11:34	7.82	21.0	69.9	6.75	1,326.2	1.13	201.25	139.6
G104	7/8/2024	11:37	7.82	21.2	70.2	6.75	1,324.3	1.04	169.97	139.3
G104	7/8/2024	11:40	7.82	21.3	70.4	6.76	1,325.7	0.97	186.42	138.9
G104	7/8/2024	11:43	7.82	21.3	70.3	6.76	1,326.4	0.90	186.78	138.6
G104	7/8/2024	11:46	7.82	21.2	70.1	6.76	1,324.1	0.85	201.94	138.1

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G104D	7/1/2024	10:50	8.74	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G104S	7/1/2024	10:55	8.64	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G105	7/9/2024	10:10	10.68	16.8	62.2	6.98	2,031.6	3.15	8.78	-65.3
G105	7/9/2024	10:13	10.68	16.8	62.2	6.94	2,011.6	2.67	9.47	-50.2
G105	7/9/2024	10:16	10.68	17.0	62.6	6.91	1,997.0	2.41	10.11	-43.8
G105	7/9/2024	10:19	10.68	17.1	62.7	6.90	1,991.0	2.21	8.56	-45.7
G105	7/9/2024	10:22	10.68	17.1	62.8	6.89	1,981.8	2.05	8.43	-48.6

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G106	7/9/2024	9:23	24.32	16.1	61.0	6.68	3,715.8	1.50	182.58	14.5
G106	7/9/2024	9:26	24.32	16.4	61.4	6.67	3,713.5	1.21	155.15	15.4
G106	7/9/2024	9:29	24.32	16.5	61.7	6.66	3,709.3	1.02	140.79	16.6
G106	7/9/2024	9:32	24.32	16.6	62.0	6.66	3,705.7	0.89	131.02	17.5
G106	7/9/2024	9:35	24.32	16.7	62.1	6.66	3,703.6	0.80	119.32	18.1
G106	7/9/2024	9:38	24.32	16.8	62.2	6.66	3,695.4	0.75	106.36	18.8
G106	7/9/2024	9:41	24.32	16.9	62.5	6.66	3,690.1	0.72	98.69	19.4
G106	7/9/2024	9:44	24.32	16.9	62.4	6.66	3,684.8	0.69	86.45	19.9
G106	7/9/2024	9:47	24.32	16.8	62.3	6.66	3,681.1	0.67	81.84	20.5
G106	7/9/2024	9:50	24.32	17.0	62.5	6.66	3,671.8	0.65	83.14	21.0

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G109	7/1/2024	14:35	9.88	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G111	7/1/2024	14:22	9.56	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G112	7/1/2024	14:13	9.53	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G113	7/1/2024	13:34	22.51	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G114	7/1/2024	14:51	18.29	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G115	7/1/2024	11:50	8.18	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G116	7/11/2024	9:15	5.89	18.6	65.6	7.33	900.9	2.61	6.85	47.6
G116	7/11/2024	9:18	5.89	18.8	65.9	7.26	899.7	2.36	5.99	50.6
G116	7/11/2024	9:21	5.89	18.9	66.0	7.22	899.6	2.17	6.45	53.0
G116	7/11/2024	9:24	5.89	19.0	66.2	7.18	896.2	2.02	7.47	55.1

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G117	7/1/2024	15:03	14.64	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G118	7/1/2024	12:00	14.02	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G119	7/1/2024	14:41	9.85	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G120	7/1/2024	14:27	10.79	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G125	7/10/2024	9:28	3.02	20.1	68.1	6.81	3,593.6	3.01	52.42	82.5
G125	7/10/2024	9:31	3.02	20.1	68.2	6.79	3,589.5	2.76	50.82	83.6
G125	7/10/2024	9:34	3.02	20.0	68.1	6.78	3,596.7	2.54	42.38	84.5
G125	7/10/2024	9:37	3.02	20.0	68.1	6.77	3,591.1	2.36	40.82	85.3
G125	7/10/2024	9:40	3.02	20.0	68.0	6.76	3,592.7	2.22	37.33	86.0

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G128	7/10/2024	12:27	2.03	20.8	69.4	6.68	15,494.7	1.60	11.01	45.1
G128	7/10/2024	12:30	2.03	22.7	72.9	6.67	15,492.1	0.59	21.35	31.5
G128	7/10/2024	12:33	2.03	22.0	71.6	6.68	15,455.3	0.62	28.50	25.1
G128	7/10/2024	12:36	2.03	21.4	70.6	6.68	15,549.4	0.65	23.14	21.0

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G130	7/10/2024	11:17	6.25	18.5	65.3	6.59	11,039.1	2.04	31.81	112.2
G130	7/10/2024	11:20	6.25	18.2	64.8	6.52	11,007.7	1.72	28.58	114.7
G130	7/10/2024	11:23	6.25	18.4	65.2	6.50	10,948.2	1.54	25.16	114.6
G130	7/10/2024	11:26	6.25	18.7	65.6	6.49	10,928.4	1.46	23.01	114.1

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G133	7/10/2024	10:43	12.33	17.2	62.9	7.20	4,334.5	2.89	47.22	80.4
G133	7/10/2024	10:46	12.33	18.2	64.7	7.11	4,241.6	2.89	45.89	85.4
G133	7/10/2024	10:49	12.33	18.8	65.8	7.05	4,293.8	2.90	49.89	89.5
G133	7/10/2024	10:52	12.33	19.7	67.5	6.99	4,367.8	2.93	54.02	93.5

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G136	7/10/2024	11:57	7.45	17.9	64.2	7.06	4,582.3	3.46	8.81	101.8
G136	7/10/2024	12:00	7.45	17.6	63.7	7.06	4,331.4	3.42	4.74	102.5
G136	7/10/2024	12:03	7.45	17.9	64.2	7.04	4,219.3	3.28	4.78	103.7
G136	7/10/2024	12:06	7.45	18.1	64.6	7.03	4,198.8	3.18	9.74	104.7

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G139	7/10/2024	12:25	7.25	20.6	69.0	6.98	5,958.7	5.09	20.35	82.1
G139	7/10/2024	12:28	7.25	20.3	68.5	6.96	5,971.3	5.12	19.38	75.4
G139	7/10/2024	12:31	7.25	20.4	68.7	6.95	5,981.7	5.13	18.82	74.4
G139	7/10/2024	12:34	7.25	20.2	68.4	6.94	5,981.6	5.19	19.32	77.2
G139	7/10/2024	12:37	7.25	20.0	68.0	6.94	5,985.3	5.27	20.18	80.8

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G141	7/9/2024	11:09	15.49	18.5	65.2	7.18	2,337.4	2.94	18.71	51.1
G141	7/9/2024	11:12	15.49	18.7	65.6	7.16	2,103.1	2.71	12.89	51.2
G141	7/9/2024	11:15	15.49	18.9	66.0	7.14	2,004.6	2.53	9.01	51.2
G141	7/9/2024	11:18	15.49	19.3	66.7	7.13	1,970.1	2.37	6.71	51.0

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G201	7/10/2024	11:46	17.18	18.8	65.9	7.54	1,226.2	1.09	34.27	-86.3
G201	7/10/2024	11:49	17.18	20.6	69.0	7.51	1,229.8	0.66	29.86	-96.0
G201	7/10/2024	11:52	17.18	21.5	70.7	7.50	1,237.9	0.52	27.60	-100.2
G201	7/10/2024	11:55	17.18	22.2	72.0	7.50	1,242.5	0.45	28.53	-103.2

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G202	7/9/2024	12:32	47.98	16.4	61.5	7.39	1,273.6	1.10	21.14	-128.7
G202	7/9/2024	12:35	47.98	16.3	61.4	7.36	1,284.6	0.76	30.86	-131.1
G202	7/9/2024	12:38	47.98	16.3	61.4	7.34	1,282.3	0.56	57.60	-133.1
G202	7/9/2024	12:41	47.98	16.3	61.3	7.33	1,276.2	0.44	31.63	-134.9
G202	7/9/2024	12:44	47.98	16.2	61.2	7.32	1,266.3	0.38	67.30	-136.2
G202	7/9/2024	12:47	47.98	16.2	61.1	7.32	1,256.6	0.32	97.27	-137.3
G202	7/9/2024	12:50	47.98	16.1	61.0	7.31	1,249.4	0.29	95.78	-137.8
G202	7/9/2024	12:53	47.98	16.1	60.9	7.30	1,244.1	0.26	63.34	-138.5
G202	7/9/2024	12:56	47.98	16.1	60.9	7.30	1,238.2	0.24	101.40	-139.3

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G203	7/9/2024	13:22	41.48	14.6	58.3	7.21	1,221.0	0.28	115.93	-122.5
G203	7/9/2024	13:25	41.48	14.7	58.5	7.21	1,206.2	0.23	133.25	-126.0
G203	7/9/2024	13:28	41.48	14.8	58.6	7.21	1,198.9	0.20	133.32	-128.1
G203	7/9/2024	13:31	41.48	14.8	58.6	7.21	1,186.0	0.18	111.45	-129.7

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G208	*Well unable to be sampled*									

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G217S	7/10/2024	13:25	7.37	21.6	70.9	6.85	6,316.2	5.63	9.65	122.9
G217S	7/10/2024	13:28	7.37	22.1	71.9	6.88	6,318.0	6.16	8.57	124.1
G217S	7/10/2024	13:31	7.37	22.9	73.2	6.92	6,320.5	6.51	8.19	125.1
G217S	7/10/2024	13:34	7.37	23.1	73.6	6.96	6,320.8	6.81	7.85	125.9
G217S	7/10/2024	13:37	7.37	23.8	74.8	7.00	6,328.9	7.06	7.53	126.5
G217S	7/10/2024	13:40	7.37	24.8	76.6	7.05	6,336.3	7.20	7.41	126.7

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G218	7/1/2024	12:45	19.14	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G220	7/10/2024	10:47	17.00	21.0	69.8	7.11	1,270.6	0.42	13.44	-102.9
G220	7/10/2024	10:50	17.00	20.9	69.6	7.04	1,268.5	0.34	12.53	-117.7
G220	7/10/2024	10:53	17.00	21.1	70.0	6.99	1,267.0	0.30	12.33	-121.6
G220	7/10/2024	10:56	17.00	21.1	69.9	6.92	1,266.8	0.26	13.81	-122.2
G220	7/10/2024	10:59	17.00	21.2	70.1	6.89	1,264.0	0.24	13.60	-121.8

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G221	7/2/2024	12:12	23.48	19.9	67.9	6.93	2,612.3	1.11	8.31	-36.6
G221	7/2/2024	12:15	23.48	22.3	72.2	6.92	2,647.6	0.84	11.99	-76.3
G221	7/2/2024	12:18	23.48	24.8	76.7	6.91	2,636.0	0.78	17.05	-90.9
G221	7/2/2024	12:21	23.48	26.8	80.2	6.88	2,677.4	0.76	23.82	-98.6
G221	7/2/2024	12:24	23.48	29.2	84.5	6.86	2,705.3	0.76	32.44	-102.7
G221	7/2/2024	12:27	23.48	31.5	88.7	6.83	2,705.2	0.71	41.30	-104.2
G221	7/2/2024	12:30	23.48	32.7	90.8	6.82	2,711.4	0.69	31.14	-103.9
G221	7/2/2024	12:33	23.48	34.1	93.3	6.80	2,726.2	0.67	35.66	-104.4
G221	7/2/2024	12:36	23.48	34.9	94.9	6.80	2,729.7	0.64	42.24	-104.3
G221	7/2/2024	12:39	23.48	36.0	96.9	6.79	2,735.4	0.61	57.90	-104.4
G221	7/2/2024	12:42	23.48	36.5	97.8	6.77	2,744.9	0.63	34.02	-105.3
G221	7/2/2024	12:45	23.48	37.1	98.7	6.77	2,750.0	0.55	34.81	-107.1
G221	7/2/2024	12:48	23.48	37.6	99.7	6.76	2,748.2	0.51	35.50	-108.4

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G223	7/10/2024	11:43	32.84	17.8	64.1	6.78	3,553.1	0.41	8.52	-84.1
G223	7/10/2024	11:46	32.84	19.0	66.2	6.80	3,545.0	0.93	16.49	-95.0
G223	7/10/2024	11:49	32.84	18.9	66.1	6.83	3,588.7	0.40	58.46	-95.3
G223	7/10/2024	11:52	32.84	18.3	64.9	6.85	3,617.8	0.26	95.64	-86.6
G223	7/10/2024	11:55	32.84	18.9	66.1	6.85	3,633.9	0.21	99.06	-81.3
G223	7/10/2024	11:58	32.84	19.0	66.2	6.85	3,655.5	0.19	95.09	-78.9

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G225	7/9/2024	9:13	9.99	17.8	64.0	7.47	1,172.1	4.24	14.15	58.3
G225	7/9/2024	9:16	9.99	17.8	64.0	7.39	1,166.0	4.01	11.84	64.6
G225	7/9/2024	9:19	9.99	17.9	64.1	7.34	1,165.5	3.80	8.41	68.8
G225	7/9/2024	9:22	9.99	17.7	63.9	7.30	1,171.7	3.58	6.10	71.9
G225	7/9/2024	9:25	9.99	17.5	63.5	7.27	1,181.4	3.39	5.87	74.3
G225	7/9/2024	9:28	9.99	17.6	63.7	7.24	1,186.9	3.20	4.09	76.1

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G230	7/2/2024	13:23	48.31	18.0	64.5	7.31	2,825.5	1.02	35.67	59.5
G230	7/2/2024	13:26	48.31	18.2	64.7	7.30	2,841.5	0.79	38.23	-13.4
G230	7/2/2024	13:29	48.31	18.1	64.7	7.30	2,833.7	0.66	37.85	-58.9
G230	7/2/2024	13:32	48.31	18.0	64.4	7.30	2,803.7	0.58	46.48	-79.0
G230	7/2/2024	13:35	48.31	17.9	64.2	7.31	2,772.6	0.53	54.10	-90.8
G230	7/2/2024	13:38	48.31	17.7	63.9	7.31	2,732.2	0.49	60.06	-99.0
G230	7/2/2024	13:41	48.31	17.5	63.4	7.31	2,698.3	0.47	67.18	-104.8

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G231	7/10/2024	11:01	47.55	16.7	62.0	7.47	1,341.0	0.18	314.71	-92.3
G231	7/10/2024	11:04	47.55	16.6	61.8	7.46	1,302.5	0.14	254.49	-101.5
G231	7/10/2024	11:07	47.55	16.4	61.6	7.46	1,273.6	0.11	215.19	-107.2
G231	7/10/2024	11:10	47.55	16.3	61.4	7.45	1,254.4	0.10	193.86	-111.8
G231	7/10/2024	11:13	47.55	16.4	61.5	7.45	1,241.1	0.08	167.23	-115.0
G231	7/10/2024	11:16	47.55	16.4	61.4	7.44	1,225.0	0.08	178.98	-117.6
G231	7/10/2024	11:19	47.55	16.3	61.4	7.44	1,213.0	0.07	160.17	-119.8

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G232	7/9/2024	11:03	45.92	15.9	60.6	7.21	1,567.3	0.38	148.03	-138.6
G232	7/9/2024	11:06	45.92	15.9	60.7	7.22	1,427.3	0.30	109.31	-142.5
G232	7/9/2024	11:09	45.92	16.1	60.9	7.23	1,326.3	0.25	97.05	-143.9
G232	7/9/2024	11:12	45.92	16.1	61.0	7.23	1,279.9	0.23	132.34	-145.1
G232	7/9/2024	11:15	45.92	16.2	61.1	7.23	1,255.3	0.21	139.66	-145.7
G232	7/9/2024	11:18	45.92	16.3	61.4	7.23	1,227.3	0.19	85.95	-146.6
G232	7/9/2024	11:21	45.92	16.3	61.3	7.23	1,215.1	0.19	113.41	-147.1
G232	7/9/2024	11:24	45.92	16.2	61.2	7.23	1,196.2	0.18	162.26	-147.2
G232	7/9/2024	11:27	45.92	16.2	61.2	7.23	1,186.7	0.18	100.53	-147.3

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G233	7/9/2024	9:26	42.86	15.2	59.3	7.05	1,758.9	0.73	92.97	-129.1
G233	7/9/2024	9:29	42.86	15.2	59.3	7.07	1,679.6	0.64	121.98	-130.3
G233	7/9/2024	9:32	42.86	15.2	59.3	7.09	1,602.0	0.59	91.17	-131.2
G233	7/9/2024	9:35	42.86	15.1	59.2	7.11	1,542.4	0.58	105.57	-131.3
G233	7/9/2024	9:38	42.86	15.4	59.7	7.11	1,536.3	0.58	109.37	-131.1
G233	7/9/2024	9:41	42.86	15.7	60.3	7.13	1,533.6	0.57	108.79	-131.2

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G234	7/8/2024	11:25	43.44	16.5	61.7	7.27	1,375.8	0.27	70.24	-168.5
G234	7/8/2024	11:28	43.44	16.5	61.8	7.29	1,339.0	0.24	82.73	-169.6
G234	7/8/2024	11:31	43.44	16.5	61.8	7.29	1,314.5	0.22	88.36	-168.8
G234	7/8/2024	11:34	43.44	16.5	61.6	7.30	1,292.2	0.21	147.51	-168.0
G234	7/8/2024	11:37	43.44	16.5	61.7	7.30	1,268.5	0.20	178.65	-167.2
G234	7/8/2024	11:40	43.44	16.4	61.6	7.30	1,257.9	0.19	219.80	-166.8
G234	7/8/2024	11:43	43.44	16.4	61.5	7.30	1,241.4	0.19	45.56	-166.2
G234	7/8/2024	11:46	43.44	16.5	61.8	7.31	1,230.3	0.18	79.99	-165.6
G234	7/8/2024	11:49	43.44	16.3	61.4	7.31	1,215.8	0.18	1184.56	-164.6
G234	7/8/2024	11:52	43.44	16.3	61.4	7.31	1,211.1	0.17	76.91	-163.1
G234	7/8/2024	11:55	43.44	16.5	61.7	7.31	1,200.7	0.17	117.02	-162.5
G234	7/8/2024	11:58	43.44	16.5	61.7	7.31	1,195.4	0.17	187.01	-162.5
G234	7/8/2024	12:01	43.44	16.2	61.1	7.31	1,186.4	0.16	87.19	-161.7

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G48MG	7/11/2024	8:40	18.94	17.2	62.9	7.69	802.7	1.44	32.51	-26.3
G48MG	7/11/2024	8:43	18.94	16.1	61.0	7.66	799.4	0.67	20.83	-46.5
G48MG	7/11/2024	8:46	18.94	16.1	61.1	7.63	797.9	0.44	9.87	-52.5
G48MG	7/11/2024	8:49	18.94	16.1	61.0	7.62	797.9	0.32	7.20	-62.9
G48MG	7/11/2024	8:52	18.94	16.2	61.2	7.63	797.5	0.25	9.02	-70.1

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L1R	7/11/2024	10:17	53.69	22.5	72.5	10.74	48,667.6	3.28	946.20	9.2
L1R	7/11/2024	10:20	53.69	23.4	74.1	10.76	48,689.6	2.40	718.97	-10.9

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L201	7/1/2024	12:47	36.62	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L202	7/1/2024	12:56	39.64	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L203	7/1/2024	14:00	31.95	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L204	7/1/2024	14:12	48.73	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L205	7/1/2024	14:05	32.73	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L301	7/11/2024	9:56	N/A	18.3	64.9	9.45	4,999.3	7.64	3.84	82.5
L301	7/11/2024	9:59	N/A	17.6	63.7	10.05	4,984.9	3.65	3.16	61.8
L301	7/11/2024	10:02	N/A	17.6	63.7	10.17	4,985.0	2.94	2.22	51.7

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R217D	7/2/2024	10:55	19.25	22.9	73.3	6.69	6,709.8	4.96	26.87	145.0
R217D	7/2/2024	10:58	19.25	23.8	74.9	6.54	6,752.3	3.10	17.59	151.4
R217D	7/2/2024	11:01	19.25	24.7	76.4	6.48	6,774.4	1.98	14.38	153.6
R217D	7/2/2024	11:04	19.25	25.0	77.0	6.47	6,804.5	1.41	15.92	143.0
R217D	7/2/2024	11:07	19.25	24.9	76.8	6.54	6,832.4	1.36	17.38	120.9
R217D	7/2/2024	11:10	19.25	24.9	76.8	6.60	6,848.5	1.53	45.52	108.7
R217D	7/2/2024	11:13	19.25	25.1	77.1	6.59	6,859.3	1.64	85.07	95.4
R217D	7/2/2024	11:16	19.25	25.3	77.5	6.55	6,875.8	1.50	119.48	72.8
R217D	7/2/2024	11:19	19.25	25.2	77.4	6.49	6,905.7	1.16	107.87	50.4
R217D	7/2/2024	11:22	19.25	25.5	77.9	6.47	6,901.2	0.90	105.06	35.7
R217D	7/2/2024	11:25	19.25	26.0	78.8	6.46	6,890.0	0.75	98.88	25.6
R217D	7/2/2024	11:28	19.25	26.6	79.9	6.45	6,899.1	0.67	88.10	17.5
R217D	7/2/2024	11:31	19.25	26.8	80.2	6.45	6,924.6	0.62	82.99	11.3
R217D	7/2/2024	11:34	19.25	26.4	79.6	6.45	6,932.4	0.59	74.23	6.5

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R219	7/10/2024	13:14	20.65	20.0	68.1	7.42	1,723.9	1.10	56.64	15.9
R219	7/10/2024	13:17	20.65	21.0	69.9	7.41	1,715.7	0.73	61.15	31.7
R219	7/10/2024	13:20	20.65	20.0	67.9	7.40	1,708.5	0.53	64.84	39.8
R219	7/10/2024	13:23	20.65	20.4	68.7	7.38	1,707.2	0.43	63.81	36.1
R219	7/10/2024	13:26	20.65	20.1	68.1	7.37	1,712.4	0.37	80.39	12.6
R219	7/10/2024	13:29	20.65	19.2	66.5	7.38	1,707.3	0.32	50.85	-19.2
R219	7/10/2024	13:32	20.65	20.7	69.3	7.37	1,707.9	0.30	53.64	-46.7
R219	7/10/2024	13:35	20.65	20.9	69.7	7.37	1,715.6	0.27	38.52	-69.8
R219	7/10/2024	13:38	20.65	21.6	70.8	7.36	1,713.8	0.26	37.05	-83.0
R219	7/10/2024	13:41	20.65	22.6	72.6	7.36	1,729.6	0.26	38.99	-92.8

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG02	7/1/2024	14:33	2.91	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW01	7/10/2024	13:23	10.66	17.6	63.7	12.22	9,617.8	0.17	26.92	-422.1
XPW01	7/10/2024	13:26	10.66	17.4	63.2	12.27	9,743.7	0.14	21.82	-419.5
XPW01	7/10/2024	13:29	10.66	17.2	62.9	12.29	9,767.7	0.11	16.21	-420.5
XPW01	7/10/2024	13:32	10.66	17.0	62.7	12.30	9,790.0	0.10	13.55	-422.4
XPW01	7/10/2024	13:35	10.66	17.1	62.8	12.30	9,768.6	0.09	11.86	-413.8
XPW01	7/10/2024	13:38	10.66	17.3	63.1	12.30	9,786.9	0.08	10.23	-424.0
XPW01	7/10/2024	13:41	10.66	17.2	63.0	12.30	9,790.3	0.07	9.17	-428.2
XPW01	7/10/2024	13:44	10.66	17.1	62.7	12.30	9,791.7	0.07	8.17	-429.5

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW02	7/11/2024	9:16	7.62	16.7	62.1	10.36	548.7	0.49	9.64	-160.3
XPW02	7/11/2024	9:19	7.62	16.6	61.9	10.20	542.0	0.23	6.37	-200.9
XPW02	7/11/2024	9:22	7.62	16.6	61.9	10.14	540.4	0.14	4.73	-217.7
XPW02	7/11/2024	9:25	7.62	16.6	61.8	10.12	539.9	0.10	4.00	-228.9

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW03	7/11/2024	9:52	9.74	16.6	61.9	11.59	1,401.4	0.56	21.09	-254.9
XPW03	7/11/2024	9:55	9.74	16.6	61.8	11.59	1,409.6	0.33	16.87	-265.7
XPW03	7/11/2024	9:58	9.74	16.6	61.8	11.57	1,414.7	0.25	13.25	-270.2
XPW03	7/11/2024	10:01	9.74	16.5	61.8	11.55	1,417.5	0.22	10.62	-270.9
XPW03	7/11/2024	10:04	9.74	16.4	61.6	11.52	1,420.2	0.19	8.42	-270.8

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW04	7/11/2024	9:01	12.01	16.9	62.5	10.82	6,721.5	0.20	56.39	-339.6
XPW04	7/11/2024	9:04	12.01	17.0	62.6	10.87	6,717.0	0.16	54.31	-342.5
XPW04	7/11/2024	9:07	12.01	16.9	62.4	10.92	6,705.4	0.14	67.66	-348.4
XPW04	7/11/2024	9:10	12.01	16.9	62.5	10.95	6,715.2	0.13	84.82	-348.0
XPW04	7/11/2024	9:13	12.01	17.1	62.8	10.98	6,772.6	0.12	64.87	-352.9
XPW04	7/11/2024	9:16	12.01	17.2	62.9	11.02	6,843.4	0.11	48.51	-353.3
XPW04	7/11/2024	9:19	12.01	17.1	62.8	11.05	6,921.7	0.10	50.45	-353.9
XPW04	7/11/2024	9:22	12.01	17.1	62.8	11.08	7,003.7	0.09	44.84	-355.3

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG01	7/1/2024	12:21	6.73	DTW Only						

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	7/11/2024	10:05	QA/QC Sample							

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
A213 Duplicate	7/2/2024	9:28	19.20	20.9	69.5	7.12	4,247.0	4.95	3.62	183.7
A213 Duplicate	7/2/2024	9:31	19.20	21.4	70.6	7.01	4,244.5	3.35	4.16	186.7
A213 Duplicate	7/2/2024	9:34	19.20	21.9	71.4	6.96	4,241.5	2.52	4.09	187.7
A213 Duplicate	7/2/2024	9:37	19.20	22.3	72.1	6.93	4,237.8	2.00	4.64	187.6
A213 Duplicate	7/2/2024	9:40	19.20	22.6	72.7	6.94	4,230.4	1.75	4.97	186.5
A213 Duplicate	7/2/2024	9:43	19.20	22.9	73.3	6.97	4,220.5	1.74	5.38	184.7

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G104 Duplicate	7/8/2024	11:34	7.82	21.0	69.9	6.75	1,326.2	1.13	201.25	139.6
G104 Duplicate	7/8/2024	11:37	7.82	21.2	70.2	6.75	1,324.3	1.04	169.97	139.3
G104 Duplicate	7/8/2024	11:40	7.82	21.3	70.4	6.76	1,325.7	0.97	186.42	138.9
G104 Duplicate	7/8/2024	11:43	7.82	21.3	70.3	6.76	1,326.4	0.90	186.78	138.6
G104 Duplicate	7/8/2024	11:46	7.82	21.2	70.1	6.76	1,324.1	0.85	201.94	138.1

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 1	7/11/2024	10:15	QA/QC Sample							

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
LREP	*Unable to collect sample; leachate tank inoperable*									

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R217D	7/10/2024	9:26	20.63	18.0	64.5	6.58	3,694.5	0.87	89.00	24.0
R217D	7/10/2024	9:29	20.63	18.5	65.3	6.55	3,700.3	0.48	77.82	29.0
R217D	7/10/2024	9:32	20.63	18.9	66.0	6.55	3,711.1	0.40	72.18	24.1

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G230	7/10/2024	9:53	49.12	15.6	60.1	7.37	1,532.7	0.69	21.65	-30.5
G230	7/10/2024	9:56	49.12	15.6	60.1	7.37	1,487.1	0.32	77.19	-61.8
G230	7/10/2024	9:59	49.12	15.6	60.0	7.38	1,438.8	0.23	77.92	-77.8
G230	7/10/2024	10:02	49.12	15.5	60.0	7.38	1,396.4	0.25	86.53	-88.3

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G221	7/10/2024	10:16	26.88	23.1	73.6	7.14	1,432.5	0.91	7.35	0.7
G221	7/10/2024	10:19	26.88	18.6	65.6	7.03	1,407.3	0.20	5.59	14.1
G221	7/10/2024	10:22	26.88	17.1	62.9	7.01	1,428.3	0.10	7.30	-43.9
G221	7/10/2024	10:25	26.88	17.0	62.6	6.96	1,434.1	0.06	12.13	-77.5

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW02	8/7/2024	13:07	5.14	18.4	65.1	6.65	5,216.4	3.26	49.98	5.6
APW02	8/7/2024	13:10	5.14	18.3	65.0	6.64	5,177.8	2.96	46.80	23.2
APW02	8/7/2024	13:13	5.14	18.3	64.9	6.65	5,158.7	2.67	46.00	32.6
APW02	8/7/2024	13:16	5.14	18.3	64.9	6.65	5,140.5	2.39	43.62	34.6
APW02	8/7/2024	13:19	5.14	18.3	64.9	6.67	5,099.4	2.17	38.46	38.6
APW02	8/7/2024	13:22	5.14	18.2	64.7	6.68	5,040.2	2.00	34.11	42.2
APW02	8/7/2024	13:25	5.14	18.2	64.8	6.70	4,975.6	1.84	30.70	44.0
APW02	8/7/2024	13:28	5.14	18.2	64.8	6.71	4,939.3	1.72	27.02	44.0
APW02	8/7/2024	13:31	5.14	18.2	64.8	6.72	4,924.1	1.64	22.89	43.8

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW05S	8/7/2024	9:50	10.55	17.1	62.8	6.48	4,036.5	2.87	22.39	120.2
APW05S	8/7/2024	9:53	10.55	17.4	63.4	6.47	4,029.2	2.81	21.23	121.7
APW05S	8/7/2024	9:56	10.55	17.7	63.8	6.49	4,030.5	2.79	21.29	125.6
APW05S	8/7/2024	9:59	10.55	17.9	64.2	6.48	4,030.2	2.78	36.27	127.4
APW05S	8/7/2024	10:02	10.55	18.6	65.4	6.46	3,988.3	2.77	34.91	124.8
APW05S	8/7/2024	10:05	10.55	16.7	62.0	6.45	3,951.6	2.31	65.59	123.0
APW05S	8/7/2024	10:08	10.55	16.3	61.3	6.45	3,869.9	1.98	310.46	122.5

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW14	8/7/2024	12:20	20.95	16.9	62.4	7.28	1,498.6	4.78	7.75	11.6
APW14	8/7/2024	12:23	20.95	17.8	64.1	7.27	1,515.9	3.11	15.93	-3.9
APW14	8/7/2024	12:26	20.95	17.6	63.7	7.27	1,519.7	2.37	7.18	-29.7
APW14	8/7/2024	12:29	20.95	17.6	63.7	7.28	1,517.7	2.15	5.66	-61.0
APW14	8/7/2024	12:32	20.95	17.6	63.6	7.28	1,517.4	1.99	5.04	-76.4
APW14	8/7/2024	12:35	20.95	17.3	63.1	7.28	1,516.6	1.85	5.20	-85.0
APW14	8/7/2024	12:38	20.95	17.2	62.9	7.28	1,512.9	1.77	5.19	-89.9

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW15	8/7/2024	11:40	21.21	16.6	61.9	7.26	2,004.3	2.74	23.92	-106.2
APW15	8/7/2024	11:43	21.21	16.0	60.9	7.13	1,997.5	1.33	89.59	-120.8
APW15	8/7/2024	11:46	21.21	16.0	60.9	7.14	1,994.2	1.09	254.44	-130.2
APW15	8/7/2024	11:49	21.21	16.1	60.9	7.13	1,995.6	0.94	274.87	-134.8
APW15	8/7/2024	11:52	21.21	16.3	61.3	7.12	1,993.4	0.84	181.72	-138.1
APW15	8/7/2024	11:55	21.21	16.7	62.1	7.11	1,997.6	0.79	336.69	-140.3

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW19S	8/7/2024	11:16	5.99	19.5	67.0	6.31	3,970.1	3.81	16.13	41.2
APW19S	8/7/2024	11:19	5.99	19.5	67.2	6.31	3,969.4	3.52	13.71	41.1
APW19S	8/7/2024	11:22	5.99	19.6	67.2	6.31	3,967.8	3.27	11.75	44.1
APW19S	8/7/2024	11:25	5.99	19.7	67.4	6.31	3,971.9	3.08	10.14	49.3

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW20S	8/7/2024	12:08	20.59	18.4	65.2	6.52	2,935.1	2.74	436.22	-45.1
APW20S	8/7/2024	12:11	20.59	18.7	65.6	6.51	2,965.0	2.60	439.81	-39.5
APW20S	8/7/2024	12:14	20.59	18.5	65.4	6.51	2,979.7	2.43	470.37	-37.9
APW20S	8/7/2024	12:17	20.59	18.7	65.6	6.50	2,981.4	2.31	488.70	-38.7
APW20S	8/7/2024	12:20	20.59	22.4	72.4	7.26	435.2	8.26	29.86	-45.2
APW20S	8/7/2024	12:23	20.59	21.1	70.0	6.72	1,681.1	6.51	212.25	-0.5
APW20S	8/7/2024	12:26	20.59	20.8	69.4	6.59	2,438.2	6.31	296.80	-2.0
APW20S	8/7/2024	12:29	20.59	20.5	68.9	6.54	2,832.2	5.77	375.29	-1.2
Well went dry after prior read; rechecked DTW on 8/8, no recharge; no sample collected										

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW21S	8/7/2024	10:39	11.51	18.8	65.8	6.75	1,276.2	3.84	22.42	102.6
APW21S	8/7/2024	10:42	11.51	18.9	66.0	6.74	1,274.9	3.68	14.67	102.4
APW21S	8/7/2024	10:45	11.51	18.9	66.0	6.73	1,274.0	3.51	10.61	102.4
APW21S	8/7/2024	10:48	11.51	19.0	66.3	6.73	1,272.3	3.34	9.24	102.2

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW22S	8/8/2024	8:56	8.92	18.1	64.5	6.29	6,958.3	2.77	24.65	204.7
APW22S	8/8/2024	8:59	8.92	18.1	64.7	6.27	6,985.6	2.39	18.90	196.6
APW22S	8/8/2024	9:02	8.92	18.2	64.8	6.26	6,994.0	2.13	16.32	190.7
APW22S	8/8/2024	9:05	8.92	18.1	64.6	6.26	7,003.5	1.92	13.69	186.2
APW22S	8/8/2024	9:08	8.92	18.0	64.4	6.26	6,996.3	1.72	12.61	182.4
APW22S	8/8/2024	9:11	8.92	18.0	64.3	6.26	6,994.8	1.60	10.11	179.1
APW22S	8/8/2024	9:14	8.92	18.0	64.4	6.26	6,981.8	1.49	8.56	176.3
APW22S	8/8/2024	9:17	8.92	18.0	64.4	6.27	6,957.8	1.42	7.33	174.1
APW22S	8/8/2024	9:20	8.92	18.0	64.4	6.27	6,943.4	1.36	6.01	172.3

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW23S	8/8/2024	9:46	7.71	20.1	68.3	7.23	2,872.8	5.09	29.80	120.9
APW23S	8/8/2024	9:49	7.71	20.2	68.4	7.22	2,857.7	5.45	34.37	121.8
APW23S	8/8/2024	9:52	7.71	20.6	69.1	7.20	2,854.3	5.18	98.55	121.3
APW23S	8/8/2024	9:55	7.71	20.7	69.2	7.18	2,819.9	5.12	44.36	121.0
APW23S	8/8/2024	9:58	7.71	20.7	69.2	7.16	2,759.2	4.88	30.87	120.5
APW23S	8/8/2024	10:01	7.71	20.6	69.0	7.13	2,653.3	4.18	24.64	117.8
APW23S	8/8/2024	10:04	7.71	20.8	69.4	7.10	2,569.0	3.41	20.40	107.0
APW23S	8/8/2024	10:07	7.71	20.8	69.4	7.08	2,553.8	2.89	16.95	83.7
APW23S	8/8/2024	10:10	7.71	20.9	69.7	7.07	2,567.9	2.56	13.48	62.5
APW23S	8/8/2024	10:13	7.71	20.9	69.6	7.07	2,583.1	2.33	12.42	49.9
APW23S	8/8/2024	10:16	7.71	21.0	69.8	7.07	2,600.8	2.16	8.46	42.3
APW23S	8/8/2024	10:19	7.71	21.0	69.7	7.07	2,627.2	1.98	7.34	37.8
APW23S	8/8/2024	10:22	7.71	20.9	69.5	7.06	2,644.9	1.86	7.40	35.5
APW23S	8/8/2024	10:25	7.71	20.9	69.7	7.06	2,661.1	1.75	7.56	34.1

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW23	8/8/2024	10:46	14.4	19.8	67.7	7.42	1,462.7	4.70	135.01	-122.1
APW23	8/8/2024	10:49	14.4	20.0	68.0	7.42	1,451.3	4.50	148.37	-125.5
APW23	8/8/2024	10:52	14.4	19.8	67.6	7.42	1,465.7	4.41	162.81	-126.2
APW23	8/8/2024	10:55	14.4	19.9	67.8	7.42	1,441.5	4.32	163.96	-126.9

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G222	8/7/2024	11:06	16.3	16.8	62.2	7.67	1,728.5	2.22	10.89	-140.8
G222	8/7/2024	11:09	16.3	16.4	61.4	7.51	1,737.0	1.09	8.54	-159.0
G222	8/7/2024	11:12	16.3	16.3	61.4	7.38	1,741.5	0.94	12.15	-149.0
G222	8/7/2024	11:15	16.3	16.3	61.4	7.35	1,747.7	0.86	13.70	-146.7
G222	8/7/2024	11:18	16.3	16.3	61.4	7.33	1,751.1	0.82	12.34	-146.6

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G224	8/7/2024	10:33	42.55	17.0	62.6	7.30	1,166.0	7.58	14.91	157.5
G224	8/7/2024	10:36	42.55	17.0	62.5	7.35	1,177.6	3.49	22.00	-67.2
G224	8/7/2024	10:39	42.55	16.9	62.5	7.37	1,179.4	1.80	48.75	-102.6
G224	8/7/2024	10:42	42.55	16.9	62.3	7.37	1,178.7	1.24	129.41	-116.6
G224	8/7/2024	10:45	42.55	16.9	62.3	7.38	1,177.3	1.01	215.15	-129.0
G224	8/7/2024	10:48	42.55	16.9	62.4	7.38	1,177.6	0.91	224.88	-134.7
G224	8/7/2024	10:51	42.55	16.9	62.4	7.38	1,179.3	0.86	236.21	-137.6

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank 2	8/8/2024	11:05	QA/QC Sample							

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW02 Duplicate	8/7/2024	13:07	5.14	18.4	65.1	6.65	5,216.4	3.26	49.98	5.6
APW02 Duplicate	8/7/2024	13:10	5.14	18.3	65.0	6.64	5,177.8	2.96	46.80	23.2
APW02 Duplicate	8/7/2024	13:13	5.14	18.3	64.9	6.65	5,158.7	2.67	46.00	32.6
APW02 Duplicate	8/7/2024	13:16	5.14	18.3	64.9	6.65	5,140.5	2.39	43.62	34.6
APW02 Duplicate	8/7/2024	13:19	5.14	18.3	64.9	6.67	5,099.4	2.17	38.46	38.6
APW02 Duplicate	8/7/2024	13:22	5.14	18.2	64.7	6.68	5,040.2	2.00	34.11	42.2
APW02 Duplicate	8/7/2024	13:25	5.14	18.2	64.8	6.70	4,975.6	1.84	30.70	44.0
APW02 Duplicate	8/7/2024	13:28	5.14	18.2	64.8	6.71	4,939.3	1.72	27.02	44.0
APW02 Duplicate	8/7/2024	13:31	5.14	18.2	64.8	6.72	4,924.1	1.64	22.89	43.8

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW19S Duplicate	8/7/2024	11:16	5.99	19.5	67.0	6.31	3,970.1	3.81	16.13	41.2
APW19S Duplicate	8/7/2024	11:19	5.99	19.5	67.2	6.31	3,969.4	3.52	13.71	41.1
APW19S Duplicate	8/7/2024	11:22	5.99	19.6	67.2	6.31	3,967.8	3.27	11.75	44.1
APW19S Duplicate	8/7/2024	11:25	5.99	19.7	67.4	6.31	3,971.9	3.08	10.14	49.3

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 2	8/8/2024	11:13	QA/QC Sample							

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 3Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 3	8/7/2024	13:45	QA/QC Sample							

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Newton- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): Tracy Carroll Date: 7/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	7/2/24 9:10
7.0 Buffer	WC240307F	7.01	7/2/24 9:06
10.0 Buffer	WC230619B	10.04	7/2/24 9:16
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	7/2/24 9:27

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	7/2/24 9:28	21.7	7.07	1,413	1.55		
CCV-1	CCV	7/2/24 14:49	23.6	7.09	1,435	1.89		

Comments:

Field Meter ID: Pine 218083 Technician(s): Tracy Carroll Date: 7/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	7/8/24 11:02
7.0 Buffer	WC240307F	7.01	7/8/24 11:00
10.0 Buffer	WC230619B	10.00	7/8/24 11:03
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	7/8/24 11:11

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	7/8/24 11:13	25.6	7.09	1,411	1.33		
CCV-2	CCV	7/8/24 15:05	27	7.05	1,427	1.46		

Comments: Lcs time is 1113

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Newton- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): Tracy Carroll Date: 7/9/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	7/9/24 8:57
7.0 Buffer	WC240307F	7.00	7/9/24 8:50
10.0 Buffer	WC230619B	10.00	7/9/24 8:58
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	7/9/24 9:01

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	7/9/24 9:01	21.7	7.00	1,411	1.67		
CCV-3	CCV	7/9/24 13:40	21.4	7.07	1,466	1.88		

Comments:

Field Meter ID: Pine 218083 Technician(s): Tracy Carroll Date: 7/10/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	7/10/24 9:15
7.0 Buffer	WC240307F	7.01	7/10/24 9:14
10.0 Buffer	WC230619B	10.01	7/10/24 9:17
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	7/10/24 9:20

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	7/10/24 9:21	20.5	7.03	1,413	1.02		
CCV-M-4	CCV	7/10/24 12:33	22.1	7.06	1,436	1.05		
CCV-4	CCV	7/10/24 14:21	24.0	7.10	1,487	1.49		

Comments:

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Newton- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): Tracy Carroll Date: 7/11/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	7/11/24 8:35
7.0 Buffer	WC240307F	7.01	7/11/24 8:32
10.0 Buffer	WC230619B	10.01	7/11/24 8:36
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	7/11/24 8:44

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	7/11/24 8:44	24.4	7.01	1,411	1.44		
CCV-5	CCV	7/11/24 12:22	25.3	7.06	1,455	1.88		

Comments:

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Field Calibration Logs
Newton- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 211368 Technician(s): Justin Colp Date: 7/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	7/2/24 8:54
7.0 Buffer	wc240307f	7.01	7/2/24 8:52
10.0 Buffer	wc240521b	10.00	7/2/24 8:57
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	7/2/24 9:04

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.91	7/2/24 9:04
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	7/2/24 9:06	21.7	7.01	1,413	0.91		
CCV-M-1	CCV	7/2/24 12:02	22.1	7.02	1,420	0.95		
CCV-1	CCV	7/2/24 14:45	22.9	7.03	1,424	0.96		

Comments:

Field Meter ID: Pine 51294 Technician(s): justin colp Date: 7/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	7/8/24 10:20
7.0 Buffer	wc240307f	6.99	7/8/24 10:16
10.0 Buffer	wc240521b	9.98	7/8/24 10:25
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	7/8/24 10:31

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.86	7/8/24 10:31
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	7/8/24 10:35	23.5	6.99	1,413	0.86		
CCV-2	CCV	7/8/24 14:52	28.7	7.01	1,439	0.93		

Comments:

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Field Calibration Logs
Newton- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 51294 Technician(s): justin colp Date: 7/9/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.98	7/9/24 8:16
7.0 Buffer	wc240307f	7.00	7/9/24 8:09
10.0 Buffer	wc240521b	9.99	7/9/24 8:23
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1416	7/9/24 8:33

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.89	7/9/24 8:33
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	7/9/24 8:39	21.3	7.00	1,416	0.89		
CCV-M-3	CCV	7/9/24 12:00	22.9	7.03	1,423	0.98		
CCV-3	CCV	7/9/24 13:39	23.8	7.02	1,429	0.95		

Comments:

Field Meter ID: Pine 51294 Technician(s): justin colp Date: 7/10/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	7/10/24 8:16
7.0 Buffer	wc240307f	7.00	7/10/24 8:12
10.0 Buffer	wc240521b	9.99	7/10/24 8:20
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1411	7/10/24 8:27

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.91	7/10/24 8:27
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	7/10/24 8:30	20.5	7.01	1,411	0.91		
CCV-M-4	CCV	7/10/24 11:41	23.3	7.05	1,423	0.96		
CCV-4	CCV	7/10/24 13:55	25.1	7.06	1,448	1.03		

Comments:

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Newton- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 51294 Technician(s): justin colp Date: 7/11/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.02	7/11/24 8:11
7.0 Buffer	wc240307f	6.99	7/11/24 8:08
10.0 Buffer	wc240521b	9.99	7/11/24 8:15
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1409	7/11/24 8:20

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.01	7/11/24 8:20
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	7/11/24 8:22	22.3	7.00	1,409	1.01		
CCV-5	CCV	7/11/24 10:24	25.1	7.03	1,427	1.08		

Comments:

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Field Calibration Logs
Newton- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45720 Technician(s): Brett Gillihan Date: 7/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	3.99	7/2/24 8:52
7.0 Buffer	WC24307F	7.01	7/2/24 8:48
10.0 Buffer	WC240521B	10.02	7/2/24 8:56
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1415	7/2/24 8:59

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.5	7/2/24 9:01
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	7/2/24 9:04	25.5	7.00	1,415	1.5		
CCV-M-1	CCV	7/2/24 11:39	26	7.00	1,416	1.06		
CCV-1	CCV	7/2/24 14:42	27.3	7.02	1,415	1.5		

Comments:

Field Meter ID: Pine 45720 Technician(s): Brett Gillihan Date: 7/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	3.99	7/8/24 10:29
7.0 Buffer	WC24307F	7.02	7/8/24 10:22
10.0 Buffer	WC240521B	10.01	7/8/24 10:36
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1417	7/8/24 10:39

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	7/8/24 10:48
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	7/8/24 10:50	24.76	7.01	1,417	1.6		
CCV-2	CCV	7/8/24 15:03	26.76	7.02	1,417	1.6		

Comments:

Brett

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Field Calibration Logs
Newton- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45720 Technician(s): Brett Gillihan Date: 7/9/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.02	7/9/24 13:33
7.0 Buffer	WC24307F	7.00	7/9/24 8:18
10.0 Buffer	WC240521B	9.98	7/9/24 8:31
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	7/9/24 8:37

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.5	7/9/24 8:40
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	7/9/24 8:43	23.3	7.01	1,413	1.5		
CCV-M-3	CCV	7/9/24 11:44	24.6	7.03	1,418	1.06		
CCV-3	CCV	7/9/24 13:34	25.8	7.01	1,416	1.4		

Comments:

Field Meter ID: Pine 45720 Technician(s): Brett Gillihan Date: 7/10/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	7/10/24 8:31
7.0 Buffer	WC24307F	7.02	7/10/24 8:26
10.0 Buffer	WC240521B	10.00	7/10/24 8:35
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	7/10/24 8:40

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.5	7/10/24 8:50
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	7/10/24 8:55	23.07	7.02	1,412	1.5		
CCV-M-4	CCV	7/10/24 12:10	24.6	7.06	1,418	1.1		
CCV-4	CCV	7/10/24 14:19	27.21	7.01	1,410	1.3		

Comments:

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Newton- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45720 Technician(s): Brett Gillihan Date: 7/11/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.01	7/11/24 8:46
7.0 Buffer	WC24307F	6.99	7/11/24 8:41
10.0 Buffer	WC240521B	10.03	7/11/24 8:49
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	950059	1416	7/11/24 8:50

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.5	7/11/24 8:53
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	7/11/24 8:55	23	7.00	1,416	1		
CCV-5	CCV	7/11/24 10:24	25.34	7.01	1,420	1.1		

Comments:

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Field Calibration Log(s)
Newton- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218074 Technician(s): justin colp Date: 8/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	8/7/24 10:04
7.0 Buffer	wc231207a	6.99	8/7/24 9:55
10.0 Buffer	wc240625b	10.00	8/7/24 10:05
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1411	8/7/24 10:10

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.4	8/7/24 10:10
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	8/7/24 10:15	23.3	7.00	1,411	0.4		
CCV-1	CCV	8/7/24 14:09	26.4	7.02	1,423	0.48		

Comments:

Field Meter ID: Pine 218074 Technician(s): justin colp Date: 8/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	3.98	8/8/24 8:37
7.0 Buffer	wc231207a	7.00	8/8/24 8:33
10.0 Buffer	wc240625b	9.98	8/8/24 8:41
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/7/24 8:44

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.51	8/8/24 8:48
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	8/8/24 8:50	23.9	7.00	1,412	0.51		
CCV-2	CCV	8/8/24 14:31	24.6	7.03	1,427	0.57		

Comments:

Site Samping Event: NEW- 3Q24
LIMS Workorder: 24061026
Technician(s): JC, BG, PY

Field Calibration Log(s)
Newton- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45985 Technician(s): Brett Gillihan Date: 8/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	8/7/24 9:14
7.0 Buffer	WC240307F	7.00	8/7/24 9:18
10.0 Buffer	WC240625B	9.99	8/7/24 9:22
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1391	8/7/24 9:26

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.4	8/7/24 9:31
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	8/7/24 9:38	22.1	7.00	1,391	1.4		
CCV-1	CCV	8/7/24 14:08	25.6	7.00	1,391	1.6		

Comments:

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218083
Description YSI Pro DSS Sonde
Calibrated 6/27/2024 10:21:25AM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 23F102674
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.01	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.07	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.04	10.04	0.40%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	FNU	0.00	FNU	0.34	0.00	0.00%	Pass
124.00 / 124.00	FNU	124.00	FNU	126.32	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.501	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	242.90	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45720
Description YSI Pro DSS
Calibrated 6/27/2024 10:15:34AM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101794
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.00	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	3.89	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.05	10.04	0.40%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	-0.43	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	128.39	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.378	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	244.10	240.00	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 51294
Description YSI Pro DSS Sonde
Calibrated 7/5/2024 11:57:06AM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 21D103486
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.23	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.42	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.95	10.05	0.50%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.25	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	100.99	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.491	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	229.10	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45985
Description YSI Pro DSS
Calibrated 7/25/2024 3:07:11PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101797
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.06	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.04	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.03	10.04	0.40%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.24	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	125.76	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.459	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	243.2	240.0	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45985
Description YSI Pro DSS
Calibrated 7/25/2024 3:07:11PM

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	99.8	100.3	0.30%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653		5/25/2025
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#4GA1475	STL ORP SOLUTION 240MV L#4GA1475	AquaPhoenix Scientific	ORP Solution	4GA1475		10/25/2024
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GB0027	STL PH7 L#4GB0027	AquaPhoenix Scientific	PH7	4GB0027		2/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218074
Description YSI Pro DSS Sonde
Calibrated 7/25/2024 6:32:30PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 23F102664
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.30	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.36	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.20	10.04	0.40%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.06	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	105.31	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.435	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	216.10	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218074
Description YSI Pro DSS Sonde
Calibrated 7/25/2024 6:32:30PM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	98.90	100.00	0.00%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653		5/25/2025
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#4GA1475	STL ORP SOLUTION 240MV L#4GA1475	AquaPhoenix Scientific	ORP Solution	4GA1475		10/25/2024
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GB0027	STL PH7 L#4GB0027	AquaPhoenix Scientific	PH7	4GB0027		2/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

November 12, 2024

Eric Bauer
Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
TEL: (414) 837-3607
FAX: (414) 837-3608

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: NEW-24Q4 **WorkOrder:** 24091272

Dear Eric Bauer:

TEKLAB, INC received 23 samples for NEW_257_501 on 10/8/2024 3:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report,Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Elizabeth A. Hurley

Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

Client: Ramboll
Work Order: 24091272
Client Project: NEW-24Q4
Report Date: 12-Nov-24

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Abbr	Definition
*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Definitions

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- C - RL shown is a Client Requested Quantitation Limit
- E - Value above quantitation range
- H - Holding times exceeded
- I - Associated internal standard was outside method criteria
- J - Analyte detected below quantitation limits
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- T - TIC(Tentatively identified compound)
- X - Value exceeds Maximum Contaminant Level

Case Narrative

Client: Ramboll
Client Project: NEW-24Q4

Work Order: 24091272
Report Date: 12-Nov-24

Cooler Receipt Temp: 1.9 °C

An employee of Teklab, Inc. collected the sample(s).

Per Chase Christenson, cancel sampling at XPW01, XPW02, XPW03, and XPW04 (wells removed/abandoned prior to Q4 sampling). EAH 9/20/24

Equipment Blank 1 and Equipment Blank 3 were not used.

Dates/times of collection for depth, only, locations are per the field files. EAH 10/9/24

Per Eric Bauer's request, only NEW_257_501 data is included in this report. EAH 11/12/24

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Accreditations

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-004 **Client Sample ID:** APW02

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 10:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.12**	ft	1	10/02/2024 10:49	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**65**	NTU	1	10/02/2024 10:49	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**19**	mV	1	10/02/2024 10:49	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**4820**	µS/cm	1	10/02/2024 10:49	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.5**	°C	1	10/02/2024 10:49	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.62**	mg/L	1	10/02/2024 10:49	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**6.11**		1	10/02/2024 10:49	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**592**	mg/L	1	10/07/2024 12:09	R354253
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/07/2024 12:09	R354253
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**3900**	mg/L	1	10/08/2024 10:08	R354396
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	10/05/2024 6:25	R354124
Chloride	NELAP	1.00	5.00		**97.4**	mg/L	10	10/05/2024 6:25	R354124
Sulfate	NELAP	3.00	10.0		**3050**	mg/L	10	10/05/2024 6:25	R354124
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**515**	mg/L	1	10/07/2024 14:40	229297
Magnesium	NELAP	0.006	0.050		**468**	mg/L	1	10/07/2024 14:40	229297
Potassium	NELAP	0.040	0.100		**7.62**	mg/L	1	10/07/2024 14:40	229297
Sodium	NELAP	0.018	0.050		**451**	mg/L	1	10/07/2024 14:40	229297
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.6**	µg/L	5	10/08/2024 9:05	229297
Arsenic	NELAP	0.4	1.0	J	**0.5**	µg/L	5	10/07/2024 18:43	229297
Barium	NELAP	0.7	1.0		**9.8**	µg/L	5	10/07/2024 18:43	229297
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 18:43	229297
Boron	NELAP	9.2	25.0		**114**	µg/L	5	10/07/2024 18:43	229297
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 18:43	229297
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	10/07/2024 18:43	229297
Cobalt	NELAP	0.1	1.0		**1.5**	µg/L	5	10/07/2024 18:43	229297
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 18:43	229297
Lithium	*	1.4	3.0		**109**	µg/L	5	10/07/2024 18:43	229297
Molybdenum	NELAP	0.6	1.5		**1.9**	µg/L	5	10/08/2024 9:05	229297
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 18:43	229297
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/07/2024 18:43	229297
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/08/2024 10:21	229358

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-005 **Client Sample ID:** APW03

Matrix: GROUNDWATER **Collection Date:** 10/07/2024 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.83**	ft	1	10/07/2024 11:23	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.3**	NTU	1	10/07/2024 11:23	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-5**	mV	1	10/07/2024 11:23	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1220**	µS/cm	1	10/07/2024 11:23	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**19.8**	°C	1	10/07/2024 11:23	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.49**	mg/L	1	10/07/2024 11:23	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**6.49**		1	10/07/2024 11:23	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**417**	mg/L	1	10/08/2024 10:08	R354312
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/08/2024 10:08	R354312
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**584**	mg/L	1	10/08/2024 10:30	R354396
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.20**	mg/L	10	10/08/2024 16:38	R354259
Chloride	NELAP	1.00	5.00		**8.44**	mg/L	10	10/08/2024 16:38	R354259
Sulfate	NELAP	3.00	10.0		**111**	mg/L	10	10/08/2024 16:38	R354259
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**86.8**	mg/L	1	10/08/2024 17:49	229380
Magnesium	NELAP	0.006	0.050		**47.0**	mg/L	1	10/08/2024 17:49	229380
Potassium	NELAP	0.040	0.100		**0.498**	mg/L	1	10/08/2024 17:49	229380
Sodium	NELAP	0.018	0.050		**59.9**	mg/L	1	10/08/2024 17:49	229380
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.5**	µg/L	5	10/10/2024 18:33	229380
Arsenic	NELAP	0.4	1.0	J	**0.4**	µg/L	5	10/10/2024 18:33	229380
Barium	NELAP	0.7	1.0		**86.0**	µg/L	5	10/10/2024 18:33	229380
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/16/2024 22:18	229380
Boron	NELAP	9.2	25.0		**401**	µg/L	5	10/10/2024 18:33	229380
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/10/2024 18:33	229380
Chromium	NELAP	0.7	1.5		**1.7**	µg/L	5	10/10/2024 18:33	229380
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	10/10/2024 18:33	229380
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/10/2024 18:33	229380
Lithium	*	1.4	3.0		**11.3**	µg/L	5	10/16/2024 22:18	229380
Molybdenum	NELAP	0.6	1.5	J	**1.2**	µg/L	5	10/11/2024 17:14	229380
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/10/2024 18:33	229380
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/10/2024 18:33	229380
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/09/2024 12:26	229394

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-006 **Client Sample ID:** APW04

Matrix: GROUNDWATER **Collection Date:** 10/07/2024 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.55**	ft	1	10/07/2024 12:23	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.9**	NTU	1	10/07/2024 12:23	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**67**	mV	1	10/07/2024 12:23	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2670**	µS/cm	1	10/07/2024 12:23	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.7**	°C	1	10/07/2024 12:23	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.55**	mg/L	1	10/07/2024 12:23	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**6.41**		1	10/07/2024 12:23	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**518**	mg/L	1	10/08/2024 10:46	R354312
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/08/2024 10:46	R354312
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1710**	mg/L	1	10/08/2024 10:30	R354396
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	10/08/2024 16:49	R354259
Chloride	NELAP	1.00	5.00		**33.3**	mg/L	10	10/08/2024 16:49	R354259
Sulfate	NELAP	3.00	10.0		**832**	mg/L	10	10/08/2024 16:49	R354259
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**219**	mg/L	1	10/08/2024 17:53	229380
Magnesium	NELAP	0.006	0.050		**165**	mg/L	1	10/08/2024 17:53	229380
Potassium	NELAP	0.040	0.100		**1.71**	mg/L	1	10/08/2024 17:53	229380
Sodium	NELAP	0.018	0.050		**89.3**	mg/L	1	10/08/2024 17:53	229380
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/10/2024 18:39	229380
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/10/2024 18:39	229380
Barium	NELAP	0.7	1.0		**12.4**	µg/L	5	10/10/2024 18:39	229380
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/16/2024 22:24	229380
Boron	NELAP	9.2	25.0		**32.0**	µg/L	5	10/10/2024 18:39	229380
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/10/2024 18:39	229380
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	10/10/2024 18:39	229380
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	10/10/2024 18:39	229380
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/10/2024 18:39	229380
Lithium	*	1.4	3.0		**22.0**	µg/L	5	10/16/2024 22:24	229380
Molybdenum	NELAP	0.6	1.5	J	**1.4**	µg/L	5	10/11/2024 18:10	229380
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/10/2024 18:39	229380
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/10/2024 18:39	229380
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/09/2024 12:38	229394

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-007 **Client Sample ID:** APW05

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 11:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**14.40**	ft	1	10/02/2024 11:46	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**20**	NTU	1	10/02/2024 11:46	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-170**	mV	1	10/02/2024 11:46	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**916**	µS/cm	1	10/02/2024 11:46	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.7**	°C	1	10/02/2024 11:46	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.80**	mg/L	1	10/02/2024 11:46	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**6.48**		1	10/02/2024 11:46	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**478**	mg/L	1	10/07/2024 12:26	R354253
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/07/2024 12:26	R354253
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**500**	mg/L	2.5	10/08/2024 10:09	R354396
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.41**	mg/L	10	10/05/2024 6:37	R354124
Chloride	NELAP	1.00	5.00		**45.7**	mg/L	10	10/05/2024 6:37	R354124
Sulfate	NELAP	3.0	10	J	**3.4**	mg/L	10	10/05/2024 6:37	R354124
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**58.4**	mg/L	1	10/07/2024 14:42	229297
Magnesium	NELAP	0.006	0.050		**29.6**	mg/L	1	10/07/2024 14:42	229297
Potassium	NELAP	0.040	0.100		**1.72**	mg/L	1	10/07/2024 14:42	229297
Sodium	NELAP	0.018	0.050		**137**	mg/L	1	10/07/2024 14:42	229297
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/08/2024 9:11	229297
Arsenic	NELAP	0.4	1.0		**28.0**	µg/L	5	10/07/2024 18:49	229297
Barium	NELAP	0.7	1.0		**281**	µg/L	5	10/07/2024 18:49	229297
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 18:49	229297
Boron	NELAP	9.2	25.0		**101**	µg/L	5	10/07/2024 18:49	229297
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 18:49	229297
Chromium	NELAP	0.7	1.5	J	**0.9**	µg/L	5	10/07/2024 18:49	229297
Cobalt	NELAP	0.1	1.0	J	**0.3**	µg/L	5	10/07/2024 18:49	229297
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 18:49	229297
Lithium	*	1.4	3.0		**9.5**	µg/L	5	10/07/2024 18:49	229297
Molybdenum	NELAP	0.6	1.5		**9.7**	µg/L	5	10/07/2024 18:49	229297
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 18:49	229297
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/07/2024 18:49	229297
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/08/2024 10:23	229358

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-008 **Client Sample ID:** APW05S

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 12:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**13.50**	ft	1	10/02/2024 12:18	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.3**	NTU	1	10/02/2024 12:18	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**15**	mV	1	10/02/2024 12:18	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3670**	µS/cm	1	10/02/2024 12:18	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.5**	°C	1	10/02/2024 12:18	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.37**	mg/L	1	10/02/2024 12:18	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**6.13**		1	10/02/2024 12:18	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**550**	mg/L	1	10/07/2024 12:34	R354253
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/07/2024 12:34	R354253
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**3330**	mg/L	1	10/08/2024 10:31	R354396
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.27**	mg/L	10	10/05/2024 6:49	R354124
Chloride	NELAP	1.00	5.00		**134**	mg/L	10	10/05/2024 6:49	R354124
Sulfate	NELAP	3.00	10.0		**1910**	mg/L	10	10/05/2024 6:49	R354124
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**396**	mg/L	1	10/07/2024 15:14	229297
Magnesium	NELAP	0.006	0.050		**311**	mg/L	1	10/07/2024 15:14	229297
Potassium	NELAP	0.040	0.100		**2.54**	mg/L	1	10/07/2024 15:14	229297
Sodium	NELAP	0.018	0.050		**273**	mg/L	1	10/07/2024 15:14	229297
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/08/2024 9:17	229297
Arsenic	NELAP	0.4	1.0	J	**0.5**	µg/L	5	10/07/2024 18:55	229297
Barium	NELAP	0.7	1.0		**29.5**	µg/L	5	10/07/2024 18:55	229297
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 18:55	229297
Boron	NELAP	9.2	25.0		**38.2**	µg/L	5	10/07/2024 18:55	229297
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 18:55	229297
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	10/07/2024 18:55	229297
Cobalt	NELAP	0.1	1.0	J	**0.5**	µg/L	5	10/07/2024 18:55	229297
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 18:55	229297
Lithium	*	1.4	3.0		**37.4**	µg/L	5	10/07/2024 18:55	229297
Molybdenum	NELAP	0.6	1.5	J	**1.2**	µg/L	5	10/07/2024 18:55	229297
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 18:55	229297
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/07/2024 18:55	229297
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/08/2024 10:26	229358

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-009 **Client Sample ID:** APW06

Matrix: GROUNDWATER **Collection Date:** 10/08/2024 9:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**19.51**	ft	1	10/08/2024 9:33	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.0**	NTU	1	10/08/2024 9:33	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-142**	mV	1	10/08/2024 9:33	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**699**	µS/cm	1	10/08/2024 9:33	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.6**	°C	1	10/08/2024 9:33	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.78**	mg/L	1	10/08/2024 9:33	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**7.48**		1	10/08/2024 9:33	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**474**	mg/L	1	10/09/2024 9:59	R354395
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/09/2024 9:59	R354395
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**475**	mg/L	2.5	10/11/2024 10:37	R354573
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**0.50**	mg/L	10	10/10/2024 1:58	R354345
Chloride	NELAP	1.00	5.00		**22.5**	mg/L	10	10/10/2024 1:58	R354345
Sulfate	NELAP	3.0	10	J	**3.3**	mg/L	10	10/10/2024 1:58	R354345
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**55.0**	mg/L	1	10/10/2024 16:04	229445
Magnesium	NELAP	0.006	0.050		**25.0**	mg/L	1	10/10/2024 16:04	229445
Potassium	NELAP	0.040	0.100		**1.40**	mg/L	1	10/10/2024 16:04	229445
Sodium	NELAP	0.018	0.050		**99.8**	mg/L	1	10/10/2024 16:04	229445
Sample result(s) for Na exceed 10 times the CCB. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/10/2024 20:16	229445
Arsenic	NELAP	0.4	1.0		**6.9**	µg/L	5	10/14/2024 12:38	229445
Barium	NELAP	0.7	1.0		**331**	µg/L	5	10/15/2024 20:05	229445
Beryllium	NELAP	0.2	1.0	J	**0.3**	µg/L	5	10/15/2024 20:05	229445
Boron	NELAP	9.2	25.0		**117**	µg/L	5	10/15/2024 20:05	229445
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/14/2024 12:38	229445
Chromium	NELAP	0.7	1.5	J	**1.1**	µg/L	5	10/15/2024 20:05	229445
Cobalt	NELAP	0.1	1.0	J	**0.5**	µg/L	5	10/15/2024 20:05	229445
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/14/2024 12:38	229445
Lithium	*	1.4	3.0		**15.1**	µg/L	5	10/15/2024 20:05	229445
Molybdenum	NELAP	0.6	1.5		**8.0**	µg/L	5	10/14/2024 12:38	229445
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/14/2024 12:38	229445
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/10/2024 20:16	229445
CCV recovered outside the upper control limits for Cr. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/10/2024 12:31	229476

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-010 **Client Sample ID:** APW07

Matrix: GROUNDWATER **Collection Date:** 10/08/2024 10:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**47.60**	ft	1	10/08/2024 10:05	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**59**	NTU	1	10/08/2024 10:05	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-131**	mV	1	10/08/2024 10:05	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**862**	µS/cm	1	10/08/2024 10:05	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.5**	°C	1	10/08/2024 10:05	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.98**	mg/L	1	10/08/2024 10:05	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**7.17**		1	10/08/2024 10:05	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**506**	mg/L	1	10/09/2024 10:19	R354395
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/09/2024 10:19	R354395
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	80	100		**620**	mg/L	5	10/11/2024 11:08	R354573
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.36**	mg/L	10	10/10/2024 2:10	R354345
Chloride	NELAP	1.00	5.00		**62.5**	mg/L	10	10/10/2024 2:10	R354345
Sulfate	NELAP	3.00	10.0		**14.0**	mg/L	10	10/10/2024 2:10	R354345
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**143**	mg/L	1	10/10/2024 16:04	229445
Magnesium	NELAP	0.006	0.050		**52.7**	mg/L	1	10/10/2024 16:04	229445
Potassium	NELAP	0.040	0.100		**4.11**	mg/L	1	10/10/2024 16:04	229445
Sodium	NELAP	0.018	0.050		**85.1**	mg/L	1	10/10/2024 16:04	229445
Sample result(s) for Na exceed 10 times the CCB. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.6**	µg/L	5	10/10/2024 20:22	229445
Arsenic	NELAP	0.4	1.0		**23.1**	µg/L	5	10/14/2024 12:44	229445
Barium	NELAP	0.7	1.0		**617**	µg/L	5	10/10/2024 20:22	229445
Beryllium	NELAP	0.2	1.0	J	**0.9**	µg/L	5	10/16/2024 21:12	229445
Boron	NELAP	9.2	25.0		**88.6**	µg/L	5	11/01/2024 21:16	230351
Cadmium	NELAP	0.2	1.0	J	**0.3**	µg/L	5	10/14/2024 12:44	229445
Chromium	NELAP	0.7	1.5		**40.1**	µg/L	5	10/10/2024 20:22	229445
Cobalt	NELAP	0.1	1.0		**14.6**	µg/L	5	10/15/2024 20:11	229445
Lead	NELAP	0.6	1.0		**12.6**	µg/L	5	10/14/2024 12:44	229445
Lithium	*	1.4	3.0		**22.5**	µg/L	5	11/01/2024 21:16	230351
Molybdenum	NELAP	0.6	1.5		**8.4**	µg/L	5	11/01/2024 21:16	230351
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/10/2024 20:22	229445
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/10/2024 20:22	229445
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/10/2024 12:33	229476

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-011 **Client Sample ID:** APW08

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 9:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**32.84**	ft	1	10/02/2024 9:35	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.4**	NTU	1	10/02/2024 9:35	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-88**	mV	1	10/02/2024 9:35	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1070**	µS/cm	1	10/02/2024 9:35	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.0**	°C	1	10/02/2024 9:35	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.84**	mg/L	1	10/02/2024 9:35	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**7.46**		1	10/02/2024 9:35	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**518**	mg/L	1	10/07/2024 11:15	R354253
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/07/2024 11:15	R354253
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**650**	mg/L	2.5	10/08/2024 10:32	R354396
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.35**	mg/L	10	10/05/2024 7:59	R354124
Chloride	NELAP	1.00	5.00		**54.6**	mg/L	10	10/05/2024 7:59	R354124
Sulfate	NELAP	3.00	10.0		**46.4**	mg/L	10	10/05/2024 7:59	R354124
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**109**	mg/L	1	10/07/2024 15:16	229297
Magnesium	NELAP	0.006	0.050		**44.7**	mg/L	1	10/07/2024 15:16	229297
Potassium	NELAP	0.040	0.100		**2.18**	mg/L	1	10/07/2024 15:16	229297
Sodium	NELAP	0.018	0.050		**89.3**	mg/L	1	10/07/2024 15:16	229297
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/08/2024 9:23	229297
Arsenic	NELAP	0.4	1.0		**18.7**	µg/L	5	10/07/2024 19:01	229297
Barium	NELAP	0.7	1.0		**448**	µg/L	5	10/07/2024 19:01	229297
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 19:01	229297
Boron	NELAP	9.2	25.0		**81.1**	µg/L	5	10/07/2024 19:01	229297
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 19:01	229297
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	10/07/2024 19:01	229297
Cobalt	NELAP	0.1	1.0	J	**0.4**	µg/L	5	10/07/2024 19:01	229297
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 19:01	229297
Lithium	*	1.4	3.0	J	**2.3**	µg/L	5	10/07/2024 19:01	229297
Molybdenum	NELAP	0.6	1.5		**3.5**	µg/L	5	10/07/2024 19:01	229297
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 19:01	229297
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/07/2024 19:01	229297
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/08/2024 10:28	229358

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-012 **Client Sample ID:** APW09

Matrix: GROUNDWATER **Collection Date:** 10/08/2024 11:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**27.71**	ft	1	10/08/2024 11:51	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**24**	NTU	1	10/08/2024 11:51	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-48**	mV	1	10/08/2024 11:51	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1150**	µS/cm	1	10/08/2024 11:51	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.1**	°C	1	10/08/2024 11:51	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.58**	mg/L	1	10/08/2024 11:51	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**7.32**		1	10/08/2024 11:51	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**605**	mg/L	1	10/09/2024 10:31	R354395
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/09/2024 10:31	R354395
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**815**	mg/L	2.5	10/11/2024 11:09	R354573
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.43**	mg/L	10	10/10/2024 2:22	R354345
Chloride	NELAP	1.00	5.00		**137**	mg/L	10	10/10/2024 2:22	R354345
Sulfate	NELAP	3.0	10	J	**5.5**	mg/L	10	10/10/2024 2:22	R354345
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**78.7**	mg/L	1	10/10/2024 16:05	229445
Magnesium	NELAP	0.006	0.050		**37.9**	mg/L	1	10/10/2024 16:05	229445
Potassium	NELAP	0.040	0.100		**2.05**	mg/L	1	10/10/2024 16:05	229445
Sodium	NELAP	0.018	0.050		**179**	mg/L	1	10/10/2024 16:05	229445
Sample result(s) for Na exceed 10 times the CCB. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/10/2024 20:28	229445
Arsenic	NELAP	0.4	1.0		**30.4**	µg/L	5	10/15/2024 21:32	229445
Barium	NELAP	0.7	1.0		**372**	µg/L	5	10/10/2024 20:28	229445
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/15/2024 21:32	229445
Boron	NELAP	9.2	25.0		**125**	µg/L	5	10/21/2024 12:45	229445
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/15/2024 21:32	229445
Chromium	NELAP	0.7	1.5	J	**0.8**	µg/L	5	10/10/2024 20:28	229445
Cobalt	NELAP	0.1	1.0	J	**0.7**	µg/L	5	10/16/2024 21:18	229445
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/14/2024 13:51	229445
Lithium	*	1.4	3.0		**8.8**	µg/L	5	10/16/2024 21:18	229445
Molybdenum	NELAP	0.6	1.5		**4.6**	µg/L	5	10/16/2024 21:18	229445
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/10/2024 20:28	229445
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/10/2024 20:28	229445
CCV recovered outside the upper control limits for Be. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/10/2024 12:35	229476

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-013 **Client Sample ID:** APW10

Matrix: GROUNDWATER **Collection Date:** 10/01/2024 11:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**18.86**	ft	1	10/01/2024 11:58	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**28**	NTU	1	10/01/2024 11:58	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**42**	mV	1	10/01/2024 11:58	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1460**	µS/cm	1	10/01/2024 11:58	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.3**	°C	1	10/01/2024 11:58	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.78**	mg/L	1	10/01/2024 11:58	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**7.46**		1	10/01/2024 11:58	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**421**	mg/L	1	10/07/2024 11:23	R354253
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/07/2024 11:23	R354253
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1040**	mg/L	2.5	10/08/2024 10:33	R354396
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.23**	mg/L	10	10/05/2024 8:10	R354124
Chloride	NELAP	1.00	5.00		**43.5**	mg/L	10	10/05/2024 8:10	R354124
Sulfate	NELAP	3.00	10.0		**408**	mg/L	10	10/05/2024 8:10	R354124
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	**154**	mg/L	1	10/07/2024 14:43	229297
Magnesium	NELAP	0.006	0.050	S	**72.3**	mg/L	1	10/07/2024 14:43	229297
Potassium	NELAP	0.040	0.100		**2.14**	mg/L	1	10/07/2024 14:43	229297
Sodium	NELAP	0.018	0.050	S	**123**	mg/L	1	10/07/2024 14:43	229297
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/08/2024 9:29	229297
Arsenic	NELAP	0.4	1.0		**9.9**	µg/L	5	10/07/2024 19:07	229297
Barium	NELAP	0.7	1.0		**30.5**	µg/L	5	10/07/2024 19:07	229297
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 19:07	229297
Boron	NELAP	9.2	25.0		**80.4**	µg/L	5	10/07/2024 19:07	229297
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 19:07	229297
Chromium	NELAP	0.7	1.5		**2.0**	µg/L	5	10/07/2024 19:07	229297
Cobalt	NELAP	0.1	1.0	J	**0.9**	µg/L	5	10/07/2024 19:07	229297
Lead	NELAP	0.6	1.0	J	**0.7**	µg/L	5	10/07/2024 19:07	229297
Lithium	*	1.4	3.0		**23.6**	µg/L	5	10/07/2024 19:07	229297
Molybdenum	NELAP	0.6	1.5		**6.5**	µg/L	5	10/07/2024 19:07	229297
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 19:07	229297
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/07/2024 19:07	229297
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/07/2024 10:18	229313

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-014 **Client Sample ID:** APW11

Matrix: GROUNDWATER **Collection Date:** 10/01/2024 10:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**25.16**	ft	1	10/01/2024 10:25	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**86**	NTU	1	10/01/2024 10:25	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**3**	mV	1	10/01/2024 10:25	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1210**	µS/cm	1	10/01/2024 10:25	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.0**	°C	1	10/01/2024 10:25	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.17**	mg/L	1	10/01/2024 10:25	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**7.61**		1	10/01/2024 10:25	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**421**	mg/L	1	10/07/2024 11:31	R354253
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/07/2024 11:31	R354253
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50	H	**825**	mg/L	2.5	10/08/2024 10:33	R354396
Sample analysis did not meet hold time requirements.									
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.21**	mg/L	10	10/05/2024 8:22	R354124
Chloride	NELAP	1.00	5.00		**24.1**	mg/L	10	10/05/2024 8:22	R354124
Sulfate	NELAP	3.00	10.0		**280**	mg/L	10	10/05/2024 8:22	R354124
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**137**	mg/L	1	10/07/2024 15:17	229297
Magnesium	NELAP	0.006	0.050		**61.0**	mg/L	1	10/07/2024 15:17	229297
Potassium	NELAP	0.040	0.100		**1.77**	mg/L	1	10/07/2024 15:17	229297
Sodium	NELAP	0.018	0.050		**95.1**	mg/L	1	10/07/2024 15:17	229297
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/09/2024 10:43	229297
Arsenic	NELAP	0.4	1.0		**5.4**	µg/L	5	10/07/2024 19:50	229297
Barium	NELAP	0.7	1.0		**36.9**	µg/L	5	10/07/2024 19:50	229297
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 19:50	229297
Boron	NELAP	9.2	25.0		**62.8**	µg/L	5	10/10/2024 10:35	229297
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 19:50	229297
Chromium	NELAP	0.7	1.5	J	**0.8**	µg/L	5	10/07/2024 19:50	229297
Cobalt	NELAP	0.1	1.0	J	**0.3**	µg/L	5	10/07/2024 19:50	229297
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 19:50	229297
Lithium	*	1.4	3.0		**22.3**	µg/L	5	10/07/2024 19:50	229297
Molybdenum	NELAP	0.6	1.5		**4.3**	µg/L	5	10/07/2024 19:50	229297
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 19:50	229297
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/07/2024 19:50	229297
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/07/2024 10:25	229313

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-015 **Client Sample ID:** APW12

Matrix: GROUNDWATER **Collection Date:** 10/01/2024 11:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.38**	ft	1	10/01/2024 11:03	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.4**	NTU	1	10/01/2024 11:03	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**97**	mV	1	10/01/2024 11:03	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2080**	µS/cm	1	10/01/2024 11:03	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.1**	°C	1	10/01/2024 11:03	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.07**	mg/L	1	10/01/2024 11:03	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**7.36**		1	10/01/2024 11:03	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**608**	mg/L	1	10/07/2024 11:39	R354253
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/07/2024 11:39	R354253
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1850**	mg/L	1	10/08/2024 10:53	R354396
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	10/05/2024 8:34	R354124
Chloride	NELAP	1.00	5.00		**27.6**	mg/L	10	10/05/2024 8:34	R354124
Sulfate	NELAP	3.00	10.0		**829**	mg/L	10	10/05/2024 8:34	R354124
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**290**	mg/L	1	10/07/2024 15:19	229297
Magnesium	NELAP	0.006	0.050		**138**	mg/L	1	10/07/2024 15:19	229297
Potassium	NELAP	0.040	0.100		**1.45**	mg/L	1	10/07/2024 15:19	229297
Sodium	NELAP	0.018	0.050		**158**	mg/L	1	10/07/2024 15:19	229297
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.6**	µg/L	5	10/08/2024 10:26	229297
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/07/2024 19:56	229297
Barium	NELAP	0.7	1.0		**31.8**	µg/L	5	10/07/2024 19:56	229297
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 19:56	229297
Boron	NELAP	9.2	25.0		**793**	µg/L	5	10/10/2024 10:41	229297
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 19:56	229297
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	10/07/2024 19:56	229297
Cobalt	NELAP	0.1	1.0		**1.0**	µg/L	5	10/07/2024 19:56	229297
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 19:56	229297
Lithium	*	1.4	3.0		**31.3**	µg/L	5	10/07/2024 19:56	229297
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	10/07/2024 19:56	229297
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 19:56	229297
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/07/2024 19:56	229297
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/07/2024 14:45	229315

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-016 **Client Sample ID:** APW13

Matrix: GROUNDWATER **Collection Date:** 10/01/2024 12:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**33.40**	ft	1	10/01/2024 12:47	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**110**	NTU	1	10/01/2024 12:47	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-80**	mV	1	10/01/2024 12:47	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1350**	µS/cm	1	10/01/2024 12:47	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.8**	°C	1	10/01/2024 12:47	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.81**	mg/L	1	10/01/2024 12:47	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**7.53**		1	10/01/2024 12:47	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**486**	mg/L	1	10/07/2024 11:48	R354253
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/07/2024 11:48	R354253
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**830**	mg/L	2.5	10/08/2024 10:53	R354396
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.28**	mg/L	10	10/05/2024 8:45	R354124
Chloride	NELAP	1.00	5.00		**51.0**	mg/L	10	10/05/2024 8:45	R354124
Sulfate	NELAP	3.00	10.0		**244**	mg/L	10	10/05/2024 8:45	R354124
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**137**	mg/L	1	10/07/2024 15:21	229297
Magnesium	NELAP	0.006	0.050		**67.7**	mg/L	1	10/07/2024 15:21	229297
Potassium	NELAP	0.040	0.100		**2.16**	mg/L	1	10/07/2024 15:21	229297
Sodium	NELAP	0.018	0.050		**136**	mg/L	1	10/07/2024 15:21	229297
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.5**	µg/L	5	10/08/2024 10:32	229297
Arsenic	NELAP	0.4	1.0		**4.7**	µg/L	5	10/07/2024 20:02	229297
Barium	NELAP	0.7	1.0		**55.0**	µg/L	5	10/07/2024 20:02	229297
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 20:02	229297
Boron	NELAP	9.2	25.0		**113**	µg/L	5	10/10/2024 10:47	229297
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 20:02	229297
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	10/07/2024 20:02	229297
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	10/07/2024 20:02	229297
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 20:02	229297
Lithium	*	1.4	3.0		**26.0**	µg/L	5	10/07/2024 20:02	229297
Molybdenum	NELAP	0.6	1.5		**6.5**	µg/L	5	10/07/2024 20:02	229297
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 20:02	229297
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/07/2024 20:02	229297
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/07/2024 14:52	229315

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-017 **Client Sample ID:** APW14

Matrix: GROUNDWATER **Collection Date:** 10/01/2024 13:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**22.01**	ft	1	10/01/2024 13:33	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**95**	NTU	1	10/01/2024 13:33	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-114**	mV	1	10/01/2024 13:33	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1440**	µS/cm	1	10/01/2024 13:33	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.3**	°C	1	10/01/2024 13:33	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.83**	mg/L	1	10/01/2024 13:33	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**6.96**		1	10/01/2024 13:33	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**459**	mg/L	1	10/07/2024 12:42	R354253
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/07/2024 12:42	R354253
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**910**	mg/L	2.5	10/08/2024 10:54	R354396
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.22**	mg/L	10	10/05/2024 8:57	R354124
Chloride	NELAP	1.00	5.00		**41.0**	mg/L	10	10/05/2024 8:57	R354124
Sulfate	NELAP	3.00	10.0		**361**	mg/L	10	10/05/2024 8:57	R354124
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**151**	mg/L	1	10/07/2024 15:22	229297
Magnesium	NELAP	0.006	0.050		**73.4**	mg/L	1	10/07/2024 15:22	229297
Potassium	NELAP	0.040	0.100		**1.81**	mg/L	1	10/07/2024 15:22	229297
Sodium	NELAP	0.018	0.050		**139**	mg/L	1	10/07/2024 15:22	229297
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/08/2024 10:38	229297
Arsenic	NELAP	0.4	1.0		**7.1**	µg/L	5	10/07/2024 20:08	229297
Barium	NELAP	0.7	1.0		**50.0**	µg/L	5	10/07/2024 20:08	229297
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 20:08	229297
Boron	NELAP	9.2	25.0		**95.1**	µg/L	5	10/10/2024 10:53	229297
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 20:08	229297
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	10/07/2024 20:08	229297
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	10/07/2024 20:08	229297
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 20:08	229297
Lithium	*	1.4	3.0		**19.4**	µg/L	5	10/07/2024 20:08	229297
Molybdenum	NELAP	0.6	1.5		**3.6**	µg/L	5	10/07/2024 20:08	229297
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 20:08	229297
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/07/2024 20:08	229297
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/08/2024 11:06	229358

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-018 **Client Sample ID:** APW15

Matrix: GROUNDWATER **Collection Date:** 10/01/2024 14:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**21.33**	ft	1	10/01/2024 14:26	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**260**	NTU	1	10/01/2024 14:26	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-124**	mV	1	10/01/2024 14:26	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1910**	µS/cm	1	10/01/2024 14:26	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.9**	°C	1	10/01/2024 14:26	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.77**	mg/L	1	10/01/2024 14:26	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**7.27**		1	10/01/2024 14:26	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**739**	mg/L	1	10/07/2024 10:24	R354253
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/07/2024 10:24	R354253
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1130**	mg/L	2.5	10/08/2024 10:54	R354396
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.36**	mg/L	10	10/05/2024 9:09	R354124
Chloride	NELAP	1.00	5.00		**263**	mg/L	10	10/05/2024 9:09	R354124
Sulfate	NELAP	3.00	10.0		**ND**	mg/L	10	10/05/2024 9:09	R354124
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**105**	mg/L	1	10/07/2024 15:24	229297
Magnesium	NELAP	0.006	0.050		**42.1**	mg/L	1	10/07/2024 15:24	229297
Potassium	NELAP	0.040	0.100		**4.26**	mg/L	1	10/07/2024 15:24	229297
Sodium	NELAP	0.018	0.050		**320**	mg/L	1	10/07/2024 15:24	229297
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/08/2024 10:44	229297
Arsenic	NELAP	0.4	1.0		**28.3**	µg/L	5	10/07/2024 20:14	229297
Barium	NELAP	0.7	1.0		**584**	µg/L	5	10/07/2024 20:14	229297
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 20:14	229297
Boron	NELAP	9.2	25.0		**123**	µg/L	5	10/10/2024 10:59	229297
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 20:14	229297
Chromium	NELAP	0.7	1.5		**3.5**	µg/L	5	10/07/2024 20:14	229297
Cobalt	NELAP	0.1	1.0		**1.3**	µg/L	5	10/07/2024 20:14	229297
Lead	NELAP	0.6	1.0	J	**1.0**	µg/L	5	10/07/2024 20:14	229297
Lithium	*	1.4	3.0		**6.4**	µg/L	5	10/07/2024 20:14	229297
Molybdenum	NELAP	0.6	1.5		**3.9**	µg/L	5	10/07/2024 20:14	229297
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 20:14	229297
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/07/2024 20:14	229297
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/08/2024 11:08	229358

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-019 **Client Sample ID:** APW16

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 9:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**40.74**	ft	1	10/02/2024 9:05	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.9**	NTU	1	10/02/2024 9:05	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-131**	mV	1	10/02/2024 9:05	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1250**	µS/cm	1	10/02/2024 9:05	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.9**	°C	1	10/02/2024 9:05	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.06**	mg/L	1	10/02/2024 9:05	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**7.46**		1	10/02/2024 9:05	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**661**	mg/L	1	10/07/2024 10:33	R354253
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/07/2024 10:33	R354253
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**730**	mg/L	2.5	10/08/2024 10:54	R354396
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**0.68**	mg/L	10	10/05/2024 9:20	R354124
Chloride	NELAP	1.00	5.00		**66.7**	mg/L	10	10/05/2024 9:20	R354124
Sulfate	NELAP	3.00	10.0		**ND**	mg/L	10	10/05/2024 9:20	R354124
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**108**	mg/L	1	10/07/2024 15:25	229297
Magnesium	NELAP	0.006	0.050		**46.6**	mg/L	1	10/07/2024 15:25	229297
Potassium	NELAP	0.040	0.100		**2.29**	mg/L	1	10/07/2024 15:25	229297
Sodium	NELAP	0.018	0.050		**148**	mg/L	1	10/07/2024 15:25	229297
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/08/2024 10:50	229297
Arsenic	NELAP	0.4	1.0		**24.3**	µg/L	5	10/07/2024 20:20	229297
Barium	NELAP	0.7	1.0		**582**	µg/L	5	10/07/2024 20:20	229297
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 20:20	229297
Boron	NELAP	9.2	25.0		**125**	µg/L	5	10/10/2024 11:05	229297
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 20:20	229297
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	10/07/2024 20:20	229297
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	10/07/2024 20:20	229297
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 20:20	229297
Lithium	*	1.4	3.0	J	**2.7**	µg/L	5	10/07/2024 20:20	229297
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	10/07/2024 20:20	229297
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 20:20	229297
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/07/2024 20:20	229297
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/08/2024 11:10	229358

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-020 **Client Sample ID:** APW17

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 10:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**41.90**	ft	1	10/02/2024 10:18	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**27**	NTU	1	10/02/2024 10:18	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-113**	mV	1	10/02/2024 10:18	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1120**	µS/cm	1	10/02/2024 10:18	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.1**	°C	1	10/02/2024 10:18	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.28**	mg/L	1	10/02/2024 10:18	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**6.91**		1	10/02/2024 10:18	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**547**	mg/L	1	10/07/2024 10:43	R354253
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/07/2024 10:43	R354253
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**655**	mg/L	2.5	10/08/2024 10:55	R354396
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.45**	mg/L	10	10/05/2024 9:32	R354124
Chloride	NELAP	1.00	5.00		**52.2**	mg/L	10	10/05/2024 9:32	R354124
Sulfate	NELAP	3.00	10.0		**59.0**	mg/L	10	10/05/2024 9:32	R354124
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**124**	mg/L	1	10/07/2024 15:27	229297
Magnesium	NELAP	0.006	0.050		**51.2**	mg/L	1	10/07/2024 15:27	229297
Potassium	NELAP	0.040	0.100		**2.04**	mg/L	1	10/07/2024 15:27	229297
Sodium	NELAP	0.018	0.050		**92.9**	mg/L	1	10/07/2024 15:27	229297
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/08/2024 10:56	229297
Arsenic	NELAP	0.4	1.0		**23.5**	µg/L	5	10/07/2024 20:26	229297
Barium	NELAP	0.7	1.0		**587**	µg/L	5	10/07/2024 20:26	229297
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 20:26	229297
Boron	NELAP	9.2	25.0		**79.9**	µg/L	5	10/10/2024 11:11	229297
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 20:26	229297
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	10/07/2024 20:26	229297
Cobalt	NELAP	0.1	1.0	J	**0.1**	µg/L	5	10/07/2024 20:26	229297
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 20:26	229297
Lithium	*	1.4	3.0	J	**2.1**	µg/L	5	10/07/2024 20:26	229297
Molybdenum	NELAP	0.6	1.5		**5.0**	µg/L	5	10/07/2024 20:26	229297
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 20:26	229297
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/07/2024 20:26	229297
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/08/2024 11:12	229360

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-021 **Client Sample ID:** APW18

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**52.36**	ft	1	10/02/2024 11:21	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**120**	NTU	1	10/02/2024 11:21	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-188**	mV	1	10/02/2024 11:21	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**972**	µS/cm	1	10/02/2024 11:21	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.5**	°C	1	10/02/2024 11:21	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.90**	mg/L	1	10/02/2024 11:21	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**7.05**		1	10/02/2024 11:21	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**516**	mg/L	1	10/07/2024 10:51	R354253
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/07/2024 10:51	R354253
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**620**	mg/L	1	10/08/2024 11:19	R354396
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.49**	mg/L	10	10/05/2024 9:44	R354124
Chloride	NELAP	1.00	5.00		**22.9**	mg/L	10	10/05/2024 9:44	R354124
Sulfate	NELAP	3.00	10.0		**41.3**	mg/L	10	10/05/2024 9:44	R354124
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**82.7**	mg/L	1	10/07/2024 15:38	229297
Magnesium	NELAP	0.006	0.050		**39.7**	mg/L	1	10/07/2024 15:38	229297
Potassium	NELAP	0.040	0.100		**2.25**	mg/L	1	10/07/2024 15:38	229297
Sodium	NELAP	0.018	0.050		**106**	mg/L	1	10/07/2024 15:38	229297
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/08/2024 11:02	229297
Arsenic	NELAP	0.4	1.0		**1.6**	µg/L	5	10/07/2024 20:32	229297
Barium	NELAP	0.7	1.0		**362**	µg/L	5	10/07/2024 20:32	229297
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 20:32	229297
Boron	NELAP	9.2	25.0		**103**	µg/L	5	10/10/2024 11:48	229297
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/07/2024 20:32	229297
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	10/07/2024 20:32	229297
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	10/07/2024 20:32	229297
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 20:32	229297
Lithium	*	1.4	3.0		**5.6**	µg/L	5	10/07/2024 20:32	229297
Molybdenum	NELAP	0.6	1.5		**2.9**	µg/L	5	10/07/2024 20:32	229297
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/07/2024 20:32	229297
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/07/2024 20:32	229297
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/08/2024 11:19	229360

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24091272
Client Project: NEW-24Q4
Report Date: 12-Nov-24
Lab ID: 24091272-069
Client Sample ID: SG02
Matrix: GROUNDWATER
Collection Date: 10/01/2024 9:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**3.14**	ft	1	10/01/2024 9:47	R354753

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24091272
Client Project: NEW-24Q4
Report Date: 12-Nov-24
Lab ID: 24091272-076
Client Sample ID: XSG01
Matrix: GROUNDWATER
Collection Date: 10/01/2024 9:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.49**	ft	1	10/01/2024 9:30	R354753

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-077 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 10/08/2024 12:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**5**	mg/L	1	10/09/2024 10:15	R354395
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/09/2024 10:15	R354395
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	10/11/2024 11:23	R354573
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	10/09/2024 23:38	R354345
Chloride	NELAP	1.00	5.00		**ND**	mg/L	10	10/09/2024 23:38	R354345
Sulfate	NELAP	3.00	10.0		**ND**	mg/L	10	10/09/2024 23:38	R354345
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	**0.047**	mg/L	1	10/10/2024 16:12	229445
Magnesium	NELAP	0.006	0.050	J	**0.008**	mg/L	1	10/10/2024 16:12	229445
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	10/10/2024 16:12	229445
Sodium	NELAP	0.018	0.050	J	**0.036**	mg/L	1	10/10/2024 16:12	229445
Contamination present in the CCB for Na. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/10/2024 20:34	229445
Arsenic	NELAP	0.4	1.0	J	**0.5**	µg/L	5	10/15/2024 21:44	229445
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	10/10/2024 20:34	229445
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/15/2024 21:44	229445
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	10/15/2024 21:44	229445
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/15/2024 21:44	229445
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	10/10/2024 20:34	229445
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	10/15/2024 21:44	229445
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/14/2024 14:03	229445
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	10/15/2024 21:44	229445
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	10/15/2024 21:44	229445
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/10/2024 20:34	229445
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/10/2024 20:34	229445
Contamination present in the CCB for Mo. Sample results below the reporting limit are reportable per the TNI Standard.									
CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/10/2024 13:00	229476

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-079 **Client Sample ID:** APW02 Duplicate

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 10:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.12**	ft	1	10/02/2024 10:49	R354753
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**65**	NTU	1	10/02/2024 10:49	R354753
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**19**	mV	1	10/02/2024 10:49	R354753
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**4820**	µS/cm	1	10/02/2024 10:49	R354753
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.5**	°C	1	10/02/2024 10:49	R354753
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.62**	mg/L	1	10/02/2024 10:49	R354753
SW-846 9040B FIELD									
pH	*	0	1.00		**6.11**		1	10/02/2024 10:49	R354753
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**597**	mg/L	1	10/07/2024 10:16	R354253
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/07/2024 10:16	R354253
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**3960**	mg/L	1	10/08/2024 11:43	R354396
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	10/05/2024 11:29	R354124
Chloride	NELAP	1.00	5.00		**98.0**	mg/L	10	10/05/2024 11:29	R354124
Sulfate	NELAP	3.00	10.0		**3050**	mg/L	10	10/05/2024 11:29	R354124
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**518**	mg/L	1	10/08/2024 13:24	229350
Magnesium	NELAP	0.006	0.050		**460**	mg/L	1	10/08/2024 13:24	229350
Potassium	NELAP	0.040	0.100		**7.62**	mg/L	1	10/08/2024 13:24	229350
Sodium	NELAP	0.018	0.050		**452**	mg/L	1	10/08/2024 13:24	229350
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**1.0**	µg/L	5	10/08/2024 13:43	229350
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/09/2024 10:37	229350
Barium	NELAP	0.7	1.0		**11.9**	µg/L	5	10/08/2024 13:43	229350
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/10/2024 10:29	229350
Boron	NELAP	9.2	25.0		**98.3**	µg/L	5	10/10/2024 10:29	229350
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/09/2024 10:37	229350
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	10/10/2024 10:29	229350
Cobalt	NELAP	0.1	1.0	J	**0.9**	µg/L	5	10/10/2024 10:29	229350
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/08/2024 13:43	229350
Lithium	*	1.4	3.0		**93.0**	µg/L	5	10/10/2024 10:29	229350
Molybdenum	NELAP	0.6	1.5	J	**1.3**	µg/L	5	10/09/2024 10:37	229350
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/09/2024 10:37	229350
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/08/2024 13:43	229350
Contamination present in the CCB for Sb. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/08/2024 13:45	229364

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

Lab ID: 24091272-083 **Client Sample ID:** Equipment Blank 2

Matrix: AQUEOUS **Collection Date:** 10/08/2024 12:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**5**	mg/L	1	10/09/2024 10:27	R354395
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/09/2024 10:27	R354395
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	10/11/2024 11:24	R354573
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	10/10/2024 0:37	R354345
Chloride	NELAP	1.00	5.00		**ND**	mg/L	10	10/10/2024 0:37	R354345
Sulfate	NELAP	3.00	10.0		**ND**	mg/L	10	10/10/2024 0:37	R354345
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**1.30**	mg/L	1	10/10/2024 16:12	229445
Magnesium	NELAP	0.006	0.050		**0.485**	mg/L	1	10/10/2024 16:12	229445
Potassium	NELAP	0.040	0.10	J	**0.065**	mg/L	1	10/10/2024 16:12	229445
Sodium	NELAP	0.045	0.050		**0.193**	mg/L	1	10/11/2024 17:37	229445
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.7**	µg/L	5	10/21/2024 9:20	229445
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	10/15/2024 21:50	229445
Barium	NELAP	0.7	1.0		**4.8**	µg/L	5	10/15/2024 21:50	229445
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/15/2024 21:50	229445
Boron	NELAP	9.2	25	J	**12**	µg/L	5	10/15/2024 21:50	229445
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	10/15/2024 21:50	229445
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	10/31/2024 19:41	230351
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	10/15/2024 21:50	229445
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/14/2024 15:05	229445
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	10/15/2024 21:50	229445
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	10/15/2024 21:50	229445
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	10/15/2024 21:50	229445
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	10/14/2024 15:05	229445

Contamination present in the CCB for Sb. Sample results below the reporting limit are reportable per the TNI Standard.

Contamination present in the CCB for Mo. Sample results below the reporting limit are reportable per the TNI Standard.

CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	10/10/2024 13:09	229476

Teklab, Inc.
Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: NEW-24Q4

Work Order: 24091272
Report Date: 12-Nov-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24091272-004	APW02	Groundwater	4	10/02/2024 10:49
24091272-005	APW03	Groundwater	4	10/07/2024 11:23
24091272-006	APW04	Groundwater	4	10/07/2024 12:23
24091272-007	APW05	Groundwater	3	10/02/2024 11:46
24091272-008	APW05S	Groundwater	3	10/02/2024 12:18
24091272-009	APW06	Groundwater	3	10/08/2024 9:33
24091272-010	APW07	Groundwater	3	10/08/2024 10:05
24091272-011	APW08	Groundwater	3	10/02/2024 9:35
24091272-012	APW09	Groundwater	3	10/08/2024 11:51
24091272-013	APW10	Groundwater	3	10/01/2024 11:58
24091272-014	APW11	Groundwater	3	10/01/2024 10:25
24091272-015	APW12	Groundwater	3	10/01/2024 11:03
24091272-016	APW13	Groundwater	3	10/01/2024 12:47
24091272-017	APW14	Groundwater	3	10/01/2024 13:33
24091272-018	APW15	Groundwater	3	10/01/2024 14:26
24091272-019	APW16	Groundwater	3	10/02/2024 9:05
24091272-020	APW17	Groundwater	3	10/02/2024 10:18
24091272-021	APW18	Groundwater	3	10/02/2024 11:21
24091272-069	SG02	Groundwater	1	10/01/2024 9:47
24091272-076	XSG01	Groundwater	1	10/01/2024 9:30
24091272-077	Field Blank	Aqueous	14	10/08/2024 12:06
24091272-079	APW02 Duplicate	Groundwater	4	10/02/2024 10:49
24091272-083	Equipment Blank 2	Aqueous	14	10/08/2024 12:50

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

STANDARD METHODS 2510 B FIELD

Batch R354753 **SampType:** LCS Units **µS/cm**
SampID: LCS-1-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	10/01/2024

Batch R354753 **SampType:** LCS Units **µS/cm**
SampID: LCS-1-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	10/02/2024

Batch R354753 **SampType:** LCS Units **µS/cm**
SampID: LCS-2-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	10/02/2024

Batch R354753 **SampType:** LCS Units **µS/cm**
SampID: LCS-2-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	10/03/2024

Batch R354753 **SampType:** LCS Units **µS/cm**
SampID: LCS-3-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	10/03/2024

Batch R354753 **SampType:** LCS Units **µS/cm**
SampID: LCS-3-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.6	90	110	10/07/2024

Batch R354753 **SampType:** LCS Units **µS/cm**
SampID: LCS-4-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	10/07/2024

Batch R354753 **SampType:** LCS Units **µS/cm**
SampID: LCS-4-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	10/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

STANDARD METHODS 2510 B FIELD

Batch R354753 **SampType:** LCS Units **µS/cm**
SampID: LCS-5-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	10/08/2024

SW-846 9040B FIELD

Batch R354753 **SampType:** LCS Units
SampID: LCS-1-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	10/01/2024

Batch R354753 **SampType:** LCS Units
SampID: LCS-1-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.08**	7.000	0	101.1	98.57	101.4	10/02/2024

Batch R354753 **SampType:** LCS Units
SampID: LCS-2-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	10/02/2024

Batch R354753 **SampType:** LCS Units
SampID: LCS-2-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.10**	7.000	0	101.4	98.57	101.4	10/03/2024

Batch R354753 **SampType:** LCS Units
SampID: LCS-3-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	10/03/2024

Batch R354753 **SampType:** LCS Units
SampID: LCS-3-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 9040B FIELD

Batch R354753 **SampType:** LCS Units

SampID: LCS-4-JC

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	10/07/2024

Batch R354753 **SampType:** LCS Units

SampID: LCS-4-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.08**	7.000	0	101.1	98.57	101.4	10/08/2024

Batch R354753 **SampType:** LCS Units

SampID: LCS-5-JC

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	10/08/2024

EPA 600 350.1 (DISSOLVED)

Batch R354239 **SampType:** MS Units **mg/L**

SampID: 24100354-006GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**3.66**	4.000	0	91.5	90	110	10/07/2024

Batch R354239 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24100354-006GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**3.72**	4.000	0	93.0	3.660	1.60	10/07/2024

Batch R354377 **SampType:** MS Units **mg/L**

SampID: 24091272-066KMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**26.4**	20.00	7.703	93.7	90	110	10/09/2024

Batch R354377 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24091272-066KMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**26.4**	20.00	7.703	93.6	26.44	0.09	10/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

EPA 600 350.1 (TOTAL)

Batch R354165 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	10/04/2024

Batch R354165 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**0.98**	1.000	0	98.3	90	110	10/04/2024

Batch R354165 **SampType:** MS Units **mg/L**
SampID: 24100178-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0.05500	91.5	90	110	10/04/2024

Batch R354165 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100178-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0.05500	91.4	1.885	0.16	10/04/2024

Batch R354165 **SampType:** MS Units **mg/L**
SampID: 24100229-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**21.6**	20.00	3.461	90.8	90	110	10/04/2024

Batch R354165 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100229-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**22.0**	20.00	3.461	92.4	21.62	1.54	10/04/2024

Batch R354165 **SampType:** MS Units **mg/L**
SampID: 24100249-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.84**	2.000	0	92.0	90	110	10/04/2024

Batch R354165 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100249-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.83**	2.000	0	91.3	1.839	0.71	10/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

EPA 600 350.1 (TOTAL)

Batch R354165 **SampType:** MS Units **mg/L**
SampID: 24100277-001FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.96**	2.000	0.3030	83.0	90	110	10/04/2024

Batch R354165 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100277-001FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**2.01**	2.000	0.3030	85.4	1.963	2.47	10/04/2024

Batch R354165 **SampType:** MS Units **mg/L**
SampID: 24100361-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.86**	2.000	0.02800	91.5	90	110	10/04/2024

Batch R354165 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100361-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0.02800	92.4	1.858	0.96	10/04/2024

Batch R354165 **SampType:** MS Units **mg/L**
SampID: 24100369-002FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.92**	2.000	0.2950	81.2	90	110	10/04/2024

Batch R354165 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100369-002FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.97**	2.000	0.2950	83.9	1.920	2.72	10/04/2024

Batch R354165 **SampType:** MS Units **mg/L**
SampID: 24100371-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**2.04**	2.000	0.2480	89.4	90	110	10/04/2024

Batch R354165 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100371-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.06**	2.000	0.2480	90.4	2.036	0.98	10/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

EPA 600 350.1 (TOTAL)

Batch R354165 **SampType:** MS Units **mg/L**
SampID: 24100440-002EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**2.16**	2.000	0.3900	88.4	90	110	10/04/2024

Batch R354165 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100440-002EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**2.18**	2.000	0.3900	89.6	2.158	1.11	10/04/2024

Batch R354239 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	10/07/2024

Batch R354239 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.01**	1.000	0	101.3	90	110	10/07/2024

Batch R354239 **SampType:** MS Units **mg/L**
SampID: 24100457-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.91**	2.000	0.03700	93.4	90	110	10/07/2024

Batch R354239 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100457-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.93**	2.000	0.03700	94.7	1.906	1.30	10/07/2024

Batch R354239 **SampType:** MS Units **mg/L**
SampID: 24100473-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.01**	2.000	0.1330	94.1	90	110	10/07/2024

Batch R354239 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100473-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.99**	2.000	0.1330	93.0	2.014	1.05	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

EPA 600 350.1 (TOTAL)

Batch R354239 **SampType:** MS Units **mg/L**
SampID: 24100473-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.98**	2.000	0.09900	94.1	90	110	10/07/2024

Batch R354239 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100473-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.98**	2.000	0.09900	94.0	1.981	0.10	10/07/2024

Batch R354239 **SampType:** MS Units **mg/L**
SampID: 24100474-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.93**	2.000	1.053	93.8	90	110	10/07/2024

Batch R354239 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100474-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.93**	2.000	1.053	94.0	2.929	0.17	10/07/2024

Batch R354239 **SampType:** MS Units **mg/L**
SampID: 24100474-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.08**	2.000	1.192	94.3	90	110	10/07/2024

Batch R354239 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100474-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.08**	2.000	1.192	94.6	3.078	0.23	10/07/2024

Batch R354239 **SampType:** MS Units **mg/L**
SampID: 24100480-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.90**	2.000	0	95.2	90	110	10/07/2024

Batch R354239 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100480-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.90**	2.000	0	95.1	1.903	0.05	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

EPA 600 350.1 (TOTAL)

Batch R354239 **SampType:** MS Units **mg/L**
SampID: 24100536-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.89**	2.000	0	94.6	90	110	10/07/2024

Batch R354239 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100536-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.91**	2.000	0	95.6	1.893	1.05	10/07/2024

Batch R354377 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	10/09/2024

Batch R354377 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.07**	1.000	0	107.2	90	110	10/09/2024

Batch R354377 **SampType:** MS Units **mg/L**
SampID: 24092062-001IMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		200		**6480**	4000	2738	93.5	90	110	10/09/2024

Batch R354377 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24092062-001IMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		200		**6610**	4000	2738	96.9	6477	2.08	10/09/2024

Batch R354377 **SampType:** MS Units **mg/L**
SampID: 24100608-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.93**	2.000	0	96.7	90	110	10/09/2024

Batch R354377 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100608-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.90**	2.000	0	95.0	1.934	1.77	10/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

EPA 600 350.1 (TOTAL)

Batch R354377 **SampType:** MS Units **mg/L**
SampID: 24100632-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.21**	2.000	0.3220	94.4	90	110	10/09/2024

Batch R354377 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100632-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.20**	2.000	0.3220	93.9	2.210	0.45	10/09/2024

Batch R354377 **SampType:** MS Units **mg/L**
SampID: 24100655-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.11**	2.000	0.2280	93.9	90	110	10/09/2024

Batch R354377 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100655-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.12**	2.000	0.2280	94.7	2.106	0.76	10/09/2024

Batch R354377 **SampType:** MS Units **mg/L**
SampID: 24100661-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.23**	2.000	0.3570	93.8	90	110	10/09/2024

Batch R354377 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100661-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.17**	2.000	0.3570	90.8	2.234	2.72	10/09/2024

Batch R354377 **SampType:** MS Units **mg/L**
SampID: 24100732-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.89**	2.000	0.03100	92.8	90	110	10/09/2024

Batch R354377 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100732-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.89**	2.000	0.03100	92.8	1.887	0.05	10/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

EPA 600 350.1 (TOTAL)

Batch R354493 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	10/11/2024

Batch R354493 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.03**	1.000	0	102.5	90	110	10/11/2024

Batch R354493 **SampType:** MS Units **mg/L**
SampID: 24100831-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.11**	2.000	0.2690	92.0	90	110	10/11/2024

Batch R354493 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100831-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.11**	2.000	0.2690	92.2	2.108	0.19	10/11/2024

Batch R354493 **SampType:** MS Units **mg/L**
SampID: 24100833-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.85**	2.000	0	92.5	90	110	10/11/2024

Batch R354493 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100833-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.83**	2.000	0	91.6	1.850	1.03	10/11/2024

Batch R354493 **SampType:** MS Units **mg/L**
SampID: 24100862-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.90**	2.000	0.02900	93.5	90	110	10/11/2024

Batch R354493 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100862-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.90**	2.000	0.02900	93.5	1.899	0.00	10/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

EPA 600 350.1 (TOTAL)

Batch R354493 **SampType:** MS Units **mg/L**
SampID: 24100933-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0	93.7	90	110	10/11/2024

Batch R354493 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100933-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0	93.4	1.874	0.27	10/11/2024

Batch R354493 **SampType:** MS Units **mg/L**
SampID: 24100940-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**4.64**	2.000	2.749	94.4	90	110	10/11/2024

Batch R354493 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100940-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**4.61**	2.000	2.749	93.2	4.637	0.54	10/11/2024

Batch R354493 **SampType:** MS Units **mg/L**
SampID: 24101024-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0	95.8	90	110	10/11/2024

Batch R354493 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101024-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.89**	2.000	0	94.3	1.917	1.63	10/11/2024

Batch R354493 **SampType:** MS Units **mg/L**
SampID: 24101046-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.86**	2.000	0.03500	91.4	90	110	10/11/2024

Batch R354493 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101046-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0.03500	91.6	1.863	0.16	10/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

EPA 600 350.1 (TOTAL)

Batch R354493 **SampType:** MS Units **mg/L**
SampID: 24101051-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0	94.2	90	110	10/11/2024

Batch R354493 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101051-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.89**	2.000	0	94.4	1.884	0.16	10/11/2024

Batch R354493 **SampType:** MS Units **mg/L**
SampID: 24101075-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.16**	2.000	0.3040	92.8	90	110	10/11/2024

Batch R354493 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101075-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.17**	2.000	0.3040	93.1	2.159	0.32	10/11/2024

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R354396 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	10/08/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	10/08/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	10/08/2024

Batch R354396 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**958**	1000	0	95.8	90	110	10/08/2024
Total Dissolved Solids		20		**942**	1000	0	94.2	90	110	10/08/2024
Total Dissolved Solids		20		**950**	1000	0	95.0	90	110	10/08/2024

Batch R354396 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24091272-024ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**980**				996.0	1.62	10/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24091272
Client Project: NEW-24Q4
Report Date: 12-Nov-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R354396 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100454-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		100		**2580**				2530	1.96	10/08/2024

Batch R354452 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	10/09/2024

Batch R354452 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**956**	1000	0	95.6	90	110	10/09/2024

Batch R354452 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100661-005ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**370**				405.0	9.03	10/09/2024

Batch R354508 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	10/10/2024

Batch R354508 **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		**964**	1000	0	96.4	90	110	10/10/2024

Batch R354508 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100661-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**360**				380.0	5.41	10/10/2024

Batch R354573 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	10/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R354573 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**978**	1000	0	97.8	90	110	10/11/2024

Batch R354573 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100660-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		100		**3500**				3630	3.65	10/11/2024

Batch R355559 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	10/31/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	10/31/2024

Batch R355559 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**944**	1000	0	94.4	90	110	10/31/2024
Total Dissolved Solids		20		**954**	1000	0	95.4	90	110	10/31/2024

Batch R355559 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101487-002BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		67	H	**972**				939.1	3.48	10/31/2024

Batch R355559 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24102240-004BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**508**				480.0	5.67	10/31/2024

Batch R355559 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24102290-001BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**444**				488.0	9.44	10/31/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch R354181 **SampType:** MS Units **mg/L**
SampID: 24091272-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.45**	0.5000	0	90.2	85	115	10/05/2024

Batch R354181 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24091272-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	92.2	0.4510	2.19	10/05/2024

Batch R354181 **SampType:** MS Units **mg/L**
SampID: 24091272-056BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.0	85	115	10/04/2024

Batch R354181 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24091272-056BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	98.2	0.4950	0.81	10/04/2024

Batch R354181 **SampType:** MS Units **mg/L**
SampID: 24091272-070BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.0	85	115	10/04/2024

Batch R354181 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24091272-070BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.0	0.5000	0.00	10/04/2024

Batch R354242 **SampType:** MS Units **mg/L**
SampID: 24091272-028BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.45**	0.5000	0	90.8	85	115	10/07/2024

Batch R354242 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24091272-028BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	91.6	0.4540	0.88	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch R354242 **SampType:** MS Units **mg/L**
SampID: 24091272-080BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	92.2	85	115	10/07/2024

Batch R354242 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24091272-080BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	91.8	0.4610	0.43	10/07/2024

Batch R354322 **SampType:** MS Units **mg/L**
SampID: 24091272-039BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.2	85	115	10/08/2024

Batch R354322 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24091272-039BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.2	0.5010	0.00	10/08/2024

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R354181 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/04/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/05/2024

Batch R354181 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	97.2	90	110	10/04/2024
Nitrogen, Nitrite (as N)		0.05		**0.29**	0.3045	0	94.6	90	110	10/05/2024

Batch R354181 **SampType:** MS Units **mg/L**
SampID: 24100440-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.2	85	115	10/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R354181 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24100440-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.2	0.4960	0.00	10/04/2024

Batch R354242 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/07/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/07/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/07/2024

Batch R354242 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	101.5	90	110	10/07/2024
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	98.9	90	110	10/07/2024
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	101.5	90	110	10/07/2024

Batch R354242 **SampType:** MS Units **mg/L**

SampID: 24100570-002AMS

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	0.09600	87.6	85	115	10/07/2024

Batch R354242 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24100570-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0.09600	85.8	0.5340	1.70	10/07/2024

Batch R354242 **SampType:** MS Units **mg/L**

SampID: 24100599-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.6	85	115	10/07/2024

Batch R354242 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24100599-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.4	0.4730	0.21	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R354322 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/08/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/08/2024

Batch R354322 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	97.2	90	110	10/08/2024
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	100.8	90	110	10/08/2024

Batch R354322 **SampType:** MS Units **mg/L**
SampID: 24091272-003EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	92.8	85	115	10/08/2024

Batch R354322 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24091272-003EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	93.0	0.4640	0.22	10/08/2024

Batch R354322 **SampType:** MS Units **mg/L**
SampID: 24100753-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.55**	0.5000	0.05300	99.4	85	115	10/08/2024

Batch R354322 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100753-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.55**	0.5000	0.05300	99.6	0.5500	0.18	10/08/2024

Batch R354393 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/09/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R354393 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	104.1	90	110	10/09/2024
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	101.1	90	110	10/09/2024

Batch R354393 **SampType:** MS Units **mg/L**
SampID: 24100827-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0.02000	90.2	85	115	10/09/2024

Batch R354393 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100827-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0.02000	90.4	0.4710	0.21	10/09/2024

Batch R354393 **SampType:** MS Units **mg/L**
SampID: 24100891-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.44**	0.5000	0	87.8	85	115	10/09/2024

Batch R354393 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100891-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	93.4	0.4390	6.18	10/09/2024

STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

Batch R354208 **SampType:** MS Units **mg/L**
SampID: 24091272-049BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.236**	0.2500	0	94.4	85	115	10/04/2024

Batch R354208 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24091272-049BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.239**	0.2500	0	95.6	0.2360	1.26	10/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R354208 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						10/04/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	10/04/2024

Batch R354208 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.519**	0.5000	0	103.8	90	110	10/04/2024

Batch R354208 **SampType:** MS Units **mg/L**
SampID: 24100440-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.580**	0.2500	0.3540	90.4	85	115	10/04/2024

Batch R354208 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100440-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.595**	0.2500	0.3540	96.4	0.5800	2.55	10/04/2024

Batch R354282 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						10/07/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	10/07/2024

Batch R354282 **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		**0.497**	0.5000	0	99.4	90	110	10/07/2024

Batch R354282 **SampType:** MS Units **mg/L**
SampID: 24091272-078EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500	H	**4.40**	2.500	2.100	92.1	85	115	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R354282 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24091272-078EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500	H	**4.43**	2.500	2.100	93.2	4.402	0.63	10/07/2024

Batch R354282 **SampType:** MS Units **mg/L**
SampID: 24100475-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500	S	**4.92**	2.500	2.707	88.5	90	110	10/07/2024

Batch R354282 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100475-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**5.08**	2.500	2.707	94.8	4.920	3.12	10/07/2024

Batch R354282 **SampType:** MS Units **mg/L**
SampID: 24100475-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**5.99**	2.500	3.678	92.5	90	110	10/07/2024

Batch R354282 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100475-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**5.94**	2.500	3.678	90.6	5.990	0.77	10/07/2024

Batch R354282 **SampType:** MS Units **mg/L**
SampID: 24100570-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**44.8**	12.50	32.04	102.0	90	110	10/07/2024

Batch R354282 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100570-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**44.1**	12.50	32.04	96.2	44.79	1.62	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R354336 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						10/08/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	10/08/2024

Batch R354336 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.521**	0.5000	0	104.2	90	110	10/08/2024

Batch R354336 **SampType:** MS Units **mg/L**
SampID: 24100183-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.2**	5.000	5.217	99.9	90	110	10/08/2024

Batch R354336 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100183-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.4**	5.000	5.217	103.3	10.21	1.64	10/08/2024

Batch R354410 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						10/09/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	10/09/2024

Batch R354410 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.522**	0.5000	0	104.4	90	110	10/09/2024

Batch R354410 **SampType:** MS Units **mg/L**
SampID: 24100679-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		10.0		**65.9**	50.00	17.26	97.3	90	110	10/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R354410 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100679-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		10.0		**66.0**	50.00	17.26	97.5	65.89	0.16	10/09/2024

Batch R354410 **SampType:** MS Units **mg/L**
SampID: 24100715-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**33.9**	12.50	21.57	98.7	90	110	10/09/2024

Batch R354410 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100715-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**34.9**	12.50	21.57	106.6	33.91	2.86	10/09/2024

Batch R354410 **SampType:** MS Units **mg/L**
SampID: 24100723-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.242**	0.2500	0.01400	91.2	90	110	10/09/2024

Batch R354410 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100723-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.248**	0.2500	0.01400	93.6	0.2420	2.45	10/09/2024

Batch R354410 **SampType:** MS Units **mg/L**
SampID: 24100827-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**42.8**	12.50	30.09	101.8	90	110	10/09/2024

Batch R354410 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100827-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**42.5**	12.50	30.09	98.9	42.81	0.84	10/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R354258 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		50		**< 50**	17.00	0	0	-100	100	10/07/2024

Batch R354258 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		50		**121**	112.0	0	107.9	90	110	10/07/2024

Batch R354258 **SampType:** MS Units **mg/L**
SampID: 24100061-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1030**	1000	41.77	99.0	90	110	10/07/2024

Batch R354258 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100061-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1050**	1000	41.77	100.4	1032	1.27	10/07/2024

Batch R354258 **SampType:** MS Units **mg/L**
SampID: 24100339-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1100**	1000	0	109.8	90	110	10/07/2024

Batch R354258 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100339-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1060**	1000	0	106.3	1098	3.25	10/07/2024

Batch R354258 **SampType:** MS Units **mg/L**
SampID: 24100500-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1040**	1000	17.61	101.9	90	110	10/07/2024

Batch R354258 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100500-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1010**	1000	17.61	99.7	1037	2.14	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R354258 **SampType:** MS Units **mg/L**
SampID: 24100500-010CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1020**	1000	24.20	99.5	90	110	10/07/2024

Batch R354258 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100500-010CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1020**	1000	24.20	99.9	1019	0.43	10/07/2024

Batch R354318 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		50		**< 50**	17.00	0	0	-100	100	10/08/2024

Batch R354318 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		50		**108**	112.0	0	96.1	90	110	10/08/2024

Batch R354318 **SampType:** MS Units **mg/L**
SampID: 24100348-001KMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1020**	1000	30.79	98.8	90	110	10/08/2024

Batch R354318 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100348-001KMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1010**	1000	30.79	97.9	1019	0.87	10/08/2024

Batch R354318 **SampType:** MS Units **mg/L**
SampID: 24100568-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1040**	1000	57.14	97.9	90	110	10/08/2024

Batch R354318 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100568-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1030**	1000	57.14	97.1	1037	0.85	10/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24091272
Client Project: NEW-24Q4
Report Date: 12-Nov-24

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R354318 **SampType:** MS Units **mg/L**
SampID: 24100568-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**993**	1000	0	99.3	90	110	10/08/2024

Batch R354318 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100568-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1010**	1000	0	100.6	992.6	1.32	10/08/2024

Batch R354318 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24092239-006CDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		50		**< 50**				0	0.00	10/08/2024

Batch R354400 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		50		**< 50**	17.00	0	0	-100	100	10/09/2024

Batch R354400 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		50		**110**	112.0	0	98.1	90	110	10/09/2024

Batch R354400 **SampType:** MS Units **mg/L**
SampID: 24091272-083LMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**993**	1000	0	99.3	85	115	10/09/2024

Batch R354400 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24091272-083LMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**988**	1000	0	98.8	992.6	0.44	10/09/2024

Batch R354400 **SampType:** MS Units **mg/L**
SampID: 24100773-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1020**	1000	30.79	98.8	90	110	10/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R354400 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24100773-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1010**	1000	30.79	97.5	1019	1.30	10/09/2024

SW-846 9012A (TOTAL)

Batch 229355 **SampType:** MBLK Units **mg/L**

SampID: MBLK 241007 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	10/08/2024

Batch 229355 **SampType:** LCS Units **mg/L**

SampID: LCS 241007 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	103.4	90	110	10/08/2024

Batch 229355 **SampType:** MS Units **mg/L**

SampID: 24100349-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	90.1	90	110	10/08/2024

Batch 229355 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24100349-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	93.8	0.02254	3.98	10/08/2024

Batch 229355 **SampType:** MS Units **mg/L**

SampID: 24100465-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025	S	**0.153**	0.0250	0.1182	138.7	90	110	10/08/2024

Batch 229355 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24100465-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025	SR	**0.195**	0.0250	0.1182	308.3	0.1529	24.35	10/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 9012A (TOTAL)

Batch 229355 **SampType:** MS Units **mg/L**
SampID: 24100606-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.9	90	110	10/08/2024

Batch 229355 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100606-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.9	0.02624	0.08	10/08/2024

Batch 229413 **SampType:** MBLK Units **mg/L**
SampID: MBLK 241008 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	10/11/2024

Batch 229413 **SampType:** LCS Units **mg/L**
SampID: LCS 241008 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	102.2	90	110	10/11/2024

Batch 229413 **SampType:** MS Units **mg/L**
SampID: 24091272-053DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0.001785	95.3	75	125	10/11/2024

Batch 229413 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24091272-053DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0.001785	94.7	0.02562	0.59	10/11/2024

Batch 229413 **SampType:** MS Units **mg/L**
SampID: 24100572-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.139**	0.1250	0.01412	100.1	90	110	10/11/2024

Batch 229413 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100572-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.136**	0.1250	0.01412	97.9	0.1392	2.03	10/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 9012A (TOTAL)

Batch 229491 **SampType:** MBLK Units **mg/L**
SampID: MBLK 241009 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	10/11/2024

Batch 229491 **SampType:** LCS Units **mg/L**
SampID: LCS 241009 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	99.4	90	110	10/11/2024

Batch 229491 **SampType:** MS Units **mg/L**
SampID: 24100722-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.050	S	**0.335**	0.0250	0.2786	226.1	90	110	10/13/2024

Batch 229491 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100722-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.050	S	**0.298**	0.0250	0.2786	77.2	0.3351	11.76	10/13/2024

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354124 **SampType:** MS Units **mg/L**
SampID: 24091272-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**436**	200.0	214.5	110.6	80	120	10/04/2024
Sulfate		10.0		**1220**	200.0	1019	99.4	80	120	10/04/2024

Batch R354124 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24091272-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**437**	200.0	214.5	111.2	435.6	0.31	10/04/2024
Sulfate		10.0		**1220**	200.0	1019	100.7	1218	0.22	10/04/2024

Batch R354124 **SampType:** MS Units **mg/L**
SampID: 24091272-046BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		2.50		**51.5**	50.00	0	103.0	80	120	10/05/2024
Chloride		25.0		**3420**	1000	2330	109.4	80	120	10/05/2024
Sulfate		50.0		**4680**	1000	3630	105.2	80	120	10/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354124 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24091272-046BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		2.50		**52.1**	50.00	0	104.3	51.52	1.18	10/05/2024
Chloride		25.0		**3440**	1000	2330	111.0	3425	0.46	10/05/2024
Sulfate		50.0		**4690**	1000	3630	106.4	4682	0.25	10/05/2024

Batch R354124 **SampType:** MS Units **mg/L**

SampID: 24091272-079BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10.0		**3200**	200.0	3003	96.8	80	120	10/05/2024

Batch R354124 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24091272-079BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10.0		**3180**	200.0	3003	90.3	3196	0.41	10/05/2024

Batch R354124 **SampType:** MS Units **mg/L**

SampID: 24100354-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0	103.8	80	120	10/04/2024
Chloride		5.00		**223**	200.0	20.04	101.7	80	120	10/04/2024
Sulfate		10.0		**693**	200.0	495.3	98.7	80	120	10/04/2024

Batch R354124 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24100354-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.5**	10.00	0	105.0	10.38	1.12	10/04/2024
Chloride		5.00		**225**	200.0	20.04	102.6	223.4	0.77	10/04/2024
Sulfate		10.0		**694**	200.0	495.3	99.2	692.6	0.14	10/04/2024

Batch R354124 **SampType:** MS Units **mg/L**

SampID: 24100354-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.5**	10.00	0	105.1	80	120	10/04/2024
Chloride		5.00		**216**	200.0	11.71	102.0	80	120	10/04/2024
Sulfate		10.0		**430**	200.0	234.2	98.0	80	120	10/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354124 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100354-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.5**	10.00	0	105.3	10.51	0.18	10/04/2024
Chloride		5.00		**216**	200.0	11.71	102.2	215.7	0.20	10/04/2024
Sulfate		10.0		**429**	200.0	234.2	97.5	430.1	0.21	10/04/2024

Batch R354124 **SampType:** MS Units **mg/L**
SampID: 24100354-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0	103.9	80	120	10/04/2024
Chloride		5.00		**248**	200.0	39.84	103.9	80	120	10/04/2024
Sulfate		10.0		**610**	200.0	408.3	101.1	80	120	10/04/2024

Batch R354124 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100354-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0	103.7	10.39	0.20	10/04/2024
Chloride		5.00		**247**	200.0	39.84	103.8	247.7	0.09	10/04/2024
Sulfate		10.0		**607**	200.0	408.3	99.2	610.5	0.61	10/04/2024

Batch R354259 **SampType:** MS Units **mg/L**
SampID: 24091272-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10.0		**299**	200.0	109.6	94.6	80	120	10/08/2024

Batch R354259 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24091272-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10.0		**300**	200.0	109.6	95.0	298.8	0.29	10/08/2024

Batch R354259 **SampType:** MS Units **mg/L**
SampID: 24091272-028BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.5**	10.00	0.2880	101.9	80	120	10/08/2024
Chloride		5.00		**258**	200.0	49.68	104.1	80	120	10/08/2024
Sulfate		10.0		**445**	200.0	249.9	97.4	80	120	10/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354259 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24091272-028BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0.2880	101.5	10.48	0.35	10/08/2024
Chloride		5.00		**257**	200.0	49.68	103.9	257.9	0.16	10/08/2024
Sulfate		10.0		**444**	200.0	249.9	96.9	444.7	0.26	10/08/2024

Batch R354345 **SampType:** MS Units **mg/L**
SampID: 24091272-002GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**278**	200.0	67.83	105.2	80	120	10/09/2024
Sulfate		10.0		**285**	200.0	94.39	95.3	80	120	10/09/2024

Batch R354345 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24091272-002GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**280**	200.0	67.83	106.2	278.2	0.73	10/09/2024
Sulfate		10.0		**287**	200.0	94.39	96.4	285.1	0.73	10/09/2024

Batch R354345 **SampType:** MS Units **mg/L**
SampID: 24091272-039BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**11.0**	10.00	0.3580	106.0	80	120	10/09/2024
Chloride		5.00		**239**	200.0	32.49	103.1	80	120	10/09/2024
Sulfate		10.0		**216**	200.0	27.08	94.2	80	120	10/09/2024

Batch R354345 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24091272-039BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.0**	10.00	0.3580	106.5	10.96	0.50	10/09/2024
Chloride		5.00		**240**	200.0	32.49	104.0	238.6	0.75	10/09/2024
Sulfate		10.0		**217**	200.0	27.08	95.0	215.5	0.71	10/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354124 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						10/04/2024
Chloride		0.50		**ND**						10/04/2024
Sulfate		1.00		**ND**						10/04/2024

Batch R354124 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**1.01**	1.000	0	100.5	90	110	10/04/2024
Chloride		0.50		**20.1**	20.00	0	100.5	90	110	10/04/2024
Sulfate		1.00		**18.4**	20.00	0	91.9	90	110	10/04/2024

Batch R354124 **SampType:** MS Units **mg/L**
SampID: 24091272-008AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.2690	104.4	80	120	10/05/2024
Chloride		5.00		**353**	200.0	134.2	109.4	80	120	10/05/2024
Sulfate		10.0		**2090**	200.0	1908	91.3	80	120	10/05/2024

Batch R354124 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24091272-008AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.2690	104.1	10.71	0.25	10/05/2024
Chloride		5.00		**352**	200.0	134.2	108.8	353.0	0.36	10/05/2024
Sulfate		10.0		**2080**	200.0	1908	84.3	2090	0.67	10/05/2024

Batch R354124 **SampType:** MS Units **mg/L**
SampID: 24100176-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.06		**1.89**	1.000	0.8095	108.1	80	120	10/04/2024
Chloride		0.55		**43.9**	20.00	21.41	112.7	80	120	10/04/2024
Sulfate		1.10		**51.3**	20.00	31.14	100.8	80	120	10/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354124 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24100176-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.06		**1.89**	1.000	0.8095	107.9	1.891	0.09	10/04/2024
Chloride		0.55		**43.8**	20.00	21.41	112.2	43.95	0.24	10/04/2024
Sulfate		1.10		**51.3**	20.00	31.14	100.6	51.30	0.06	10/04/2024

Batch R354124 **SampType:** MS Units **mg/L**

SampID: 24100331-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**11.8**	10.00	1.509	103.1	80	120	10/04/2024
Chloride		5.00		**293**	200.0	81.52	105.6	80	120	10/04/2024
Sulfate		10.0		**389**	200.0	200.1	94.7	80	120	10/04/2024

Batch R354124 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24100331-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.8**	10.00	1.509	103.3	11.82	0.18	10/04/2024
Chloride		5.00		**294**	200.0	81.52	106.2	292.6	0.43	10/04/2024
Sulfate		10.0		**390**	200.0	200.1	95.1	389.5	0.22	10/04/2024

Batch R354124 **SampType:** MS Units **mg/L**

SampID: 24100334-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.06		**1.63**	1.000	0.6668	96.4	80	120	10/04/2024
Chloride		0.55		**126**	20.00	105.1	105.8	80	120	10/04/2024
Sulfate		1.10		**131**	20.00	110.4	104.0	80	120	10/04/2024

Batch R354124 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24100334-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.06		**1.65**	1.000	0.6668	98.0	1.631	0.94	10/04/2024
Chloride		0.55		**126**	20.00	105.1	105.2	126.2	0.09	10/04/2024
Sulfate		1.10		**131**	20.00	110.4	104.6	131.2	0.08	10/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354124 **SampType:** MS Units **mg/L**
SampID: 24100387-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**11.6**	10.00	1.139	104.8	80	120	10/05/2024
Chloride		5.00		**464**	200.0	241.6	111.3	80	120	10/05/2024
Sulfate		10.0		**378**	200.0	184.8	96.5	80	120	10/05/2024

Batch R354124 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100387-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.7**	10.00	1.139	105.1	11.62	0.32	10/05/2024
Chloride		5.00		**466**	200.0	241.6	111.9	464.2	0.28	10/05/2024
Sulfate		10.0		**379**	200.0	184.8	97.3	377.8	0.42	10/05/2024

Batch R354124 **SampType:** MS Units **mg/L**
SampID: 24100440-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0	106.8	80	120	10/05/2024
Chloride		5.00		**233**	200.0	24.82	104.0	80	120	10/05/2024
Sulfate		10.0		**235**	200.0	47.24	94.1	80	120	10/05/2024

Batch R354124 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100440-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0	106.8	10.68	0.01	10/05/2024
Chloride		5.00		**234**	200.0	24.82	104.5	232.8	0.43	10/05/2024
Sulfate		10.0		**236**	200.0	47.24	94.4	235.3	0.32	10/05/2024

Batch R354259 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						10/08/2024
Chloride		0.50		**ND**						10/08/2024
Sulfate		1.00		**ND**						10/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354259 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**1.01**	1.000	0	101.0	90	110	10/08/2024
Chloride		0.50		**20.2**	20.00	0	100.8	90	110	10/08/2024
Sulfate		1.00		**18.8**	20.00	0	93.8	90	110	10/08/2024

Batch R354259 **SampType:** MS Units **mg/L**
SampID: 24091272-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.3**	10.00	0	103.2	80	120	10/08/2024
Chloride		5.00		**239**	200.0	33.34	103.1	80	120	10/08/2024
Sulfate		10.0		**1040**	200.0	832.2	101.6	80	120	10/08/2024

Batch R354259 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24091272-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0	103.9	10.32	0.73	10/08/2024
Chloride		5.00		**240**	200.0	33.34	103.5	239.5	0.40	10/08/2024
Sulfate		10.0		**1030**	200.0	832.2	99.2	1035	0.47	10/08/2024

Batch R354259 **SampType:** MS Units **mg/L**
SampID: 24100507-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.4870	102.2	80	120	10/08/2024
Chloride		5.00		**235**	200.0	28.27	103.6	80	120	10/08/2024
Sulfate		10.0		**353**	200.0	157.8	97.7	80	120	10/08/2024

Batch R354259 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100507-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.4870	101.8	10.71	0.36	10/08/2024
Chloride		5.00		**235**	200.0	28.27	103.3	235.4	0.21	10/08/2024
Sulfate		10.0		**352**	200.0	157.8	97.0	353.2	0.39	10/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354259 **SampType:** MS Units **mg/L**
SampID: 24100536-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0.3240	100.7	80	120	10/08/2024
Chloride		5.00		**320**	200.0	105.6	107.0	80	120	10/08/2024
Sulfate		10.0		**251**	200.0	61.48	94.8	80	120	10/08/2024

Batch R354259 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100536-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.5**	10.00	0.3240	101.5	10.40	0.76	10/08/2024
Chloride		5.00		**322**	200.0	105.6	108.1	319.7	0.64	10/08/2024
Sulfate		10.0		**253**	200.0	61.48	95.7	251.1	0.73	10/08/2024

Batch R354259 **SampType:** MS Units **mg/L**
SampID: 24100656-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**11.0**	10.00	0.5760	104.3	80	120	10/09/2024
Chloride		5.00		**224**	200.0	18.53	102.6	80	120	10/09/2024
Sulfate		10.0		**190**	200.0	0	95.0	80	120	10/09/2024

Batch R354259 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100656-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.1**	10.00	0.5760	105.7	11.01	1.23	10/09/2024
Chloride		5.00		**225**	200.0	18.53	103.1	223.7	0.41	10/09/2024
Sulfate		10.0		**191**	200.0	0	95.5	190.0	0.55	10/09/2024

Batch R354259 **SampType:** MS Units **mg/L**
SampID: 24100661-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.06		**2.08**	1.000	1.043	103.5	80	120	10/08/2024
Chloride		0.55		**26.1**	20.00	4.840	106.4	80	120	10/08/2024
Sulfate		1.10		**30.4**	20.00	10.62	99.0	80	120	10/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354259 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24100661-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.06		**2.08**	1.000	1.043	104.1	2.078	0.30	10/08/2024
Chloride		0.55		**26.2**	20.00	4.840	106.8	26.12	0.34	10/08/2024
Sulfate		1.10		**30.5**	20.00	10.62	99.3	30.42	0.21	10/08/2024

Batch R354345 **SampType:** MBLK Units **mg/L**

SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						10/09/2024
Chloride		0.50		**ND**						10/09/2024
Sulfate		1.00		**ND**						10/09/2024

Batch R354345 **SampType:** LCS Units **mg/L**

SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**1.04**	1.000	0	104.0	90	110	10/09/2024
Chloride		0.50		**20.2**	20.00	0	100.8	90	110	10/09/2024
Sulfate		1.00		**18.8**	20.00	0	93.9	90	110	10/09/2024

Batch R354345 **SampType:** MS Units **mg/L**

SampID: 24100715-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**11.4**	10.00	0.7490	106.3	80	120	10/09/2024
Chloride		5.00		**408**	200.0	185.3	111.2	80	120	10/09/2024
Sulfate		10.0		**231**	200.0	39.50	95.7	80	120	10/09/2024

Batch R354345 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24100715-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.4**	10.00	0.7490	106.5	11.38	0.18	10/09/2024
Chloride		5.00		**406**	200.0	185.3	110.5	407.7	0.36	10/09/2024
Sulfate		10.0		**230**	200.0	39.50	95.4	230.9	0.24	10/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354345 **SampType:** MS Units **mg/L**
SampID: 24100728-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**11.1**	10.00	0.4490	106.5	80	120	10/09/2024
Chloride		5.00		**307**	200.0	91.10	108.1	80	120	10/09/2024
Sulfate		10.0		**222**	200.0	31.20	95.5	80	120	10/09/2024

Batch R354345 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100728-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.1**	10.00	0.4490	106.6	11.10	0.05	10/09/2024
Chloride		5.00		**306**	200.0	91.10	107.7	307.2	0.25	10/09/2024
Sulfate		10.0		**221**	200.0	31.20	95.1	222.3	0.37	10/09/2024

Batch R354345 **SampType:** MS Units **mg/L**
SampID: 24100804-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.8**	10.00	0.2050	105.5	80	120	10/10/2024
Chloride		5.00		**365**	200.0	144.2	110.1	80	120	10/10/2024
Sulfate		10.0		**211**	200.0	22.20	94.3	80	120	10/10/2024

Batch R354345 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100804-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.8**	10.00	0.2050	105.8	10.76	0.28	10/10/2024
Chloride		5.00		**362**	200.0	144.2	108.7	364.5	0.79	10/10/2024
Sulfate		10.0		**211**	200.0	22.20	94.2	210.9	0.12	10/10/2024

SW-846 9060A

Batch R354202 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	10/04/2024

Batch R354202 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**4.7**	5.000	0	94.4	90	110	10/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 9060A

Batch R354202 **SampType:** MS Units **mg/L**
SampID: 24100348-001JMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**10.0**	5.000	4.780	103.8	85	115	10/04/2024

Batch R354202 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100348-001JMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**10.0**	5.000	4.780	103.8	9.970	0.00	10/04/2024

Batch R354202 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100348-001JDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**4.8**				4.780	0.21	10/04/2024

Batch R354202 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100350-001JDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**7.7**				7.680	0.13	10/04/2024

Batch R354202 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100391-007ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		20.0		**20.4**				20.47	0.44	10/04/2024

Batch R354202 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100391-008ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		20.0		**63.4**				61.87	2.41	10/04/2024

Batch R354202 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100391-009ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		20.0		**30.2**				29.95	0.96	10/04/2024

Batch R354202 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100452-001CDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**2.2**				2.200	0.90	10/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24091272
Client Project: NEW-24Q4
Report Date: 12-Nov-24

SW-846 9060A

Batch R354427 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	10/08/2024

Batch R354427 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**4.8**	5.000	0	96.2	90	110	10/08/2024

Batch R354427 **SampType:** MS Units **mg/L**
SampID: 24091272-068EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		2.0		**17.8**	10.00	7.170	106.0	85	115	10/08/2024

Batch R354427 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24091272-068EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		2.0		**17.6**	10.00	7.170	103.9	17.77	1.19	10/08/2024

Batch R354519 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	10/10/2024

Batch R354519 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.0**	5.000	0	99.6	90	110	10/10/2024

Batch R354519 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100822-003BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		5.0		**14.3**				13.75	3.78	10/10/2024

Batch R354519 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100936-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**				0	0.00	10/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 9060A

Batch R354519 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100936-008ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**1.4**				1.430	0.00	10/10/2024

Batch R354615 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	10/14/2024

Batch R354615 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**4.8**	5.000	0	96.4	90	110	10/14/2024

Batch R354615 **SampType:** MS Units **mg/L**
SampID: 24091272-059EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		2.0	S	**8.0**	10.00	4.970	29.8	85	115	10/14/2024

Batch R354615 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24091272-059EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		2.0	S	**8.0**	10.00	4.970	30.8	7.950	1.25	10/14/2024

Batch R354615 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100638-012ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		2.0		**11.2**				11.15	0.89	10/14/2024

Batch R354615 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101114-006ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		10.0		**38.4**				40.15	4.59	10/14/2024

Batch R354615 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101114-007ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		10.0		**36.0**				37.66	4.65	10/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 9060A

Batch R354615 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101114-008ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		10.0		**36.0**				36.72	1.84	10/14/2024

Batch R354615 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101114-009ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		10.0		**35.7**				35.23	1.30	10/14/2024

Batch R354615 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101114-010ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		10.0		**34.9**				36.76	5.31	10/14/2024

Batch R354615 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101114-011ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		10.0		**22.9**				23.41	2.12	10/14/2024

Batch R354615 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101114-012ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		10.0		**16.4**				16.52	0.97	10/14/2024

Batch R354615 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101114-013ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		10.0		**34.0**				35.65	4.80	10/14/2024

Batch R354615 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101114-014ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		10.0		**15.5**				16.07	3.48	10/14/2024

Batch R354615 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101114-015ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		10.0		**38.2**				40.13	4.80	10/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 229291 **SampType:** MBLK Units **mg/L**
SampID: MBLK-229291

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	10/07/2024
Magnesium		0.050	JS	**0.006**	0.0055	0	112.7	-100	100	10/07/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/07/2024
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	10/07/2024

Batch 229291 **SampType:** LCS Units **mg/L**
SampID: LCS-229291

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.43**	2.500	0	97.1	85	115	10/07/2024
Magnesium		0.050	B	**2.36**	2.500	0	94.6	85	115	10/07/2024
Potassium		0.100		**2.68**	2.500	0	107.3	85	115	10/07/2024
Sodium		0.050		**2.34**	2.500	0	93.4	85	115	10/07/2024

Batch 229296 **SampType:** MBLK Units **mg/L**
SampID: MBLK-229296

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	10/07/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	10/07/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	10/07/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	10/07/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	10/07/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	10/07/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/07/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	10/07/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/07/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	10/07/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/07/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 229296 **SampType:** LCS Units **mg/L**

SampID: LCS-229296

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.96**	2.000	0	97.9	85	115	10/07/2024
Arsenic		0.0250		**0.477**	0.5000	0	95.5	85	115	10/07/2024
Cadmium		0.0020		**0.0483**	0.0500	0	96.6	85	115	10/07/2024
Calcium		0.100		**2.44**	2.500	0	97.6	85	115	10/07/2024
Iron		0.0400		**1.96**	2.000	0	98.2	85	115	10/07/2024
Lead		0.0150		**0.482**	0.5000	0	96.5	85	115	10/07/2024
Magnesium		0.0500		**2.47**	2.500	0	98.9	85	115	10/07/2024
Manganese		0.0070		**0.490**	0.5000	0	98.1	85	115	10/07/2024
Potassium		0.100		**2.74**	2.500	0	109.6	85	115	10/07/2024
Selenium		0.0400		**0.480**	0.5000	0	96.1	85	115	10/07/2024
Sodium		0.0500		**2.49**	2.500	0	99.8	85	115	10/07/2024
Zinc		0.0100		**0.489**	0.5000	0	97.8	85	115	10/07/2024

Batch 229296 **SampType:** MS Units **mg/L**

SampID: 24091272-049CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**612**	2.500	618.0	-254.0	75	125	10/07/2024
Magnesium		0.050	S	**384**	2.500	389.4	-210.8	75	125	10/07/2024
Potassium		0.100		**7.25**	2.500	4.166	123.5	75	125	10/07/2024
Sodium		0.500	S	**486**	2.500	489.3	-120.0	75	125	10/08/2024

Batch 229296 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24091272-049CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**612**	2.500	618.0	-237.2	611.6	0.07	10/07/2024
Magnesium		0.050	S	**388**	2.500	389.4	-54.8	384.1	1.01	10/07/2024
Potassium		0.100		**7.21**	2.500	4.166	121.6	7.252	0.63	10/07/2024
Sodium		0.500	S	**475**	2.500	489.3	-564.0	486.3	2.31	10/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 229296 **SampType:** MS Units **mg/L**

SampID: 24100440-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**3.83**	4.000	0	95.8	75	125	10/07/2024
Arsenic		0.0250		**0.950**	1.000	0	95.0	75	125	10/07/2024
Cadmium		0.0020		**0.0905**	0.1000	0	90.5	75	125	10/07/2024
Iron		0.0400		**6.13**	4.000	1.824	107.7	75	125	10/07/2024
Lead		0.0150		**0.902**	1.000	0	90.2	75	125	10/07/2024
Magnesium		0.0500		**35.7**	5.000	31.89	76.6	75	125	10/07/2024
Manganese		0.0070		**1.35**	1.000	0.4379	91.3	75	125	10/07/2024
Potassium		0.100		**7.06**	5.000	2.090	99.4	75	125	10/07/2024
Selenium		0.0400		**0.908**	1.000	0	90.8	75	125	10/07/2024
Sodium		0.0500		**18.6**	5.000	14.69	78.8	75	125	10/07/2024
Zinc		0.0100		**0.945**	1.000	0.01790	92.7	75	125	10/07/2024

Batch 229296 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100440-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**3.73**	4.000	0	93.2	3.830	2.65	10/07/2024
Arsenic		0.0250		**0.926**	1.000	0	92.6	0.9498	2.48	10/07/2024
Cadmium		0.0020		**0.0881**	0.1000	0	88.1	0.09050	2.69	10/07/2024
Iron		0.0400		**6.04**	4.000	1.824	105.4	6.130	1.48	10/07/2024
Lead		0.0150		**0.873**	1.000	0	87.3	0.9024	3.31	10/07/2024
Magnesium		0.0500		**35.9**	5.000	31.89	81.0	35.72	0.62	10/07/2024
Manganese		0.0070		**1.33**	1.000	0.4379	89.1	1.351	1.63	10/07/2024
Potassium		0.100		**6.94**	5.000	2.090	97.1	7.062	1.68	10/07/2024
Selenium		0.0400		**0.892**	1.000	0	89.2	0.9085	1.82	10/07/2024
Sodium		0.0500		**18.7**	5.000	14.69	79.4	18.63	0.16	10/07/2024
Zinc		0.0100		**0.925**	1.000	0.01790	90.7	0.9448	2.13	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 229389 **SampType:** MBLK Units **mg/L**

SampID: MBLK-229389

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	10/08/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	10/08/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	10/08/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	10/08/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	10/08/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	10/08/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/08/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	10/08/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/08/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	10/08/2024
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	10/09/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/08/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	10/08/2024

Batch 229389 **SampType:** LCS Units **mg/L**

SampID: LCS-229389

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.462**	0.5000	0	92.5	85	115	10/08/2024
Arsenic		0.0250		**0.476**	0.5000	0	95.2	85	115	10/08/2024
Cadmium		0.0020		**0.0457**	0.0500	0	91.4	85	115	10/08/2024
Calcium		0.100		**2.45**	2.500	0	98.0	85	115	10/08/2024
Iron		0.0400		**1.92**	2.000	0	96.0	85	115	10/08/2024
Lead		0.0150		**0.470**	0.5000	0	94.0	85	115	10/08/2024
Magnesium		0.0500		**2.21**	2.500	0	88.4	85	115	10/08/2024
Manganese		0.0070		**0.497**	0.5000	0	99.4	85	115	10/08/2024
Potassium		0.100		**2.46**	2.500	0	98.4	85	115	10/08/2024
Selenium		0.0400		**0.453**	0.5000	0	90.5	85	115	10/08/2024
Silicon	*	0.0500		**0.468**	0.5000	0	93.6	85	115	10/09/2024
Sodium		0.0500		**2.42**	2.500	0	96.7	85	115	10/08/2024
Zinc		0.0100		**0.475**	0.5000	0	95.0	85	115	10/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 229389 **SampType:** MS Units **mg/L**
SampID: 24091272-031CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**183**	2.500	183.8	-46.8	75	125	10/08/2024
Magnesium		0.050	S	**142**	2.500	141.0	37.5	75	125	10/08/2024
Potassium		0.100		**5.05**	2.500	2.600	97.9	75	125	10/08/2024
Sodium		0.050	S	**96.0**	2.500	94.92	45.2	75	125	10/08/2024

Batch 229389 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24091272-031CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**181**	2.500	183.8	-92.8	182.6	0.63	10/08/2024
Magnesium		0.050	S	**140**	2.500	141.0	-44.5	142.0	1.45	10/08/2024
Potassium		0.100		**5.02**	2.500	2.600	96.9	5.048	0.51	10/08/2024
Sodium		0.050	S	**95.1**	2.500	94.92	7.6	96.05	0.98	10/08/2024

Batch 229389 **SampType:** MS Units **mg/L**
SampID: 24100606-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**1.94**	2.000	0	97.0	75	125	10/08/2024

Batch 229389 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24100606-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**1.91**	2.000	0	95.3	1.941	1.79	10/08/2024

Batch 229474 **SampType:** MBLK Units **mg/L**
SampID: MBLK-229474

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	10/10/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/10/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/10/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 229474 **SampType:** LCS Units **mg/L**

SampID: LCS-229474

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.31**	2.500	0	92.5	85	115	10/10/2024
Magnesium		0.0500		**2.26**	2.500	0	90.3	85	115	10/10/2024
Potassium		0.100		**2.40**	2.500	0	96.0	85	115	10/10/2024
Sodium		0.0500		**2.36**	2.500	0	94.5	85	115	10/10/2024

Batch 229474 **SampType:** MS Units **mg/L**

SampID: 24091272-039CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**64.1**	2.500	62.68	55.2	75	125	10/10/2024
Magnesium		0.050		**26.0**	2.500	24.10	76.3	75	125	10/10/2024
Potassium		0.100		**2.67**	2.500	0.2130	98.4	75	125	10/10/2024
Sodium		0.050	S	**102**	2.500	102.3	-20.4	75	125	10/15/2024

Batch 229474 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24091272-039CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**65.1**	2.500	62.68	96.0	64.06	1.58	10/10/2024
Magnesium		0.050		**26.5**	2.500	24.10	94.2	26.01	1.70	10/10/2024
Potassium		0.100		**2.69**	2.500	0.2130	99.2	2.674	0.73	10/10/2024
Sodium		0.050	S	**103**	2.500	102.3	20.8	101.8	1.01	10/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24091272
Client Project: NEW-24Q4
Report Date: 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229297 **SampType:** MBLK Units **mg/L**
SampID: MBLK-229297

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	10/07/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	10/07/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	10/07/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	10/07/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	10/07/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	10/07/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	10/07/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	10/07/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	10/07/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	10/07/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	10/07/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	10/07/2024
Lithium		0.0500		**< 0.0500**	0.0019	0	0	-100	100	10/07/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/07/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	10/07/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	10/07/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	10/07/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/07/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	10/07/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	10/07/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/07/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	10/07/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	10/07/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229297 **SampType:** LCS Units **mg/L**

SampID: LCS-229297

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.506**	0.5000	0	101.3	85	115	10/07/2024
Arsenic		0.0250		**0.504**	0.5000	0	100.7	85	115	10/07/2024
Barium		0.0025		**1.99**	2.000	0	99.5	85	115	10/07/2024
Beryllium		0.0005		**0.0501**	0.0500	0	100.2	85	115	10/07/2024
Boron		0.0200		**0.477**	0.5000	0	95.3	85	115	10/07/2024
Cadmium		0.0020		**0.0487**	0.0500	0	97.4	85	115	10/07/2024
Calcium		0.100		**2.53**	2.500	0	101.1	85	115	10/07/2024
Chromium		0.0050		**0.204**	0.2000	0	101.8	85	115	10/07/2024
Cobalt		0.0050		**0.524**	0.5000	0	104.8	85	115	10/07/2024
Copper		0.0050		**0.258**	0.2500	0	103.4	85	115	10/07/2024
Iron		0.0400		**2.00**	2.000	0	99.9	85	115	10/07/2024
Lead		0.0150		**0.498**	0.5000	0	99.5	85	115	10/07/2024
Lithium		0.0500		**0.502**	0.5000	0	100.4	85	115	10/07/2024
Magnesium		0.0500		**2.54**	2.500	0	101.6	85	115	10/07/2024
Manganese		0.0070		**0.504**	0.5000	0	100.7	85	115	10/07/2024
Molybdenum		0.0100		**0.500**	0.5000	0	100.1	85	115	10/07/2024
Nickel		0.0050		**0.516**	0.5000	0	103.1	85	115	10/07/2024
Potassium		0.100		**2.78**	2.500	0	111.2	85	115	10/07/2024
Selenium		0.0400		**0.496**	0.5000	0	99.2	85	115	10/07/2024
Silver		0.0070		**0.0482**	0.0500	0	96.4	85	115	10/07/2024
Sodium		0.0500		**2.48**	2.500	0	99.2	85	115	10/07/2024
Thallium		0.0500		**0.241**	0.2500	0	96.4	85	115	10/07/2024
Vanadium		0.0100		**0.512**	0.5000	0	102.3	85	115	10/07/2024
Zinc		0.0100		**0.500**	0.5000	0	100.0	85	115	10/07/2024

Batch 229297 **SampType:** MS Units **mg/L**

SampID: 24091272-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**157**	2.500	153.7	148.0	75	125	10/07/2024
Magnesium		0.050	S	**75.5**	2.500	72.26	127.8	75	125	10/07/2024
Potassium		0.100		**5.06**	2.500	2.142	116.7	75	125	10/07/2024
Sodium		0.050	S	**126**	2.500	123.1	131.6	75	125	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229297 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24091272-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**160**	2.500	153.7	246.4	157.4	1.55	10/07/2024
Magnesium		0.050	S	**76.6**	2.500	72.26	172.1	75.45	1.46	10/07/2024
Potassium		0.100		**5.08**	2.500	2.142	117.3	5.059	0.32	10/07/2024
Sodium		0.050	S	**128**	2.500	123.1	207.2	126.4	1.48	10/07/2024

Batch 229297 **SampType:** MS Units **mg/L**

SampID: 24100440-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.489**	0.5000	0	97.7	75	125	10/07/2024
Arsenic		0.0250		**0.482**	0.5000	0	96.5	75	125	10/07/2024
Barium		0.0025		**2.25**	2.000	0.4010	92.4	75	125	10/07/2024
Cadmium		0.0020		**0.0445**	0.0500	0	89.0	75	125	10/07/2024
Calcium		0.100	S	**104**	2.500	103.0	46.4	75	125	10/07/2024
Copper		0.0050		**0.247**	0.2500	0	98.9	75	125	10/07/2024
Iron		0.0400		**8.32**	2.000	6.290	101.5	75	125	10/07/2024
Lead		0.0150		**0.456**	0.5000	0	91.3	75	125	10/07/2024
Magnesium		0.0500	S	**34.9**	2.500	33.06	74.7	75	125	10/07/2024
Manganese		0.0070		**0.926**	0.5000	0.4560	94.1	75	125	10/07/2024
Selenium		0.0400		**0.463**	0.5000	0	92.5	75	125	10/07/2024
Zinc		0.0100		**0.501**	0.5000	0.02710	94.7	75	125	10/07/2024

Batch 229297 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100440-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0500		**0.488**	0.5000	0	97.7	0.4886	0.04	10/07/2024
Arsenic		0.0250		**0.493**	0.5000	0	98.5	0.4823	2.13	10/07/2024
Barium		0.0025		**2.25**	2.000	0.4010	92.4	2.250	0.00	10/07/2024
Cadmium		0.0020		**0.0446**	0.0500	0	89.2	0.04450	0.22	10/07/2024
Calcium		0.100	S	**104**	2.500	103.0	50.8	104.1	0.11	10/07/2024
Copper		0.0050		**0.249**	0.2500	0	99.6	0.2472	0.69	10/07/2024
Iron		0.0400		**8.36**	2.000	6.290	103.5	8.320	0.48	10/07/2024
Lead		0.0150		**0.462**	0.5000	0	92.3	0.4564	1.13	10/07/2024
Magnesium		0.0500		**35.0**	2.500	33.06	77.9	34.93	0.23	10/07/2024
Manganese		0.0070		**0.932**	0.5000	0.4560	95.2	0.9263	0.60	10/07/2024
Selenium		0.0400		**0.477**	0.5000	0	95.4	0.4626	3.04	10/07/2024
Zinc		0.0100		**0.503**	0.5000	0.02710	95.2	0.5005	0.54	10/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229350 **SampType:** MBLK Units **mg/L**

SampID: MBLK-229350

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	10/08/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	10/08/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	10/08/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	10/08/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	10/08/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	10/08/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/08/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/08/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	10/08/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	10/08/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/08/2024

Batch 229350 **SampType:** LCS Units **mg/L**

SampID: LCS-229350

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.538**	0.5000	0	107.6	85	115	10/08/2024
Barium		0.0025		**2.10**	2.000	0	105.0	85	115	10/08/2024
Cadmium		0.0020		**0.0519**	0.0500	0	103.8	85	115	10/08/2024
Calcium		0.100		**2.71**	2.500	0	108.2	85	115	10/08/2024
Chromium		0.0050		**0.215**	0.2000	0	107.6	85	115	10/08/2024
Lead		0.0150		**0.531**	0.5000	0	106.1	85	115	10/08/2024
Magnesium		0.0500		**2.50**	2.500	0	99.8	85	115	10/08/2024
Potassium		0.100		**2.69**	2.500	0	107.6	85	115	10/08/2024
Selenium		0.0400		**0.525**	0.5000	0	105.0	85	115	10/08/2024
Silver		0.0070		**0.0523**	0.0500	0	104.6	85	115	10/08/2024
Sodium		0.0500		**2.69**	2.500	0	107.7	85	115	10/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229350 **SampType:** MS Units **mg/L**

SampID: 24100349-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.545**	0.5000	0	108.9	75	125	10/08/2024
Barium		0.0025		**2.13**	2.000	0.1180	100.6	75	125	10/08/2024
Cadmium		0.0020		**0.0479**	0.0500	0	95.8	75	125	10/08/2024
Calcium		0.100		**80.5**	2.500	78.49	81.6	75	125	10/08/2024
Chromium		0.0050		**0.216**	0.2000	0.003600	106.0	75	125	10/08/2024
Lead		0.0150		**0.516**	0.5000	0	103.3	75	125	10/08/2024
Magnesium		0.0500		**34.3**	2.500	32.04	90.8	75	125	10/08/2024
Silver		0.0070		**0.0543**	0.0500	0	108.6	75	125	10/08/2024
Sodium		0.0500	S	**172**	2.500	171.8	14.8	75	125	10/08/2024

Batch 229350 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100349-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.543**	0.5000	0	108.6	0.5447	0.29	10/08/2024
Barium		0.0025		**2.13**	2.000	0.1180	100.6	2.130	0.00	10/08/2024
Cadmium		0.0020		**0.0478**	0.0500	0	95.6	0.04790	0.21	10/08/2024
Calcium		0.100		**80.6**	2.500	78.49	85.2	80.53	0.11	10/08/2024
Chromium		0.0050		**0.215**	0.2000	0.003600	105.8	0.2156	0.19	10/08/2024
Lead		0.0150		**0.517**	0.5000	0	103.3	0.5163	0.08	10/08/2024
Magnesium		0.0500		**34.5**	2.500	32.04	98.8	34.32	0.58	10/08/2024
Silver		0.0070		**0.0544**	0.0500	0	108.8	0.05430	0.18	10/08/2024
Sodium		0.0500		**175**	2.500	171.8	113.6	172.1	1.42	10/08/2024

Batch 229350 **SampType:** MS Units **mg/L**

SampID: 24100386-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.537**	0.5000	0	107.4	75	125	10/08/2024
Barium		0.0025		**2.15**	2.000	0.1324	100.9	75	125	10/08/2024
Cadmium		0.0020		**0.0488**	0.0500	0	97.6	75	125	10/08/2024
Chromium		0.0050		**0.212**	0.2000	0	106.2	75	125	10/08/2024
Lead		0.0150		**0.513**	0.5000	0	102.5	75	125	10/08/2024
Selenium		0.0400		**0.526**	0.5000	0	105.2	75	125	10/08/2024
Silver		0.0070		**0.0535**	0.0500	0	107.0	75	125	10/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229350 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100386-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.538**	0.5000	0	107.7	0.5371	0.22	10/08/2024
Barium		0.0025		**2.16**	2.000	0.1324	101.4	2.150	0.46	10/08/2024
Cadmium		0.0020		**0.0493**	0.0500	0	98.6	0.04880	1.02	10/08/2024
Chromium		0.0050		**0.215**	0.2000	0	107.4	0.2124	1.12	10/08/2024
Lead		0.0150		**0.515**	0.5000	0	103.1	0.5126	0.54	10/08/2024
Selenium		0.0400		**0.539**	0.5000	0	107.8	0.5258	2.52	10/08/2024
Silver		0.0070		**0.0540**	0.0500	0	108.0	0.05350	0.93	10/08/2024

Batch 229380 **SampType:** MBLK Units **mg/L**

SampID: MBLK-229380

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	10/08/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	10/08/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	10/08/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	10/08/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	10/08/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	10/08/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	10/08/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	10/08/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/08/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	10/08/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/08/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	10/08/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/08/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	10/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229380 **SampType:** LCS Units **mg/L**
SampID: LCS-229380

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.506**	0.5000	0	101.1	85	115	10/08/2024
Arsenic		0.0250		**0.519**	0.5000	0	103.9	85	115	10/08/2024
Barium		0.0025		**2.06**	2.000	0	103.0	85	115	10/08/2024
Cadmium		0.0020		**0.0476**	0.0500	0	95.2	85	115	10/08/2024
Calcium		0.100		**2.63**	2.500	0	105.1	85	115	10/08/2024
Copper		0.0050		**0.268**	0.2500	0	107.1	85	115	10/08/2024
Iron		0.0400		**2.12**	2.000	0	106.0	85	115	10/08/2024
Lead		0.0150		**0.503**	0.5000	0	100.5	85	115	10/08/2024
Magnesium		0.0500		**2.35**	2.500	0	94.1	85	115	10/08/2024
Manganese		0.0070		**0.540**	0.5000	0	108.1	85	115	10/08/2024
Potassium		0.100		**2.58**	2.500	0	103.0	85	115	10/08/2024
Selenium		0.0400		**0.494**	0.5000	0	98.8	85	115	10/08/2024
Sodium		0.0500		**2.58**	2.500	0	103.4	85	115	10/08/2024
Zinc		0.0100		**0.508**	0.5000	0	101.7	85	115	10/08/2024

Batch 229380 **SampType:** MS Units **mg/L**
SampID: 24100277-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**1.01**	1.000	0	100.8	75	125	10/08/2024
Arsenic		0.0250		**1.02**	1.000	0	102.0	75	125	10/08/2024
Barium		0.0025		**4.30**	4.000	0.2460	101.4	75	125	10/08/2024
Cadmium		0.0020		**0.0928**	0.1000	0	92.8	75	125	10/08/2024
Calcium		0.100		**108**	5.000	103.4	98.8	75	125	10/08/2024
Copper		0.0050		**0.535**	0.5000	0.003500	106.3	75	125	10/08/2024
Iron		0.0400		**7.91**	4.000	3.690	105.5	75	125	10/08/2024
Lead		0.0150		**0.975**	1.000	0	97.5	75	125	10/08/2024
Magnesium		0.0500		**37.4**	5.000	32.63	95.6	75	125	10/08/2024
Manganese		0.0070		**1.80**	1.000	0.7400	105.8	75	125	10/08/2024
Selenium		0.0400		**0.938**	1.000	0	93.8	75	125	10/08/2024
Zinc		0.0100		**0.989**	1.000	0.006900	98.2	75	125	10/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229380 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100277-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0500		**0.998**	1.000	0	99.8	1.008	0.96	10/08/2024
Arsenic		0.0250		**1.01**	1.000	0	101.0	1.020	0.97	10/08/2024
Barium		0.0025		**4.31**	4.000	0.2460	101.6	4.300	0.23	10/08/2024
Cadmium		0.0020		**0.0924**	0.1000	0	92.4	0.09280	0.43	10/08/2024
Calcium		0.100	S	**110**	5.000	103.4	143.0	108.3	2.02	10/08/2024
Copper		0.0050		**0.529**	0.5000	0.003500	105.2	0.5349	1.05	10/08/2024
Iron		0.0400		**7.97**	4.000	3.690	107.0	7.910	0.76	10/08/2024
Lead		0.0150		**0.973**	1.000	0	97.3	0.9746	0.20	10/08/2024
Magnesium		0.0500		**38.0**	5.000	32.63	106.7	37.41	1.48	10/08/2024
Manganese		0.0070		**1.81**	1.000	0.7400	106.8	1.798	0.55	10/08/2024
Selenium		0.0400		**0.933**	1.000	0	93.3	0.9377	0.49	10/08/2024
Zinc		0.0100		**0.987**	1.000	0.006900	98.0	0.9887	0.20	10/08/2024

Batch 229380 **SampType:** MS Units **mg/L**

SampID: 24100606-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0025		**2.12**	2.000	0.1049	100.8	75	125	10/08/2024
Cadmium		0.0020		**0.0471**	0.0500	0	94.2	75	125	10/08/2024
Copper		0.0050		**0.271**	0.2500	0.004000	106.6	75	125	10/08/2024
Lead		0.0150		**0.492**	0.5000	0	98.5	75	125	10/08/2024
Manganese		0.0070		**1.12**	0.5000	0.5914	105.8	75	125	10/08/2024
Zinc		0.0100		**0.522**	0.5000	0.01170	102.0	75	125	10/08/2024

Batch 229380 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100606-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Barium		0.0025		**2.16**	2.000	0.1049	102.8	2.120	1.87	10/08/2024
Cadmium		0.0020		**0.0469**	0.0500	0	93.8	0.04710	0.43	10/08/2024
Copper		0.0050		**0.273**	0.2500	0.004000	107.6	0.2706	0.85	10/08/2024
Lead		0.0150		**0.493**	0.5000	0	98.7	0.4923	0.22	10/08/2024
Manganese		0.0070		**1.14**	0.5000	0.5914	109.5	1.120	1.61	10/08/2024
Zinc		0.0100		**0.526**	0.5000	0.01170	102.9	0.5216	0.86	10/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229380 **SampType:** MS Units **mg/L**

SampID: 24100608-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.522**	0.5000	0	104.4	75	125	10/08/2024
Iron		0.0400		**2.15**	2.000	0.06610	104.2	75	125	10/08/2024

Batch 229380 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100608-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.520**	0.5000	0	104.0	0.5218	0.38	10/08/2024
Iron		0.0400		**2.15**	2.000	0.06610	104.2	2.150	0.00	10/08/2024

Batch 229445 **SampType:** MBLK Units **mg/L**

SampID: MBLK-229445

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	10/10/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	10/11/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/10/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/11/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/11/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/09/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/10/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/11/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/10/2024

Batch 229445 **SampType:** LCS Units **mg/L**

SampID: LCS-229445

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.41**	2.500	0	96.4	85	115	10/10/2024
Calcium		0.100		**2.59**	2.500	0	103.8	85	115	10/11/2024
Magnesium		0.0500		**2.34**	2.500	0	93.8	85	115	10/10/2024
Magnesium		0.0500		**2.39**	2.500	0	95.7	85	115	10/11/2024
Potassium		0.100		**2.47**	2.500	0	98.7	85	115	10/10/2024
Potassium		0.100		**2.63**	2.500	0	105.0	85	115	10/11/2024
Potassium		0.100		**2.63**	2.500	0	105.2	85	115	10/09/2024
Sodium		0.0500		**2.52**	2.500	0	100.7	85	115	10/10/2024
Sodium		0.0500		**2.67**	2.500	0	106.7	85	115	10/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229445 **SampType:** MS Units **mg/L**
SampID: 24091272-059CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		10.0	S	**849**	2.500	876.0	-1080	75	125	10/11/2024
Magnesium		5.00		**11.0**	2.500	8.960	80.0	75	125	10/11/2024
Potassium		50.0	S	**1810**	2.500	1764	1722	75	125	10/15/2024
Sodium		5.00	S	**13500**	2.500	13510	1680	75	125	10/11/2024

Batch 229445 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24091272-059CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		10.0	S	**874**	2.500	876.0	-80.0	849.0	2.90	10/11/2024
Magnesium		5.00		**11.2**	2.500	8.960	88.4	10.96	1.90	10/11/2024
Potassium		50.0	S	**1770**	2.500	1764	186.0	1807	2.15	10/15/2024
Sodium		5.00	S	**13200**	2.500	13510	-13040	13550	2.75	10/11/2024

Batch 229478 **SampType:** MBLK Units **mg/L**
SampID: MBLK-229478

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	10/10/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/10/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/10/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/10/2024

Batch 229478 **SampType:** LCS Units **mg/L**
SampID: LCS-229478

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.46**	2.500	0	98.5	85	115	10/10/2024
Magnesium		0.0500		**2.43**	2.500	0	97.0	85	115	10/10/2024
Potassium		0.100		**2.50**	2.500	0	99.9	85	115	10/10/2024
Sodium		0.0500		**2.53**	2.500	0	101.0	85	115	10/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 229291 **SampType:** MBLK Units µg/L

SampID: MBLK-229291

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	10/10/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	10/09/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	10/10/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	10/09/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	10/10/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	10/10/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	10/07/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	10/10/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	10/10/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	10/09/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	10/10/2024

Batch 229291 **SampType:** LCS Units µg/L

SampID: LCS-229291

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2010**	2000	0	100.5	80	120	10/10/2024
Arsenic		1.0		**526**	500.0	0	105.2	80	120	10/09/2024
Boron		25.0		**441**	500.0	0	88.2	80	120	10/10/2024
Cadmium		1.0		**48.6**	50.00	0	97.2	80	120	10/09/2024
Chromium		1.5		**201**	200.0	0	100.4	80	120	10/10/2024
Iron		25.0		**1910**	2000	0	95.5	80	120	10/10/2024
Lead		1.0		**481**	500.0	0	96.2	80	120	10/07/2024
Lithium	*	3.0		**452**	500.0	0	90.4	80	120	10/10/2024
Manganese		2.0		**494**	500.0	0	98.8	80	120	10/10/2024
Selenium		1.0		**505**	500.0	0	100.9	80	120	10/09/2024
Zinc		15.0		**464**	500.0	0	92.8	80	120	10/10/2024

Batch 229291 **SampType:** MS Units µg/L

SampID: 24091272-011CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1830**	2000	0	91.4	75	125	10/14/2024
Arsenic		1.0		**489**	500.0	20.31	93.7	75	125	10/14/2024
Iron		25.0		**3860**	2000	2311	77.4	75	125	10/14/2024
Lithium	*	3.0		**432**	500.0	2.662	85.8	75	125	10/14/2024
Manganese		2.0		**498**	500.0	48.98	89.8	75	125	10/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 229291 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24091272-011CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1890**	2000	0	94.3	1827	3.18	10/14/2024
Arsenic		1.0		**487**	500.0	20.31	93.4	488.6	0.28	10/14/2024
Iron		25.0		**3820**	2000	2311	75.7	3858	0.90	10/14/2024
Lithium	*	3.0		**441**	500.0	2.662	87.6	431.6	2.06	10/14/2024
Manganese		2.0		**498**	500.0	48.98	89.8	498.0	0.03	10/14/2024

Batch 229291 **SampType:** MS Units µg/L

SampID: 24091272-020CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1860**	2000	0	92.8	75	125	10/10/2024
Arsenic		1.0		**490**	500.0	20.58	93.8	75	125	10/10/2024
Iron		25.0		**3490**	2000	1614	94.0	75	125	10/10/2024
Lithium	*	3.0		**444**	500.0	2.209	88.4	75	125	10/10/2024
Manganese		2.0		**471**	500.0	17.03	90.8	75	125	10/10/2024

Batch 229291 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24091272-020CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1900**	2000	0	94.8	1856	2.10	10/10/2024
Arsenic		1.0		**494**	500.0	20.58	94.6	489.7	0.84	10/10/2024
Iron		25.0		**3560**	2000	1614	97.3	3494	1.88	10/10/2024
Lithium	*	3.0		**448**	500.0	2.209	89.2	444.4	0.90	10/10/2024
Manganese		2.0		**475**	500.0	17.03	91.7	470.8	0.96	10/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 229296 **SampType:** MBLK Units µg/L

SampID: MBLK-229296

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	10/07/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	10/10/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	10/07/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	10/07/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	10/07/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	10/07/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	10/07/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	10/07/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	10/07/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	10/07/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	10/07/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	10/07/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	10/07/2024

Batch 229296 **SampType:** LCS Units µg/L

SampID: LCS-229296

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2100**	2000	0	105.1	80	120	10/07/2024
Antimony		1.0		**440**	500.0	0	88.0	80	120	10/11/2024
Arsenic		1.0		**489**	500.0	0	97.8	80	120	10/07/2024
Boron		25.0		**516**	500.0	0	103.2	80	120	10/07/2024
Cadmium		1.0		**46.2**	50.00	0	92.4	80	120	10/07/2024
Chromium		1.5		**197**	200.0	0	98.3	80	120	10/07/2024
Iron		25.0		**1880**	2000	0	94.1	80	120	10/07/2024
Lead		1.0		**470**	500.0	0	94.0	80	120	10/07/2024
Lithium	*	3.0		**524**	500.0	0	104.9	80	120	10/07/2024
Manganese		2.0		**499**	500.0	0	99.9	80	120	10/07/2024
Selenium		1.0		**494**	500.0	0	98.8	80	120	10/07/2024
Vanadium		5.0		**481**	500.0	0	96.2	80	120	10/07/2024
Zinc		15.0		**448**	500.0	0	89.6	80	120	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 229296 **SampType:** MS Units **µg/L**

SampID: 24091272-049CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**501**	500.0	0.5180	100.1	75	125	10/07/2024
Boron		25.0		**944**	500.0	468.1	95.1	75	125	10/09/2024
Cadmium		1.0		**45.2**	50.00	0	90.4	75	125	10/07/2024
Chromium		1.5		**182**	200.0	0	91.2	75	125	10/07/2024
Iron		25.0		**1960**	2000	200.9	88.1	75	125	10/07/2024
Lead		1.0		**481**	500.0	0	96.3	75	125	10/07/2024
Manganese		10.0		**2050**	500.0	1570	96.9	75	125	10/09/2024
Selenium		1.0		**488**	500.0	0	97.6	75	125	10/07/2024
Zinc		15.0		**409**	500.0	0	81.7	75	125	10/07/2024

Batch 229296 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24091272-049CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**489**	500.0	0.5180	97.7	500.9	2.40	10/07/2024
Boron		25.0		**935**	500.0	468.1	93.4	943.5	0.89	10/09/2024
Cadmium		1.0		**43.2**	50.00	0	86.4	45.18	4.44	10/07/2024
Chromium		1.5		**177**	200.0	0	88.6	182.4	2.91	10/07/2024
Iron		25.0		**1910**	2000	200.9	85.6	1962	2.57	10/07/2024
Lead		1.0		**461**	500.0	0	92.3	481.3	4.25	10/07/2024
Manganese		10.0		**2050**	500.0	1570	95.2	2054	0.43	10/09/2024
Selenium		1.0		**474**	500.0	0	94.7	488.1	3.02	10/07/2024
Zinc		15.0		**396**	500.0	0	79.1	408.7	3.25	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 229389 **SampType:** MBLK Units **µg/L**

SampID: MBLK-229389

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	10/08/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	10/09/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	10/08/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	10/08/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	10/08/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	10/08/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	10/08/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	10/08/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	10/08/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	10/08/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	10/08/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	10/08/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	10/08/2024

Batch 229389 **SampType:** LCS Units **µg/L**

SampID: LCS-229389

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1950**	2000	0	97.5	80	120	10/08/2024
Antimony		1.0		**439**	500.0	0	87.8	80	120	10/09/2024
Arsenic		1.0		**478**	500.0	0	95.6	80	120	10/08/2024
Boron		25.0		**465**	500.0	0	92.9	80	120	10/08/2024
Cadmium		1.0		**45.5**	50.00	0	91.0	80	120	10/08/2024
Chromium		1.5		**196**	200.0	0	98.1	80	120	10/08/2024
Iron		25.0		**1880**	2000	0	94.0	80	120	10/08/2024
Lead		1.0		**464**	500.0	0	92.9	80	120	10/08/2024
Lithium	*	3.0		**465**	500.0	0	93.0	80	120	10/08/2024
Manganese		2.0		**481**	500.0	0	96.3	80	120	10/08/2024
Selenium		1.0		**475**	500.0	0	94.9	80	120	10/08/2024
Vanadium		5.0		**477**	500.0	0	95.4	80	120	10/08/2024
Zinc		15.0		**459**	500.0	0	91.8	80	120	10/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 229389 **SampType:** MS Units **µg/L**

SampID: 24091272-031CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**458**	500.0	0.9231	91.5	75	125	10/09/2024
Boron		25.0		**683**	500.0	251.3	86.3	75	125	10/09/2024
Cadmium		1.0		**42.3**	50.00	0	84.7	75	125	10/09/2024
Chromium		1.5		**180**	200.0	0	90.0	75	125	10/09/2024
Iron		25.0		**2030**	2000	255.7	88.7	75	125	10/09/2024
Lead		1.0		**442**	500.0	0	88.4	75	125	10/09/2024
Manganese		2.0		**864**	500.0	423.9	88.1	75	125	10/09/2024
Selenium		1.0		**428**	500.0	0	85.5	75	125	10/09/2024
Zinc		15.0		**415**	500.0	0	83.0	75	125	10/09/2024

Batch 229389 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24091272-031CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**466**	500.0	0.9231	93.0	458.3	1.65	10/09/2024
Boron		25.0		**699**	500.0	251.3	89.5	682.9	2.30	10/09/2024
Cadmium		1.0		**43.4**	50.00	0	86.8	42.33	2.46	10/09/2024
Chromium		1.5		**184**	200.0	0	92.2	180.0	2.46	10/09/2024
Iron		25.0		**2060**	2000	255.7	90.4	2029	1.68	10/09/2024
Lead		1.0		**452**	500.0	0	90.4	442.2	2.22	10/09/2024
Manganese		2.0		**885**	500.0	423.9	92.2	864.4	2.32	10/09/2024
Selenium		1.0		**438**	500.0	0	87.6	427.6	2.44	10/09/2024
Zinc		15.0		**427**	500.0	0	85.4	415.2	2.77	10/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 229474 **SampType:** MBLK Units **µg/L**

SampID: MBLK-229474

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	10/14/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	10/14/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	10/14/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	10/14/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	10/14/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	10/14/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	10/14/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	10/14/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	10/14/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	10/14/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	10/14/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	10/14/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	10/14/2024

Batch 229474 **SampType:** LCS Units **µg/L**

SampID: LCS-229474

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2240**	2000	0	111.9	80	120	10/14/2024
Antimony		1.0		**504**	500.0	0	100.8	80	120	10/14/2024
Arsenic		1.0		**537**	500.0	0	107.3	80	120	10/14/2024
Boron		25.0		**515**	500.0	0	103.0	80	120	10/14/2024
Cadmium		1.0	S	**60.6**	50.00	0	121.3	80	120	10/14/2024
Chromium		1.5		**213**	200.0	0	106.7	80	120	10/14/2024
Iron		25.0		**2140**	2000	0	106.9	80	120	10/14/2024
Lead		1.0		**531**	500.0	0	106.1	80	120	10/14/2024
Lithium	*	3.0		**511**	500.0	0	102.1	80	120	10/14/2024
Manganese		2.0		**557**	500.0	0	111.4	80	120	10/14/2024
Selenium		1.0		**541**	500.0	0	108.2	80	120	10/14/2024
Vanadium		5.0		**547**	500.0	0	109.4	80	120	10/14/2024
Zinc		15.0		**523**	500.0	0	104.6	80	120	10/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 229474 **SampType:** MS Units µg/L

SampID: 24091272-039CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**496**	500.0	0	99.2	75	125	10/14/2024
Boron		25.0		**512**	500.0	0	102.4	75	125	10/15/2024
Cadmium		1.0		**52.9**	50.00	0	105.8	75	125	10/14/2024
Chromium		1.5		**203**	200.0	3.561	99.8	75	125	10/15/2024
Iron		25.0	S	**1830**	2000	388.5	72.1	75	125	10/16/2024
Lead		1.0		**478**	500.0	0	95.6	75	125	10/14/2024
Selenium		1.0		**506**	500.0	0	101.2	75	125	10/14/2024
Zinc		15.0		**479**	500.0	0	95.7	75	125	10/15/2024

Batch 229474 **SampType:** MSD Units µg/L RPD Limit **20**

SampID: 24091272-039CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**490**	500.0	0	98.0	496.1	1.25	10/14/2024
Boron		25.0		**503**	500.0	0	100.5	512.1	1.85	10/15/2024
Cadmium		1.0		**52.3**	50.00	0	104.5	52.92	1.23	10/14/2024
Chromium		1.5		**199**	200.0	3.561	97.5	203.1	2.22	10/15/2024
Iron		25.0		**1900**	2000	388.5	75.6	1830	3.76	10/16/2024
Lead		1.0		**480**	500.0	0	95.9	477.9	0.36	10/14/2024
Selenium		1.0		**504**	500.0	0	100.9	506.2	0.38	10/14/2024
Zinc		15.0		**479**	500.0	0	95.8	478.6	0.11	10/15/2024

Batch 230354 **SampType:** MBLK Units µg/L

SampID: MBLK-230354

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	10/29/2024

Batch 230354 **SampType:** LCS Units µg/L

SampID: LCS-230354

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Manganese		2.0		**497**	500.0	0	99.4	80	120	10/29/2024

Batch 230462 **SampType:** MBLK Units µg/L

SampID: MBLK-230462

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	11/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230462 **SampType:** LCS Units µg/L

SampID: LCS-230462

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		25.0		**1920**	2000	0	96.0	80	120	11/01/2024

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229297 **SampType:** MBLK Units µg/L

SampID: MBLK-229297

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	10/08/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	10/07/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	10/07/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	10/07/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	10/07/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	10/07/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	10/07/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	10/07/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	10/07/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	10/07/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	10/07/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	10/07/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	10/07/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	10/07/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	10/07/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	10/07/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	10/07/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	10/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229297 **SampType:** LCS Units µg/L

SampID: LCS-229297

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**550**	500.0	0	110.1	80	120	10/08/2024
Arsenic		1.0		**509**	500.0	0	101.8	80	120	10/07/2024
Barium		1.0		**2080**	2000	0	104.0	80	120	10/07/2024
Beryllium		1.0		**46.7**	50.00	0	93.3	80	120	10/07/2024
Boron		25.0		**477**	500.0	0	95.4	80	120	10/07/2024
Cadmium		1.0		**55.2**	50.00	0	110.3	80	120	10/07/2024
Chromium		1.5		**203**	200.0	0	101.3	80	120	10/07/2024
Cobalt		1.0		**510**	500.0	0	102.0	80	120	10/07/2024
Iron		25.0		**1970**	2000	0	98.6	80	120	10/07/2024
Lead		1.0		**498**	500.0	0	99.6	80	120	10/07/2024
Lithium	*	3.0		**491**	500.0	0	98.2	80	120	10/07/2024
Manganese		2.0		**491**	500.0	0	98.3	80	120	10/07/2024
Molybdenum		1.5		**466**	500.0	0	93.2	80	120	10/07/2024
Selenium		1.0		**489**	500.0	0	97.8	80	120	10/07/2024
Silver		1.0		**57.7**	50.00	0	115.4	80	120	10/07/2024
Thallium		2.0		**238**	250.0	0	95.3	80	120	10/07/2024
Vanadium		5.0		**493**	500.0	0	98.6	80	120	10/07/2024
Zinc		15.0		**477**	500.0	0	95.4	80	120	10/07/2024

Batch 229297 **SampType:** MS Units µg/L

SampID: 24091272-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**556**	500.0	0	111.2	75	125	10/08/2024
Arsenic		1.0		**507**	500.0	9.929	99.4	75	125	10/07/2024
Barium		1.0		**2130**	2000	30.51	104.9	75	125	10/07/2024
Beryllium		1.0		**50.4**	50.00	0	100.8	75	125	10/07/2024
Boron		25.0		**594**	500.0	80.35	102.8	75	125	10/07/2024
Cadmium		1.0		**55.3**	50.00	0	110.5	75	125	10/07/2024
Chromium		1.5		**200**	200.0	2.018	98.9	75	125	10/07/2024
Cobalt		1.0		**470**	500.0	0.8831	93.8	75	125	10/07/2024
Lead		1.0		**501**	500.0	0.7010	100.1	75	125	10/07/2024
Lithium	*	3.0		**532**	500.0	23.59	101.6	75	125	10/07/2024
Molybdenum		1.5		**479**	500.0	6.480	94.5	75	125	10/07/2024
Selenium		1.0		**483**	500.0	0	96.6	75	125	10/07/2024
Thallium		2.0		**243**	250.0	0	97.3	75	125	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229297 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24091272-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**556**	500.0	0	111.2	556.2	0.01	10/08/2024
Arsenic		1.0		**517**	500.0	9.929	101.4	507.1	1.89	10/07/2024
Barium		1.0		**2120**	2000	30.51	104.3	2129	0.62	10/07/2024
Beryllium		1.0		**50.5**	50.00	0	100.9	50.40	0.14	10/07/2024
Boron		25.0		**590**	500.0	80.35	101.9	594.3	0.73	10/07/2024
Cadmium		1.0		**55.3**	50.00	0	110.6	55.26	0.11	10/07/2024
Chromium		1.5		**203**	200.0	2.018	100.2	199.7	1.39	10/07/2024
Cobalt		1.0		**475**	500.0	0.8831	94.8	470.1	1.06	10/07/2024
Lead		1.0		**499**	500.0	0.7010	99.7	501.2	0.37	10/07/2024
Lithium	*	3.0		**532**	500.0	23.59	101.7	531.8	0.09	10/07/2024
Molybdenum		1.5		**484**	500.0	6.480	95.4	479.0	0.95	10/07/2024
Selenium		1.0		**491**	500.0	0	98.1	483.0	1.58	10/07/2024
Thallium		2.0		**243**	250.0	0	97.3	243.2	0.01	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229350 **SampType:** MBLK Units **µg/L**

SampID: MBLK-229350

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	JS	**0.7**	0.4500	0	164.7	-100	100	10/08/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	10/09/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	10/08/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	10/10/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	10/10/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	10/09/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	10/10/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	10/10/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	10/10/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	10/10/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	10/08/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	10/10/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	10/10/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	10/09/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	10/08/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	10/09/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	10/09/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	10/08/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	10/10/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	10/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229350 **SampType:** LCS Units **µg/L**

SampID: LCS-229350

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	B	**557**	500.0	0	111.3	80	120	10/08/2024
Arsenic		1.0		**508**	500.0	0	101.5	80	120	10/09/2024
Barium		1.0		**2000**	2000	0	100.0	80	120	10/08/2024
Beryllium		1.0		**44.4**	50.00	0	88.9	80	120	10/10/2024
Boron		25.0		**441**	500.0	0	88.1	80	120	10/10/2024
Cadmium		1.0		**47.5**	50.00	0	94.9	80	120	10/09/2024
Chromium		1.5		**198**	200.0	0	99.0	80	120	10/10/2024
Cobalt		1.0		**491**	500.0	0	98.2	80	120	10/10/2024
Copper		1.0		**244**	250.0	0	97.4	80	120	10/10/2024
Iron		25.0		**1950**	2000	0	97.3	80	120	10/10/2024
Lead		1.0		**468**	500.0	0	93.7	80	120	10/08/2024
Lithium	*	3.0		**450**	500.0	0	90.0	80	120	10/10/2024
Manganese		2.0		**495**	500.0	0	99.1	80	120	10/10/2024
Molybdenum		1.5		**461**	500.0	0	92.2	80	120	10/09/2024
Selenium		1.0		**494**	500.0	0	98.8	80	120	10/09/2024
Selenium		1.0		**486**	500.0	0	97.2	80	120	10/08/2024
Silver		1.0		**53.7**	50.00	0	107.4	80	120	10/09/2024
Thallium		2.0		**223**	250.0	0	89.3	80	120	10/08/2024
Vanadium		5.0		**499**	500.0	0	99.7	80	120	10/10/2024
Zinc		15.0		**469**	500.0	0	93.9	80	120	10/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229380 **SampType:** MBLK Units **µg/L**

SampID: MBLK-229380

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	10/09/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	10/10/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	10/10/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	10/16/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	10/10/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	10/10/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	10/10/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	10/10/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	10/10/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	10/10/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	10/16/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	10/10/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	10/09/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	10/09/2024

Batch 229380 **SampType:** LCS Units **µg/L**

SampID: LCS-229380

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**569**	500.0	0	113.9	80	120	10/09/2024
Arsenic		1.0		**526**	500.0	0	105.3	80	120	10/10/2024
Barium		1.0		**2090**	2000	0	104.4	80	120	10/10/2024
Beryllium		1.0		**56.2**	50.00	0	112.4	80	120	10/16/2024
Boron		25.0		**496**	500.0	0	99.2	80	120	10/10/2024
Cadmium		1.0		**54.0**	50.00	0	108.1	80	120	10/10/2024
Chromium		1.5		**206**	200.0	0	103.1	80	120	10/10/2024
Cobalt		1.0		**494**	500.0	0	98.7	80	120	10/10/2024
Iron		25.0		**1960**	2000	0	97.9	80	120	10/10/2024
Lead		1.0		**498**	500.0	0	99.7	80	120	10/10/2024
Lithium	*	3.0		**512**	500.0	0	102.5	80	120	10/16/2024
Manganese		2.0		**516**	500.0	0	103.2	80	120	10/10/2024
Selenium		1.0		**525**	500.0	0	105.0	80	120	10/09/2024
Thallium		2.0		**245**	250.0	0	98.2	80	120	10/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229445 **SampType:** MBLK Units **µg/L**

SampID: MBLK-229445

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	10/10/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	10/10/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	10/10/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	10/10/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	10/10/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	10/10/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	10/10/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	10/10/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	10/10/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	10/10/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	10/10/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	10/10/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	10/10/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	10/10/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	10/10/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	10/10/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	10/10/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	10/10/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	10/10/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	10/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229445 **SampType:** LCS Units **µg/L**

SampID: LCS-229445

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**494**	500.0	0	98.8	80	120	10/10/2024
Arsenic		1.0		**522**	500.0	0	104.4	80	120	10/10/2024
Barium		1.0		**1920**	2000	0	95.8	80	120	10/10/2024
Beryllium		1.0		**52.3**	50.00	0	104.7	80	120	10/10/2024
Boron		25.0		**445**	500.0	0	89.0	80	120	10/10/2024
Cadmium		1.0		**54.2**	50.00	0	108.4	80	120	10/10/2024
Chromium		1.5		**218**	200.0	0	108.8	80	120	10/10/2024
Cobalt		1.0		**472**	500.0	0	94.3	80	120	10/10/2024
Copper		1.0		**263**	250.0	0	105.1	80	120	10/10/2024
Iron		25.0		**1790**	2000	0	89.6	80	120	10/10/2024
Lead		1.0		**457**	500.0	0	91.5	80	120	10/10/2024
Lithium	*	3.0		**568**	500.0	0	113.5	80	120	10/10/2024
Manganese		2.0		**515**	500.0	0	103.0	80	120	10/10/2024
Molybdenum		1.5		**472**	500.0	0	94.4	80	120	10/10/2024
Nickel		1.0		**455**	500.0	0	91.1	80	120	10/10/2024
Selenium		1.0		**507**	500.0	0	101.5	80	120	10/10/2024
Silver		1.0		**50.3**	50.00	0	100.5	80	120	10/10/2024
Thallium		2.0		**224**	250.0	0	89.4	80	120	10/10/2024
Vanadium		5.0		**503**	500.0	0	100.6	80	120	10/10/2024
Zinc		15.0		**540**	500.0	0	108.1	80	120	10/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229478 **SampType:** MBLK Units **µg/L**

SampID: MBLK-229478

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	10/17/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	10/10/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	10/10/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	10/11/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	10/10/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	10/10/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	10/10/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	10/10/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	10/11/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	10/11/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	10/10/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	10/10/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	10/11/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	10/10/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	10/10/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	10/10/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	10/10/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	10/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229478 **SampType:** LCS Units **µg/L**

SampID: LCS-229478

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	S	**635**	500.0	0	127.1	80	120	10/17/2024
Arsenic		1.0		**499**	500.0	0	99.9	80	120	10/10/2024
Beryllium		1.0		**52.2**	50.00	0	104.3	80	120	10/10/2024
Boron		25.0		**527**	500.0	0	105.5	80	120	10/11/2024
Cadmium		1.0		**53.8**	50.00	0	107.6	80	120	10/10/2024
Chromium		1.5		**201**	200.0	0	100.7	80	120	10/10/2024
Cobalt		1.0		**471**	500.0	0	94.2	80	120	10/10/2024
Copper		1.0		**247**	250.0	0	99.0	80	120	10/10/2024
Iron		25.0		**1960**	2000	0	98.2	80	120	10/11/2024
Lead		1.0		**498**	500.0	0	99.5	80	120	10/11/2024
Manganese		2.0		**497**	500.0	0	99.5	80	120	10/10/2024
Molybdenum		1.5		**468**	500.0	0	93.5	80	120	10/10/2024
Nickel		1.0		**478**	500.0	0	95.5	80	120	10/11/2024
Selenium		1.0		**485**	500.0	0	97.0	80	120	10/10/2024
Silver		1.0		**50.8**	50.00	0	101.5	80	120	10/10/2024
Thallium		2.0		**246**	250.0	0	98.4	80	120	10/10/2024
Vanadium		5.0		**503**	500.0	0	100.7	80	120	10/10/2024
Zinc		15.0		**522**	500.0	0	104.3	80	120	10/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24091272
Client Project: NEW-24Q4
Report Date: 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229478 **SampType:** MS Units **µg/L**
SampID: 24091272-002HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**573**	500.0	0.7281	114.4	75	125	10/17/2024
Arsenic		1.0		**581**	500.0	3.392	115.5	75	125	10/15/2024
Barium		1.0		**2890**	2000	741.5	107.4	75	125	10/15/2024
Beryllium		1.0		**53.2**	50.00	0	106.5	75	125	10/15/2024
Boron		25.0		**649**	500.0	172.2	95.3	75	125	10/15/2024
Cadmium		1.0		**54.5**	50.00	0	108.9	75	125	10/15/2024
Chromium		1.5		**210**	200.0	2.471	103.7	75	125	10/17/2024
Cobalt		1.0		**528**	500.0	1.425	105.3	75	125	10/15/2024
Copper		1.0		**258**	250.0	3.567	101.7	75	125	10/15/2024
Iron		25.0		**6320**	2000	4353	98.5	75	125	10/16/2024
Lead		1.0		**511**	500.0	0.9524	101.9	75	125	10/11/2024
Manganese		2.0		**619**	500.0	114.8	100.9	75	125	10/15/2024
Nickel		1.0		**515**	500.0	3.057	102.4	75	125	10/15/2024
Selenium		1.0		**614**	500.0	0	122.9	75	125	10/15/2024
Silver		1.0		**50.3**	50.00	0	100.6	75	125	10/15/2024
Thallium		2.0		**249**	250.0	0	99.8	75	125	10/11/2024
Vanadium		5.0		**551**	500.0	4.850	109.3	75	125	10/15/2024
Zinc		15.0		**539**	500.0	8.866	106.1	75	125	10/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229478 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24091272-002HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**562**	500.0	0.7281	112.3	572.6	1.86	10/17/2024
Arsenic		1.0		**554**	500.0	3.392	110.1	580.7	4.75	10/15/2024
Barium		1.0		**2780**	2000	741.5	101.9	2890	3.87	10/15/2024
Beryllium		1.0		**52.1**	50.00	0	104.2	53.23	2.18	10/15/2024
Boron		25.0		**660**	500.0	172.2	97.5	648.6	1.71	10/15/2024
Cadmium		1.0		**52.1**	50.00	0	104.3	54.46	4.34	10/15/2024
Chromium		1.5		**208**	200.0	2.471	102.7	210.0	1.03	10/17/2024
Cobalt		1.0		**518**	500.0	1.425	103.3	527.9	1.91	10/15/2024
Copper		1.0		**250**	250.0	3.567	98.6	257.9	3.05	10/15/2024
Iron		25.0		**6060**	2000	4353	85.6	6322	4.17	10/16/2024
Lead		1.0		**493**	500.0	0.9524	98.3	510.7	3.58	10/11/2024
Manganese		2.0		**604**	500.0	114.8	97.9	619.1	2.44	10/15/2024
Nickel		1.0		**505**	500.0	3.057	100.3	515.0	2.06	10/15/2024
Selenium		1.0		**578**	500.0	0	115.5	614.3	6.16	10/15/2024
Silver		1.0		**48.6**	50.00	0	97.1	50.29	3.46	10/15/2024
Thallium		2.0		**241**	250.0	0	96.6	249.4	3.25	10/11/2024
Vanadium		5.0		**546**	500.0	4.850	108.3	551.4	0.90	10/15/2024
Zinc		15.0		**517**	500.0	8.866	101.7	539.3	4.17	10/15/2024

Batch 229990 **SampType:** MBLK Units µg/L

SampID: MBLK-229990

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	10/22/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	10/23/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	10/22/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	10/22/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	10/22/2024

Batch 229990 **SampType:** LCS Units µg/L

SampID: LCS-229990

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**547**	500.0	0	109.4	80	120	10/22/2024
Chromium		1.5		**223**	200.0	0	111.4	80	120	10/23/2024
Iron		25.0		**1980**	2000	0	99.2	80	120	10/22/2024
Manganese		2.0		**518**	500.0	0	103.6	80	120	10/22/2024
Thallium		2.0		**226**	250.0	0	90.4	80	120	10/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229990 **SampType:** MS Units µg/L
SampID: 24091272-059CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0	S	**8730**	500.0	7753	195.3	75	125	10/22/2024
Chromium		30.0		**354**	200.0	147.9	103.1	75	125	10/23/2024
Iron		500	S	**70300**	2000	57780	627.9	75	125	10/23/2024
Manganese		40.0		**1130**	500.0	664.3	93.2	75	125	10/23/2024

Batch 229990 **SampType:** MSD Units µg/L RPD Limit **20**
SampID: 24091272-059CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		25.0	S	**7650**	500.0	7753	-19.9	8729	13.13	10/22/2024
Chromium		30.0		**353**	200.0	147.9	102.5	354.2	0.35	10/23/2024
Iron		500	S	**58100**	2000	57780	17.7	70330	19.00	10/23/2024
Manganese		40.0		**1110**	500.0	664.3	89.5	1131	1.65	10/23/2024

Batch 230070 **SampType:** MBLK Units µg/L
SampID: MBLK-230070

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	10/23/2024

Batch 230070 **SampType:** LCS Units µg/L
SampID: LCS-230070

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lithium	*	3.0		**528**	500.0	0	105.6	80	120	10/24/2024

Batch 230351 **SampType:** MBLK Units µg/L
SampID: MBLK-230351

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	10/31/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	10/31/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/01/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	10/31/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	10/31/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/01/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	10/31/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230351 **SampType:** LCS Units µg/L
SampID: LCS-230351

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**558**	500.0	0	111.7	80	120	10/31/2024
Chromium		1.5		**228**	200.0	0	114.2	80	120	10/31/2024
Copper		1.0		**263**	250.0	0	105.1	80	120	11/01/2024
Iron		25.0		**2120**	2000	0	105.9	80	120	10/31/2024
Lithium	*	3.0		**549**	500.0	0	109.8	80	120	10/31/2024
Molybdenum		1.5		**508**	500.0	0	101.6	80	120	11/01/2024

SW-846 7470A (DISSOLVED)

Batch 229476 **SampType:** MS Units µg/L
SampID: 24091272-055CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.73**	5.000	0	94.6	75	125	10/10/2024

Batch 229476 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24091272-055CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.37**	5.000	0	87.5	4.728	7.82	10/10/2024

SW-846 7470A (TOTAL)

Batch 229313 **SampType:** MBLK Units µg/L
SampID: MBLK-229313

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	10/07/2024

Batch 229313 **SampType:** LCS Units µg/L
SampID: LCS-229313

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.75**	5.000	0	95.0	85	115	10/07/2024

Batch 229313 **SampType:** MS Units µg/L
SampID: 24091272-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.83**	5.000	0	96.7	75	125	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 7470A (TOTAL)

Batch 229313 **SampType:** MSD Units µg/L RPD Limit 15

SampID: 24091272-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.87**	5.000	0	97.5	4.835	0.79	10/07/2024

Batch 229313 **SampType:** MS Units µg/L

SampID: 24091272-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.85**	5.000	0	97.0	75	125	10/07/2024

Batch 229313 **SampType:** MSD Units µg/L RPD Limit 15

SampID: 24091272-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.58**	5.000	0	91.6	4.852	5.78	10/07/2024

Batch 229315 **SampType:** MBLK Units µg/L

SampID: MBLK-229315

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	10/07/2024

Batch 229315 **SampType:** LCS Units µg/L

SampID: LCS-229315

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.49**	5.000	0	89.8	85	115	10/07/2024

Batch 229315 **SampType:** MS Units µg/L

SampID: 24091272-015BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.20**	5.000	0	84.0	75	125	10/07/2024

Batch 229315 **SampType:** MSD Units µg/L RPD Limit 15

SampID: 24091272-015BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.14**	5.000	0	82.8	4.202	1.46	10/07/2024

Batch 229315 **SampType:** MS Units µg/L

SampID: 24091272-016BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.48**	5.000	0	89.6	75	125	10/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 7470A (TOTAL)

Batch 229315 **SampType:** MSD Units µg/L RPD Limit 15

SampID: 24091272-016BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.47**	5.000	0	89.3	4.482	0.35	10/07/2024

Batch 229358 **SampType:** MBLK Units µg/L

SampID: MBLK-229358

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	10/08/2024

Batch 229358 **SampType:** LCS Units µg/L

SampID: LCS-229358

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.46**	5.000	0	89.2	85	115	10/08/2024

Batch 229358 **SampType:** MS Units µg/L

SampID: 24091272-001HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.47**	5.000	0	89.4	75	125	10/08/2024

Batch 229358 **SampType:** MSD Units µg/L RPD Limit 15

SampID: 24091272-001HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.52**	5.000	0	90.4	4.470	1.10	10/08/2024

Batch 229358 **SampType:** MS Units µg/L

SampID: 24091272-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.55**	5.000	0	91.1	75	125	10/08/2024

Batch 229358 **SampType:** MSD Units µg/L RPD Limit 15

SampID: 24091272-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.57**	5.000	0	91.3	4.554	0.26	10/08/2024

Batch 229360 **SampType:** MBLK Units µg/L

SampID: MBLK-229360

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	10/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24091272

Client Project: NEW-24Q4 **Report Date:** 12-Nov-24

SW-846 7470A (TOTAL)

Batch 229360 **SampType:** LCS Units µg/L
SampID: LCS-229360

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.34**	5.000	0	86.7	85	115	10/08/2024

Batch 229360 **SampType:** MS Units µg/L
SampID: 24091272-020BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.63**	5.000	0	92.5	75	125	10/08/2024

Batch 229360 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24091272-020BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.51**	5.000	0	90.3	4.626	2.46	10/08/2024

Batch 229360 **SampType:** MS Units µg/L
SampID: 24091272-023BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.50**	5.000	0	90.0	75	125	10/08/2024

Batch 229360 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24091272-023BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.46**	5.000	0	89.2	4.499	0.91	10/08/2024

Batch 229364 **SampType:** MBLK Units µg/L
SampID: MBLK-229364

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	10/08/2024

Batch 229364 **SampType:** LCS Units µg/L
SampID: LCS-229364

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.49**	5.000	0	89.8	85	115	10/08/2024

Batch 229364 **SampType:** MS Units µg/L
SampID: 24091272-052HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.45**	5.000	0	88.9	75	125	10/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24091272
Client Project: NEW-24Q4
Report Date: 12-Nov-24

SW-846 7470A (TOTAL)

Batch 229364 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24091272-052HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.45**	5.000	0	88.9	4.446	0.04	10/08/2024

Batch 229364 **SampType:** MS Units µg/L
SampID: 24091272-079CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.40**	5.000	0	88.0	75	125	10/08/2024

Batch 229364 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24091272-079CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.25**	5.000	0	85.0	4.402	3.46	10/08/2024

Batch 229394 **SampType:** MBLK Units µg/L
SampID: MBLK-229394

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	10/09/2024

Batch 229394 **SampType:** LCS Units µg/L
SampID: LCS-229394

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.49**	5.000	0	89.8	85	115	10/09/2024

Batch 229394 **SampType:** MS Units µg/L
SampID: 24091272-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.44**	5.000	0	88.9	75	125	10/09/2024

Batch 229394 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24091272-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.34**	5.000	0	86.9	4.444	2.29	10/09/2024

Batch 229394 **SampType:** MS Units µg/L
SampID: 24091272-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.66**	5.000	0	93.2	75	125	10/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24091272
Client Project: NEW-24Q4
Report Date: 12-Nov-24

SW-846 7470A (TOTAL)

Batch 229394 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24091272-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.59**	5.000	0	91.7	4.660	1.60	10/09/2024

Batch 229395 **SampType:** MBLK Units µg/L
SampID: MBLK-229395

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	10/09/2024

Batch 229395 **SampType:** LCS Units µg/L
SampID: LCS-229395

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.45**	5.000	0	89.0	85	115	10/09/2024

Batch 229395 **SampType:** MS Units µg/L
SampID: 24091272-081BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.49**	5.000	0	89.8	75	125	10/09/2024

Batch 229395 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24091272-081BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.53**	5.000	0	90.6	4.491	0.90	10/09/2024

Batch 229476 **SampType:** MBLK Units µg/L
SampID: MBLK-229476

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	10/10/2024

Batch 229476 **SampType:** LCS Units µg/L
SampID: LCS-229476

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.60**	5.000	0	91.9	85	115	10/10/2024

Batch 229476 **SampType:** MS Units µg/L
SampID: 24091272-077HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.50**	5.000	0	90.0	75	125	10/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24091272
Client Project: NEW-24Q4
Report Date: 12-Nov-24

SW-846 7470A (TOTAL)

Batch 229476 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24091272-077HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.33**	5.000	0	86.5	4.499	3.93	10/10/2024

Batch 229481 **SampType:** MBLK Units µg/L
SampID: MBLK-229481

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	10/10/2024

Batch 229481 **SampType:** LCS Units µg/L
SampID: LCS-229481

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.70**	5.000	0	94.0	85	115	10/10/2024

Batch 229481 **SampType:** MS Units µg/L
SampID: 24091272-078HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.69**	5.000	0	93.8	75	125	10/10/2024

Batch 229481 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24091272-078HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.55**	5.000	0	91.0	4.688	2.95	10/10/2024

Teklab, Inc. Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24091272
Client Project: NEW-24Q4
Report Date: 12-Nov-24

Carrier: Daniel Crump
Received By: AMD

Completed by: Amber Dilallo
On: 04-Oct-24

Reviewed by: Elizabeth A. Hurley
On: 09-Oct-24

Pages to follow: Chain of custody 18 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 1.9
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☑	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

Any No responses must be detailed below or on the COC.

Samples were received on 10/3/24 at 1600 on ice [1.9C - LTG#5]. pH strip #89660/96651. Additional Nitric Acid (99964) was needed in APW02 upon arrival at the laboratory. Additional Sodium Hydroxide (99725) was needed in A213, G106, G130, G133, G136, G139, R217D and A213 Duplicate upon arrival at the laboratory. - amberdilallo - 10/4/2024 8:54:25 AM

Samples were received on 10/7/24 at 1610 on ice [12.7C - LTG#5]. pH strip #89660/96651. Additional Nitric Acid (99964) was needed in S101 and S102 upon arrival at the laboratory. Additional Sulfuric Acid (99031) was needed in S101 and S102 upon arrival at the laboratory. Additional Sodium Hydroxide (99725) was needed in G125, G128 and G217S upon arrival at the laboratory. G105 was split and preserved with Nitric Acid (99964) upon arrival at the laboratory. - amberdilallo - 10/7/2024 5:03:21 PM

Samples were received on 10/8/24 at 1500 on ice [5.1C - LTG#5]. Additional Nitric Acid (99964) was needed in L1R, APW09, and APW07 upon arrival at the laboratory. Additional Sodium Hydroxide (99725) was needed in G231 upon arrival at the laboratory. L1R, Field Blank, and Equipment Blank 2 were filtered unpreserved and preserved with Nitric Acid (99964) and Sulfuric Acid (99031) for the dissolved parameters upon arrival at the laboratory. pH strip #98858/96651. Date and time of collection for sample A214 per Tracy Carroll. - JD/MLDII/amberdilallo - 10/9/2024 8:52:47 AM

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	WT	G	10-3-24	1141		14	7	1	2	3	1						X							24091272-001
2	A214	WT	WT	G				25	15	1	2	6	1						X							24091272-002
3	A215	WT	WT	G				14	7	1	2	3	1						X							24091272-003
4	APW02	WT	WT	G	10-2-24	1049		4	2		2								X			X		X	X	24091272-004
5	APW03	WT	WT	G				4	2		2								X			X		X	X	24091272-005
6	APW04	WT	WT	G				4	2		2								X			X		X	X	24091272-006
7	APW05	WT	WT	G	10-2-24	1146		3	1		2								X			X	X		X	24091272-007
8	APW05S	WT	WT	G	10-2-24	1218		3	1		2								X			X			X	24091272-008
9	APW06	WT	WT	G				3	1		2								X			X	X		X	24091272-009
10	APW07	WT	WT	G				3	1		2								X			X			X	24091272-010
11	APW08	WT	WT	G	10-2-24	0935		3	1		2								X			X			X	24091272-011
12	APW09	WT	WT	G				3	1		2								X			X			X	24091272-012
13	APW10	WT	WT	G	10-1-24	1158		3	1		2								X			X			X	24091272-013
14	APW11	WT	WT	G		1025		3	1		2								X			X			X	24091272-014
15	APW12	WT	WT	G		1103		3	1		2								X			X			X	24091272-015
16	APW13	WT	WT	G	↓	1247		3	1		2								X			X			X	24091272-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q4 Rev 0		10.3	1600		10/3/24	1600	19 #5	Y	N	
MS/MSD volume included fro A214 (organics).										

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 10-1-24				

JK HS PHV 96651/89660
ad HNO3(9964) to APW02
ad NaOH(99725) to *

LH 10/4/24

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000					Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14		WT	G	10-1-24	1333		3	1		2						X			X			X						24091272-017
2	APW15		WT	G	10-1-24	1426		3	1		2						X			X			X						24091272-018
3	APW16		WT	G	10-2-24	0905		3	1		2						X			X			X						24091272-019
4	APW17		WT	G	10-2-24	1018		3	1		2						X			X			X						24091272-020
5	APW18		WT	G	10-2-24	1121		3	1		2						X			X			X						24091272-021
6	APW19S		WT	G				3	1		2										X		X						24091272-022
7	APW20S		WT	G	10.2.24	1347		3	1		2										X		X						24091272-023
8	APW21S		WT	G	10.2.24	1248		3	1		2										X		X						24091272-024
9	APW22S		WT	G	10.2.24	1154		3	1		2										X		X						24091272-025
10	APW23		WT	G	10.2.24	1031		3	1		2										X		X						24091272-026
11	APW23S		WT	G	10.2.24	938		3	1		2										X		X						24091272-027
12	G104		WT	G				5	2	1	1		1						X										24091272-028
13	G104D		WT	G				0											X										24091272-029
14	G104S		WT	G				0											X										24091272-030
15	G105		WT	G				5	2	1	1		1						X										24091272-031
16	G106		WT	G	10-3-24	1315		5	2	1	1		1						X										24091272-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q4 Rev 0		10.3	1600		10/3/24	1600				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-1-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G109	WT	G				0												X						24091272-033
2	G111	WT	G				0												X						24091272-034
3	G112	WT	G				0												X						24091272-035
4	G113	WT	G				0												X						24091272-036
5	G114	WT	G				0												X						24091272-037
6	G115	WT	G				0												X						24091272-038
7	G116	WT	G				5	2	1	1		1							X			X			24091272-039
8	G117	WT	G				0												X						24091272-040
9	G118	WT	G				0												X						24091272-041
10	G119	WT	G				0												X						24091272-042
11	G120	WT	G				0												X						24091272-043
12	G125	WT	G				5	2	1	1		1							X						24091272-044
13	G128	WT	G				5	2	1	1		1							X						24091272-045
14	G130	WT	G	10/3/24	1328		5	2	1	1		1							X						24091272-046
15	G133	WT	G	10/3/24	1252		5	2	1	1		1							X						24091272-047
16	G136	WT	G	10/3/24	1158		5	2	1	1		1							X						24091272-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q4 Rev 0		10-3	1600		10/4/24	1100	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Tracy Carroll				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	10/3/24		

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G139	WT	G	10/3/24	1114		5	2	1	1		1							X						24091272-049
2	G141	WT	G				5	2	1	1		1							X						24091272-050
3	G217S	WT	G				5	2	1	1		1						X							24091272-051
4	G221	WT	G	10-3-24	1215		14	7	1	2	3	1						X							24091272-052
5	G225	WT	G				5	2	1	1		1						X							24091272-053
6	G230	WT	G	10-3-24	0904		5	2	1	1		1						X							24091272-054
7	G231	WT	G				5	2	1	1		1						X							24091272-055
8	G232	WT	G	10-3-24	0935		5	2	1	1		1						X							24091272-056
9	G233	WT	G	10-3-24	0956		5	2	1	1		1						X							24091272-057
10	G234	WT	G	10-3-24	1016		5	2	1	1		1						X							24091272-058
11	L1R	WT	G				7	2	3	2									X						24091272-059
12	L201	WT	G				0												X						24091272-060
13	L202	WT	G				0												X						24091272-061
14	L203	WT	G				0												X						24091272-062
15	L204	WT	G				0												X						24091272-063
16	L205	WT	G				0												X						24091272-064

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q4 Rev 0		10-3	1600		10/4/24	1100	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Tracy Carroll				
SIGNATURE of SAMPLER:					
DATE Signed (MM/DD/YY):	10/3/24				

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N. 500th St
	Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	R217D	WT	G	10-3-24	1101		14	7	1	2	3	1						X								24091272-065
2	R219	WT	G				14	7	1	2	3	1						X								24091272-066
3	S101	WT	G				7	2	3	2									X							24091272-067
4	S102	WT	G				7	2	3	2									X							24091272-068
5	SG02	WT	G				0										X			X						24091272-069
6	T101	WT	G	10/3/24	923		7	2	3	2									X							24091272-070
7	T102	WT	G	10/3/24	1016		7	2	3	2									X							24091272-071
8	XPW01	WT	G	removed/abandoned			0										X			X						24091272-072
9	XPW02	WT	G	removed/abandoned			0										X			X						24091272-073
10	XPW03	WT	G	removed/abandoned			0										X			X						24091272-074
11	XPW04	WT	G	removed/abandoned			0										X			X						24091272-075
12	XSG01	WT	G				0										X			X						24091272-076
13	Field Blank	WT	G				16	9	2	1	3	1					X	X	X	X	X	X	X			24091272-077
14	A213 Duplicate	WT	G	10-3-24	1141		14	7	1	2	3	1						X								24091272-078
15	APW02 Duplicate	WT	G	10-2-24	1049		4	2		2							X			X		X	X			24091272-079
16	G104 Duplicate	WT	G				5	2	1	1		1							X							24091272-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q4 Rev 0		10-3	1600		10/3/24	1600				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Davis

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10/2/24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW19S Duplicate	WT	G				3	1		2											X		X		24091272-081
2	Equipment Blank 1	WT	G				16	9	2	1	3	1					X	X	X	X	X	X	X		24091272-082
3	Equipment Blank 2	WT	G				16	9	2	1	3	1					X	X	X	X	X	X	X		24091272-083
4	Equipment Blank 3	WT	G				16	9	2	1	3	1					X	X	X	X	X	X	X		24091272-084
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q4 Rev 0		10-3	1600		10/3/24	1600				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 6

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N. 500th St, Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911
Fax:	
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: 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	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G				14	7	1	2	3	1						X							24091272-001
2	A214	WT	G				25	15	1	2	6	1						X							24091272-002
3	A215	WT	G				14	7	1	2	3	1						X							24091272-003
4	APW02	WT	G				4	2		2							X			X		X	X		24091272-004
5	APW03	WT	G	10.7.24	1123		4	2		2							X			X		X	X		24091272-005
6	APW04	WT	G	10.7.24	1223		4	2		2							X			X		X	X		24091272-006
7	APW05	WT	G				3	1		2							X			X	X		X		24091272-007
8	APW05S	WT	G				3	1		2							X			X			X		24091272-008
9	APW06	WT	G				3	1		2							X			X	X		X		24091272-009
10	APW07	WT	G				3	1		2							X			X			X		24091272-010
11	APW08	WT	G				3	1		2							X			X			X		24091272-011
12	APW09	WT	G				3	1		2							X			X			X		24091272-012
13	APW10	WT	G				3	1		2							X			X			X		24091272-013
14	APW11	WT	G				3	1		2							X			X			X		24091272-014
15	APW12	WT	G				3	1		2							X			X			X		24091272-015
16	APW13	WT	G				3	1		2							X			X			X		24091272-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q4 Rev 0	[signature]	10-7	1610	[signature]	10/7/24	1610	2.7 #5	Y	N	
MS/MSD volume included fro A214 (organics).										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 10.7.24 16:17

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Added HNO3 (99964) to S101 & S102.
Added H2SO4 (99031) to S101 & S102.
Added NaOH (99725) to G125, G128 & G275. Jackie Davis 10-7-24 16:17

pH ✓ 896660/966657 split G105 w/ HNO3 (99964) am 10/7/24

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14	WT	G				3	1		2						X			X			X		24091272-017
2	APW15	WT	G				3	1		2						X			X			X		24091272-018
3	APW16	WT	G				3	1		2						X			X			X		24091272-019
4	APW17	WT	G				3	1		2						X			X			X		24091272-020
5	APW18	WT	G				3	1		2						X			X			X		24091272-021
6	APW19S	WT	G	10.7.24	1035		3	1		2										X		X		24091272-022
7	APW20S	WT	G				3	1		2										X		X		24091272-023
8	APW21S	WT	G				3	1		2										X		X		24091272-024
9	APW22S	WT	G				3	1		2										X		X		24091272-025
10	APW23	WT	G				3	1		2										X		X		24091272-026
11	APW23S	WT	G				3	1		2										X		X		24091272-027
12	G104	WT	G	10-7-24	1020		5	2	1	1		1						X						24091272-028
13	G104D	WT	G				0											X						24091272-029
14	G104S	WT	G				0											X						24091272-030
15	G105	WT	G	10-7-24	1400		5	2	1	1		1						X						24091272-031
16	G106	WT	G				5	2	1	1		1						X						24091272-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q4 Rev 0		10-7	1610		10/7/24	1610				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 10/7/24 1617

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Jackie Davis 10/7/24 16:17

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																		
1	G109	WT	G				0												X						24091272-033
2	G111	WT	G				0												X						24091272-034
3	G112	WT	G				0												X						24091272-035
4	G113	WT	G				0												X						24091272-036
5	G114	WT	G				0												X						24091272-037
6	G115	WT	G				0												X						24091272-038
7	G116	WT	G				5	2	1	1		1							X			X			24091272-039
8	G117	WT	G				0												X						24091272-040
9	G118	WT	G				0												X						24091272-041
10	G119	WT	G				0												X						24091272-042
11	G120	WT	G				0												X						24091272-043
12	G125	WT	G	10-7-24	1137		5	2	1	1		1							X						24091272-044
13	G128	WT	G	10-7-24	1200		5	2	1	1		1							X						24091272-045
14	G130	WT	G				5	2	1	1		1							X						24091272-046
15	G133	WT	G				5	2	1	1		1							X						24091272-047
16	G136	WT	G				5	2	1	1		1							X						24091272-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q4 Rev 0		10-7	1610		10/7/24	1610		Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carril

SIGNATURE of SAMPLER: Tracy Carril DATE Signed (MM/DD/YY): 10.7.24 16:17

Jackie DeLois 10-7-24 16:17

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N. 500th St
	Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G139	WT	G				5	2	1	1		1							X						24091272-049
2	G141	WT	G	10-7-24	1238		5	2	1	1		1							X						24091272-050
3	G217S	WT	G	10-7-24	1052		5	2	1	1		1						X							24091272-051
4	G221	WT	G				14	7	1	2	3	1						X							24091272-052
5	G225	WT	G	10-7-24	1309		5	2	1	1		1						X							24091272-053
6	G230	WT	G				5	2	1	1		1						X							24091272-054
7	G231	WT	G				5	2	1	1		1						X							24091272-055
8	G232	WT	G				5	2	1	1		1						X							24091272-056
9	G233	WT	G				5	2	1	1		1						X							24091272-057
10	G234	WT	G				5	2	1	1		1						X							24091272-058
11	L1R	WT	G				7	2	3	2									X						24091272-059
12	L201	WT	G				0												X						24091272-060
13	L202	WT	G				0												X						24091272-061
14	L203	WT	G				0												X						24091272-062
15	L204	WT	G				0												X						24091272-063
16	L205	WT	G				0												X						24091272-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q4 Rev 0		10-7	1610		10/7/24	1610	

SAMPLE CONDITIONS	Y	N
Temp in °C		
Received on Ice (Y/N)		
Custody Sealed Cooler (Y/N)		
Samples Intact (Y/N)		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll

DATE Signed (MM/DD/YY): 10/7/24 16:17

Jackie Davis 10/7/24 16:17

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 5 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	R217D	WT	G				14	7	1	2	3	1					X							24091272-065
2	R219	WT	G				14	7	1	2	3	1					X							24091272-066
3	S101	WT	G	10.7.24	1305		7	2	3	2								X						24091272-067
4	S102	WT	G	10.7.24	1319		7	2	3	2								X						24091272-068
5	SG02	WT	G				0									X			X					24091272-069
6	T101	WT	G				7	2	3	2								X						24091272-070
7	T102	WT	G				7	2	3	2								X						24091272-071
8	XPW01	WT	G	removed/abandoned			0									X			X					24091272-072
9	XPW02	WT	G	removed/abandoned			0									X			X					24091272-073
10	XPW03	WT	G	removed/abandoned			0									X			X					24091272-074
11	XPW04	WT	G	removed/abandoned			0									X			X					24091272-075
12	XSG01	WT	G				0									X			X					24091272-076
13	Field Blank	WT	G				16	9	2	1	3	1				X	X	X	X	X	X	X		24091272-077
14	A213 Duplicate	WT	G				14	7	1	2	3	1					X							24091272-078
15	APW02 Duplicate	WT	G				4	2		2						X			X		X	X		24091272-079
16	G104 Duplicate	WT	G	10-7-24	1020		5	2	1	1		1						X						24091272-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q4 Rev 0		10-7	1610		10/7/24	1610		Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 10/7/24 16:17

Jackie Davis 10.7.24 16:17

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes)	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	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Preservatives								Requested Analysis Filtered (Y/N)									
1	APW19S Duplicate	WT	G	10.7.24	~~10:24~~ 10:35		3	1		2											X		X		24091272-081
2	Equipment Blank 1	WT	G				16	9	2	1	3	1					X	X	X	X	X	X	X		24091272-082
3	Equipment Blank 2	WT	G				16	9	2	1	3	1					X	X	X	X	X	X	X		24091272-083
4	Equipment Blank 3	WT	G				16	9	2	1	3	1					X	X	X	X	X	X	X		24091272-084
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
NEW-24Q4 Rev 0		10-7	1610		10/7/24	1610

SAMPLE CONDITIONS			
	Y	N	
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Traci Carroll

SIGNATURE of SAMPLER: Traci Carroll DATE Signed (MM/DD/YY): 10.7.24 16:17

Jackie Reeves 10-7-24 16:17

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G				14	7	1	2	3	1						X							24091272-001
2	A214	WT	G	10-8-24	1122		25	15	1	2	6	1						X							24091272-002
3	A215	WT	G	10-8-24	1041		14	7	1	2	3	1						X							24091272-003
4	APW02	WT	G				4	2		2							X			X		X	X		24091272-004
5	APW03	WT	G				4	2		2							X			X		X	X		24091272-005
6	APW04	WT	G				4	2		2							X			X		X	X		24091272-006
7	APW05	WT	G				3	1		2							X			X	X		X		24091272-007
8	APW05S	WT	G				3	1		2							X			X			X		24091272-008
9	APW06	WT	G	10-8-24	0933		3	1		2							X			X	X		X		24091272-009
10	APW07	WT	G	10-8-24	1005		3	1		2							X			X			X		24091272-010
11	APW08	WT	G				3	1		2							X			X			X		24091272-011
12	APW09	WT	G	10-8-24	1151		3	1		2							X			X			X		24091272-012
13	APW10	WT	G				3	1		2							X			X			X		24091272-013
14	APW11	WT	G				3	1		2							X			X			X		24091272-014
15	APW12	WT	G				3	1		2							X			X			X		24091272-015
16	APW13	WT	G				3	1		2							X			X			X		24091272-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q4 Rev 0	[signature]	10-8	1500	[signature]	10/8/24	1500	5.1 #5	Y	N	
MS/MSD volume included fro A214 (organics).							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cop

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-8-24 15:00

* Filter ~~IN Need~~ Lab TK 10-8-24

Added HNO3(99964) to Sample LIR, APW09, APW07

~~Added NaOH (99725) to Sample G231~~

PH 98858 5.1 #5

Jackie Davis 10/8/24 15:00

Date & time for A214 per Tracy Carroll OM 10/8/24

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14	WT	G				3	1		2							X			X			X			24091272-017
2	APW15	WT	G				3	1		2							X			X			X			24091272-018
3	APW16	WT	G				3	1		2							X			X			X			24091272-019
4	APW17	WT	G				3	1		2							X			X			X			24091272-020
5	APW18	WT	G				3	1		2							X			X			X			24091272-021
6	APW19S	WT	G				3	1		2											X		X			24091272-022
7	APW20S	WT	G				3	1		2											X		X			24091272-023
8	APW21S	WT	G				3	1		2											X		X			24091272-024
9	APW22S	WT	G				3	1		2											X		X			24091272-025
10	APW23	WT	G				3	1		2											X		X			24091272-026
11	APW23S	WT	G				3	1		2											X		X			24091272-027
12	G104	WT	G				5	2	1	1		1						X								24091272-028
13	G104D	WT	G				0											X								24091272-029
14	G104S	WT	G				0											X								24091272-030
15	G105	WT	G				5	2	1	1		1						X								24091272-031
16	G106	WT	G				5	2	1	1		1						X								24091272-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q4 Rev 0		10-8	1500		10/8/24	1500		Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: N/A

SIGNATURE of SAMPLER: SAH 10/9/24

DATE Signed (MM/DD/YY): 15:00

Jackie Davis 10/8/24 15:00

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G109	WT	G				0												X						24091272-033
2	G111	WT	G				0												X						24091272-034
3	G112	WT	G				0												X						24091272-035
4	G113	WT	G				0												X						24091272-036
5	G114	WT	G				0												X						24091272-037
6	G115	WT	G				0												X						24091272-038
7	G116	WT	G	10.8.24	1245		5	2	1	1		1							X			X			24091272-039
8	G117	WT	G				0												X						24091272-040
9	G118	WT	G				0												X						24091272-041
10	G119	WT	G				0												X						24091272-042
11	G120	WT	G				0												X						24091272-043
12	G125	WT	G				5	2	1	1		1							X						24091272-044
13	G128	WT	G				5	2	1	1		1							X						24091272-045
14	G130	WT	G				5	2	1	1		1							X						24091272-046
15	G133	WT	G				5	2	1	1		1							X						24091272-047
16	G136	WT	G				5	2	1	1		1							X						24091272-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N
NEW-24Q4 Rev 0		10-8	1500		10/8/24	1500			

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Tracy Carroll					
SIGNATURE of SAMPLER:	Tracy Carroll	DATE Signed (MM/DD/YY): 10.8.24 15:00				
Jackie Davis		10/8/24 15:00				

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N. 500th St
	Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G139	WT	G				5	2	1	1		1							X						24091272-049
2	G141	WT	G				5	2	1	1		1							X						24091272-050
3	G217S	WT	G				5	2	1	1		1						X							24091272-051
4	G221	WT	G				14	7	1	2	3	1						X							24091272-052
5	G225	WT	G				5	2	1	1		1						X							24091272-053
6	G230	WT	G				5	2	1	1		1						X							24091272-054
7	G231	WT	G	10.8.24	1046		5	2	1	1		1						X							24091272-055
8	G232	WT	G				5	2	1	1		1						X							24091272-056
9	G233	WT	G				5	2	1	1		1						X							24091272-057
10	G234	WT	G				5	2	1	1		1						X							24091272-058
11	L1R *	WT	G	10.8.24	1147		7	2	3	2									X						24091272-059
12	L201	WT	G				0												X						24091272-060
13	L202	WT	G				0												X						24091272-061
14	L203	WT	G				0												X						24091272-062
15	L204	WT	G				0												X						24091272-063
16	L205	WT	G				0												X						24091272-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N
NEW-24Q4 Rev 0		10-8	1500		10/8/24	1500			

* Filter In Lab

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 10/8/24 15:00

Jackie Davis 10/8/24 15:00

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
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Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000					Residual Chlorine (Y/N)	Project No./ Lab I.D.
	Requested Analysis Filtered (Y/N)																											
1	R217D	WT	G				14	7	1	2	3	1						X										24091272-065
2	R219	WT	G	10-8-24	1117		14	7	1	2	3	1						X										24091272-066
3	S101	WT	G				7	2	3	2									X									24091272-067
4	S102	WT	G				7	2	3	2									X									24091272-068
5	SG02	WT	G				0										X			X								24091272-069
6	T101	WT	G				7	2	3	2									X									24091272-070
7	T102	WT	G				7	2	3	2									X									24091272-071
8	XPW01	WT	G	removed/abandoned			0										X			X								24091272-072
9	XPW02	WT	G	removed/abandoned			0										X			X								24091272-073
10	XPW03	WT	G	removed/abandoned			0										X			X								24091272-074
11	XPW04	WT	G	removed/abandoned			0										X			X								24091272-075
12	XSG01	WT	G				0										X			X								24091272-076
13	Field Blank	WT	G	10-8-24	1206		16	9	2	1	3	1					X	X	X	X	X	X	X					24091272-077
14	A213 Duplicate	WT	G				14	7	1	2	3	1						X										24091272-078
15	APW02 Duplicate	WT	G				4	2		2							X			X		X	X					24091272-079
16	G104 Duplicate	WT	G				5	2	1	1		1							X										24091272-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q4 Rev 0		10-8	1500		10/8/24	1500				

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:						
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 10.8.24 1500				
Jackie Davis		10/8/24 15:00				

24091272

CHAIN-OF-CUSTODY / Analytical Request Document

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	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Section D Required Client Information	Valid Matrix Codes MATRIX	CODE
SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	DRINKING WATER	DW
	WATER	WT
	WASTE WATER	WW
	PRODUCT	P
	SOIL/SOLID	SL
	OIL	OL
	WIPE	WP
	AIR	AR
	OTHER	OT
	TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N Analysis Test	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW19S Duplicate	WT	G				3	1		2											X		X		24091272-081
2	Equipment Blank 1	WT	G				16	9	2	1	3	1					X	X	X	X	X	X	X		24091272-082
3	Equipment Blank 2	WT	G	10.8.24	1250		16	9	2	1	3	1					X	X	X	X	X	X	X		24091272-083
4	Equipment Blank 3	WT	G				16	9	2	1	3	1					X	X	X	X	X	X	X		24091272-084
5																									
6																									
7																									
8																									
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11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q4 Rev 0		10-8	1500		10/8/24	1500	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Tracy Barrett				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	10.8.24	15:00	
Jackie Davis			10/8/24	15:00	

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

November 07, 2024

Eric Bauer
Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
TEL: (414) 837-3607
FAX: (414) 837-3608

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: NEW-24Q4 **WorkOrder:** 24091273

Dear Eric Bauer:

TEKLAB, INC received 30 samples on 10/8/2024 3:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Elizabeth A. Hurley

Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

Client: Ramboll
Work Order: 24091273
Client Project: NEW-24Q4
Report Date: 07-Nov-24

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Abbr	Definition
*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Definitions

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- C - RL shown is a Client Requested Quantitation Limit
- E - Value above quantitation range
- H - Holding times exceeded
- I - Associated internal standard was outside method criteria
- J - Analyte detected below quantitation limits
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- T - TIC(Tentatively identified compound)
- X - Value exceeds Maximum Contaminant Level

Case Narrative

Client: Ramboll
Client Project: NEW-24Q4

Work Order: 24091273
Report Date: 07-Nov-24

Cooler Receipt Temp: 1.9 °C

An employee of Teklab, Inc. collected the sample(s).

Equipment Blank 1 and Equipment Blank 3 were not used.

Ra226/228 analyses were performed by Eurofins St. Louis. See attached report for results and QC.

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Accreditations

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-001 **Client Sample ID:** APW02

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 10:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/30/2024 12:06	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-002 **Client Sample ID:** APW03

Matrix: GROUNDWATER **Collection Date:** 10/07/2024 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/30/2024 12:06	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-003 **Client Sample ID:** APW04

Matrix: GROUNDWATER **Collection Date:** 10/07/2024 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/30/2024 12:06	R355774

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-004 **Client Sample ID:** APW05

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 11:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/30/2024 12:06	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-005 **Client Sample ID:** APW05S

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 12:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/30/2024 12:07	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-006 **Client Sample ID:** APW06

Matrix: GROUNDWATER **Collection Date:** 10/08/2024 9:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/30/2024 12:04	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-007 **Client Sample ID:** APW07

Matrix: GROUNDWATER **Collection Date:** 10/08/2024 10:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/30/2024 12:04	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-008 **Client Sample ID:** APW08

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 9:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/30/2024 12:04	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-009 **Client Sample ID:** APW09

Matrix: GROUNDWATER **Collection Date:** 10/08/2024 11:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/30/2024 12:04	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-010 **Client Sample ID:** APW10

Matrix: GROUNDWATER **Collection Date:** 10/01/2024 11:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/30/2024 12:04	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-011 **Client Sample ID:** APW11

Matrix: GROUNDWATER **Collection Date:** 10/01/2024 10:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/30/2024 12:04	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-012 **Client Sample ID:** APW12

Matrix: GROUNDWATER **Collection Date:** 10/01/2024 11:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:22	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-013 **Client Sample ID:** APW13

Matrix: GROUNDWATER **Collection Date:** 10/01/2024 12:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:22	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-014 **Client Sample ID:** APW14

Matrix: GROUNDWATER **Collection Date:** 10/01/2024 13:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:22	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-015 **Client Sample ID:** APW15

Matrix: GROUNDWATER **Collection Date:** 10/01/2024 14:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:22	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-016 **Client Sample ID:** APW16

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 9:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:22	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-017 **Client Sample ID:** APW17

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 10:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:22	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-018 **Client Sample ID:** APW18

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:22	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24091273
Client Project: NEW-24Q4
Report Date: 07-Nov-24
Lab ID: 24091273-019
Client Sample ID: APW19S
Matrix: GROUNDWATER
Collection Date: 10/07/2024 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:22	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-020 **Client Sample ID:** APW20S

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:22	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-021 **Client Sample ID:** APW21S

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:22	R355774

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-022 **Client Sample ID:** APW22S

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 11:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:22	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-023 **Client Sample ID:** APW23

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 10:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:22	R355774

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-024 **Client Sample ID:** APW23S

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 9:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:22	R355774

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-025 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 10/08/2024 12:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:25	R355774

Laboratory Results

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-026 **Client Sample ID:** APW02 Duplicate

Matrix: GROUNDWATER **Collection Date:** 10/02/2024 10:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:25	R355774

Laboratory Results

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-027 **Client Sample ID:** APW19S Duplicate

Matrix: GROUNDWATER **Collection Date:** 10/07/2024 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:25	R355774

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24091273

Client Project: NEW-24Q4 **Report Date:** 07-Nov-24

Lab ID: 24091273-029 **Client Sample ID:** Equipment Blank 2

Matrix: AQUEOUS **Collection Date:** 10/08/2024 12:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	10/28/2024 12:26	R355774

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: NEW-24Q4

Work Order: 24091273
Report Date: 07-Nov-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24091273-001	APW02	Groundwater	1	10/02/2024 10:49
24091273-002	APW03	Groundwater	1	10/07/2024 11:23
24091273-003	APW04	Groundwater	1	10/07/2024 12:23
24091273-004	APW05	Groundwater	1	10/02/2024 11:46
24091273-005	APW05S	Groundwater	1	10/02/2024 12:18
24091273-006	APW06	Groundwater	1	10/08/2024 9:33
24091273-007	APW07	Groundwater	1	10/08/2024 10:05
24091273-008	APW08	Groundwater	1	10/02/2024 9:35
24091273-009	APW09	Groundwater	1	10/08/2024 11:51
24091273-010	APW10	Groundwater	1	10/01/2024 11:58
24091273-011	APW11	Groundwater	1	10/01/2024 10:25
24091273-012	APW12	Groundwater	1	10/01/2024 11:03
24091273-013	APW13	Groundwater	1	10/01/2024 12:47
24091273-014	APW14	Groundwater	1	10/01/2024 13:33
24091273-015	APW15	Groundwater	1	10/01/2024 14:26
24091273-016	APW16	Groundwater	1	10/02/2024 9:05
24091273-017	APW17	Groundwater	1	10/02/2024 10:18
24091273-018	APW18	Groundwater	1	10/02/2024 11:21
24091273-019	APW19S	Groundwater	1	10/07/2024 10:35
24091273-020	APW20S	Groundwater	1	10/02/2024 13:47
24091273-021	APW21S	Groundwater	1	10/02/2024 12:48
24091273-022	APW22S	Groundwater	1	10/02/2024 11:54
24091273-023	APW23	Groundwater	1	10/02/2024 10:31
24091273-024	APW23S	Groundwater	1	10/02/2024 9:38
24091273-025	Field Blank	Aqueous	1	10/08/2024 12:06
24091273-026	APW02 Duplicate	Groundwater	1	10/02/2024 10:49
24091273-027	APW19S Duplicate	Groundwater	1	10/07/2024 10:35
24091273-028	Equipment Blank 1	Aqueous	1	
24091273-029	Equipment Blank 2	Aqueous	1	10/08/2024 12:50
24091273-030	Equipment Blank 3	Aqueous	1	

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Client Project: NEW-24Q4

Work Order: 24091273
Report Date: 07-Nov-24

Carrier: Daniel Crump

Received By: AMD

Completed by: Amber Dilallo
On: 04-Oct-24

Reviewed by: Elizabeth A. Hurley
On: 09-Oct-24

Pages to follow: Chain of custody 18 Extra pages included 32

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 1.9
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

Samples were received on 10/3/24 at 1600 on ice [1.9C - LTG#5]. pH strip #96651. Additional Nitric Acid (99964) was needed in APW02, APW12, APW15, APW16, APW20S and APW22Supon arrival at the laboratory. - amberdilallo - 10/4/2024 9:36:45 AM

Samples were received on 10/7/24 at 1610 on ice [12.7C - LTG#5]. pH strip #96651. Additional Nitric Acid (99964) was needed in APW04, APW195 and APW195 Duplicate upon arrival at the laboratory. - amberdilallo - 10/7/2024 5:06:15 PM

Samples were received on 10/8/24 at 1500 on ice [5.1C - LTG#5]. Additional Nitric Acid (99964) was needed in APW07 and APW09 upon arrival at the laboratory. pH strip #96651. - amberdilallo - 10/9/2024 8:40:39 AM

24091273

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 6

Section A Required Client Information:

Company:	Vistra Corp-Newton
Address:	6725 N. 500th St, Newton, IL 62448
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911
Fax:	
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

Ra226/228, only

Section D Required Client Information

Valid Matrix Codes — MATRIX / CODE: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./Lab I.D.
1	A213			10-3-24	1141													X							N/A
2	A214																	X							N/A
3	A215																	X							N/A
4	APW02 *	WT	G	10-2-24	1049		2			2							X			X		X	X		24091273-001
5	APW03	WT	G				2			2							X			X		X	X		24091273-002
6	APW04	WT	G				2			2							X			X		X	X		24091273-003
7	APW05	WT	G	10-2-24	1146		2			2							X			X	X		X		24091273-004
8	APW05S *	WT	G	10-2-24	1218		2			2							X			X			X		24091273-005
9	APW06	WT	G				2			2							X			X	X		X		24091273-006
10	APW07	WT	G				2			2							X			X			X		24091273-007
11	APW08	WT	G	10-2-24	0935		2			2							X			X			X		24091273-008
12	APW09	WT	G				2			2							X			X			X		24091273-009
13	APW10	WT	G	10-1-24	1158		2			2							X			X			X		24091273-010
14	APW11	WT	G	↓	1025		2			2							X			X			X		24091273-011
15	APW12 *	WT	G	↓	1103		2			2							X			X			X		24091273-012
16	APW13	WT	G	↓	1247		2			2							X			X			X		24091273-013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q4 Rev 0	[signature]	10-3	1600	[signature]	10/3/24	1600	1.9 #5	Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 10-1-24

pH ✓ 966651
Added HNO3 (9996?4)
APW02 2/2, APW05S 1/2, APW12 1/2, APW15 2/2, APW16 2/2,
APW20S 1/2, APW22S 1/2 [illegible]

24091273

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

Ra226/228, only

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW14		WT	G	10-1-24	1333		2			2						X			X			X		24091273-014
2	APW15		WT	G	10-1-24	1426		2			2						X			X			X		24091273-015
3	APW16		WT	G	10-2-24	0905		2			2						X			X			X		24091273-016
4	APW17		WT	G	10-2-24	1018		2			2						X			X			X		24091273-017
5	APW18		WT	G	10-2-24	1121		2			2						X			X			X		24091273-018
6	APW19S		WT	G				2			2										X		X		24091273-019
7	APW20S		WT	G	10.2.24	1347		2			2										X		X		24091273-020
8	APW21S		WT	G	10.2.24	1248		2			2										X		X		24091273-021
9	APW22S		WT	G	10.2.24	1154		2			2										X		X		24091273-022
10	APW23		WT	G	10.2.24	1031		2			2										X		X		24091273-023
11	APW23S		WT	G	10.2.24	938		2			2										X		X		24091273-024
12	G104																		X						N/A
13	G104D																		X						N/A
14	G104S																		X						N/A
15	G105																		X						N/A
16	G106				10-3-24	1315													X						N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
NEW-24Q4 Rev 0		10-3	1600		10/3/24	1600

SAMPLE CONDITIONS: Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 10-1-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Ra226/228, only: Project No./ Lab I.D.
1	G109																		X						N/A
2	G111																		X						N/A
3	G112																		X						N/A
4	G113																		X						N/A
5	G114																		X						N/A
6	G115																		X						N/A
7	G116																		X			X			N/A
8	G117																		X						N/A
9	G118																		X						N/A
10	G119																		X						N/A
11	G120																		X						N/A
12	G125																		X						N/A
13	G128																		X						N/A
14	G130			10/3/24	1328														X						N/A
15	G133			10/3/24	1252														X						N/A
16	G136			10/3/24	1158														X						N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q4 Rev 0		10-3	1600		10/3/24	1600	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Troy Carr		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 10/3/24				

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

L2409123

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker	REGULATORY AGENCY
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp	NPDES GROUND WATER DRINKING WATER
	Newton, IL 62448			Address:	see Section A	UST RCRA OTHER
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:		
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:		Site Location STATE: IL
Requested Due Date/TAT:	10 day	Project Number:		Profile #:		

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
	Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS															Requested Analysis Filtered (Y/N)								Ra226/228, only
1	G139			10/3/24	1114														X						N/A
2	G141																		X						N/A
3	G217S																	X							N/A
4	G221			10-3-24	1215													X							N/A
5	G225																	X							N/A
6	G230			10-3-24	0904													X							N/A
7	G231																	X							N/A
8	G232			10-3-24	0935													X							N/A
9	G233			↓	0956													X							N/A
10	G234			↓	1016													X							N/A
11	L1R																		X						N/A
12	L201																		X						N/A
13	L202																		X						N/A
14	L203																		X						N/A
15	L204																		X						N/A
16	L205																		X						N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q4 Rev 0		10-3	1620		10/3/24	1620				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER:	Tracy Carroll	
SIGNATURE of SAMPLER:	Tracy Carroll	DATE Signed (MM/DD/YY): 10/3/24

24091273

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Ra226/228, only: Project No./ Lab I.D.
1	R217D			10-3-24	1101													X							N/A
2	R219																	X							N/A
3	S101																		X						N/A
4	S102																		X						N/A
5	SG02																X			X					N/A
6	T101			10/3/24	923														X						N/A
7	T102			10/3/24	1016														X						N/A
8	XPW01																X			X					N/A
9	XPW02																X			X					N/A
10	XPW03																X			X					N/A
11	XPW04																X			X					N/A
12	XSG01																X			X					N/A
13	Field Blank	WT	G				2			2							X	X	X	X	X	X	X		24091273-025
14	A213 Duplicate			10-3-21	1141													X							N/A
15	APW02 Duplicate	WT	G	10-2-24	1049		2			2							X			X		X	X		24091273-026
16	APW19S Duplicate	WT	G				2			2											X		X		24091273-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
NEW-24Q4 Rev 0		10-3	1200		10/3/24	1000

SAMPLE CONDITIONS

	Y	N	
Temp in °C			
Received on Ice (Y/N)			
Custody Sealed Cooler (Y/N)			
Samples Intact (Y/N)			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll

DATE Signed (MM/DD/YY): 10/2/24

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

24091273
NEW-257-501
Page: 6 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY: NPDES, GROUND WATER, DRINKING WATER, UST, RCRA, OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

Ra226/228, only

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 /, -)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X		24091273-028
2	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X	X		24091273-029
3	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X		24091273-030
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q4 Rev 0		10-3	1600		10/3/24	1600	

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: (MM/DD/YY):

24091273

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

Ra226/228, only

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213																X							N/A
2	A214																X							N/A
3	A215																X							N/A
4	APW02	WT	G				2			2						X			X		X	X		24091273-001
5	APW03	WT	G	10.7.24	1123		2			2						X			X		X	X		24091273-002
6	APW04	WT	G	10.7.24	1223		2			2						X			X		X	X		24091273-003
7	APW05	WT	G				2			2						X			X	X		X		24091273-004
8	APW05S	WT	G				2			2						X			X			X		24091273-005
9	APW06	WT	G				2			2						X			X	X		X		24091273-006
10	APW07	WT	G				2			2						X			X			X		24091273-007
11	APW08	WT	G				2			2						X			X			X		24091273-008
12	APW09	WT	G				2			2						X			X			X		24091273-009
13	APW10	WT	G				2			2						X			X			X		24091273-010
14	APW11	WT	G				2			2						X			X			X		24091273-011
15	APW12	WT	G				2			2						X			X			X		24091273-012
16	APW13	WT	G				2			2						X			X			X		24091273-013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q4 Rev 0		10-7	1610		10/7/24	1610	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tony Carroll

SIGNATURE of SAMPLER: Tony Carroll DATE Signed (MM/DD/YY): 10-7-24 16:17

Jack Davis 10-7-24 16:17

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
2.7 #5	Y	N	

Added HNO_3 (99164) to 2/2 APW04, APW195, & APW195 Dup @ 10/7 pH ✓ 99151

24091273

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
																Requested Analysis Filtered (Y/N)									Ra226/228, only
1	APW14	WT	G				2			2							X			X			X		24091273-014
2	APW15	WT	G				2			2							X			X			X		24091273-015
3	APW16	WT	G				2			2							X			X			X		24091273-016
4	APW17	WT	G				2			2							X			X			X		24091273-017
5	APW18	WT	G				2			2							X			X			X		24091273-018
6	APW19S	WT	G	10.7.24	1035		2			2											X		X		24091273-019
7	APW20S	WT	G				2			2											X		X		24091273-020
8	APW21S	WT	G				2			2											X		X		24091273-021
9	APW22S	WT	G				2			2											X		X		24091273-022
10	APW23	WT	G				2			2											X		X		24091273-023
11	APW23S	WT	G				2			2											X		X		24091273-024
12	G104			10-7-24	1020														X						N/A
13	G104D																		X						N/A
14	G104S																		X						N/A
15	G105			10-7-24	1400														X						N/A
16	G106																		X						N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q4 Rev 0		10-7	1610		10/7/24	1610		Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10.7.24 16:17

[signature] 10-7-24 16:17

L409173

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Ra226/228, only: Project No./ Lab I.D.
1	G109																		X						N/A
2	G111																		X						N/A
3	G112																		X						N/A
4	G113																		X						N/A
5	G114																		X						N/A
6	G115																		X						N/A
7	G116																		X			X			N/A
8	G117																		X						N/A
9	G118																		X						N/A
10	G119																		X						N/A
11	G120																		X						N/A
12	G125			10-7-24	1132														X						N/A
13	G128			10-7-24	1200														X						N/A
14	G130																		X						N/A
15	G133																		X						N/A
16	G136																		X						N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q4 Rev 0		10-7	1610		10/7/24	1610				

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Tracy Carroll					
SIGNATURE of SAMPLER:	Tracy Carroll	DATE Signed (MM/DD/YY): 10.7.24 16:17				
	Amanda Davis	10-7-24 16:17				

24091273

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
																Requested Analysis Filtered (Y/N)									Ra226/228, only
1	G139																		X						N/A
2	G141			10-7-24	1238														X						N/A
3	G217S			10-7-24	1052													X							N/A
4	G221																	X							N/A
5	G225			10-7-24	1309													X							N/A
6	G230																	X							N/A
7	G231																	X							N/A
8	G232																	X							N/A
9	G233																	X							N/A
10	G234																	X							N/A
11	L1R																		X						N/A
12	L201																		X						N/A
13	L202																		X						N/A
14	L203																		X						N/A
15	L204																		X						N/A
16	L205																		X						N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q4 Rev 0		10-7	1618		10/7/24	1618	

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	Tracy Conrad			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	10/7/24 16:17				

Jackie Davis 10-7-24 16:17

24091273

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY			
NPDES	GROUND WATER	DRINKING WATER	
UST	RCRA	OTHER	
Site Location STATE:	IL		

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

Ra226/228, only

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	R217D																	X							N/A
2	R219																	X							N/A
3	S101			10.7.24	1309														X						N/A
4	S102			10.7.24	1319														X						N/A
5	SG02																X			X					N/A
6	T101																		X						N/A
7	T102																		X						N/A
8	XPW01																X			X					N/A
9	XPW02																X			X					N/A
10	XPW03																X			X					N/A
11	XPW04																X			X					N/A
12	XSG01																X			X					N/A
13	Field Blank	WT	G				2			2							X	X	X	X	X	X	X		24091273-025
14	A213 Duplicate																	X							N/A
15	APW02 Duplicate	WT	G				2			2							X			X		X	X		24091273-026
16	APW19S Duplicate	WT	G	10.7.24	1035		2			2											X		X		24091273-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q4 Rev 0		10-7	1610							

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	Tracy Carroll		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 10/7/24 16:17				

CHAIN-OF-CUSTODY / Analytical Request Document

Jackie Davis 10/7/24 16:17

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

Ra226/228, only

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Equipment Blank 1		WT	G				2			2							X	X	X	X	X	X	X		24091273-028
2	Equipment Blank 2		WT	G				2			2							X	X	X	X	X	X	X		24091273-029
3	Equipment Blank 3		WT	G				2			2							X	X	X	X	X	X	X		24091273-030
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										
13																										
14																										
15																										
16																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q4 Rev 0		10-7	1610		10/7/24	1610	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Davis

SIGNATURE of SAMPLER: (MM/DD/YY): 10/7/24 16:17

Tracy Davis 10-7-24 16:17

24091273

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
																Requested Analysis Filtered (Y/N)									Ra226/228, only
1	A213																	X							N/A
2	A214																	X							N/A
3	A215			10-8-24	1041													X							N/A
4	APW02	WT	G				2			2							X			X		X	X			24091273-001
5	APW03	WT	G				2			2							X			X		X	X			24091273-002
6	APW04	WT	G				2			2							X			X		X	X			24091273-003
7	APW05	WT	G				2			2							X			X	X		X			24091273-004
8	APW05S	WT	G				2			2							X			X			X			24091273-005
9	APW06	WT	G	10-9-24	0933		2			2							X			X	X		X			24091273-006
10	APW07	WT	G	10-8-24	1005		2			2							X			X			X			24091273-007
11	APW08	WT	G				2			2							X			X			X			24091273-008
12	APW09	WT	G	10-8-24	1457		2			2							X			X			X			24091273-009
13	APW10	WT	G				2			2							X			X			X			24091273-010
14	APW11	WT	G				2			2							X			X			X			24091273-011
15	APW12	WT	G				2			2							X			X			X			24091273-012
16	APW13	WT	G				2			2							X			X			X			24091273-013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q4 Rev 0		10-8	1500		10/8/24	1500	5.1 #5

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	Justin Cox					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	10-8-24	15:00		
	Jackie Deers		10/8/24	15:00		

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

* Filter In Lab

2 pumps HNO3 (99464) added to APW09 + APW07 PW 96451

DS 10/9

24091273

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																	Ra226/228, only
1	APW14	WT	G				2			2							X			X			X		24091273-014
2	APW15	WT	G				2			2							X			X			X		24091273-015
3	APW16	WT	G				2			2							X			X			X		24091273-016
4	APW17	WT	G				2			2							X			X			X		24091273-017
5	APW18	WT	G				2			2							X			X			X		24091273-018
6	APW19S	WT	G				2			2											X		X		24091273-019
7	APW20S	WT	G				2			2											X		X		24091273-020
8	APW21S	WT	G				2			2											X		X		24091273-021
9	APW22S	WT	G				2			2											X		X		24091273-022
10	APW23	WT	G				2			2											X		X		24091273-023
11	APW23S	WT	G				2			2											X		X		24091273-024
12	G104																		X						N/A
13	G104D																		X						N/A
14	G104S																		X						N/A
15	G105																		X						N/A
16	G106																		X						N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q4 Rev 0	[signature]	10-8	1500	Jackie Davis	10/8/24	1500	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: N/A SRH 10/8/24

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 15:00

Jackie Davis 10/8/24 1500

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24091273

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

Requested Analysis Filtered (Y/N)

Ra226/228, only

ITEM #	SAMPLE ID (A-Z, 0-9 / ,- ; Sample IDs MUST BE UNIQUE)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G109																		X						N/A
2	G111																		X						N/A
3	G112																		X						N/A
4	G113																		X						N/A
5	G114																		X						N/A
6	G115																		X						N/A
7	G116			10.8.24	1245														X		X				N/A
8	G117																		X						N/A
9	G118																		X						N/A
10	G119																		X						N/A
11	G120																		X						N/A
12	G125																		X						N/A
13	G128																		X						N/A
14	G130																		X						N/A
15	G133																		X						N/A
16	G136																		X						N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q4 Rev 0		10-8	1500		10/8/24	1000	

SAMPLE CONDITIONS: Y | N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 10.7.24 15:00

Jackie Davis 10/8/24 15:00

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

24091273

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Requested Analysis Filtered (Y/N)

Ra226/228, only

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G139																		X							N/A
2	G141																		X							N/A
3	G217S																	X								N/A
4	G221																	X								N/A
5	G225																	X								N/A
6	G230																	X								N/A
7	G231				10.8.24	1046												X								N/A
8	G232																	X								N/A
9	G233																	X								N/A
10	G234																	X								N/A
11	↓ L1R				10.8.24	1147													X							N/A
12	L201																		X							N/A
13	L202																		X							N/A
14	L203																		X							N/A
15	L204																		X							N/A
16	L205																		X							N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q4 Rev 0	[signature]	10-8	1500	[signature]	10/8/24	1500		Y	N	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Tracy Conrad					
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 10.8.24 15:00				

Jackie Davis 10/8/24 15:00

24091273

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Brian Voelker
Address: 6725 N. 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number:	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Ra226/228, only: Project No./ Lab I.D.
1	R217D																	X							N/A
2	R219			10-8-24	1117													X							N/A
3	S101																		X						N/A
4	S102																		X						N/A
5	SG02																X			X					N/A
6	T101																		X						N/A
7	T102																		X						N/A
8	XPW01																X			X					N/A
9	XPW02																X			X					N/A
10	XPW03																X			X					N/A
11	XPW04																X			X					N/A
12	XSG01																X			X					N/A
13	Field Blank	WT	G	10-8-24	1206		2			2							X	X	X	X	X	X	X		24091273-025
14	A213 Duplicate																	X							N/A
15	APW02 Duplicate	WT	G				2			2							X			X		X	X		24091273-026
16	APW19S Duplicate	WT	G				2			2											X		X		24091273-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q4 Rev 0		10-8	1500		10/8/24	1500	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Tony Carter				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	10.8.24	15:00	

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

Jackie Davis 10/8/24 15:00

24091273

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

NEW-257-501

Page: 6 of 6

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		REGULATORY AGENCY		
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Brian Voelker	NPDES	GROUND WATER	DRINKING WATER
Address:	6725 N. 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp	UST	RCRA	OTHER
	Newton, IL 62448			Address:	see Section A			
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:		Site Location STATE:	IL	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:				
Requested Due Date/TAT:	10 day	Project Number:		Profile #:				

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Ra226/228, only Project No./ Lab I.D.
1	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X		24091273-028
2	Equipment Blank 2	WT	G	10.8.24	1250		2			2							X	X	X	X	X	X	X		24091273-029
3	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X		24091273-030
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
NEW-24Q4 Rev 0		10-8	1500		10/8/24	1500	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll (MM/DD/YY): 10.8.24 15:00

Jackie Davis 10/8/24 15:00

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 11/6/2024 4:23:07 PM

JOB DESCRIPTION

Radium-226 and Radium-228
24091273

JOB NUMBER

160-55782-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

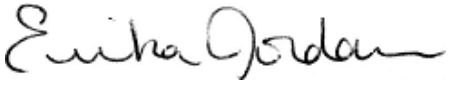
Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



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Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

Table of Contents

CASE NARRATIVE

Client: TekLab, Inc

Project: 24091273

Report Number: 160-55782-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

Receipt
The samples were received on 10/10/2024 1:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 3 coolers at receipt time were 20.6°C, 20.6°C and 21.4°C.

Method 903.0 - Radium-226 (GFPC)
Samples 24091273-001 (160-55782-1), 24091273-002 (160-55782-2), 24091273-003 (160-55782-3), 24091273-004 (160-55782-4), 24091273-005 (160-55782-5), 24091273-006 (160-55782-6), 24091273-007 (160-55782-7), 24091273-008 (160-55782-8), 24091273-009 (160-55782-9), 24091273-010 (160-55782-10), 24091273-011 (160-55782-11), 24091273-012 (160-55782-12), 24091273-013 (160-55782-13), 24091273-014 (160-55782-14), 24091273-015 (160-55782-15), 24091273-016 (160-55782-16), 24091273-017 (160-55782-17), 24091273-018 (160-55782-18), 24091273-019 (160-55782-19), 24091273-020 (160-55782-20), 24091273-021 (160-55782-21), 24091273-022 (160-55782-22), 24091273-023 (160-55782-23), 24091273-024 (160-55782-24), 24091273-025 (160-55782-25), 24091273-026 (160-55782-26), 24091273-027 (160-55782-27) and 24091273-029 (160-55782-28) were analyzed for Radium-226 (GFPC). The samples were prepared on 10/14/2024 and analyzed on 11/5/2024.

Method 904.0 - Radium-228 (GFPC)

Job ID: 160-55782-1 (Continued) Eurofins St. Louis

Samples 24091273-001 (160-55782-1), 24091273-002 (160-55782-2), 24091273-003 (160-55782-3), 24091273-004 (160-55782-4), 24091273-005 (160-55782-5), 24091273-006 (160-55782-6), 24091273-007 (160-55782-7), 24091273-008 (160-55782-8), 24091273-009 (160-55782-9), 24091273-010 (160-55782-10), 24091273-011 (160-55782-11), 24091273-012 (160-55782-12), 24091273-013 (160-55782-13), 24091273-014 (160-55782-14), 24091273-015 (160-55782-15), 24091273-016 (160-55782-16), 24091273-017 (160-55782-17), 24091273-018 (160-55782-18), 24091273-019 (160-55782-19), 24091273-020 (160-55782-20), 24091273-021 (160-55782-21), 24091273-022 (160-55782-22), 24091273-023 (160-55782-23), 24091273-024 (160-55782-24), 24091273-025 (160-55782-25), 24091273-026 (160-55782-26), 24091273-027 (160-55782-27) and 24091273-029 (160-55782-28) were analyzed for Radium-228 (GFPC). The samples were prepared on 10/14/2024 and analyzed on 10/28/2024 and 10/30/2024.

Batch 160-683390:
The detection goal was not met for the following samples due to the reduced sample volume used in prep attributed to the presence of matrix interferences: 24091273-013 (160-55782-13), 24091273-015 (160-55782-15) and 24091273-020 (160-55782-20). Analytical results are reported with the detection limit achieved.

Batch 160-683398:
The detection goal was not met for the following sample due to the reduced sample volume used in prep attributed to the presence of matrix interferences: 24091273-007 (160-55782-7). Analytical results are reported with the detection limit achieved.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24091273-001 (160-55782-1), 24091273-002 (160-55782-2), 24091273-003 (160-55782-3), 24091273-004 (160-55782-4), 24091273-005 (160-55782-5), 24091273-006 (160-55782-6), 24091273-007 (160-55782-7), 24091273-008 (160-55782-8), 24091273-009 (160-55782-9), 24091273-010 (160-55782-10), 24091273-011 (160-55782-11), 24091273-012 (160-55782-12), 24091273-013 (160-55782-13), 24091273-014 (160-55782-14), 24091273-015 (160-55782-15), 24091273-016 (160-55782-16), 24091273-017 (160-55782-17), 24091273-018 (160-55782-18), 24091273-019 (160-55782-19), 24091273-020 (160-55782-20), 24091273-021 (160-55782-21), 24091273-022 (160-55782-22), 24091273-023 (160-55782-23), 24091273-024 (160-55782-24), 24091273-025 (160-55782-25), 24091273-026 (160-55782-26), 24091273-027 (160-55782-27) and 24091273-029 (160-55782-28) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 11/6/2024.

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab, Inc. QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24091273

Contact: Elizabeth Hurley Email: EHurley@TekLabInc.com
Requested Due Date: RUSH TAT Billing/PO: 37086 Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
	24091273-001	10/2/24 1049	HNO3	Groundwater	✔
	24091273-002	10/7/24 1123	HNO3	Groundwater	✔
	24091273-003	10/7/23 1223	HNO3	Groundwater	✔
	24091273-004	10/2/24 1146	HNO3	Groundwater	✔
	24091273-005	10/2/24 1218	HNO3	Groundwater	✔
	24091273-006	10/8/24 0933	HNO3	Groundwater	✔
	24091273-007	10/8/24 1005	HNO3	Groundwater	✔
	24091273-008	10/2/24 0935	HNO3	Groundwater	✔
	24091273-009	10/8/24 1151	HNO3	Groundwater	✔
	24091273-010	10/1/24 1158	HNO3	Groundwater	✔
	24091273-011	10/1/24 1025	HNO3	Groundwater	✔

160-55782 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
Urban Gilbert	10/10/24 1315	Siera Worthington	10/10/24 1315

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

Pg 2 of 3

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab, Inc. QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24091273

Contact: Elizabeth Hurley
Requested Due Date: RUSH TAT
Email: EHurley@TekLabInc.com
Billing/PO: 37086
Phone: (618) 344-1004 ext. 33

PLEASE NOTE:
NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
	24091273-012	10/1/24 1103	HNO3	Groundwater	✔
	24091273-013	10/1/24 1247	HNO3	Groundwater	✔
	24091273-014	10/1/24 1333	HNO3	Groundwater	✔
	24091273-015	10/1/24 1426	HNO3	Groundwater	✔
	24091273-016	10/2/24 0905	HNO3	Groundwater	✔
	24091273-017	10/2/24 1018	HNO3	Groundwater	✔
	24091273-018	10/2/24 1121	HNO3	Groundwater	✔
	24091273-019	10/7/24 1035	HNO3	Groundwater	✔
	24091273-020	10/2/24 1347	HNO3	Groundwater	✔
	24091273-021	10/2/24 1248	HNO3	Groundwater	✔
	24091273-022	10/2/24 1154	HNO3	Groundwater	✔

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	10/10/24 1315	Sierra Worthington	10/10/24 1315

SubCocRevA 3/2/2016

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab, Inc. QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24091273

Contact: Elizabeth Hurley Email: EHurley@TekLabInc.com
Requested Due Date: RUSH TAT Billing/PO: 37086
Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
	24091273-023	10/2/24 1031	HNO3	Groundwater	✔
	24091273-024	10/2/24 0938	HNO3	Groundwater	✔
	24091273-025	10/8/24 1206	HNO3	Aqueous	✔
	24091273-026	10/2/24 1049	HNO3	Groundwater	✔
	24091273-027	10/7/24 1035	HNO3	Groundwater	✔
	24091273-029	10/8/24 1250	HNO3	Aqueous	✔
			HNO3	Aqueous	
			HNO3	Aqueous	
			HNO3	Groundwater	
			HNO3	Groundwater	
			HNO3	Groundwater	

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	10/10/24 1315	Sierra Worthington	10/10/24 1315

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA
3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-55782-1
SDG Number: 24091273

Login Number: 55782
List Number: 1
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-55782-1	24091273-001	Water	10/02/24 10:49	10/10/24 13:15
160-55782-2	24091273-002	Water	10/07/24 11:23	10/10/24 13:15
160-55782-3	24091273-003	Water	10/07/23 12:23	10/10/24 13:15
160-55782-4	24091273-004	Water	10/02/24 11:46	10/10/24 13:15
160-55782-5	24091273-005	Water	10/02/24 12:18	10/10/24 13:15
160-55782-6	24091273-006	Water	10/08/24 09:33	10/10/24 13:15
160-55782-7	24091273-007	Water	10/08/24 10:05	10/10/24 13:15
160-55782-8	24091273-008	Water	10/02/24 09:35	10/10/24 13:15
160-55782-9	24091273-009	Water	10/08/24 11:51	10/10/24 13:15
160-55782-10	24091273-010	Water	10/01/24 11:58	10/10/24 13:15
160-55782-11	24091273-011	Water	10/01/24 10:25	10/10/24 13:15
160-55782-12	24091273-012	Water	10/01/24 11:03	10/10/24 13:15
160-55782-13	24091273-013	Water	10/01/24 12:47	10/10/24 13:15
160-55782-14	24091273-014	Water	10/01/24 13:33	10/10/24 13:15
160-55782-15	24091273-015	Water	10/01/24 14:26	10/10/24 13:15
160-55782-16	24091273-016	Water	10/02/24 09:05	10/10/24 13:15
160-55782-17	24091273-017	Water	10/02/24 10:18	10/10/24 13:15
160-55782-18	24091273-018	Water	10/02/24 11:21	10/10/24 13:15
160-55782-19	24091273-019	Water	10/07/24 10:35	10/10/24 13:15
160-55782-20	24091273-020	Water	10/02/24 13:47	10/10/24 13:15
160-55782-21	24091273-021	Water	10/02/24 12:48	10/10/24 13:15
160-55782-22	24091273-022	Water	10/02/24 11:54	10/10/24 13:15
160-55782-23	24091273-023	Water	10/02/24 10:31	10/10/24 13:15
160-55782-24	24091273-024	Water	10/02/24 09:38	10/10/24 13:15
160-55782-25	24091273-025	Water	10/08/24 12:06	10/10/24 13:15
160-55782-26	24091273-026	Water	10/02/24 10:49	10/10/24 13:15
160-55782-27	24091273-027	Water	10/07/24 10:35	10/10/24 13:15
160-55782-28	24091273-029	Water	10/08/24 12:50	10/10/24 13:15

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Client Sample ID: 24091273-001

Date Collected: 10/02/24 10:49
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.199		0.0945	0.0961	1.00	0.0933	pCi/L	10/14/24 08:44	11/05/24 07:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*10/14/24 08:44*	*11/05/24 07:45*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.285	U	0.357	0.358	1.00	0.593	pCi/L	10/14/24 08:49	10/30/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:06*	*1*
Y Carrier	*88.6*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.484	U	0.369	0.371	5.00	0.593	pCi/L		11/06/24 15:44	1

Client Sample ID: 24091273-002

Date Collected: 10/07/24 11:23
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.133	U	0.0977	0.0984	1.00	0.139	pCi/L	10/14/24 08:44	11/05/24 07:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.5*		*30 - 110*	*10/14/24 08:44*	*11/05/24 07:49*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.209	U	0.335	0.336	1.00	0.573	pCi/L	10/14/24 08:49	10/30/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.5*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:06*	*1*
Y Carrier	*87.9*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.342	U	0.349	0.350	5.00	0.573	pCi/L		11/06/24 15:44	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Client Sample ID: 24091273-003
Date Collected: 10/07/23 12:23
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.109	U	0.0976	0.0981	1.00	0.149	pCi/L	10/14/24 08:44	11/05/24 07:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.3*		*30 - 110*	*10/14/24 08:44*	*11/05/24 07:50*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.330	U	0.443	0.444	1.00	0.739	pCi/L	10/14/24 08:49	10/30/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.3*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:06*	*1*
Y Carrier	*83.0*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.439	U	0.454	0.455	5.00	0.739	pCi/L		11/06/24 15:44	1

Client Sample ID: 24091273-004
Date Collected: 10/02/24 11:46
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-4
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.267**		0.136	0.138	1.00	0.177	pCi/L	10/14/24 08:44	11/05/24 07:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.0*		*30 - 110*	*10/14/24 08:44*	*11/05/24 07:50*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.675**		0.378	0.383	1.00	0.531	pCi/L	10/14/24 08:49	10/30/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.0*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:06*	*1*
Y Carrier	*88.6*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.942**		0.402	0.407	5.00	0.531	pCi/L		11/06/24 15:44	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Client Sample ID: 24091273-005
Date Collected: 10/02/24 12:18
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-5
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.145**		0.102	0.103	1.00	0.145	pCi/L	10/14/24 08:44	11/05/24 07:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.1*		*30 - 110*	*10/14/24 08:44*	*11/05/24 07:50*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.242	U	0.389	0.389	1.00	0.658	pCi/L	10/14/24 08:49	10/30/24 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.1*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:07*	*1*
Y Carrier	*87.9*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:07*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.388	U	0.402	0.402	5.00	0.658	pCi/L		11/06/24 15:44	1

Client Sample ID: 24091273-006
Date Collected: 10/08/24 09:33
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-6
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.206**		0.107	0.109	1.00	0.128	pCi/L	10/14/24 08:44	11/05/24 07:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.8*		*30 - 110*	*10/14/24 08:44*	*11/05/24 07:50*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.438	U	0.375	0.377	1.00	0.590	pCi/L	10/14/24 08:49	10/30/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.8*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:04*	*1*
Y Carrier	*89.7*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.643**		0.390	0.392	5.00	0.590	pCi/L		11/06/24 15:44	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Client Sample ID: 24091273-007

Date Collected: 10/08/24 10:05
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-7

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.780		0.259	0.269	1.00	0.237	pCi/L	10/14/24 08:44	11/05/24 07:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*10/14/24 08:44*	*11/05/24 07:50*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.11	G	0.695	0.702	1.00	1.02	pCi/L	10/14/24 08:49	10/30/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:04*	*1*
Y Carrier	*90.1*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.89		0.742	0.752	5.00	1.02	pCi/L		11/06/24 15:44	1

Client Sample ID: 24091273-008

Date Collected: 10/02/24 09:35
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-8

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.435		0.139	0.144	1.00	0.125	pCi/L	10/14/24 08:44	11/05/24 07:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*10/14/24 08:44*	*11/05/24 07:50*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.215	U	0.338	0.339	1.00	0.575	pCi/L	10/14/24 08:49	10/30/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:04*	*1*
Y Carrier	*90.1*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.650		0.365	0.368	5.00	0.575	pCi/L		11/06/24 15:44	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Client Sample ID: 24091273-009

Date Collected: 10/08/24 11:51
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-9

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.658**		0.215	0.223	1.00	0.198	pCi/L	10/14/24 08:44	11/05/24 07:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*70.9*		*30 - 110*	*10/14/24 08:44*	*11/05/24 07:50*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.06**		0.597	0.605	1.00	0.855	pCi/L	10/14/24 08:49	10/30/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*70.9*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:04*	*1*
Y Carrier	*89.7*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.72**		0.635	0.645	5.00	0.855	pCi/L		11/06/24 15:44	1

Client Sample ID: 24091273-010

Date Collected: 10/01/24 11:58
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-10

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.151	U	0.187	0.187	1.00	0.308	pCi/L	10/14/24 08:44	11/05/24 07:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*10/14/24 08:44*	*11/05/24 07:50*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.613	U	0.602	0.605	1.00	0.965	pCi/L	10/14/24 08:49	10/30/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:04*	*1*
Y Carrier	*89.7*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.765	U	0.630	0.633	5.00	0.965	pCi/L		11/06/24 15:44	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Client Sample ID: 24091273-011
Date Collected: 10/01/24 10:25
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-11
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.382		0.147	0.151	1.00	0.160	pCi/L	10/14/24 08:44	11/05/24 07:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*10/14/24 08:44*	*11/05/24 07:50*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.237	U	0.327	0.328	1.00	0.549	pCi/L	10/14/24 08:49	10/30/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:04*	*1*
Y Carrier	*87.9*		*30 - 110*	*10/14/24 08:49*	*10/30/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.619		0.359	0.361	5.00	0.549	pCi/L		11/06/24 15:44	1

Client Sample ID: 24091273-012
Date Collected: 10/01/24 11:03
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-12
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0941	U	0.0986	0.0990	1.00	0.158	pCi/L	10/14/24 08:32	11/05/24 07:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*10/14/24 08:32*	*11/05/24 07:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.100	U	0.387	0.387	1.00	0.698	pCi/L	10/14/24 08:36	10/28/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*
Y Carrier	*72.5*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.194	U	0.399	0.399	5.00	0.698	pCi/L		11/06/24 15:44	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Client Sample ID: 24091273-013
Date Collected: 10/01/24 12:47
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-13
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0648	U	0.0942	0.0944	1.00	0.161	pCi/L	10/14/24 08:32	11/05/24 09:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.4*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:28*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.755	U G	0.690	0.693	1.00	1.10	pCi/L	10/14/24 08:36	10/28/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.4*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*
Y Carrier	*74.0*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.820	U	0.696	0.699	5.00	1.10	pCi/L		11/06/24 15:44	1

Client Sample ID: 24091273-014
Date Collected: 10/01/24 13:33
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-14
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.265**		0.108	0.110	1.00	0.107	pCi/L	10/14/24 08:32	11/05/24 09:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.5*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.633	U	0.473	0.477	1.00	0.723	pCi/L	10/14/24 08:36	10/28/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.5*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*
Y Carrier	*72.9*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.898**		0.485	0.490	5.00	0.723	pCi/L		11/06/24 15:44	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Client Sample ID: 24091273-015

Date Collected: 10/01/24 14:26
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-15

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.858**		0.286	0.296	1.00	0.290	pCi/L	10/14/24 08:32	11/05/24 09:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.2*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.27	U G	0.957	0.964	1.00	1.46	pCi/L	10/14/24 08:36	10/28/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.2*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*
Y Carrier	*73.6*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**2.13**		0.999	1.01	5.00	1.46	pCi/L		11/06/24 15:44	1

Client Sample ID: 24091273-016

Date Collected: 10/02/24 09:05
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-16

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.619**		0.177	0.185	1.00	0.125	pCi/L	10/14/24 08:32	11/05/24 09:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.635	U	0.562	0.565	1.00	0.878	pCi/L	10/14/24 08:36	10/28/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*
Y Carrier	*70.7*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.25**		0.589	0.595	5.00	0.878	pCi/L		11/06/24 15:44	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Client Sample ID: 24091273-017

Date Collected: 10/02/24 10:18
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-17

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.696**		0.159	0.171	1.00	0.113	pCi/L	10/14/24 08:32	11/05/24 09:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.718	U	0.494	0.499	1.00	0.750	pCi/L	10/14/24 08:36	10/28/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*
Y Carrier	*75.5*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.41**		0.519	0.527	5.00	0.750	pCi/L		11/06/24 15:44	1

Client Sample ID: 24091273-018

Date Collected: 10/02/24 11:21
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-18

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.537**		0.168	0.175	1.00	0.151	pCi/L	10/14/24 08:32	11/05/24 09:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.5*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.884**		0.553	0.559	1.00	0.809	pCi/L	10/14/24 08:36	10/28/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.5*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*
Y Carrier	*80.4*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.42**		0.578	0.586	5.00	0.809	pCi/L		11/06/24 15:44	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Client Sample ID: 24091273-019
Date Collected: 10/07/24 10:35
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-19
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.154		0.0924	0.0934	1.00	0.117	pCi/L	10/14/24 08:32	11/05/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.2*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.920		0.517	0.524	1.00	0.721	pCi/L	10/14/24 08:36	10/28/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.2*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*
Y Carrier	*69.5*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.07		0.525	0.532	5.00	0.721	pCi/L		11/06/24 15:44	1

Client Sample ID: 24091273-020
Date Collected: 10/02/24 13:47
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-20
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0850	U	0.126	0.126	1.00	0.216	pCi/L	10/14/24 08:32	11/05/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.551	U G	0.721	0.723	1.00	1.20	pCi/L	10/14/24 08:36	10/28/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*
Y Carrier	*76.3*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.636	U	0.732	0.734	5.00	1.20	pCi/L		11/06/24 15:44	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Client Sample ID: 24091273-021

Date Collected: 10/02/24 12:48
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-21

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.146**		0.0889	0.0898	1.00	0.112	pCi/L	10/14/24 08:32	11/05/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.631	U	0.490	0.493	1.00	0.757	pCi/L	10/14/24 08:36	10/28/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*
Y Carrier	*76.3*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.778**		0.498	0.501	5.00	0.757	pCi/L		11/06/24 15:44	1

Client Sample ID: 24091273-022

Date Collected: 10/02/24 11:54
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-22

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.160**		0.0844	0.0857	1.00	0.0927	pCi/L	10/14/24 08:32	11/05/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.0*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0114	U	0.406	0.406	1.00	0.756	pCi/L	10/14/24 08:36	10/28/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.0*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*
Y Carrier	*78.9*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.160	U	0.415	0.415	5.00	0.756	pCi/L		11/06/24 15:44	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Client Sample ID: 24091273-023
Date Collected: 10/02/24 10:31
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-23
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.316		0.119	0.122	1.00	0.115	pCi/L	10/14/24 08:32	11/05/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.0*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.842		0.521	0.527	1.00	0.762	pCi/L	10/14/24 08:36	10/28/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.0*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*
Y Carrier	*70.7*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.16		0.534	0.541	5.00	0.762	pCi/L		11/06/24 15:44	1

Client Sample ID: 24091273-024
Date Collected: 10/02/24 09:38
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-24
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.188		0.0943	0.0958	1.00	0.110	pCi/L	10/14/24 08:32	11/05/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.935		0.561	0.567	1.00	0.832	pCi/L	10/14/24 08:36	10/28/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*
Y Carrier	*70.7*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.12		0.569	0.575	5.00	0.832	pCi/L		11/06/24 15:44	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Client Sample ID: 24091273-025

Date Collected: 10/08/24 12:06
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-25

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0374	U	0.0489	0.0490	1.00	0.0809	pCi/L	10/14/24 08:32	11/05/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0405	U	0.339	0.339	1.00	0.629	pCi/L	10/14/24 08:36	10/28/24 12:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:25*	*1*
Y Carrier	*73.6*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:25*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0780	U	0.343	0.343	5.00	0.629	pCi/L		11/06/24 15:44	1

Client Sample ID: 24091273-026

Date Collected: 10/02/24 10:49
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-26

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.125**		0.0836	0.0844	1.00	0.114	pCi/L	10/14/24 08:32	11/05/24 09:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.375	U	0.388	0.390	1.00	0.628	pCi/L	10/14/24 08:36	10/28/24 12:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:25*	*1*
Y Carrier	*78.1*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:25*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.501	U	0.397	0.399	5.00	0.628	pCi/L		11/06/24 15:44	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Client Sample ID: 24091273-027
Date Collected: 10/07/24 10:35
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-27
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0207	U	0.0689	0.0689	1.00	0.130	pCi/L	10/14/24 08:32	11/05/24 09:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.687	U	0.492	0.496	1.00	0.753	pCi/L	10/14/24 08:36	10/28/24 12:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:25*	*1*
Y Carrier	*76.3*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:25*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.708	U	0.497	0.501	5.00	0.753	pCi/L		11/06/24 15:44	1

Client Sample ID: 24091273-029
Date Collected: 10/08/24 12:50
Date Received: 10/10/24 13:15

Lab Sample ID: 160-55782-28
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0229	U	0.0667	0.0668	1.00	0.142	pCi/L	10/14/24 08:32	11/05/24 09:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*30 - 110*	*10/14/24 08:32*	*11/05/24 09:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.495	U	0.380	0.383	1.00	0.585	pCi/L	10/14/24 08:36	10/28/24 12:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:26*	*1*
Y Carrier	*81.1*		*30 - 110*	*10/14/24 08:36*	*10/28/24 12:26*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.495	U	0.386	0.389	5.00	0.585	pCi/L		11/06/24 15:44	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-683389/1-A
Matrix: Water
Analysis Batch: 686864

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 683389

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05131	U	0.0621	0.0622	1.00	0.102	pCi/L	10/14/24 08:32	11/05/24 07:52	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.9*		*30 - 110*	*10/14/24 08:32*	*11/05/24 07:52*	*1*

Lab Sample ID: LCS 160-683389/2-A
Matrix: Water
Analysis Batch: 686864

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 683389

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.968		0.973	1.00	0.126	pCi/L	94	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*86.6*		*30 - 110*

Lab Sample ID: MB 160-683395/1-A
Matrix: Water
Analysis Batch: 686849

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 683395

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03677	U	0.0637	0.0638	1.00	0.113	pCi/L	10/14/24 08:44	11/05/24 07:42	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*10/14/24 08:44*	*11/05/24 07:42*	*1*

Lab Sample ID: LCS 160-683395/2-A
Matrix: Water
Analysis Batch: 686849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 683395

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.893		0.973	1.00	0.106	pCi/L	93	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.9*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-683390/1-A
Matrix: Water
Analysis Batch: 685399

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 683390

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4790	U	0.362	0.364	1.00	0.554	pCi/L	10/14/24 08:36	10/28/24 12:21	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55782-1
SDG: 24091273

Method: 904.0 - Radium-228 (GFPC) (Continued)

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110	10/14/24 08:36	10/28/24 12:21	1
Y Carrier	80.4		30 - 110	10/14/24 08:36	10/28/24 12:21	1

Lab Sample ID: LCS 160-683390/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 685399 — **Prep Batch: 683390**

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.39	10.02		1.44	1.00	0.607	pCi/L	119	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.6		30 - 110
Y Carrier	75.1		30 - 110

Lab Sample ID: MB 160-683398/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 685958 — **Prep Batch: 683398**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.09416	U	0.306	0.306	1.00	0.591	pCi/L	10/14/24 08:49	10/30/24 12:05	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110	10/14/24 08:49	10/30/24 12:05	1
Y Carrier	86.4		30 - 110	10/14/24 08:49	10/30/24 12:05	1

Lab Sample ID: LCS 160-683398/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 685958 — **Prep Batch: 683398**

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.39	9.187		1.26	1.00	0.559	pCi/L	110	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	90.9		30 - 110
Y Carrier	87.5		30 - 110

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Rad

Prep Batch: 683389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55782-12	24091273-012	Total/NA	Water	PrecSep-21	
160-55782-13	24091273-013	Total/NA	Water	PrecSep-21	
160-55782-14	24091273-014	Total/NA	Water	PrecSep-21	
160-55782-15	24091273-015	Total/NA	Water	PrecSep-21	
160-55782-16	24091273-016	Total/NA	Water	PrecSep-21	
160-55782-17	24091273-017	Total/NA	Water	PrecSep-21	
160-55782-18	24091273-018	Total/NA	Water	PrecSep-21	
160-55782-19	24091273-019	Total/NA	Water	PrecSep-21	
160-55782-20	24091273-020	Total/NA	Water	PrecSep-21	
160-55782-21	24091273-021	Total/NA	Water	PrecSep-21	
160-55782-22	24091273-022	Total/NA	Water	PrecSep-21	
160-55782-23	24091273-023	Total/NA	Water	PrecSep-21	
160-55782-24	24091273-024	Total/NA	Water	PrecSep-21	
160-55782-25	24091273-025	Total/NA	Water	PrecSep-21	
160-55782-26	24091273-026	Total/NA	Water	PrecSep-21	
160-55782-27	24091273-027	Total/NA	Water	PrecSep-21	
160-55782-28	24091273-029	Total/NA	Water	PrecSep-21	
MB 160-683389/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-683389/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 683390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55782-12	24091273-012	Total/NA	Water	PrecSep_0	
160-55782-13	24091273-013	Total/NA	Water	PrecSep_0	
160-55782-14	24091273-014	Total/NA	Water	PrecSep_0	
160-55782-15	24091273-015	Total/NA	Water	PrecSep_0	
160-55782-16	24091273-016	Total/NA	Water	PrecSep_0	
160-55782-17	24091273-017	Total/NA	Water	PrecSep_0	
160-55782-18	24091273-018	Total/NA	Water	PrecSep_0	
160-55782-19	24091273-019	Total/NA	Water	PrecSep_0	
160-55782-20	24091273-020	Total/NA	Water	PrecSep_0	
160-55782-21	24091273-021	Total/NA	Water	PrecSep_0	
160-55782-22	24091273-022	Total/NA	Water	PrecSep_0	
160-55782-23	24091273-023	Total/NA	Water	PrecSep_0	
160-55782-24	24091273-024	Total/NA	Water	PrecSep_0	
160-55782-25	24091273-025	Total/NA	Water	PrecSep_0	
160-55782-26	24091273-026	Total/NA	Water	PrecSep_0	
160-55782-27	24091273-027	Total/NA	Water	PrecSep_0	
160-55782-28	24091273-029	Total/NA	Water	PrecSep_0	
MB 160-683390/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-683390/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 683395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55782-1	24091273-001	Total/NA	Water	PrecSep-21	
160-55782-2	24091273-002	Total/NA	Water	PrecSep-21	
160-55782-3	24091273-003	Total/NA	Water	PrecSep-21	
160-55782-4	24091273-004	Total/NA	Water	PrecSep-21	
160-55782-5	24091273-005	Total/NA	Water	PrecSep-21	
160-55782-6	24091273-006	Total/NA	Water	PrecSep-21	
160-55782-7	24091273-007	Total/NA	Water	PrecSep-21	

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55782-1
SDG: 24091273

Rad (Continued)

Prep Batch: 683395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55782-8	24091273-008	Total/NA	Water	PrecSep-21	
160-55782-9	24091273-009	Total/NA	Water	PrecSep-21	
160-55782-10	24091273-010	Total/NA	Water	PrecSep-21	
160-55782-11	24091273-011	Total/NA	Water	PrecSep-21	
MB 160-683395/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-683395/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 683398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55782-1	24091273-001	Total/NA	Water	PrecSep_0	
160-55782-2	24091273-002	Total/NA	Water	PrecSep_0	
160-55782-3	24091273-003	Total/NA	Water	PrecSep_0	
160-55782-4	24091273-004	Total/NA	Water	PrecSep_0	
160-55782-5	24091273-005	Total/NA	Water	PrecSep_0	
160-55782-6	24091273-006	Total/NA	Water	PrecSep_0	
160-55782-7	24091273-007	Total/NA	Water	PrecSep_0	
160-55782-8	24091273-008	Total/NA	Water	PrecSep_0	
160-55782-9	24091273-009	Total/NA	Water	PrecSep_0	
160-55782-10	24091273-010	Total/NA	Water	PrecSep_0	
160-55782-11	24091273-011	Total/NA	Water	PrecSep_0	
MB 160-683398/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-683398/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (30-110)						
160-55782-1	24091273-001	87.1						
160-55782-2	24091273-002	81.5						
160-55782-3	24091273-003	81.3						
160-55782-4	24091273-004	81.0						
160-55782-5	24091273-005	90.1						
160-55782-6	24091273-006	80.8						
160-55782-7	24091273-007	87.6						
160-55782-8	24091273-008	87.3						
160-55782-9	24091273-009	70.9						
160-55782-10	24091273-010	87.6						
160-55782-11	24091273-011	85.3						
160-55782-12	24091273-012	84.6						
160-55782-13	24091273-013	73.4						
160-55782-14	24091273-014	78.5						
160-55782-15	24091273-015	75.2						
160-55782-16	24091273-016	78.2						
160-55782-17	24091273-017	84.8						
160-55782-18	24091273-018	83.5						
160-55782-19	24091273-019	73.2						
160-55782-20	24091273-020	87.8						
160-55782-21	24091273-021	78.7						
160-55782-22	24091273-022	79.0						
160-55782-23	24091273-023	78.0						
160-55782-24	24091273-024	85.3						
160-55782-25	24091273-025	90.4						
160-55782-26	24091273-026	90.9						
160-55782-27	24091273-027	86.1						
160-55782-28	24091273-029	94.2						
LCS 160-683389/2-A	Lab Control Sample	86.6						
LCS 160-683395/2-A	Lab Control Sample	90.9						
MB 160-683389/1-A	Method Blank	94.9						
MB 160-683395/1-A	Method Blank	90.6						

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)							
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)						
160-55782-1	24091273-001	87.1	88.6						
160-55782-2	24091273-002	81.5	87.9						
160-55782-3	24091273-003	81.3	83.0						
160-55782-4	24091273-004	81.0	88.6						
160-55782-5	24091273-005	90.1	87.9						
160-55782-6	24091273-006	80.8	89.7						
160-55782-7	24091273-007	87.6	90.1						
160-55782-8	24091273-008	87.3	90.1						

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55782-1
SDG: 24091273

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)									
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)								
160-55782-9	24091273-009	70.9	89.7								
160-55782-10	24091273-010	87.6	89.7								
160-55782-11	24091273-011	85.3	87.9								
160-55782-12	24091273-012	84.6	72.5								
160-55782-13	24091273-013	73.4	74.0								
160-55782-14	24091273-014	78.5	72.9								
160-55782-15	24091273-015	75.2	73.6								
160-55782-16	24091273-016	78.2	70.7								
160-55782-17	24091273-017	84.8	75.5								
160-55782-18	24091273-018	83.5	80.4								
160-55782-19	24091273-019	73.2	69.5								
160-55782-20	24091273-020	87.8	76.3								
160-55782-21	24091273-021	78.7	76.3								
160-55782-22	24091273-022	79.0	78.9								
160-55782-23	24091273-023	78.0	70.7								
160-55782-24	24091273-024	85.3	70.7								
160-55782-25	24091273-025	90.4	73.6								
160-55782-26	24091273-026	90.9	78.1								
160-55782-27	24091273-027	86.1	76.3								
160-55782-28	24091273-029	94.2	81.1								
LCS 160-683390/2-A	Lab Control Sample	86.6	75.1								
LCS 160-683398/2-A	Lab Control Sample	90.9	87.5								
MB 160-683390/1-A	Method Blank	94.9	80.4								
MB 160-683398/1-A	Method Blank	90.6	86.4								

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	A213
Project Location:	Netwon, IL	**Sample ID:**	001
W.O. Number (s):	24091272	**Date (s):**	10/3/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/3/2024 11:08

Static Water Level: 18.60 feet below TOC

Total Depth: 61.00 feet below TOC

Water Column: 42.40 feet

Purging Activities

Purged By: JC — Purge Date: 10/3/2024

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 42.4 ft. x 42.4 = 0.93 L x 3 Vol. = 2.79 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:08	0.0	152	purge start time						
11:17	1.4	↓	6.73	1,979.10	16.47	2.05	36.60	2.65	
11:20	1.9		6.74	1,976.70	16.27	1.44	38.30	2.47	
11:23	2.3		6.80	1,979.80	16.20	2.35	9.90	5.70	
11:26	2.8		6.78	1,979.60	16.14	1.73	-33.90	18.64	
11:29	3.2		6.77	1,972.20	16.20	1.04	-48.00	29.95	
11:32	3.7		6.76	1,964.10	16.24	0.70	-54.90	16.01	
11:35	4.1		6.75	1,960.30	16.17	0.53	-59.00	30.70	
11:38	4.6		6.75	1,953.60	16.11	0.43	-61.60	14.15	
11:41	5.0		6.74	1,949.00	16.12	0.39	-63.40	19.39	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/3/2024 11:41

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.74 pH — 1,949.00 Spec. Cond. — 16.12 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 26.30 feet below TOC — Drawdown: 7.70 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/3/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	A214
Project Location:	Netwon, IL	**Sample ID:**	002
W.O. Number (s):	24091272	**Date (s):**	10/8/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 65 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☑ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/8/2024 11:01

Static Water Level: 41.32 feet below TOC

Total Depth: 75.50 feet below TOC

Water Column: 34.18 feet

Purging Activities

Purged By: BG Purge Date: 10/8/2024

Purge Method: Submersible Pump Well Diameter: 2"

Purge Volume Calculation (L): 34.18 ft. x 34.18 = 0.75 L x 3 Vol. = 2.25 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:02	0.0	300	purge start time						
11:10	2.7	↓	7.35	1,295.60	15.36	0.45	-149.30	342.65	
11:13	3.6		7.35	1,279.40	15.36	0.39	-151.50	202.60	
11:16	4.5		7.36	1,255.30	15.33	0.33	-153.20	97.88	
11:19	5.4		7.36	1,243.20	16.09	0.38	-152.10	61.73	
11:22	6.3		7.36	1,236.90	15.37	0.37	-151.30	56.40	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/8/2024 11:22

Sample Method: Low Flow Sample Equipment: Submersible Pump

Sample Parameters: 7.36 pH 1,236.90 Spec. Cond. 15.37 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 41.42 feet below TOC Drawdown: 0.10 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Tracy Carroll

Form Completed By: **Date:** 10/8/2024

Field Data Sheet

Project Name: NEW- 24Q4 | **Monitoring Point:** A215
Project Location: Netwon, IL | **Sample ID:** 003
W.O. Number (s): 24091272 | **Date (s):** 10/8/2024

Field Team Members

Name: Justin Colp | Affiliation: TekLab, Inc.
Name: Danny Crump | Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F | Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy | Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/8/2024 10:17
Static Water Level: 44.55 feet below TOC
Total Depth: 78.10 feet below TOC
Water Column: 33.55 feet

Purging Activities

Purged By: JC | Purge Date: 10/8/2024
Purge Method: Submersible Pump | Well Diameter: 2"
Purge Volume Calculation (L): 33.55 ft. x 33.55 = 0.74 L x 3 Vol. = 2.22 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear | Odor: None | Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:22	0.0	211	purge start time						
10:29	1.6	↓	6.83	3,338.40	16.40	1.41	-90.00	23.26	
10:32	2.3		6.83	3,399.90	16.67	1.21	-93.30	26.33	
10:35	2.9		6.82	3,446.80	16.76	1.01	-95.80	27.54	
10:38	3.5		6.82	3,471.80	16.93	0.91	-97.70	17.18	
10:41	4.2		6.82	3,493.00	17.40	0.87	-99.20	20.97	

Sampling Activities

Sampled By: JC | Sample Date/Time: 10/8/2024 10:41
Sample Method: Low Flow | Sample Equipment: Submersible Pump
Sample Parameters: 6.82 pH | 3,493.00 Spec. Cond. | 17.40 Temp
Field Filtered: Yes | Filter Type: In line disposable
Water Level: 45.79 feet below TOC | Drawdown: 1.24 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp | **Date:** 10/8/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW02
Project Location:	Netwon, IL	**Sample ID:**	004
W.O. Number (s):	24091272	**Date (s):**	10/2/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/2/2024 10:22

Static Water Level: 7.12 feet below TOC

Total Depth: 23.70 feet below TOC

Water Column: 16.58 feet

Purging Activities

Purged By: JC — Purge Date: 10/2/2024

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 16.58 ft. x 16.58 = 0.36 L x 3 Vol. = 1.08 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:22	0.0	222	purge start time						
10:28	1.3	↓	6.18	5,033.30	17.79	3.59	7.60	75.04	
10:31	2.0		6.09	5,020.80	17.96	2.96	18.60	72.64	
10:34	2.7		6.10	4,996.20	18.02	2.55	2.80	69.71	
10:37	3.3		6.04	4,988.10	18.28	2.29	7.40	63.50	
10:40	4.0		6.08	4,964.20	18.41	2.08	16.80	59.06	
10:43	4.7		6.13	4,917.60	18.42	1.88	20.90	56.62	
10:46	5.3		6.09	4,862.20	18.54	1.75	20.40	58.85	
10:49	6.0		6.11	4,815.80	18.52	1.62	19.40	65.30	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/2/2024 10:49

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.11 pH — 4,815.80 Spec. Cond. — 18.52 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 11.31 feet below TOC — Drawdown: 4.19 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/2/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW03
Project Location:	Netwon, IL	**Sample ID:**	005
W.O. Number (s):	24091272	**Date (s):**	10/7/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☑ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/7/2024 11:08

Static Water Level: 7.83 feet below TOC

Total Depth: 24.00 feet below TOC

Water Column: 16.17 feet

Purging Activities

Purged By: BG Purge Date: 10/7/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 16.17 ft. x 16.17 = 0.36 L x 3 Vol. = 1.08 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 2.00 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:09	0.0	143	purge start time						
11:14	0.8	↓	6.50	1,225.00	19.45	1.53	-30.00	6.06	
11:17	1.3		6.49	1,224.70	19.81	1.58	-18.90	6.26	
11:20	1.7		6.49	1,221.90	19.89	1.53	-11.10	6.98	
11:23	2.1		6.49	1,221.00	19.83	1.49	-5.00	5.31	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/7/2024 11:23

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.49 pH 1,221.00 Spec. Cond. 19.83 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 10.12 feet below TOC Drawdown: 2.29 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll **Date:** 10/7/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW04
Project Location:	Netwon, IL	**Sample ID:**	006
W.O. Number (s):	24091272	**Date (s):**	10/7/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 65 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☑ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/7/2024 11:41

Static Water Level: 5.55 feet below TOC

Total Depth: 21.60 feet below TOC

Water Column: 16.05 feet

Purging Activities

Purged By: BG Purge Date: 10/7/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 16.05 ft. x 16.05 = 0.35 L x 3 Vol. = 1.05 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.50 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:42	0.0	110	purge start time						
12:08	2.9	↓	6.41	2,656.50	18.27	1.95	68.20	3.21	
12:11	3.2		6.41	2,658.40	18.32	1.86	67.30	1.51	
12:14	3.5		6.41	2,661.90	18.49	1.72	66.90	1.05	
12:17	3.9		6.41	2,665.00	18.71	1.65	67.20	1.17	
12:20	4.2		6.41	2,665.30	18.85	1.60	67.20	0.79	
12:23	4.5		6.41	2,668.50	18.72	1.55	67.40	5.89	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/7/2024 12:23

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.41 pH 2,668.50 Spec. Cond. 18.72 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 9.82 feet below TOC Drawdown: 4.27 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan **Date:** 10/7/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW05
Project Location:	Netwon, IL	**Sample ID:**	007
W.O. Number (s):	24091272	**Date (s):**	10/2/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 65 °F Wind Direction: ☐ N ☐ S ☐ E ☑ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/2/2024 11:27

Static Water Level: 14.40 feet below TOC

Total Depth: 70.80 feet below TOC

Water Column: 56.40 feet

Purging Activities

Purged By: JC Purge Date: 10/2/2024

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 56.4 ft. x 56.4 = 1.24 L x 3 Vol. = 3.72 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:28	0.0	222	purge start time						
11:34	1.5	↓	7.05	917.80	15.66	1.54	-139.40	7.34	
11:37	2.1		6.85	920.10	15.62	1.02	-164.30	4.94	
11:40	2.8		6.61	919.20	15.61	0.89	-171.20	12.08	
11:43	3.5		6.54	916.50	15.62	0.83	-171.80	15.79	
11:46	4.1		6.48	915.90	15.70	0.80	-170.20	19.98	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/2/2024 11:46

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 6.48 pH 915.90 Spec. Cond. 15.70 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 14.49 feet below TOC Drawdown: 0.09 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp **Date:** 10/2/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW05S
Project Location:	Netwon, IL	**Sample ID:**	008
W.O. Number (s):	24091272	**Date (s):**	10/2/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 66 °F — Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☑ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/2/2024 11:43

Static Water Level: 13.50 feet below TOC

Total Depth: 22.90 feet below TOC

Water Column: 9.40 feet

Purging Activities

Purged By: JC — Purge Date: 10/2/2024

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 9.4 ft. x 9.4 = 0.21 L x 3 Vol. = 0.63 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:43	0.0	171	purge start time						
11:51	1.5	↓	5.87	3,702.20	18.08	2.36	-18.40	4.53	
11:54	2.0		6.00	3,733.60	18.41	2.23	-10.70	4.54	
11:57	2.6		6.05	3,726.60	18.33	2.09	-7.30	4.24	
12:00	3.1		6.08	3,706.30	18.26	1.90	-5.10	31.67	
12:03	3.6		6.05	3,672.30	18.25	1.77	-3.00	43.01	
12:06	4.1		6.00	3,678.50	18.32	1.69	-0.20	176.77	
12:09	4.6		5.94	3,667.70	18.41	1.57	2.80	55.43	
12:12	5.1		5.93	3,662.00	18.27	1.48	6.80	1.80	
12:15	5.6		5.98	3,668.70	18.40	1.40	11.20	1.18	
12:18	6.2		6.13	3,665.90	18.54	1.37	15.30	1.27	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/2/2024 12:18

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.13 pH — 3,665.90 Spec. Cond. — 18.54 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 14.19 feet below TOC — Drawdown: 0.69 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/2/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW06
Project Location:	Netwon, IL	**Sample ID:**	009
W.O. Number (s):	24091272	**Date (s):**	10/8/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 53 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/8/2024 9:12

Static Water Level: 19.51 feet below TOC

Total Depth: 76.10 feet below TOC

Water Column: 56.59 feet

Purging Activities

Purged By: JC Purge Date: 10/8/2024

Purge Method: Submersible Pump Well Diameter: 2"

Purge Volume Calculation (L): 56.59 ft. x 56.59 = 1.24 L x 3 Vol. = 3.72 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:16	0.0	235	purge start time						
9:21	1.2	↓	7.43	699.00	14.23	1.88	-107.80	5.11	
9:24	1.9		7.46	698.50	14.68	1.15	-127.40	5.53	
9:27	2.6		7.47	699.00	14.89	0.92	-135.70	4.27	
9:30	3.3		7.48	699.00	15.19	0.85	-139.80	3.52	
9:33	4.0		7.48	698.80	15.57	0.78	-142.30	2.96	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/8/2024 9:33

Sample Method: Low Flow Sample Equipment: Submersible Pump

Sample Parameters: 7.48 pH 698.80 Spec. Cond. 15.57 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 21.00 feet below TOC Drawdown: 1.49 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp **Date:** 10/8/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW07
Project Location:	Netwon, IL	**Sample ID:**	010
W.O. Number (s):	24091272	**Date (s):**	10/8/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 57 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/8/2024 9:47

Static Water Level: 47.60 feet below TOC

Total Depth: 85.80 feet below TOC

Water Column: 38.20 feet

Purging Activities

Purged By: JC Purge Date: 10/8/2024

Purge Method: Submersible Pump Well Diameter: 2"

Purge Volume Calculation (L): 38.2 ft. x 38.2 = 0.84 L x 3 Vol. = 2.52 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.50 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:51	0.0	250	purge start time						
9:56	1.3	↓	7.18	859.60	14.40	1.52	-123.70	42.53	
9:59	2.0		7.17	860.10	14.90	1.19	-128.70	49.13	
10:02	2.8		7.17	860.40	15.14	1.05	-130.80	52.45	
10:05	3.5		7.17	861.50	15.52	0.98	-131.40	59.33	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/8/2024 10:05

Sample Method: Low Flow Sample Equipment: Submersible Pump

Sample Parameters: 7.17 pH 861.50 Spec. Cond. 15.52 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 48.01 feet below TOC Drawdown: 0.41 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp **Date:** 10/8/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW08
Project Location:	Netwon, IL	**Sample ID:**	011
W.O. Number (s):	24091272	**Date (s):**	10/2/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 56 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/2/2024 9:10

Static Water Level: 32.84 feet below TOC

Total Depth: 84.20 feet below TOC

Water Column: 51.36 feet

Purging Activities

Purged By: JC — Purge Date: 10/2/2024

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 51.36 ft. x 51.36 = 1.13 L x 3 Vol. = 3.39 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:12	0.0	217	purge start time						
9:20	1.9	↓	7.69	1,067.70	15.04	1.44	-34.00	3.23	
9:23	2.5		7.64	1,069.90	14.96	1.09	-24.50	2.97	
9:26	3.2		7.59	1,070.90	14.98	0.96	-31.50	2.72	
9:29	3.8		7.55	1,071.40	14.97	0.89	-49.00	2.33	
9:32	4.5		7.49	1,071.70	14.99	0.86	-70.90	2.19	
9:35	5.1		7.46	1,072.20	14.99	0.84	-87.80	3.42	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/2/2024 9:35

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 7.46 pH — 1,072.20 Spec. Cond. — 14.99 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 32.89 feet below TOC — Drawdown: 0.05 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/2/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW09
Project Location:	Netwon, IL	**Sample ID:**	012
W.O. Number (s):	24091272	**Date (s):**	10/8/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 65 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/8/2024 11:33

Static Water Level: 27.71 feet below TOC

Total Depth: 65.00 feet below TOC

Water Column: 37.29 feet

Purging Activities

Purged By: JC Purge Date: 10/8/2024

Purge Method: Submersible Pump Well Diameter: 2"

Purge Volume Calculation (L): 37.29 ft. x 37.29 = 0.82 L x 3 Vol. = 2.46 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:35	0.0	250	purge start time						
11:39	1.0	↓	7.35	1,144.60	16.96	1.74	-12.90	26.38	
11:42	1.8		7.34	1,146.80	17.60	1.03	-24.00	24.24	
11:45	2.5		7.33	1,151.20	18.22	0.79	-30.30	23.26	
11:48	3.3		7.32	1,152.60	18.29	0.67	-36.10	23.72	
11:51	4.0		7.32	1,152.50	18.13	0.58	-48.20	23.93	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/8/2024 11:51

Sample Method: Low Flow Sample Equipment: Submersible Pump

Sample Parameters: 7.32 pH 1,152.50 Spec. Cond. 18.13 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 27.96 feet below TOC Drawdown: 0.25 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp **Date:** 10/8/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW10
Project Location:	Netwon, IL	**Sample ID:**	013
W.O. Number (s):	24091272	**Date (s):**	10/1/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 73 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 11:23

Static Water Level: 18.86 feet below TOC

Total Depth: 48.70 feet below TOC

Water Column: 29.84 feet

Purging Activities

Purged By: JC — Purge Date: 10/1/2024

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 29.84 ft. x 29.84 = 0.66 L x 3 Vol. = 1.98 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.50 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:24	0.0	132	purge start time						
11:31	1.0	↓	7.45	1,457.60	16.27	2.02	104.20	297.14	
11:34	1.4		7.45	1,460.10	16.44	1.10	103.00	360.98	
11:37	1.7		7.51	1,460.20	16.34	1.00	98.70	201.12	
11:40	2.1		7.48	1,458.60	16.38	1.00	91.20	120.14	
11:43	2.5		7.51	1,459.70	16.33	0.93	80.40	79.97	
11:46	2.9		7.47	1,460.10	16.25	0.88	70.60	64.05	
11:49	3.3		7.42	1,458.90	16.25	0.84	61.30	53.70	
11:52	3.7		7.48	1,458.80	16.17	0.81	53.70	44.01	
11:55	4.1		7.46	1,459.20	16.22	0.79	47.50	35.68	
11:58	4.5		7.46	1,458.00	16.32	0.78	42.30	28.41	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/1/2024 11:58

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 7.46 pH — 1,458.00 Spec. Cond. — 16.32 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 19.00 feet below TOC — Drawdown: 0.14 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/1/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW11
Project Location:	Netwon, IL	**Sample ID:**	014
W.O. Number (s):	24091272	**Date (s):**	10/1/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 71 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 9:54

Static Water Level: 25.16 feet below TOC

Total Depth: 67.60 feet below TOC

Water Column: 42.44 feet

Purging Activities

Purged By: JC — Purge Date: 10/1/2024

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 42.44 ft. x 42.44 = 0.93 L x 3 Vol. = 2.79 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.50 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:57	0.0	161	purge start time						
10:04	1.2	↓	7.67	1,218.60	17.01	1.87	148.80	121.39	
10:07	1.7		7.67	1,218.70	17.90	1.46	95.60	116.72	
10:10	2.2		7.68	1,217.30	18.35	1.38	66.80	125.91	
10:13	2.6		7.64	1,215.70	18.41	1.31	44.00	110.36	
10:16	3.1		7.67	1,213.80	17.94	1.25	27.10	104.52	
10:19	3.6		7.68	1,213.90	17.57	1.22	15.60	88.48	
10:22	4.1		7.68	1,211.50	17.94	1.19	8.40	80.25	
10:25	4.6		7.61	1,211.50	18.02	1.17	3.20	85.71	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/1/2024 10:25

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 7.61 pH — 1,211.50 Spec. Cond. — 18.02 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 25.23 feet below TOC — Drawdown: 0.07 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/1/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW12
Project Location:	Netwon, IL	**Sample ID:**	015
W.O. Number (s):	24091272	**Date (s):**	10/1/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 72 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 10:45

Static Water Level: 16.38 feet below TOC

Total Depth: 33.00 feet below TOC

Water Column: 16.62 feet

Purging Activities

Purged By: JC Purge Date: 10/1/2024

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 16.62 ft. x 16.62 = 0.37 L x 3 Vol. = 1.11 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:45	0.0	222	purge start time						
10:48	0.8	↓	7.31	1,820.50	17.44	2.14	99.10	5.41	
10:51	1.5		7.32	1,917.30	17.87	1.55	96.10	5.18	
10:54	2.2		7.34	1,996.20	18.23	1.32	95.60	6.13	
10:57	2.8		7.37	2,033.20	18.28	1.19	96.20	5.95	
11:00	3.5		7.36	2,060.70	18.33	1.13	96.50	5.59	
11:03	4.2		7.36	2,080.10	18.12	1.07	96.90	5.38	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/1/2024 11:03

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 7.36 pH 2,080.10 Spec. Cond. 18.12 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 16.40 feet below TOC Drawdown: 0.02 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp **Date:** 10/1/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW13
Project Location:	Netwon, IL	**Sample ID:**	016
W.O. Number (s):	24091272	**Date (s):**	10/1/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 75 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 12:21

Static Water Level: 33.40 feet below TOC

Total Depth: 66.30 feet below TOC

Water Column: 32.90 feet

Purging Activities

Purged By: JC — Purge Date: 10/1/2024

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 32.9 ft. x 32.9 = 0.72 L x 3 Vol. = 2.16 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:22	0.0	240	purge start time						
12:26	1.0	↓	7.66	1,354.50	15.72	2.07	48.90	9.20	
12:29	1.7		7.61	1,352.90	15.81	1.17	2.80	13.33	
12:32	2.4		7.65	1,351.90	15.72	0.94	-32.50	22.70	
12:35	3.1		7.69	1,350.60	15.51	0.86	-56.70	40.85	
12:38	3.8		7.65	1,348.20	15.28	0.81	-68.70	62.97	
12:41	4.6		7.65	1,344.80	16.23	0.78	-74.30	78.53	
12:44	5.3		7.51	1,349.70	17.56	0.78	-77.10	94.18	
12:47	6.0		7.53	1,350.70	17.82	0.81	-79.50	105.66	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/1/2024 12:47

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 7.53 pH — 1,350.70 Spec. Cond. — 17.82 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 33.62 feet below TOC — Drawdown: 0.22 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/1/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW14
Project Location:	Netwon, IL	**Sample ID:**	017
W.O. Number (s):	24091272	**Date (s):**	10/1/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 76 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 13:03

Static Water Level: 22.01 feet below TOC

Total Depth: 57.40 feet below TOC

Water Column: 35.39 feet

Purging Activities

Purged By: JC — Purge Date: 10/1/2024

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 35.39 ft. x 35.39 = 0.78 L x 3 Vol. = 2.34 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 7.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:04	0.0	241	purge start time						
13:09	1.3	↓	7.28	1,446.00	16.04	3.06	-29.90	100.71	
13:12	2.1		7.24	1,448.00	15.74	1.89	-67.80	13.59	
13:15	2.8		7.25	1,449.20	15.62	1.74	-87.70	48.08	
13:18	3.5		7.25	1,448.40	15.48	1.73	-98.20	88.64	
13:21	4.2		7.15	1,433.20	15.37	1.43	-104.70	145.64	
13:24	5.0		7.06	1,448.50	15.35	1.20	-107.90	101.12	
13:27	5.7		7.00	1,448.40	15.31	0.99	-111.10	90.03	
13:30	6.4		6.96	1,444.30	15.30	0.91	-112.80	92.70	
13:33	7.1		6.96	1,439.50	15.31	0.83	-114.40	95.10	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/1/2024 13:33

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.96 pH — 1,439.50 Spec. Cond. — 15.31 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 22.23 feet below TOC — Drawdown: 0.22 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/1/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW15
Project Location:	Netwon, IL	**Sample ID:**	018
W.O. Number (s):	24091272	**Date (s):**	10/1/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 75 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 13:52

Static Water Level: 21.33 feet below TOC

Total Depth: 105.60 feet below TOC

Water Column: 84.27 feet

Purging Activities

Purged By: JC — Purge Date: 10/1/2024

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 84.27 ft. x 84.27 = 1.85 L x 3 Vol. = 5.55 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:53	0.0	152	purge start time						
13:59	0.9	↓	7.28	1,917.00	17.38	1.11	-131.20	74.83	
14:02	1.4		7.31	1,910.50	17.97	1.06	-128.50	72.80	
14:05	1.8		7.25	1,902.70	18.08	1.02	-127.30	96.52	
14:08	2.3		7.24	1,918.20	18.06	0.95	-127.10	144.97	
14:11	2.7		7.32	1,903.00	18.06	0.89	-126.30	170.55	
14:14	3.2		7.29	1,923.20	18.05	0.86	-125.20	215.96	
14:17	3.6		7.32	1,912.80	18.01	0.83	-125.40	239.10	
14:20	4.1		7.28	1,898.50	18.05	0.81	-125.30	179.68	
14:23	4.5		7.27	1,908.90	17.96	0.79	-125.30	273.79	
14:26	5.0		7.27	1,911.00	17.95	0.77	-124.40	262.50	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/1/2024 14:26

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 7.27 pH — 1,911.00 Spec. Cond. — 17.95 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 22.10 feet below TOC — Drawdown: 0.77 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/1/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW16
Project Location:	Netwon, IL	**Sample ID:**	019
W.O. Number (s):	24091272	**Date (s):**	10/2/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 53 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/2/2024 8:41

Static Water Level: 40.74 feet below TOC

Total Depth: 87.50 feet below TOC

Water Column: 46.76 feet

Purging Activities

Purged By: JC Purge Date: 10/2/2024

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 46.76 ft. x 46.76 = 1.03 L x 3 Vol. = 3.09 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
8:41	0.0	208	purge start time						
8:50	1.9	↓	7.45	1,231.40	13.90	1.97	-77.40	14.22	
8:53	2.5		7.39	1,236.00	13.87	1.57	-105.10	12.95	
8:56	3.1		7.36	1,239.80	13.87	1.36	-116.20	12.05	
8:59	3.8		7.37	1,242.80	13.90	1.19	-123.80	10.20	
9:02	4.4		7.39	1,245.00	13.92	1.11	-128.40	9.82	
9:05	5.0		7.46	1,246.30	13.93	1.06	-131.00	7.86	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/2/2024 9:05

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 7.46 pH 1,246.30 Spec. Cond. 13.93 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 40.82 feet below TOC Drawdown: 0.08 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp **Date:** 10/2/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW17
Project Location:	Netwon, IL	**Sample ID:**	020
W.O. Number (s):	24091272	**Date (s):**	10/2/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 58 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/2/2024 9:40

Static Water Level: 41.90 feet below TOC

Total Depth: 94.70 feet below TOC

Water Column: 52.80 feet

Purging Activities

Purged By: JC Purge Date: 10/2/2024

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 52.8 ft. x 52.8 = 1.16 L x 3 Vol. = 3.48 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:00	0.0	222	purge start time						
10:03	0.7	↓	7.50	1,141.70	14.82	1.91	-72.70	9.05	
10:06	1.4		7.17	1,126.50	15.08	1.49	-99.80	9.76	
10:09	2.0		7.03	1,124.70	15.13	1.46	-106.80	13.73	
10:12	2.7		6.97	1,123.90	15.13	1.35	-110.30	18.39	
10:15	3.4		6.95	1,121.50	15.10	1.28	-112.80	22.96	
10:18	4.0		6.91	1,119.70	15.09	1.28	-113.00	26.73	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/2/2024 10:18

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 6.91 pH 1,119.70 Spec. Cond. 15.09 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 41.90 feet below TOC Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp **Date:** 10/2/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW18
Project Location:	Netwon, IL	**Sample ID:**	021
W.O. Number (s):	24091272	**Date (s):**	10/2/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 63 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/2/2024 10:55

Static Water Level: 52.36 feet below TOC

Total Depth: 82.70 feet below TOC

Water Column: 30.34 feet

Purging Activities

Purged By: JC — Purge Date: 10/2/2024

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 30.34 ft. x 30.34 = 0.67 L x 3 Vol. = 2.01 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:56	0.0	240	purge start time						
11:03	1.7	↓	7.92	979.30	15.80	2.74	-120.20	5.73	
11:06	2.4		7.35	979.10	15.73	1.68	-144.60	11.54	
11:09	3.1		7.25	977.50	15.64	1.28	-162.40	25.18	
11:12	3.8		7.19	972.70	15.64	1.09	-173.10	40.97	
11:15	4.6		7.13	975.70	15.52	0.99	-181.00	59.02	
11:18	5.3		7.10	973.00	15.52	0.93	-185.60	91.02	
11:21	6.0		7.05	971.80	15.46	0.90	-187.80	122.64	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/2/2024 11:21

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 7.05 pH — 971.80 Spec. Cond. — 15.46 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 52.49 feet below TOC — Drawdown: 0.13 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/2/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW19S
Project Location:	Netwon, IL	**Sample ID:**	022
W.O. Number (s):	24091272	**Date (s):**	10/7/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/7/2024 10:05

Static Water Level: 8.63 feet below TOC

Total Depth: 20.34 feet below TOC

Water Column: 11.71 feet

Purging Activities

Purged By: BG Purge Date: 10/7/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 11.71 ft. x 11.71 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 2.50 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:16	0.0	132	purge start time						
10:23	0.9	↓	6.40	5,238.30	18.93	1.64	-96.30	16.93	
10:26	1.3		6.40	5,187.70	19.08	1.96	-88.30	10.59	
10:29	1.7		6.40	5,153.50	19.00	2.05	-82.60	9.25	
10:32	2.1		6.40	5,131.40	19.09	2.04	-76.60	7.85	
10:35	2.5		6.39	5,119.00	19.15	2.02	-72.90	8.04	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/7/2024 10:35

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.39 pH 5,119.00 Spec. Cond. 19.15 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 12.08 feet below TOC Drawdown: 3.45 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan **Date:** 10/7/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW20S
Project Location:	Netwon, IL	**Sample ID:**	023
W.O. Number (s):	24091272	**Date (s):**	10/2/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 65 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/2/2024 13:05

Static Water Level: 19.33 feet below TOC

Total Depth: 27.40 feet below TOC

Water Column: 8.07 feet

Purging Activities

Purged By: BG Purge Date: 10/2/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 8.07 ft. x 8.07 = 0.18 L x 3 Vol. = 0.54 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 1.50 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:04	0.0	35	purge start time						
13:23	0.7	↓	7.21	3,196.00	25.96	7.22	-98.10	87.66	
13:26	0.8		7.27	3,204.90	26.93	7.36	-99.30	86.00	
13:29	0.9		7.32	3,213.00	27.82	7.45	-95.40	84.97	
13:32	1.0		7.38	3,219.00	28.74	7.52	-84.00	83.37	
13:35	1.1		7.10	3,234.00	28.20	5.77	-90.00	99.56	
13:38	1.2		6.88	3,249.00	24.18	5.03	-80.80	106.68	
13:41	1.3		6.86	3,244.90	22.28	5.11	-79.00	114.47	
13:44	1.4		6.86	3,243.70	21.62	5.40	-78.50	113.80	
13:47	1.5		6.87	3,246.00	21.33	5.61	-76.70	108.78	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/2/2024 13:47

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.87 pH 3,246.00 Spec. Cond. 21.33 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 20.91 feet below TOC Drawdown: 1.58 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll **Date:** 10/2/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW21S
Project Location:	Netwon, IL	**Sample ID:**	024
W.O. Number (s):	24091272	**Date (s):**	10/2/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.

Name: Brett Gillihan — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/2/2024 12:18

Static Water Level: 13.30 feet below TOC

Total Depth: 22.70 feet below TOC

Water Column: 9.40 feet

Purging Activities

Purged By: TC — Purge Date: 10/2/2024

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 9.4 ft. x 9.4 = 0.21 L x 3 Vol. = 0.63 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.50 L

Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:20	0.0	161	purge start time						
12:30	1.6	↓	7.00	1,236.00	17.90	1.98	-25.70	35.43	
12:33	2.1		7.00	1,233.50	18.07	1.70	-21.30	17.30	
12:36	2.6		6.99	1,231.90	18.12	1.66	-17.60	14.04	
12:39	3.1		6.99	1,231.00	18.21	1.47	-14.50	122.87	
12:42	3.5		7.00	1,230.70	18.40	1.29	-13.90	51.56	
12:45	4.0		7.00	1,231.10	18.48	1.21	-13.20	50.30	
12:48	4.5		7.01	1,231.90	18.42	1.13	-13.30	49.39	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/2/2024 12:48

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 7.01 pH — 1,231.90 Spec. Cond. — 18.42 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 13.87 feet below TOC — Drawdown: 0.57 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll — **Date:** 10/2/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW22S
Project Location:	Netwon, IL	**Sample ID:**	025
W.O. Number (s):	24091272	**Date (s):**	10/2/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 63 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/2/2024 11:37

Static Water Level: 9.26 feet below TOC

Total Depth: 26.25 feet below TOC

Water Column: 16.99 feet

Purging Activities

Purged By: BG Purge Date: 10/2/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 16.99 ft. x 16.99 = 0.37 L x 3 Vol. = 1.11 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:28	0.0	115	purge start time						
11:42	1.6	↓	6.06	6,557.80	17.60	1.74	-26.80	22.06	
11:45	2.0		6.10	6,657.10	18.21	1.45	-23.40	31.71	
11:48	2.3		6.11	6,763.80	18.30	1.32	-21.10	27.29	
11:51	2.7		6.12	6,805.20	18.21	1.23	-20.30	25.73	
11:54	3.0		6.12	6,823.60	18.34	1.12	-19.70	42.83	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/2/2024 11:54

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.12 pH 6,823.60 Spec. Cond. 18.34 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 11.20 feet below TOC Drawdown: 1.94 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868
-

Form Completed By: Tracy Carroll **Date:** 10/2/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW23
Project Location:	Netwon, IL	**Sample ID:**	026
W.O. Number (s):	24091272	**Date (s):**	10/2/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/2/2024 9:50

Static Water Level: 15.59 feet below TOC

Total Depth: 46.02 feet below TOC

Water Column: 30.43 feet

Purging Activities

Purged By: BG Purge Date: 10/2/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 30.43 ft. x 30.43 = 0.67 L x 3 Vol. = 2.01 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:50	0.0	146	purge start time						
10:01	1.7	↓	7.18	1,382.60	17.20	2.41	-162.90	22.97	
10:04	2.2		7.16	1,382.30	17.09	2.41	-149.70	50.35	
10:07	2.6		7.16	1,383.40	17.18	1.99	-142.50	48.26	
10:10	3.1		7.16	1,381.90	17.10	2.18	-138.60	68.10	
10:13	3.5		7.16	1,378.50	17.16	1.95	-135.70	68.78	
10:16	3.9		7.16	1,381.10	17.31	1.61	-131.10	54.65	
10:19	4.4		7.16	1,377.60	17.69	2.07	-123.70	43.02	
10:22	4.8		7.18	1,376.20	17.92	3.34	-110.50	34.78	
10:25	5.3		7.20	1,376.00	18.22	4.36	-102.50	11.02	
10:28	5.7		7.22	1,376.20	18.42	5.40	-99.70	7.59	
10:31	6.1		7.22	1,376.10	18.47	5.85	-99.10	4.52	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/2/2024 10:31

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 7.22 pH 1,376.10 Spec. Cond. 18.47 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 15.82 feet below TOC Drawdown: 0.23 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll **Date:** 10/2/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW23S
Project Location:	Netwon, IL	**Sample ID:**	027
W.O. Number (s):	24091272	**Date (s):**	10/2/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/2/2024 9:11

Static Water Level: 7.79 feet below TOC

Total Depth: 22.40 feet below TOC

Water Column: 14.61 feet

Purging Activities

Purged By: BG Purge Date: 10/2/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 14.61 ft. x 14.61 = 0.32 L x 3 Vol. = 0.96 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.50 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:12	0.0	135	purge start time						
9:26	1.9	↓	6.95	2,790.00	18.17	2.54	-127.20	11.08	
9:29	2.3		6.95	2,775.30	18.63	2.53	-130.50	8.83	
9:32	2.7		6.94	2,750.40	18.79	2.39	-129.80	7.52	
9:35	3.1		6.94	2,730.50	18.86	2.24	-127.50	6.49	
9:38	3.5		6.93	2,703.50	18.93	2.06	-124.60	5.80	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/2/2024 9:38

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.93 pH 2,703.50 Spec. Cond. 18.93 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 10.15 feet below TOC Drawdown: 2.36 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan **Date:** 10/2/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G104
Project Location:	Netwon, IL	**Sample ID:**	028
W.O. Number (s):	24091272	**Date (s):**	10/7/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/7/2024 9:56

Static Water Level: 9.46 feet below TOC

Total Depth: 42.96 feet below TOC

Water Column: 33.50 feet

Purging Activities

Purged By: JC — Purge Date: 10/7/2024

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 33.5 ft. x 33.5 = 0.74 L x 3 Vol. = 2.22 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:57	0.0	174	purge start time						
10:05	1.4	↓	6.76	1,124.60	16.75	2.93	103.70	27.89	
10:08	1.9		6.72	1,118.80	17.08	2.22	99.70	45.20	
10:11	2.4		6.70	1,117.60	17.33	1.95	96.10	61.67	
10:14	3.0		6.70	1,117.40	17.50	1.83	92.70	84.59	
10:17	3.5		6.69	1,117.20	17.83	1.93	90.00	31.15	
10:20	4.0		6.71	1,119.30	17.84	1.94	87.40	58.17	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/7/2024 10:20

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.71 pH — 1,119.30 Spec. Cond. — 17.84 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 10.45 feet below TOC — Drawdown: 0.99 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/7/2024

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: G104D
Sample ID: 029
Date (s): 10/1/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 73 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 11:04
Static Water Level: 49.91 feet below TOC
Total Depth: 88.80 feet below TOC
Water Column: 38.89 feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Tracy Carroll **Date:** 10/1/2024

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: G104S
Sample ID: 030
Date (s): 10/1/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 73 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad: Good
Casing: Good
Protective Casing: Good
Reference Mark/Identification: Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 11:03
Static Water Level: 10.53 feet below TOC
Total Depth: 25.20 feet below TOC
Water Column: 14.67 feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Tracy Carroll **Date:** 10/1/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G105
Project Location:	Netwon, IL	**Sample ID:**	031
W.O. Number (s):	24091272	**Date (s):**	10/7/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 71 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/7/2024 13:20

Static Water Level: 11.85 feet below TOC

Total Depth: 25.80 feet below TOC

Water Column: 13.95 feet

Purging Activities

Purged By: JC — Purge Date: 10/7/2024

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 13.95 ft. x 13.95 = 0.31 L x 3 Vol. = 0.93 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear — Odor: Moderate — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:36	0.0	208	purge start time						
13:42	1.2	↓	6.51	1,780.20	18.86	2.92	-65.90	6.24	
13:45	1.9		6.51	1,757.30	18.65	2.60	-78.90	6.33	
13:48	2.5		6.53	1,722.90	18.65	2.28	-93.10	7.44	
13:51	3.1		6.54	1,691.50	18.91	2.03	-103.50	7.53	
13:54	3.7		6.54	1,678.50	18.93	1.89	-107.40	6.13	
13:57	4.4		6.51	1,641.70	18.90	1.82	-99.50	2.19	
14:00	5.0		6.50	1,621.00	18.96	1.77	-88.30	1.23	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/7/2024 14:00

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.50 pH — 1,621.00 Spec. Cond. — 18.96 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 13.80 feet below TOC — Drawdown: 1.95 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/7/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G106
Project Location:	Netwon, IL	**Sample ID:**	032
W.O. Number (s):	24091272	**Date (s):**	10/3/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 73 °F Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/3/2024 12:35

Static Water Level: 25.00 feet below TOC

Total Depth: 35.70 feet below TOC

Water Column: 10.70 feet

Purging Activities

Purged By: JC Purge Date: 10/3/2024

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 10.7 ft. x 10.7 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:35	0.0	150	purge start time						
12:42	1.1	↓	6.50	2,509.30	14.94	6.07	31.00	143.33	
12:45	1.5		6.41	2,544.60	14.89	3.47	14.50	264.82	
12:48	1.9		6.38	2,533.00	14.71	1.91	8.20	274.35	
12:51	2.4		6.37	2,514.90	14.70	1.32	6.80	323.20	
12:54	2.8		6.37	2,496.50	14.73	1.07	8.60	281.15	
12:57	3.3		6.37	2,481.60	14.76	0.96	11.30	250.15	
13:00	3.7		6.36	2,466.40	14.77	0.95	13.90	186.61	
13:03	4.2		6.37	2,450.30	14.83	0.96	16.30	155.00	
13:06	4.6		6.36	2,441.80	14.92	0.97	18.30	117.38	
13:09	5.1		6.36	2,438.50	15.01	0.96	19.80	92.55	
13:12	5.6		6.37	2,435.00	15.14	0.95	21.10	73.21	
13:15	6.0		6.36	2,431.40	15.21	0.93	22.20	61.80	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/3/2024 13:15

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 6.36 pH 2,431.40 Spec. Cond. 15.21 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 25.50 feet below TOC Drawdown: 0.50 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp **Date:** 10/3/2024

Field Data Sheet

Project Name: NEW- 24Q4 **Monitoring Point:** G109
Project Location: Netwon, IL **Sample ID:** 033
W.O. Number (s): 24091272 **Date (s):** 10/1/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 73 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 12:04
Static Water Level: 11.03 feet below TOC
Total Depth: 24.10 feet below TOC
Water Column: 13.07 feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Tracy Carroll **Date:** 10/1/2024

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: G111
Sample ID: 034
Date (s): 10/1/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 73 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad: Good
Casing: Good
Protective Casing: Good
Reference Mark/Identification: Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 11:06
Static Water Level: 9.96 feet below TOC
Total Depth: 21.90 feet below TOC
Water Column: 11.94 feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Tracy Carroll **Date:** 10/1/2024

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: G112
Sample ID: 035
Date (s): 10/1/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 74 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad: Good
Casing: Good
Protective Casing: Good
Reference Mark/Identification: Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 13:18
Static Water Level: 9.76 feet below TOC
Total Depth: 23.60 feet below TOC
Water Column: 13.84 feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Tracy Carroll **Date:** 10/1/2024

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: G113
Sample ID: 036
Date (s): 10/1/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 71 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 10:13
Static Water Level: 23.64 feet below TOC
Total Depth: 34.20 feet below TOC
Water Column: 10.56 feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Tracy Carroll **Date:** 10/1/2024

Field Data Sheet

Project Name: NEW- 24Q4 **Monitoring Point:** G114
Project Location: Netwon, IL **Sample ID:** 037
W.O. Number (s): 24091272 **Date (s):** 10/1/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 73 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 11:52
Static Water Level: 19.06 feet below TOC
Total Depth: 44.68 feet below TOC
Water Column: 25.62 feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Tracy Carroll **Date:** 10/1/2024

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: G115
Sample ID: 038
Date (s): 10/1/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 73 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad: Good
Casing: Good
Protective Casing: Good
Reference Mark/Identification: Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 11:40
Static Water Level: 8.70 feet below TOC
Total Depth: 19.60 feet below TOC
Water Column: 10.90 feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Tracy Carroll **Date:** 10/1/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G116
Project Location:	Netwon, IL	**Sample ID:**	039
W.O. Number (s):	24091272	**Date (s):**	10/8/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 66 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/8/2024 12:21

Static Water Level: 7.39 feet below TOC

Total Depth: 21.80 feet below TOC

Water Column: 14.41 feet

Purging Activities

Purged By: BG Purge Date: 10/8/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 14.41 ft. x 14.41 = 0.32 L x 3 Vol. = 0.96 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: No ne

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:25	0.0	200	purge start time						
12:30	1.0	↓	6.83	857.50	19.84	1.02	12.80	21.24	
12:33	1.6		6.83	849.10	19.81	0.88	14.60	30.29	
12:36	2.2		6.83	841.60	19.74	0.73	16.80	30.78	
12:39	2.8		6.82	840.30	19.67	0.68	23.30	7.42	
12:42	3.4		6.82	837.90	19.69	0.62	27.10	10.38	
12:45	4.0		6.82	836.90	19.75	0.61	29.70	14.08	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/8/2024 12:45

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.82 pH 836.90 Spec. Cond. 19.75 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 8.33 feet below TOC Drawdown: 0.94 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan **Date:** 10/8/2024

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: G117
Sample ID: 040
Date (s): 10/1/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 74 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 12:53
Static Water Level: 16.87 feet below TOC
Total Depth: 21.80 feet below TOC
Water Column: 4.93 feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Brett Gillihan **Date:** 10/1/2024

Field Data Sheet

Project Name: NEW- 24Q4 | **Monitoring Point:** G118
Project Location: Netwon, IL | **Sample ID:** 041
W.O. Number (s): 24091272 | **Date (s):** 10/1/2024

Field Team Members

Name: Brett Gillihan | Affiliation: TekLab, Inc.
Name: | Affiliation:

Weather Conditions

Temp: 74 °F | Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy | Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 12:41
Static Water Level: 15.72 feet below TOC
Total Depth: 22.70 feet below TOC
Water Column: 6.98 feet

Purging Activities

Purged By: | Purge Date:
Purge Method: | Well Diameter:
Purge Volume Calculation (L): **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: | Odor: | Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: | Sample Date/Time:
Sample Method: | Sample Equipment:
Sample Parameters: pH | Spec. Cond. | Temp
Field Filtered: | Filter Type:
Water Level: feet below TOC | Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Brett Gillihan | **Date:** 10/1/2024

Field Data Sheet

Project Name: NEW- 24Q4 **Monitoring Point:** G119
Project Location: Netwon, IL **Sample ID:** 042
W.O. Number (s): 24091272 **Date (s):** 10/1/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 73 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad: Good
Casing: Good
Protective Casing: Good
Reference Mark/Identification: Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 12:00
Static Water Level: 10.71 feet below TOC
Total Depth: 22.80 feet below TOC
Water Column: 12.09 feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Brett Gillihan **Date:** 10/1/2024

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: G120
Sample ID: 043
Date (s): 10/1/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 73 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad: Good
Casing: Good
Protective Casing: Good
Reference Mark/Identification: Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 12:07
Static Water Level: 11.43 feet below TOC
Total Depth: 23.70 feet below TOC
Water Column: 12.27 feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Brett Gillihan **Date:** 10/1/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G125
Project Location:	Netwon, IL	**Sample ID:**	044
W.O. Number (s):	24091272	**Date (s):**	10/7/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 63 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/7/2024 11:03

Static Water Level: 3.93 feet below TOC

Total Depth: 22.80 feet below TOC

Water Column: 18.87 feet

Purging Activities

Purged By: JC — Purge Date: 10/7/2024

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 18.87 ft. x 18.87 = 0.42 L x 3 Vol. = 1.26 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:05	0.0	222	purge start time						
11:08	0.7	↓	6.39	3,023.30	17.99	3.78	6.20	11.68	
11:11	1.3		6.35	3,022.30	18.46	3.53	11.90	22.07	
11:14	2.0		6.35	3,019.70	18.52	3.02	22.90	4.15	
11:17	2.7		6.35	3,019.50	18.94	2.57	29.70	4.14	
11:20	3.3		6.35	3,017.20	18.83	2.32	32.90	4.24	
11:23	4.0		6.35	3,012.40	18.59	1.99	34.20	2.91	
11:26	4.7		6.35	3,011.40	18.63	1.77	35.40	2.47	
11:29	5.3		6.35	3,009.80	18.71	1.58	36.40	1.97	
11:32	6.0		6.35	3,013.30	18.98	1.41	37.20	2.08	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/7/2024 11:32

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.35 pH — 3,013.30 Spec. Cond. — 18.98 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 12.09 feet below TOC — Drawdown: 8.16 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/7/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G128
Project Location:	Netwon, IL	**Sample ID:**	045
W.O. Number (s):	24091272	**Date (s):**	10/7/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 66 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/7/2024 11:44

Static Water Level: 2.85 feet below TOC

Total Depth: 30.20 feet below TOC

Water Column: 27.35 feet

Purging Activities

Purged By: JC Purge Date: 10/7/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 27.35 ft. x 27.35 = 0.6 L x 3 Vol. = 1.8 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:45	0.0	200	purge start time						
11:48	0.6	↓	6.44	12,060.90	17.76	2.65	12.10	3.79	
11:51	1.2		6.40	12,140.60	17.73	1.63	4.40	11.17	
11:54	1.8		6.40	12,240.80	17.85	1.38	3.00	26.84	
11:57	2.4		6.40	12,296.60	17.81	1.21	1.70	46.13	
12:00	3.0		6.40	12,331.00	17.91	1.15	0.60	57.05	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/7/2024 12:00

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.40 pH 12,331.00 Spec. Cond. 17.91 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 6.43 feet below TOC Drawdown: 3.58 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp **Date:** 10/7/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G130
Project Location:	Netwon, IL	**Sample ID:**	046
W.O. Number (s):	24091272	**Date (s):**	10/3/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 70 °F Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/3/2024 13:07

Static Water Level: 8.59 feet below TOC

Total Depth: 21.90 feet below TOC

Water Column: 13.31 feet

Purging Activities

Purged By: BG Purge Date: 10/3/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 13.31 ft. x 13.31 = 0.29 L x 3 Vol. = 0.87 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:10	0.0	222	purge start time						
13:19	2.0	↓	6.27	11,458.30	20.40	1.14	82.70	4.86	
13:22	2.7		6.28	11,455.60	20.29	1.02	83.10	5.74	
13:25	3.3		6.28	11,467.00	20.43	0.96	82.90	9.36	
13:28	4.0		6.29	11,456.00	20.41	0.92	81.90	6.06	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/3/2024 13:28

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.29 pH 11,456.00 Spec. Cond. 20.41 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 8.62 feet below TOC Drawdown: 0.03 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll **Date:** 10/3/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G133
Project Location:	Netwon, IL	**Sample ID:**	047
W.O. Number (s):	24091272	**Date (s):**	10/3/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 66 °F Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/3/2024 12:23

Static Water Level: 14.21 feet below TOC

Total Depth: 27.90 feet below TOC

Water Column: 13.69 feet

Purging Activities

Purged By: BG Purge Date: 10/3/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 13.69 ft. x 13.69 = 0.3 L x 3 Vol. = 0.9 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:26	0.0	115	purge start time						
12:37	1.3	↓	6.59	6,454.30	18.58	1.58	34.40	33.05	
12:40	1.7		6.59	6,446.90	18.71	1.44	38.30	26.03	
12:43	2.0		6.59	6,433.70	18.77	1.30	39.10	24.63	
12:46	2.4		6.59	6,394.20	18.86	1.18	38.70	20.49	
12:49	2.7		6.59	6,383.50	18.83	1.09	37.60	15.96	
12:52	3.0		6.60	6,316.60	18.71	0.97	37.30	12.53	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/3/2024 12:52

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.60 pH 6,316.60 Spec. Cond. 18.71 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 14.55 feet below TOC Drawdown: 0.34 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan **Date:** 10/3/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G136
Project Location:	Netwon, IL	**Sample ID:**	048
W.O. Number (s):	24091272	**Date (s):**	10/3/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/3/2024 11:28

Static Water Level: 9.85 feet below TOC

Total Depth: 22.30 feet below TOC

Water Column: 12.45 feet

Purging Activities

Purged By: BG Purge Date: 10/3/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 12.45 ft. x 12.45 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:28	0.0	100	purge start time						
11:43	1.5	↓	7.24	2,909.00	21.71	7.71	23.00	25.68	
11:46	1.8		7.20	2,731.30	20.69	7.60	29.50	14.82	
11:49	2.1		7.18	2,715.20	20.33	7.38	36.20	11.88	
11:52	2.4		7.21	2,803.20	20.56	7.77	38.70	9.19	
11:55	2.7		7.23	2,896.70	20.70	7.92	40.10	8.84	
11:58	3.0		7.24	2,976.90	20.81	8.00	41.10	8.39	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/3/2024 11:58

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 7.24 pH 2,976.90 Spec. Cond. 20.81 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 10.66 feet below TOC Drawdown: 0.81 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan **Date:** 10/3/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G139
Project Location:	Netwon, IL	**Sample ID:**	049
W.O. Number (s):	24091272	**Date (s):**	10/3/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F Wind Direction: ☐ N ☐ S ☐ E ☑ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/3/2024 10:32

Static Water Level: 8.97 feet below TOC

Total Depth: 22.90 feet below TOC

Water Column: 13.93 feet

Purging Activities

Purged By: BG Purge Date: 10/3/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 13.93 ft. x 13.93 = 0.31 L x 3 Vol. = 0.93 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 7.00 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:32	0.0	167	purge start time						
10:59	4.5	↓	6.67	7,685.80	18.37	1.49	-10.10	20.37	
11:02	5.0		6.67	7,598.10	18.34	1.35	-8.80	21.62	
11:05	5.5		6.68	7,541.30	18.41	1.25	-6.90	22.44	
11:08	6.0		6.68	7,485.90	18.41	1.13	-8.50	24.87	
11:11	6.5		6.68	7,428.00	18.35	1.05	-4.20	28.25	
11:14	7.0		6.68	7,377.40	18.41	0.95	-1.20	31.28	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/3/2024 11:14

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.68 pH 7,377.40 Spec. Cond. 18.41 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 9.56 feet below TOC Drawdown: 0.59 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan **Date:** 10/3/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G141
Project Location:	Netwon, IL	**Sample ID:**	050
W.O. Number (s):	24091272	**Date (s):**	10/7/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/7/2024 12:08

Static Water Level: 16.02 feet below TOC

Total Depth: 25.32 feet below TOC

Water Column: 9.30 feet

Purging Activities

Purged By: JC — Purge Date: 10/7/2024

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 9.3 ft. x 9.3 = 0.2 L x 3 Vol. = 0.6 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.50 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:17	0.0	214	purge start time						
12:23	1.3	↓	6.70	3,138.30	17.06	2.62	-10.60	3.50	
12:26	2.0		6.75	2,806.20	17.23	2.26	-7.40	3.63	
12:29	2.6		6.81	2,374.40	17.48	2.10	-5.30	4.77	
12:32	3.2		6.78	2,054.10	17.56	1.99	-1.50	3.42	
12:35	3.9		6.68	1,819.50	17.63	2.08	9.40	2.50	
12:38	4.5		6.64	1,769.60	17.44	2.10	18.90	1.64	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/7/2024 12:38

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.64 pH — 1,769.60 Spec. Cond. — 17.44 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 17.02 feet below TOC — Drawdown: 1.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/7/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G217S
Project Location:	Netwon, IL	**Sample ID:**	051
W.O. Number (s):	24091272	**Date (s):**	10/7/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/7/2024 10:27

Static Water Level: 8.13 feet below TOC

Total Depth: 21.40 feet below TOC

Water Column: 13.27 feet

Purging Activities

Purged By: JC — Purge Date: 10/7/2024

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 13.27 ft. x 13.27 = 0.29 L x 3 Vol. = 0.87 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:28	0.0	208	purge start time						
10:37	1.9	↓	6.32	4,630.30	18.93	4.92	121.30	15.94	
10:40	2.5		6.29	4,636.90	19.10	4.29	122.40	12.69	
10:43	3.1		6.28	4,641.00	19.16	3.98	122.90	8.02	
10:46	3.7		6.29	4,640.40	19.29	4.08	123.30	3.91	
10:49	4.4		6.30	4,644.30	19.43	4.22	123.60	1.99	
10:52	5.0		6.31	4,647.40	19.52	4.26	123.90	1.70	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/7/2024 10:52

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.31 pH — 4,647.40 Spec. Cond. — 19.52 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 12.53 feet below TOC — Drawdown: 4.40 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/7/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G221
Project Location:	Netwon, IL	**Sample ID:**	052
W.O. Number (s):	24091272	**Date (s):**	10/3/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 71 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/3/2024 11:47

Static Water Level: 23.85 feet below TOC

Total Depth: 86.90 feet below TOC

Water Column: 63.05 feet

Purging Activities

Purged By: JC — Purge Date: 10/3/2024

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 63.05 ft. x 63.05 = 1.39 L x 3 Vol. = 4.17 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:48	0.0	148	purge start time						
11:57	1.3	↓	6.93	1,102.80	18.02	4.41	-81.80	14.04	
12:00	1.8		6.79	1,123.20	17.32	1.96	-106.00	9.39	
12:03	2.2		6.70	1,117.20	16.82	1.13	-107.30	25.53	
12:06	2.7		6.66	1,114.00	16.81	0.80	-108.50	73.31	
12:09	3.1		6.65	1,119.50	16.86	0.61	-115.30	52.46	
12:12	3.6		6.64	1,119.00	16.96	0.52	-117.50	49.53	
12:15	4.0		6.62	1,117.60	17.28	0.48	-117.80	47.82	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/3/2024 12:15

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.62 pH — 1,117.60 Spec. Cond. — 17.28 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 28.58 feet below TOC — Drawdown: 4.73 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/3/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G225
Project Location:	Netwon, IL	**Sample ID:**	053
W.O. Number (s):	24091272	**Date (s):**	10/7/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 70 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/7/2024 12:45

Static Water Level: 11.94 feet below TOC

Total Depth: 24.70 feet below TOC

Water Column: 12.76 feet

Purging Activities

Purged By: JC Purge Date: 10/7/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 12.76 ft. x 12.76 = 0.28 L x 3 Vol. = 0.84 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:47	0.0	182	purge start time						
12:54	1.3	↓	6.89	1,018.40	19.40	3.29	44.20	3.15	
12:57	1.8		6.89	1,004.40	19.58	4.05	46.40	3.76	
13:00	2.4		6.88	1,044.80	19.78	4.47	46.40	8.86	
13:03	2.9		6.89	1,028.50	19.80	4.80	43.80	10.19	
13:06	3.5		6.88	1,036.70	19.73	4.93	43.00	9.04	
13:09	4.0		6.89	1,047.20	19.87	5.02	40.50	7.60	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/7/2024 13:09

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.89 pH 1,047.20 Spec. Cond. 19.87 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 12.84 feet below TOC Drawdown: 0.90 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp **Date:** 10/7/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G230
Project Location:	Netwon, IL	**Sample ID:**	054
W.O. Number (s):	24091272	**Date (s):**	10/3/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 53 °F Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/3/2024 8:40

Static Water Level: 48.47 feet below TOC

Total Depth: 81.03 feet below TOC

Water Column: 32.56 feet

Purging Activities

Purged By: JC Purge Date: 10/3/2024

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 32.56 ft. x 32.56 = 0.72 L x 3 Vol. = 2.16 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
8:41	0.0	174	purge start time						
8:49	1.4	↓	7.05	1,195.10	14.96	1.66	-67.10	36.70	
8:52	1.9		7.03	1,230.90	14.87	0.96	-94.40	15.33	
8:55	2.4		7.04	1,211.10	14.85	0.70	-106.80	22.79	
8:58	3.0		7.05	1,185.50	14.80	0.56	-115.60	32.41	
9:01	3.5		7.06	1,157.60	14.75	0.48	-122.00	33.16	
9:04	4.0		7.07	1,129.90	14.66	0.43	-126.50	36.72	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/3/2024 9:04

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 7.07 pH 1,129.90 Spec. Cond. 14.66 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 48.68 feet below TOC Drawdown: 0.21 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp **Date:** 10/3/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G231
Project Location:	Netwon, IL	**Sample ID:**	055
W.O. Number (s):	24091272	**Date (s):**	10/8/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.

Name: Tracy Carroll — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/8/2024 10:04

Static Water Level: 47.91 feet below TOC

Total Depth: 79.76 feet below TOC

Water Column: 31.85 feet

Purging Activities

Purged By: BG — Purge Date: 10/8/2024

Purge Method: Submersible Pump — Well Diameter: 2"

Purge Volume Calculation (L): 31.85 ft. x 31.85 = 0.7 L x 3 Vol. = 2.1 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 14.00 L

Physical appearance of purge water: Cloudy — Odor: None — Color: Gray

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:04	0.0	333	purge start time						
10:19	5.0	↓	7.26	1,192.10	15.88	0.46	-142.80	1704.37	
10:22	6.0		7.25	1,143.20	15.81	0.27	-153.30	1356.19	
10:25	7.0		7.26	1,129.70	15.74	0.22	-157.30	1188.05	
10:28	8.0		7.26	1,119.30	15.69	0.20	-159.50	1149.61	
10:31	9.0		7.26	1,111.10	15.71	0.18	-160.90	1141.96	
10:34	10.0		7.26	1,102.60	15.71	0.17	-161.60	941.01	
10:37	11.0		7.25	1,092.80	15.75	0.17	-162.00	698.13	
10:40	12.0		7.25	1,082.80	15.74	0.17	-162.40	491.68	
10:43	13.0		7.24	1,080.50	15.74	0.16	-162.60	449.46	
10:46	14.0		7.23	1,080.90	16.52	0.22	-157.60	340.66	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/8/2024 10:46

Sample Method: Low Flow — Sample Equipment: Submersible Pump

Sample Parameters: 7.23 pH — 1,080.90 Spec. Cond. — 16.52 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 47.91 feet below TOC — Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868
- Pulled pump. Check ball keeps getting stuck

Form Completed By: Tracy Carroll — **Date:** 10/8/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G232
Project Location:	Netwon, IL	**Sample ID:**	056
W.O. Number (s):	24091272	**Date (s):**	10/3/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 58 °F Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/3/2024 9:17

Static Water Level: 46.24 feet below TOC

Total Depth: 77.66 feet below TOC

Water Column: 31.42 feet

Purging Activities

Purged By: JC Purge Date: 10/3/2024

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 31.42 ft. x 31.42 = 0.69 L x 3 Vol. = 2.07 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:17	0.0	222	purge start time						
9:23	1.3	↓	7.18	1,180.60	14.99	1.46	-88.00	38.69	
9:26	2.0		7.10	1,203.30	14.96	0.80	-105.00	30.57	
9:29	2.7		7.11	1,098.20	14.97	0.57	-112.90	34.53	
9:32	3.3		7.12	1,027.30	14.96	0.47	-117.90	41.45	
9:35	4.0		7.12	992.30	15.01	0.41	-121.40	46.86	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/3/2024 9:35

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 7.12 pH 992.30 Spec. Cond. 15.01 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 46.29 feet below TOC Drawdown: 0.05 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp **Date:** 10/3/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G233
Project Location:	Netwon, IL	**Sample ID:**	057
W.O. Number (s):	24091272	**Date (s):**	10/3/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/3/2024 9:39

Static Water Level: 47.61 feet below TOC

Total Depth: 76.24 feet below TOC

Water Column: 28.63 feet

Purging Activities

Purged By: JC Purge Date: 10/3/2024

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 28.63 ft. x 28.63 = 0.63 L x 3 Vol. = 1.89 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:39	0.0	235	purge start time						
9:44	1.2	↓	7.02	1,272.10	13.96	1.88	-107.70	19.41	
9:47	1.9		7.00	1,333.70	13.81	1.41	-116.90	18.32	
9:50	2.6		7.00	1,297.70	13.72	1.26	-120.70	18.64	
9:53	3.3		7.02	1,232.00	13.73	1.21	-122.80	24.29	
9:56	4.0		7.03	1,161.90	13.73	1.18	-124.30	10.88	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/3/2024 9:56

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 7.03 pH 1,161.90 Spec. Cond. 13.73 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 47.89 feet below TOC Drawdown: 0.28 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp **Date:** 10/3/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G234
Project Location:	Netwon, IL	**Sample ID:**	058
W.O. Number (s):	24091272	**Date (s):**	10/3/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/3/2024 9:58

Static Water Level: 43.70 feet below TOC

Total Depth: 73.81 feet below TOC

Water Column: 30.11 feet

Purging Activities

Purged By: JC Purge Date: 10/3/2024

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 30.11 ft. x 30.11 = 0.66 L x 3 Vol. = 1.98 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:59	0.0	176	purge start time						
10:04	0.9	↓	7.09	1,111.80	15.41	1.39	-100.30	20.48	
10:07	1.5		7.04	1,188.30	15.70	0.80	-109.60	18.55	
10:10	2.0		7.04	1,167.30	15.72	0.63	-114.20	23.16	
10:13	2.5		7.05	1,139.40	15.80	0.54	-117.60	30.48	
10:16	3.0		7.05	1,118.10	15.84	0.48	-120.30	38.96	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/3/2024 10:16

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 7.05 pH 1,118.10 Spec. Cond. 15.84 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 43.82 feet below TOC Drawdown: 0.12 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp **Date:** 10/3/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	L1R
Project Location:	Netwon, IL	**Sample ID:**	059
W.O. Number (s):	24091272	**Date (s):**	-

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.

Name: Affiliation:

Weather Conditions

Temp: 66 °F Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/8/2024 11:46

Static Water Level: 54.41 feet below TOC

Total Depth: - feet below TOC

Water Column: feet

Purging Activities

Purged By: - Purge Date: -

Purge Method: Direct Grab Well Diameter:

Purge Volume Calculation (L): **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): - L

Physical appearance of purge water: Cloudy Odor: Moderate Color: Gray

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
-	0.0		purge start time						
11:47	0.3		10.60	45,812.70	20.80	4.46	-268.30	1184.79	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/8/2024 11:47

Sample Method: Direct Sample Sample Equipment: Direct Grab

Sample Parameters: 10.60 pH 45,812.70 Spec. Cond. 20.80 Temp

Field Filtered: No Filter Type:

Water Level: - feet below TOC Drawdown: #VALUE! feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868
- Preservitive rinised out as they are direct grabs. Fliter in Lab

Form Completed By: Tracy Carroll **Date:** 10/8/2024

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: L201
Sample ID: 060
Date (s): 10/1/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 73 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 13:50
Static Water Level: 36.66 feet below TOC
Total Depth: - feet below TOC
Water Column: - feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): #VALUE! *Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Tracy Carroll **Date:** 10/1/2024

Field Data Sheet

Project Name: NEW- 24Q4 **Monitoring Point:** L202
Project Location: Netwon, IL **Sample ID:** 061
W.O. Number (s): 24091272 **Date (s):** 10/1/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 74 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad: Good
Casing: Good
Protective Casing: Good
Reference Mark/Identification: Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 13:57
Static Water Level: 45.15 feet below TOC
Total Depth: - feet below TOC
Water Column: - feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): #VALUE! *Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Tracy Carroll **Date:** 10/1/2024

Field Data Sheet

Project Name: NEW- 24Q4 **Monitoring Point:** L203
Project Location: Netwon, IL **Sample ID:** 062
W.O. Number (s): 24091272 **Date (s):** 10/1/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 74 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 14:03
Static Water Level: 45.76 feet below TOC
Total Depth: - feet below TOC
Water Column: - feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): #VALUE! **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Tracy Carroll **Date:** 10/1/2024

Field Data Sheet

Project Name: NEW- 24Q4 **Monitoring Point:** L204
Project Location: Netwon, IL **Sample ID:** 063
W.O. Number (s): 24091272 **Date (s):** 10/1/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 74 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 14:16
Static Water Level: 49.99 feet below TOC
Total Depth: - feet below TOC
Water Column: - feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): #VALUE! **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Tracy Carroll **Date:** 10/1/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	L205
Project Location:	Netwon, IL	**Sample ID:**	064
W.O. Number (s):	24091272	**Date (s):**	

Field Team Members

Name: No member found on Data Tab — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 74 °F — Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 14:10

Static Water Level: 39.67 feet below TOC

Total Depth: - feet below TOC

Water Column: #VALUE! feet

Purging Activities

Purged By: — Purge Date:

Purge Method: — Well Diameter:

Purge Volume Calculation (L): #VALUE! **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): L

Physical appearance of purge water: — Odor: — Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						
14:10	0.0	↓							

Sampling Activities

Sampled By: — Sample Date/Time:

Sample Method: — Sample Equipment:

Sample Parameters: pH — Spec. Cond. — Temp

Field Filtered: — Filter Type:

Water Level: feet below TOC — Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Tracy Carroll — **Date:** 10/1/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	R217D
Project Location:	Netwon, IL	**Sample ID:**	065
W.O. Number (s):	24091272	**Date (s):**	10/3/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 65 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/3/2024 10:21

Static Water Level: 19.38 feet below TOC

Total Depth: 67.80 feet below TOC

Water Column: 48.42 feet

Purging Activities

Purged By: JC — Purge Date: 10/3/2024

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 48.42 ft. x 48.42 = 1.07 L x 3 Vol. = 3.21 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:22	0.0	128	purge start time						
10:37	1.9	↓	6.50	2,666.10	18.83	5.19	28.20	14.02	
10:40	2.3		6.39	2,655.40	18.67	4.22	39.00	10.94	
10:43	2.7		6.30	2,647.80	18.64	3.55	47.20	9.74	
10:46	3.1		6.26	2,647.00	18.77	3.13	47.80	8.59	
10:49	3.5		6.25	2,647.10	18.87	2.66	38.50	9.09	
10:52	3.9		6.26	2,648.80	19.07	2.30	28.10	10.21	
10:55	4.3		6.28	2,657.40	19.24	2.17	23.40	10.33	
10:58	4.6		6.31	2,666.00	19.29	2.19	21.60	13.61	
11:01	5.0		6.33	2,672.00	19.44	2.23	18.30	14.06	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/3/2024 11:01

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.33 pH — 2,672.00 Spec. Cond. — 19.44 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 19.61 feet below TOC — Drawdown: 0.23 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/3/2024

Field Data Sheet

Project Name: NEW- 24Q4 | **Monitoring Point:** R219
Project Location: Netwon, IL | **Sample ID:** 066
W.O. Number (s): 24091272 | **Date (s):** 10/8/2024

Field Team Members

Name: Justin Colp | Affiliation: TekLab, Inc.
Name: Danny Crump | Affiliation: TekLab, Inc.

Weather Conditions

Temp: 63 °F | Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy | Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/8/2024 10:54
Static Water Level: 21.75 feet below TOC
Total Depth: 64.27 feet below TOC
Water Column: 42.52 feet

Purging Activities

Purged By: JC | Purge Date: 10/8/2024
Purge Method: Submersible Pump | Well Diameter: 2"
Purge Volume Calculation (L): 42.52 ft. x 42.52 = 0.94 L x 3 Vol. = 2.82 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Slightly cloudy | Odor: None | Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:56	0.0	190	purge start time						
11:02	1.2	↓	7.17	1,407.50	17.01	1.67	-21.90	55.05	
11:05	1.7		7.15	1,413.80	18.03	1.27	-18.30	68.43	
11:08	2.3		7.15	1,416.50	17.88	1.01	-16.20	82.51	
11:11	2.9		7.14	1,408.90	17.76	0.85	-28.80	90.18	
11:14	3.5		7.14	1,407.20	18.34	0.79	-49.80	91.47	
11:17	4.0		7.13	1,408.50	19.11	0.77	-64.00	95.03	

Sampling Activities

Sampled By: JC | Sample Date/Time: 10/8/2024 11:17
Sample Method: Low Flow | Sample Equipment: Submersible Pump
Sample Parameters: 7.13 pH | 1,408.50 Spec. Cond. | 19.11 Temp
Field Filtered: Yes | Filter Type: In line disposable
Water Level: 23.00 feet below TOC | Drawdown: 1.25 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp | **Date:** 10/8/2024

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: S101
Sample ID: 067
Date (s): 10/7/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 63 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured:
Static Water Level: - feet below TOC
Total Depth: - feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: Purge Date:
Purge Method: Direct Grab Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						
13:05	0.0	↓	8.44	463.40	27.37	9.54	38.30	7.82	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/7/2024 13:05
Sample Method: Direct Sample Sample Equipment: Direct Grab
Sample Parameters: 8.44 pH 463.40 Spec. Cond. 27.37 Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868
- Preservitive rinised out as they are direct grabs. Filter in Lab

Form Completed By: Tracy Carroll **Date:** 10/7/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	S102
Project Location:	Netwon, IL	**Sample ID:**	068
W.O. Number (s):	24091272	**Date (s):**	10/7/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 63 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad

Casing

Protective Casing

Reference Mark/Identification

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured:

Static Water Level: - feet below TOC

Total Depth: - feet below TOC

Water Column: #VALUE! feet

Purging Activities

Purged By: Purge Date:

Purge Method: Direct Grab Well Diameter:

Purge Volume Calculation (L):

Actual Purge Volume (L): L

Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						
13:19	0.0	↓	7.80	462.00	28.93	10.03	84.40	7.30	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/7/2024 13:19

Sample Method: Direct Sample Sample Equipment: Direct Grab

Sample Parameters: 7.80 pH 462.00 Spec. Cond. 28.93 Temp

Field Filtered: Filter Type:

Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868
- Preservitive rinised out as they are direct grabs. Filter in Lab

Form Completed By: Tracy Carroll **Date:** 10/7/2024

Field Data Sheet

Project Name: NEW- 24Q4 **Monitoring Point:** SG02
Project Location: Netwon, IL **Sample ID:** 069
W.O. Number (s): 24091272 **Date (s):** 10/1/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 68 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 9:47
Static Water Level: 3.14 feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Brett Gillihan **Date:** 10/1/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	T101
Project Location:	Netwon, IL	**Sample ID:**	070
W.O. Number (s):	24091272	**Date (s):**	10/3/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 54 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/3/2024 8:54

Static Water Level: 11.86 feet below TOC

Total Depth: 21.83 feet below TOC

Water Column: 9.97 feet

Purging Activities

Purged By: BG Purge Date: 10/3/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 9.97 ft. x 9.97 = 0.22 L x 3 Vol. = 0.66 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 2.50 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
8:58	0.0	100	purge start time						
9:08	1.0	↓	6.75	568.10	15.89	2.99	92.50	23.91	
9:11	1.3		6.75	556.00	16.03	2.79	92.50	19.55	
9:14	1.6		6.74	548.30	16.02	2.75	93.50	16.66	
9:17	1.9		6.74	543.90	16.06	2.68	95.00	15.55	
9:20	2.2		6.73	540.60	16.11	2.59	96.10	16.25	
9:23	2.5		6.72	537.80	16.22	2.52	97.50	18.85	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/3/2024 9:23

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.72 pH 537.80 Spec. Cond. 16.22 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 14.42 feet below TOC Drawdown: 2.56 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan **Date:** 10/3/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	T102
Project Location:	Netwon, IL	**Sample ID:**	071
W.O. Number (s):	24091272	**Date (s):**	10/3/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☐ S ☐ E ☑ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/3/2024 9:45

Static Water Level: 13.86 feet below TOC

Total Depth: 21.49 feet below TOC

Water Column: 7.63 feet

Purging Activities

Purged By: BG Purge Date: 10/3/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 7.63 ft. x 7.63 = 0.17 L x 3 Vol. = 0.51 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.50 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:44	0.0	109	purge start time						
9:55	1.2	↓	6.90	1,280.10	18.27	2.16	100.80	45.94	
9:58	1.5		6.89	1,216.70	18.34	2.05	98.10	37.99	
10:01	1.9		6.89	1,079.20	18.44	1.99	95.80	43.32	
10:04	2.2		6.88	920.30	18.60	1.99	94.20	29.92	
10:07	2.5		6.86	822.80	18.81	1.96	92.00	33.64	
10:10	2.8		6.84	729.20	18.68	1.91	90.90	25.50	
10:13	3.2		6.84	688.80	18.58	1.87	90.40	21.64	
10:16	3.5		6.84	693.80	18.87	1.84	89.60	21.41	

Sampling Activities

Sampled By: TC Sample Date/Time: 10/3/2024 10:16

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.84 pH 693.80 Spec. Cond. 18.87 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 15.56 feet below TOC Drawdown: 1.70 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan **Date:** 10/3/2024

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: XPW01
Sample ID: 072
Date (s):

Field Team Members

Name: _____ Affiliation: _____
Name: _____ Affiliation: _____

Weather Conditions

Temp: _____ °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: _____
Static Water Level: _____ feet below TOC
Total Depth: _____ feet below TOC
Water Column: _____ feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: _____ Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): _____ L
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: _____ Sample Date/Time: _____
Sample Method: _____ Sample Equipment: _____
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Well removed from network prior to 4Q

Form Completed By: _____ **Date:** _____

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: XPW02
Sample ID: 073
Date (s):

Field Team Members

Name: _____ Affiliation: _____
Name: _____ Affiliation: _____

Weather Conditions

Temp: _____ °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: _____
Static Water Level: _____ feet below TOC
Total Depth: _____ feet below TOC
Water Column: _____ feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: _____ Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): _____ L
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: _____ Sample Date/Time: _____
Sample Method: _____ Sample Equipment: _____
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Well removed from network prior to 4Q

Form Completed By: _____ **Date:** _____

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: XPW03
Sample ID: 074
Date (s):

Field Team Members

Name: _____ Affiliation: _____
Name: _____ Affiliation: _____

Weather Conditions

Temp: _____ °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: _____
Static Water Level: _____ feet below TOC
Total Depth: _____ feet below TOC
Water Column: _____ feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: _____ Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): _____ L
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: _____ Sample Date/Time: _____
Sample Method: _____ Sample Equipment: _____
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Well removed from network prior to 4Q

Form Completed By: _____ **Date:** _____

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: XPW04
Sample ID: 075
Date (s):

Field Team Members

Name: _____ Affiliation: _____
Name: _____ Affiliation: _____

Weather Conditions

Temp: _____ °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: _____
Static Water Level: _____ feet below TOC
Total Depth: _____ feet below TOC
Water Column: _____ feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: _____ Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): _____ L
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: _____ Sample Date/Time: _____
Sample Method: _____ Sample Equipment: _____
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Well removed from network prior to 4Q

Form Completed By: _____ **Date:** _____

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: XSG01
Sample ID: 076
Date (s): 10/1/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 68 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/1/2024 9:30
Static Water Level: 6.49 feet below TOC
Total Depth: - feet below TOC
Water Column: - feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						
9:30	0.0	↓							

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Depth to water only, no stablization data

Form Completed By: Brett Gillihan **Date:** 10/1/2024

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: Field Blank
Sample ID: 077
Date (s):

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured:
Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Direct Grab Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time: 10/8/2024 12:06
Sample Method: Sample Equipment: Direct Grab
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- QA/QC Sample

Form Completed By: Justin Colp **Date:** 10/8/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	A213 Duplicate
Project Location:	Netwon, IL	**Sample ID:**	078
W.O. Number (s):	24091272	**Date (s):**	10/3/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/3/2024 11:08

Static Water Level: 18.60 feet below TOC

Total Depth: 61.00 feet below TOC

Water Column: 42.40 feet

Purging Activities

Purged By: JC — Purge Date: 10/3/2024

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 42.4 ft. x 42.4 = 0.93 L x 3 Vol. = 2.79 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:08	0.0	152	purge start time						
11:17	1.4	↓	6.73	1,979.10	16.47	2.05	36.60	2.65	
11:20	1.9		6.74	1,976.70	16.27	1.44	38.30	2.47	
11:23	2.3		6.80	1,979.80	16.20	2.35	9.90	5.70	
11:26	2.8		6.78	1,979.60	16.14	1.73	-33.90	18.64	
11:29	3.2		6.77	1,972.20	16.20	1.04	-48.00	29.95	
11:32	3.7		6.76	1,964.10	16.24	0.70	-54.90	16.01	
11:35	4.1		6.75	1,960.30	16.17	0.53	-59.00	30.70	
11:38	4.6		6.75	1,953.60	16.11	0.43	-61.60	14.15	
11:41	5.0		6.74	1,949.00	16.12	0.39	-63.40	19.39	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/3/2024 11:41

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.74 pH — 1,949.00 Spec. Cond. — 16.12 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 26.30 feet below TOC — Drawdown: 7.70 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/3/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW02 Duplicate
Project Location:	Netwon, IL	**Sample ID:**	079
W.O. Number (s):	24091272	**Date (s):**	10/2/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/2/2024 10:22

Static Water Level: 7.12 feet below TOC

Total Depth: 23.70 feet below TOC

Water Column: 16.58 feet

Purging Activities

Purged By: JC — Purge Date: 10/2/2024

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 16.58 ft. x 16.58 = 0.36 L x 3 Vol. = 1.08 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:22	0.0	222	purge start time						
10:28	1.3	↓	6.18	5,033.30	17.79	3.59	7.60	75.04	
10:31	2.0		6.09	5,020.80	17.96	2.96	18.60	72.64	
10:34	2.7		6.10	4,996.20	18.02	2.55	2.80	69.71	
10:37	3.3		6.04	4,988.10	18.28	2.29	7.40	63.50	
10:40	4.0		6.08	4,964.20	18.41	2.08	16.80	59.06	
10:43	4.7		6.13	4,917.60	18.42	1.88	20.90	56.62	
10:46	5.3		6.09	4,862.20	18.54	1.75	20.40	58.85	
10:49	6.0		6.11	4,815.80	18.52	1.62	19.40	65.30	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/2/2024 10:49

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.11 pH — 4,815.80 Spec. Cond. — 18.52 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 11.31 feet below TOC — Drawdown: 4.19 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/2/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	G104 Duplicate
Project Location:	Netwon, IL	**Sample ID:**	080
W.O. Number (s):	24091272	**Date (s):**	10/7/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/7/2024 9:56

Static Water Level: 9.46 feet below TOC

Total Depth: 42.96 feet below TOC

Water Column: 33.50 feet

Purging Activities

Purged By: JC — Purge Date: 10/7/2024

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 33.5 ft. x 33.5 = 0.74 L x 3 Vol. = 2.22 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:57	0.0	174	purge start time						
10:05	1.4	↓	6.76	1,124.60	16.75	2.93	103.70	27.89	
10:08	1.9		6.72	1,118.80	17.08	2.22	99.70	45.20	
10:11	2.4		6.70	1,117.60	17.33	1.95	96.10	61.67	
10:14	3.0		6.70	1,117.40	17.50	1.83	92.70	84.59	
10:17	3.5		6.69	1,117.20	17.83	1.93	90.00	31.15	
10:20	4.0		6.71	1,119.30	17.84	1.94	87.40	58.17	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/7/2024 10:20

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.71 pH — 1,119.30 Spec. Cond. — 17.84 Temp

Field Filtered: Yes — Filter Type: In line disposable

Water Level: 10.45 feet below TOC — Drawdown: 0.99 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45985

Form Completed By: Justin Colp — **Date:** 10/7/2024

Field Data Sheet

Project Name:	NEW- 24Q4	**Monitoring Point:**	APW19S Duplicate
Project Location:	Netwon, IL	**Sample ID:**	081
W.O. Number (s):	24091272	**Date (s):**	10/7/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/7/2024 10:05

Static Water Level: 8.63 feet below TOC

Total Depth: 20.34 feet below TOC

Water Column: 11.71 feet

Purging Activities

Purged By: BG Purge Date: 10/7/2024

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 11.71 ft. x 11.71 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 2.50 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:16	0.0	132	purge start time						
10:23	0.9	↓	6.40	5,238.30	18.93	1.64	-96.30	16.93	
10:26	1.3		6.40	5,187.70	19.08	1.96	-88.30	10.59	
10:29	1.7		6.40	5,153.50	19.00	2.05	-82.60	9.25	
10:32	2.1		6.40	5,131.40	19.09	2.04	-76.60	7.85	
10:35	2.5		6.39	5,119.00	19.15	2.02	-72.90	8.04	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/7/2024 10:35

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.39 pH 5,119.00 Spec. Cond. 19.15 Temp

Field Filtered: Yes Filter Type: In line disposable

Water Level: 12.08 feet below TOC Drawdown: 3.45 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan **Date:** 10/7/2024

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: Equipment Blank 1
Sample ID: 082
Date (s):

Field Team Members

Name: _____ Affiliation: _____
Name: _____ Affiliation: _____

Weather Conditions

Temp: _____ °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: _____
Static Water Level: _____ feet below TOC
Total Depth: - feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: _____ Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): L
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						
	0.0	↓							

Sampling Activities

Sampled By: _____ Sample Date/Time: _____
Sample Method: _____ Sample Equipment: _____
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Not used

Form Completed By: _____ **Date:** _____

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: Equipment Blank 2
Sample ID: 083
Date (s): 10/8/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured:
Static Water Level: feet below TOC
Total Depth: - feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time: 10/8/2024 12:50
Sample Method: Direct Sample Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- QA/QC Sample

Form Completed By: Justin Colp **Date:** 10/8/2024

Field Data Sheet

Project Name: NEW- 24Q4
Project Location: Netwon, IL
W.O. Number (s): 24091272
Monitoring Point: Equipment Blank 3
Sample ID: 084
Date (s):

Field Team Members

Name: _____ Affiliation: _____
Name: _____ Affiliation: _____

Weather Conditions

Temp: _____ °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: _____
Static Water Level: _____ feet below TOC
Total Depth: - _____ feet below TOC
Water Column: _____ feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: _____ Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): _____ L
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: _____ Sample Date/Time: _____
Sample Method: _____ Sample Equipment: _____
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- Not used

Form Completed By: _____ **Date:** _____

Site Samping Event: NEW- 24Q4
LIMS Workorder: 24091272
Technician(s): JC, DC, TC, BG

Field Calibration Log(s)
Newton- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45985 Technician(s): justin colp Date: 10/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/1/24 9:36
7.0 Buffer	wc240913b	6.99	10/1/24 9:32
10.0 Buffer	wc240625b	9.98	10/1/24 9:40
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/1/24 9:46

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.48	10/1/24 9:46
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	10/1/24 9:48	22.1	7.00	1,411	0.48		
CCV-M-1-JC	CCV	10/1/24 12:38	22.6	7.02	1,416	0.51		
CCV-1-JC	CCV	10/1/24 15:01	22.8	7.02	1,420	0.54		

Comments:

Field Meter ID: Pine 45985 Technician(s): justin colp Date: 10/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.01	10/2/24 8:25
7.0 Buffer	wc240913b	7.01	10/2/24 8:19
10.0 Buffer	wc240625b	10.02	10/2/24 8:30
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	10029	1410	10/2/24 8:36

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.51	10/2/24 8:36
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-JC	LCS	10/2/24 8:41	14.4	7.01	1,411	0.51		
CCV-2-JC	CCV	10/2/24 12:39	19.6	7.04	1,428	0.98		

Comments:

Site Samping Event: NEW- 24Q4
LIMS Workorder: 24091272
Technician(s): JC, DC, TC, BG

Field Calibration Log(s)
Newton- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 43918 Technician(s): justin colp Date: 10/3/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/3/24 8:09
7.0 Buffer	wc240913b	7.00	10/3/24 8:02
10.0 Buffer	wc240625b	10.00	10/3/24 8:14
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	10029	1412	10/3/24 8:21

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.41	10/3/24 8:21
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-JC	LCS	10/3/24 8:23	15.2	7.02	1,411	0.41		
CCV-M-3-JC	CCV	10/3/24 11:22	17.9	7.02	1,418	0.56		
CCV-3-JC	CCV	10/3/24 13:35	21.4	7.06	1,419	0.47		

Comments:

Field Meter ID: Pine 43918 Technician(s): justin colp Date: 10/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/7/24 9:27
7.0 Buffer	wc240913b	7.00	10/7/24 9:23
10.0 Buffer	wc240625b	10.00	10/7/24 9:32
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	10029	1412	10/7/24 9:46

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.12	10/7/24 9:46
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4-JC	LCS	10/7/24 9:51	17	7.02	1,410	0.12		
CCV-4-JC	CCV	10/7/24 14:11	22.1	7.05	1,428	0.13		

Comments:

Site Samping Event: NEW- 24Q4
LIMS Workorder: 24091272
Technician(s): JC, DC, TC, BG

Field Calibration Log(s)
Newton- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 43918 Technician(s): justin colp Date: 10/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/8/24 8:49
7.0 Buffer	wc240913b	7.00	10/8/24 8:46
10.0 Buffer	wc240625b	10.00	10/8/24 8:53
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	10029	1412	10/8/24 8:58

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.14	10/8/24 8:58
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5-JC	LCS	10/8/24 9:00	16.8	7.02	1,411	0.13		
CCV-5-JC	CCV	10/8/24 12:20	20.9	7.04	1,421	0.22		

Comments:

Site Samping Event: NEW- 24Q4
LIMS Workorder: 24091272
Technician(s): JC, DC, TC, BG

Field Calibration Log(s)
Newton- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 46868 Technician(s): Tracy Carroll Date: 10/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	10/2/24 8:54
7.0 Buffer	WC240913B	7.00	10/2/24 8:51
10.0 Buffer	WC240625B	10.00	10/2/24 8:57
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/2/24 9:08

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1_TC	LCS	10/2/24 9:14	14.9	7.08	1,410	0.04		
CCV-1-TC	CCV	10/2/24 13:51	20.3	7.10	1,342	1.2		

Comments:

Field Meter ID: Pine 46868 Technician(s): Tracy Carroll Date: 10/3/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	10/3/24 8:43
7.0 Buffer	WC240913B	7.00	10/3/24 8:38
10.0 Buffer	WC240625B	10.00	10/3/24 8:47
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/3/24 8:52

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-TC	LCS	10/3/24 8:58	16.2	7.10	1,413	1.21		
CCV-2-TC	CCV	10/3/24 13:34	19.4	7.09	1,420	1.99		

Comments:

Site Samping Event: NEW- 24Q4
LIMS Workorder: 24091272
Technician(s): JC, DC, TC, BG

Field Calibration Log(s)
Newton- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 46868 Technician(s): Tracy Carroll Date: 10/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	10/7/24 10:07
7.0 Buffer	WC240913B	7.00	10/7/24 10:05
10.0 Buffer	WC240625B	9.99	10/7/24 10:09
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/7/24 10:11

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.01	10/7/24 10:05
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-TC	LCS	10/7/24 10:12	17.4	7.00	1,420	1.01		
CCV-3-TC	CCV	10/7/24 14:06	20.3	6.98	1,422	1.03		

Comments:

Field Meter ID: Pine 46868 Technician(s): Tracy Carroll Date: 10/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	10/8/24 9:33
7.0 Buffer	WC240913B	7.00	10/8/24 9:23
10.0 Buffer	WC240625B	10.00	10/8/24 9:52
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/8/24 9:54

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4-TC	LCS	10/8/24 9:57	16.8	7.08	1,413	0.56		
CCV-4-TC	CCV	10/8/24 12:55	17.5	7.10	1,423	1.5		

Comments:

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
797 Cromwell Park Dr.
Suite Q
Glen Burnie, MD 21061

Pine Environmental Services, Inc.

Instrument ID 43918
Description YSI Pro DSS
Calibrated 9/30/2024 12:11:47PM

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	96.6	100.0	0.00%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
MD COND 1.413 3GH1514	CA 1.413 COND (LOT# 4GB0749	GFS	31986	1.413 COND (LOT# 4GB0749		2/5/2025
MD ORP 240 4GE1370	MD ORP 240 4GE1370	AquaPhoenix Scientific	32001	4GE1370	6/24/2024	2/28/2025
MD PH10 2GI302	MD PH10 2GI302	AquaPhoenix Scientific	32034	2GI302		9/30/2024
MD PH4 3GI0465	MD PH4 3GI0465	AquaPhoenix Scientific	32017	3GI0465		9/30/2025
MD PH7 2GI0389	MD PH7 2GI0389	AquaPhoenix Scientific	32025	3GI0389	12/20/2024	9/30/2025
MD TURB 0 NTU 24007124	MD TURB 0 NTU 24007124	AMCOCLEAR	8483	24007124	2/1/2024	12/31/2024

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chuck Wallace

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
797 Cromwell Park Dr.
Suite Q
Glen Burnie, MD 21061

Pine Environmental Services, Inc.

Instrument ID 43918
Description YSI Pro DSS
Calibrated 9/30/2024 12:11:47PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 18K101874
Location Maryland
Department

State Certified
Status Pass
Temp °C 23
Humidity % 69

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	6.90	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.94	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.03	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	FNU	0.00	FNU	0.70	0.00	0.00%	Pass
124.00 / 124.00	FNU	124.00	FNU	130.54	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.323	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	247.60	240.00	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45985
Description YSI Pro DSS
Calibrated 9/30/2024 10:37:02AM

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	103.2	99.8	-0.20%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653		5/25/2025
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45985
Description YSI Pro DSS
Calibrated 9/30/2024 10:37:02AM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101797
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.20	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.17	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.18	10.05	0.50%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.07	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	64.07	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.481	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	216.0	240.0	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

Pine Environmental Services, Inc.

Instrument ID 46868
Description YSI Pro DSS Sonde
Calibrated 9/26/2024 8:31:10AM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	99.10	100.30	0.30%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
NJ COND 1413: 4GC1194	1413 conductivity standard	AquaPhoenix Scientific	CS1413	4GC1194	5/20/2024	3/31/2025
NJ ORP 240MV: 4GD1716	ORP solution 240mv	AquaPhoenix Scientific	ORP 240mV	4GD1716	5/30/2024	1/31/2025
NJ PH 10: 4GC0600	BUFFER, PH10 BLUE	AquaPhoenix Scientific	PH10	4GC0600	5/23/2024	3/31/2026
NJ PH 4: 4GC0528	BUFFER, PH4 RED	AquaPhoenix Scientific	BU5004	4GC0528	5/23/2024	3/31/2026
NJ PH 7: 4GC0526	BUFFER, PH7 YELLOW	AquaPhoenix Scientific	BU5007	4GC0526	5/20/2024	3/31/2026
NJ TURB 0.0 NTU: 24010121	0.0 NTU STANDARD	GFS	8483	24010121	5/15/2024	3/31/2025
NJ TURB 124 NTU LOT: 24011758	124 NTU STANDARD	GFS	8172	24011758	5/24/2024	5/31/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated James Stelle

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Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

Pine Environmental Services LLC
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

Pine Environmental Services, Inc.

Instrument ID 46868
Description YSI Pro DSS Sonde
Calibrated 9/26/2024 8:31:10AM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19K103392
Location New Jersey
Department

State Certified
Status Pass
Temp °C 22.5
Humidity % 62

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.11	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.09	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.84	10.03	0.30%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	4.20	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	117.70	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.453	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

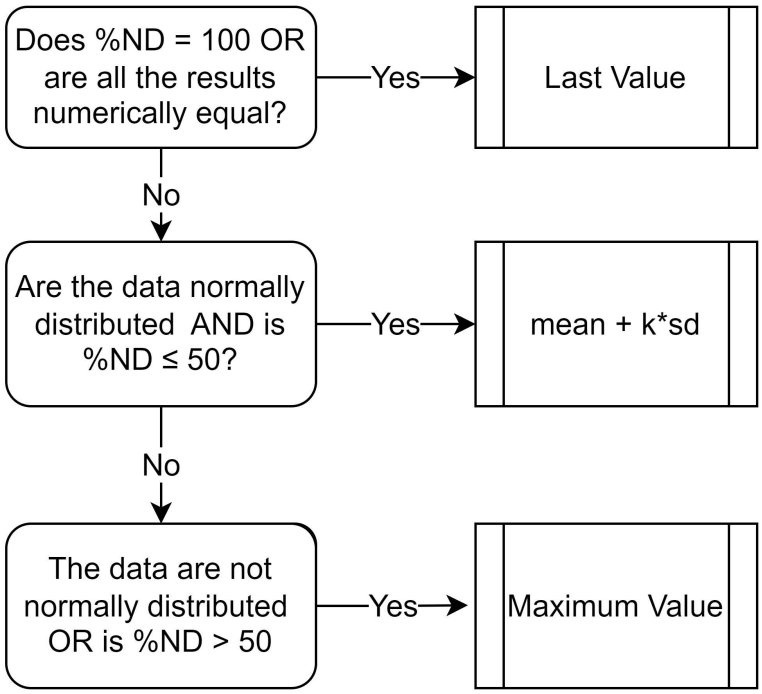
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	235.80	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

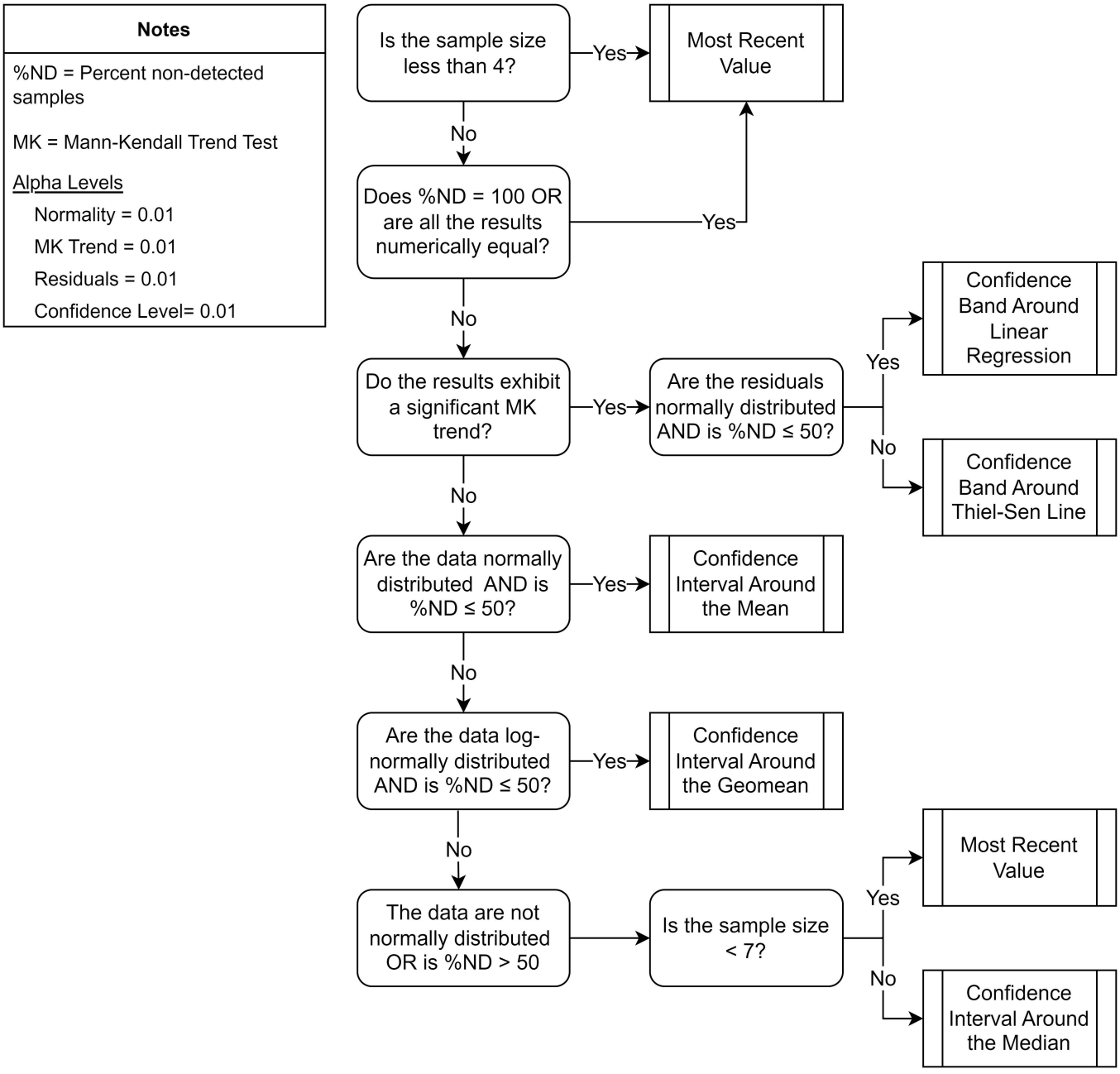
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

APPENDIX B
STATISTICAL METHODOLOGY FOR DETERMINATION OF BACKGROUND VALUES

Notes
%ND = Percent non-detected samples sd = standard deviation k = kappa for tolerance limit (95% confidence/95% coverage)



APPENDIX C
STATISTICAL METHODOLGY FOR DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS


Notes
%ND = Percent non-detected samples
MK = Mann-Kendall Trend Test
Alpha Levels
Normality = 0.01
MK Trend = 0.01
Residuals = 0.01
Confidence Level= 0.01
Is the sample size less than 4?
Yes
Most Recent Value
No
Does %ND = 100 OR are all the results numerically equal?
Yes
No
Do the results exhibit a significant MK trend?
Yes
Are the residuals normally distributed AND is %ND ≤ 50?
Yes
Confidence Band Around Linear Regression
No
Confidence Band Around Thiel-Sen Line
No
Are the data normally distributed AND is %ND ≤ 50?
Yes
Confidence Interval Around the Mean
No
Are the data log-normally distributed AND is %ND ≤ 50?
Yes
Confidence Interval Around the Geomean
No
The data are not normally distributed OR is %ND > 50
Is the sample size < 7?
Yes
Most Recent Value
No
Confidence Interval Around the Median