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



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

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Prepared by Chase J. Christenson, PG

Checked by Lauren D. Cook
Approved by Eric J. Tlachac, PE

Ramboll

234 W. Florida Street

Fifth Floor

Milwaukee, WI 53204

USA

T 414-837-3607 F 414-837-3608

https://ramboll.com

Chase J. Christenson, PG Senior Project Hydrogeologist Eric J. Tlachac, PE Senior Managing Engineer

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#### **ACRONYMS AND ABBREVIATIONS**

35 I.A.C. Title 35 of the Illinois Administrative Code 40 C.F.R. Title 40 of the Code of Federal Regulations

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 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 <sup>1, 2, 3</sup>	Analytical Data Receipt Date <sup>4</sup>	SSL(s) Determination Date	SSL(s)	CMA Initiated
A2D <sup>5</sup>	July 24 – August 17, 2023	November 9, 2023	February 27, 2024 <sup>6</sup>	Lithium at APW02	NA
A2DR <sup>5</sup>	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

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<sup>&</sup>lt;sup>1</sup> The following background wells were sampled for each event: APW05, and APW06.

<sup>&</sup>lt;sup>2</sup> The following compliance wells were sampled for each event: APW02, APW03, APW04, APW05S, APW07, APW09, APW10, APW11, APW12, APW13, APW14, APW15, APW16, APW17, and APW18.

<sup>&</sup>lt;sup>3</sup> 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).

<sup>&</sup>lt;sup>4</sup> 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).

<sup>&</sup>lt;sup>5</sup> Laboratory reports and associated analytical data tables were included in the 2023 Annual Groundwater Monitoring and Corrective Action Report.

<sup>&</sup>lt;sup>6</sup> 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 <a href="https://www.ecfr.gov/current/title-40/chapter-I/subchapter-I/part-257/subpart-D#page-top">https://www.ecfr.gov/current/title-40/chapter-I/subchapter-I/part-257/subpart-D#page-top</a>

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

GROUNDWATER ELEVATION DATA
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NEWTON POWER PLANT

PRIMARY ASH POND

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	D	M <sup>7</sup>
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	D	M <sup>7</sup>
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	D	M7
APW05	Background	UA	09/01/2024	D	M7
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
	•			24.70	514.25
APW11	Compliance Compliance	UA UA	04/01/2024 05/01/2024	24.38	514.42
	•		05/01/2024	24.38	514.42
APW11	Compliance	UA			
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



GROUNDWATER ELEVATION DATA
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
NEWTON POWER PLANT

PRIMARY ASH POND

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	Γ	)M <sup>7</sup>
APW13	Compliance	UA	07/01/2024	33.18	504.98
APW13	Compliance	UA	08/01/2024	]	DM <sup>7</sup>
APW13	Compliance	UA	09/01/2024	[	DM <sup>7</sup>
APW13	Compliance	UA	10/01/2024	33.41	505.07
APW13	Compliance	UA	11/05/2024	[	DM <sup>7</sup>
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 <sup>7</sup>
APW15	Compliance	UA	10/01/2024	21.35	503.98
APW15	Compliance	UA	11/05/2024		DM <sup>7</sup>
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



GROUNDWATER ELEVATION DATA
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
NEWTON POWER PLANT

PRIMARY ASH POND

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	D	M <sub>1</sub>
APW17	Compliance	UA	03/01/2024	D	M <sub>1</sub>
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	D	M <sup>7</sup>
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



#### **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.

 $\mathsf{DM^2} = \mathsf{Depth}$  to water was not measured because water was above or below the staff gage markings.

 $\mathsf{DM^3} = \mathsf{Depth}$  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.

DM8 = 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

 $\mathsf{UD} = \mathsf{upper} \; \mathsf{drift}$ 

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2024 40 C.F.R. § 257 ANI
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well I D	HSU	Well Type	Date	Event I D	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	A2DD	Chloride, total	mg/L	46.0			
APW05	UA	Background	10/10/2023	A2DR	Chloride, total	mg/L	46.0			
APW05 APW05	UA UA	Background Background	01/16/2024	A3 A3R	Chloride, total  Chloride, total	mg/L mg/L	45.0 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	А3	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	А3	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		Total Dissolved Solids	mg/L	580			
APW05	UA	Background	07/02/2024	A3DD	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 A2DR	Boron, total Boron, total	mg/L	0.605			
APW06	UA UA	Background Background	01/23/2024		Boron, total  Boron, total	mg/L mg/L	0.0750			
APW06	UA		04/09/2024		Boron, total		0.0788			
AFVVUO	UA	packyrourid	04/09/2024	ASK	טוטוו, נטנמו	mg/L	0.0781			



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WellID	HSU	Well Type	Date	Event I D	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	А3	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	А3	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		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	A2D A2DR	Total Dissolved Solids	mg/L	526			
APW06	UA	Background	01/23/2024	A2DR A3	Total Dissolved Solids	mg/L	508			
APW06	UA	Background	04/09/2024	A3 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			
										Exceedance No
APW02	UD	Compliance	08/17/2023	A2D	Boron, total	mg/L	0.189	0.189	0.145	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





NEWTON, IL			1			I	I		l	
WellID	HSU	Well Type	Date	Event I D	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	А3	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	А3	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	А3	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	А3	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	А3	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	А3	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





WellID	HSU	Well Type	Date	Event I D	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	А3	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	А3	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	А3	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	А3	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	А3	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	А3	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	А3	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





Well I D HSU Well Type Date Event I D Parame APW04 UD Compliance 10/10/2023 A2DR Chloride, APW04 UD Compliance 01/23/2024 A3 Chloride, APW04 UD Compliance 04/09/2024 A3R Chloride, APW04 UD Compliance 07/08/2024 A3D Chloride, APW04 UD Compliance 10/07/2024 A3DR Chloride, APW04 UD Compliance 10/07/2024 A3DR Chloride, APW04 UD Compliance 07/31/2023 A2D Fluoride,	total mg/L mg/L total mg/L total mg/L total mg/L	Result 34.0 44.0 34.0	Comparison Value 34.0 44.0	Background 58.0	SSI Type  No Exceedance
APW04 UD Compliance 01/23/2024 A3 Chloride, APW04 UD Compliance 04/09/2024 A3R Chloride, APW04 UD Compliance 07/08/2024 A3D Chloride, APW04 UD Compliance 10/07/2024 A3DR Chloride,	total mg/L mg/L cotal mg/L mg/L	44.0			No Exceedance
APW04 UD Compliance 04/09/2024 A3R Chloride, APW04 UD Compliance 07/08/2024 A3D Chloride, APW04 UD Compliance 10/07/2024 A3DR Chloride,	total mg/L mg/L		44.0	٠, ٥	
APW04 UD Compliance 07/08/2024 A3D Chloride, APW04 UD Compliance 10/07/2024 A3DR Chloride,	total mg/L	34.0		58.0	No Exceedance
APW04 UD Compliance 10/07/2024 A3DR Chloride,			34.0	58.0	No Exceedance
	total mg/l	35.0	35.0	58.0	No Exceedance
APW04 UD Compliance 07/31/2023 A2D Fluoride,	total Ilig/L	33.3	33.3	58.0	No Exceedance
	otal mg/L	0.180	0.180	0.705	No Exceedance
APW04 UD Compliance 10/10/2023 A2DR Fluoride,	otal mg/L	0.200	0.200	0.705	No Exceedance
APW04 UD Compliance 01/23/2024 A3 Fluoride,	otal mg/L	0.290	0.290	0.705	No Exceedance
APW04 UD Compliance 04/09/2024 A3R Fluoride,	otal mg/L	0.160	0.160	0.705	No Exceedance
APW04 UD Compliance 07/08/2024 A3D Fluoride,	otal mg/L	0.190	0.190	0.705	No Exceedance
APW04 UD Compliance 10/07/2024 A3DR Fluoride,	otal mg/L	0.2 U	0.5	0.705	No Exceedance
APW04 UD Compliance 07/31/2023 A2D pH (fiel	d) SU	6.6	6.6	6.6/8.0	No Exceedance
APW04 UD Compliance 10/10/2023 A2DR pH (fiel	d) SU	6.8	6.8	6.6/8.0	No Exceedance
APW04 UD Compliance 01/23/2024 A3 pH (fiel	d) SU	6.8	6.8	6.6/8.0	No Exceedance
APW04 UD Compliance 04/09/2024 A3R pH (fiel	d) SU	6.7	6.7	6.6/8.0	No Exceedance
APW04 UD Compliance 07/08/2024 A3D pH (fiel	d) SU	6.9	6.9	6.6/8.0	No Exceedance
APW04 UD Compliance 10/07/2024 A3DR pH (fiel	d) SU	6.4	6.4	6.6/8.0	Exceedance Not Confirmed
APW04 UD Compliance 07/31/2023 A2D Sulfate, t	otal mg/L	808	808	15.0	Reported
APW04 UD Compliance 10/10/2023 A2DR Sulfate, t	otal mg/L	808	808	15.0	Confirmed
APW04 UD Compliance 01/23/2024 A3 Sulfate, t	otal mg/L	543	543	15.0	Reported
APW04 UD Compliance 04/09/2024 A3R Sulfate, t	otal mg/L	839	839	15.0	Confirmed
APW04 UD Compliance 07/08/2024 A3D Sulfate, t	otal mg/L	832	832	15.0	Reported
APW04 UD Compliance 10/07/2024 A3DR Sulfate, t	otal mg/L	832	832	15.0	Confirmed
APW04 UD Compliance 07/31/2023 A2D Total Dissolve	d Solids mg/L	1,770	1,770	1,000	Reported
APW04 UD Compliance 10/10/2023 A2DR Total Dissolve	d Solids mg/L	1,710	1,710	1,000	Confirmed
APW04 UD Compliance 01/23/2024 A3 Total Dissolve	d Solids mg/L	1,060	1,060	1,000	Reported
APW04 UD Compliance 04/09/2024 A3R Total Dissolve	d Solids mg/L	1,600	1,600	1,000	Confirmed
APW04 UD Compliance 07/08/2024 A3D Total Dissolve	d Solids mg/L	1,780	1,780	1,000	Reported
APW04 UD Compliance 10/07/2024 A3DR Total Dissolve	d Solids mg/L	1,710	1,710	1,000	Confirmed
APW05S UD Compliance 07/25/2023 A2D Boron, to	otal mg/L	0.209	0.209	0.145	Exceedance Not Confirmed
APW05S UD Compliance 10/10/2023 A2DR Boron, to	otal mg/L	0.0380	0.0380	0.145	No Exceedance
APW05S UD Compliance 01/23/2024 A3 Boron, to	otal mg/L	0.0411	0.0411	0.145	No Exceedance
APW05S UD Compliance 04/02/2024 A3R Boron, to	otal mg/L	0.0326	0.0326	0.145	No Exceedance
APW05S UD Compliance 08/07/2024 A3D Boron, to	otal mg/L	0.0553	0.0553	0.145	No Exceedance
APW05S UD Compliance 10/02/2024 A3DR Boron, to	otal mg/L	0.0382	0.0382	0.145	No Exceedance
APW05S UD Compliance 07/25/2023 A2D Calcium,	otal mg/L	355	355	66.5	Reported
APW05S UD Compliance 10/10/2023 A2DR Calcium,	cotal mg/L	373	373	66.5	Confirmed
APW05S UD Compliance 01/23/2024 A3 Calcium,	otal mg/L	383	383	66.5	Reported
APW05S UD Compliance 04/02/2024 A3R Calcium,	otal mg/L	405	405	66.5	Confirmed
APW05S UD Compliance 08/07/2024 A3D Calcium,	otal mg/L	406	406	66.5	Reported
APW05S UD Compliance 10/02/2024 A3DR Calcium,	otal 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





WellID	HSU	Well Type	Date	Event I D	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	А3	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	А3	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		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
	UA	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.420	0.420	0.705	No Exceedance





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WellID	HSU	Well Type	Date	Event I D	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	А3	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





NEWTON, II	_		ı			1	<u> </u>	I		I
WellID	HSU	Well Type	Date	Event I D	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	А3	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	А3	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	А3	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	А3	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	А3	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	А3	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	А3	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





APPROPORT   15.   Comprehence   01/23/2004   A.3   pic (field)   SU   7.4   7.4   0.648.0   No Facce.   APPROPORT   15.   Comprehence   04/09/2004   A.30   pic (field)   SU   7.5   7.5   0.648.0   No Facce.   APPROPORT   15.   Comprehence   07/20/2004   A.30   pic (field)   SU   7.6   7.6   7.6   0.648.0   No Facce.   APPROPORT   15.   Comprehence   07/20/2003   A.30   pic (field)   SU   7.6   7.6   7.6   0.648.0   No Facce.   APPROPORT   15.   Comprehence   07/20/2003   A.30   Sufficient form   riggit   19.0   1.90   1.50   D. S.   Contient   APPROPORT   15.   Comprehence   07/20/2003   A.30   Sufficient form   riggit   19.0   1.90   1.50   D. S.   D. S.   Contient   APPROPORT   15.   Comprehence   07/20/2004   A.31   Sufficient form   riggit   19.0   1.10   11.0   15.0   No Facce.   APPROPORT   15.   Comprehence   07/20/2004   A.31   Sufficient form   riggit   19.0   11.0   11.0   15.0   No Facce.   APPROPORT   15.   Comprehence   07/20/2004   A.31   Sufficient form   riggit   19.0   1.0   11.0   15.0   No Facce.   APPROPORT   15.   Comprehence   07/20/2004   A.32   Sufficient form   riggit   0.50   1.50   1.50   No Facce.   APPROPORT   15.   Comprehence   07/20/2004   A.30   Sufficient form   riggit   0.50   S.   0.50   1.50   No Facce.   APPROPORT   15.   Comprehence   07/20/2004   A.30   Total Department Solids   riggit   6.50   8.05   1.000   No Facce.   APPROPORT   15.   Comprehence   07/20/2004   A.30   Total Department Solids   riggit   6.50   8.05   1.000   No Facce.   APPROPORT   15.   Comprehence   07/20/2004   A.30   Total Department Solids   riggit   6.50   8.05   1.000   No Facce.   APPROPORT   15.   Comprehence   07/20/2004   A.30   Total Department Solids   riggit   6.00   8.00   1.000   No Facce.   APPROPORT   15.   Comprehence   07/20/2004   A.30   Total Department Solids   riggit   6.00   8.00   1.000   No Facce.   APPROPORT   15.   Comprehence   07/20/2004   A.30   Total Department Solids   riggit   0.000   0.000   0.15   No Facce.   APPROPORT   15.   Comprehence   07/20/2004   A.30   Tot	NEWTON, IL	_		I				ı	1		
APPARPO   UA   Compilarion   04/09/2074   ASP   del (field)   Stil   7.5   7.5   0.678   0.668   0.0	WellID	HSU	Well Type	Date	Event I D	Parameter	Unit	Result		Background	SSI Type
APRIOR   UN   Compliance   CV750/2024   AST   P1 (Fe/R)   SU   7 6   7.6   6.676   No brokes   APRIOR   UN   Compliance   CV750/2024   AST   P1 (Fe/R)   SU   7 3   7 3   6.676   No brokes   APRIOR   UN   Compliance   CV750/2024   AST   Suiface, rotal   mg/l   10.0   10.0   15.0   Megant   APRIOR   UN   Compliance   CV750/2024   AST   Suiface, rotal   mg/l   32.0   32.0   15.0   Confirm   APRIOR   UN   Compliance   CV750/2024   AST   Suiface, rotal   mg/l   33.0   13.0   15.0   No brokes   APRIOR   UN   Compliance   CV750/2024   AST   Suiface, rotal   mg/l   33.0   13.0   15.0   No brokes   APRIOR   UN   Compliance   CV750/2024   AST   Suiface, rotal   mg/l   40.0   25   15.0   No brokes   APRIOR   UN   Compliance   CV750/2024   AST   Suiface, rotal   mg/l   40.0   25   15.0   No Brokes   APRIOR   UN   Compliance   CV750/2024   AST   Suiface, rotal   mg/l   40.0   25   15.0   No Brokes   APRIOR   UN   Compliance   CV750/2024   AST   Total Disolved Suico   mg/l   355   395   1,000   No Brokes   APRIOR   UN   Compliance   CV750/2024   AST   Total Disolved Suico   mg/l   310   310   1,000   No Brokes   APRIOR   UN   Compliance   CV750/2024   AST   Total Disolved Suico   mg/l   310   310   1,000   No Brokes   APRIOR   UN   Compliance   CV750/2024   AST   Total Disolved Suico   mg/l   310   310   1,000   No Brokes   APRIOR   UN   Compliance   CV750/2024   AST   Total Disolved Suico   mg/l   310   310   1,000   No Brokes   APRIOR   UN   Compliance   CV750/2024   AST   Total Disolved Suico   mg/l   310   310   1,000   No Brokes   APRIOR   UN   Compliance   CV750/2024   AST   Total Disolved Suico   mg/l   310   310   1,000   No Brokes   APRIOR   UN   Compliance   CV750/2024   AST   Total Disolved Suico   mg/l   310   310   1,000   No Brokes   APRIOR   UN   Compliance   CV750/2024   AST   Total Disolved Suico   mg/l   310   310   0,000   No Brokes   APRIOR   UN   Compliance   CV750/2024   AST   Total Disolved Suico   mg/l   310   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,	APW09	UA	Compliance	01/23/2024	А3	pH (field)	SU	7.4	7.4	6.6/8.0	No Exceedance
APVIOP   UA   Complaince   10/08/2023   ASDR   pH (Fleid)   SU   7.3   7.3   6.6/8.0   No Exceed   APVIOP   UA   Complaince   07/31/2023   ASDR   Suffate, total   mg/L   19.0   19.0   15.0   Reports   APVIOP   UA   Complaince   07/31/2023   ASDR   Suffate, total   mg/L   19.0   19.0   15.0   Reports   APVIOP   UA   Complaince   07/31/2023   ASDR   Suffate, total   mg/L   11.0   11.0   11.0   15.0   No Exceed   APVIOP   UA   Complaince   07/02/2024   ASDR   Suffate, total   mg/L   11.0   11.0   11.0   15.0   No Exceed   APVIOP   UA   Complaince   07/02/2024   ASDR   Suffate, total   mg/L   40.0   25   15.0   12/34/date   APVIOP   UA   Complaince   07/31/2023   AZDR   Total Descrived Sules   mg/L   50.0   50.0   1.000   No Exceed   APVIOP   UA   Complaince   07/31/2023   AZDR   Total Descrived Sules   mg/L   50.0   50.0   1.000   No Exceed   APVIOP   UA   Complaince   07/31/2023   AZDR   Total Descrived Sules   mg/L   50.0   50.0   1.000   No Exceed   APVIOP   UA   Complaince   07/31/2023   AZDR   Total Descrived Sules   mg/L   50.0   50.0   1.000   No Exceed   APVIOP   UA   Complaince   07/31/2023   AZDR   Total Descrived Sules   mg/L   76.0   76.0   1.000   No Exceed   APVIOP   UA   Complaince   07/31/2023   AZDR   Total Descrived Sules   mg/L   79.0   79.0   1.000   No Exceed   APVIOP   UA   Complaince   07/31/2023   AZDR   Total Descrived Sules   mg/L   79.0   79.0   1.000   No Exceed   APVIOP   UA   Complaince   07/31/2023   AZDR   Total Descrived Sules   mg/L   79.0   79.0   1.000   No Exceed   APVIOP   UA   Complaince   07/31/2023   AZDR   Total Descrived Sules   mg/L   0.023   0.023   0.145   No Exceed   APVIOP   UA   Complaince   07/31/2023   AZDR   Beron Itali   mg/L   0.026   0.026   0.145   No Exceed   APVIOP   UA   Complaince   07/31/2023   AZDR   Beron Itali   mg/L   0.026   0.026   0.145   No Exceed   APVIOP   UA   Complaince   07/31/2023   AZDR   Beron Itali   mg/L   0.030   0.030   0.145   No Exceed   APVIOP   UA   Complaince   07/31/2024   AZDR   Beron Itali   mg/L   0.030   0.030   0.145   No	APW09	UA	Compliance	04/09/2024	A3R	pH (field)	SU	7.5	7.5	6.6/8.0	No Exceedance
APW09	APW09	UA	Compliance	07/02/2024	A3D	pH (field)	SU	7.6	7.6	6.6/8.0	No Exceedance
APW09	APW09	UA	Compliance	10/08/2024	A3DR	pH (field)	SU	7.3	7.3	6.6/8.0	No Exceedance
APVIDID   U.A. Compiliance   01/23/28024   A.3   Sulfate, total   mg/L   13.0   13.0   15.0   No Exceedance   APVIDID   U.A. Compiliance   07/02/2024   A3DR   Sulfate, total   mg/L   40.3   25   15.0   Exceedance   APVIDID   U.A. Compiliance   07/02/2024   A3DR   Sulfate, total   mg/L   40.3   25   15.0   Exceedance   APVIDID   U.A. Compiliance   07/02/2024   A3DR   Sulfate, total   mg/L   40.3   25   15.0   Exceedance   APVIDID   U.A. Compiliance   07/02/2023   A2DR   Total Dissolved Sulids   mg/L   36.5   36.5   1.000   No Exceedance   APVIDID   U.A. Compiliance   07/02/2023   A2DR   Total Dissolved Sulids   mg/L   70.0   76.0   1.000   No Exceedance   APVIDID   U.A. Compiliance   07/02/2024   A3DR   Total Dissolved Sulids   mg/L   70.0   76.0   1.000   No Exceedance   APVIDID   U.A. Compiliance   07/02/2024   A3DR   Total Dissolved Sulids   mg/L   79.0   79.5   1.000   No Exceedance   APVIDID   U.A. Compiliance   07/02/2024   A3DR   Total Dissolved Sulids   mg/L   79.0   79.0   1.000   No Exceedance   APVIDID   U.A. Compiliance   07/02/2024   A3DR   Total Dissolved Sulids   mg/L   31.5   81.5   1.000   No Exceedance   APVIDID   U.A. Compiliance   07/02/2024   A3DR   Total Dissolved Sulids   mg/L   31.5   81.5   1.000   No Exceedance   APVIDID   U.A. Compiliance   07/02/2024   A3DR   Total Dissolved Sulids   mg/L   31.5   81.5   1.000   No Exceedance   APVIDID   U.A. Compiliance   07/02/2024   A3DR   Total Dissolved Sulids   mg/L   0.0924   0.0923   0.145   No Exceedance   APVIDID   U.A. Compiliance   07/02/2024   A3DR   Borron, total   mg/L   0.0924   0.0923   0.145   No Exceedance   APVIDID   U.A. Compiliance   07/02/2024   A3DR   Borron, total   mg/L   0.0924   0.0925   0.145   No Exceedance   APVIDID   U.A. Compiliance   07/02/2024   A3DR   Borron, total   mg/L   0.0904   0.0804   0.145   No Exceedance   APVIDID   U.A. Compiliance   07/02/2024   A3DR   Borron, total   mg/L   0.0904   0.0804   0.145   No Exceedance   APVIDID   U.A. Compiliance   07/02/2024   A3DR   Borron, total   mg/L   0.0904   0.0804	APW09	UA	Compliance	07/31/2023	A2D	Sulfate, total	mg/L	19.0 J+	19.0	15.0	Reported
APW09	APW09	UA	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	32.0	32.0	15.0	Confirmed
APW09	APW09	UA	Compliance	01/23/2024	А3	Sulfate, total	mg/L	11.0	11.0	15.0	No Exceedance
APW09	APW09	UA	Compliance	04/09/2024	A3R	Sulfate, total	mg/L	13.0	13.0	15.0	No Exceedance
APW09	APW09	UA	Compliance	07/02/2024	A3D	Sulfate, total	mg/L	40 J	25	15.0	Exceedance Not Confirmed
APW09	APW09	UA	Compliance	10/08/2024	A3DR	Sulfate, total	mg/L	5.5 J	5	15.0	No Exceedance
APW10	APW09	UA	Compliance	07/31/2023	A2D	Total Dissolved Solids	mg/L	805	805	1,000	No Exceedance
APW09	APW09	UA	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	760	760	1,000	No Exceedance
APW09         UA         Compilance         07/02/2024         A3D         Total Dissolved Solids         mg/L         790         790         1,000         No Exceed           APW09         UA         Compilance         10/08/2024         A3DR         Total Dissolved Solids         mg/L         815         815         1,000         No Exceed           APW10         UA         Compilance         07/31/2023         A2DR         Boron, total         mg/L         0.0923         0.0923         0.145         No Exceed           APW10         UA         Compilance         10/10/2023         A2DR         Boron, total         mg/L         0.0626         0.0626         0.145         No Exceed           APW10         UA         Compilance         01/23/2024         A3R         Boron, total         mg/L         0.0986         0.145         No Exceed           APW10         UA         Compilance         07/02/2024         A3D         Boron, total         mg/L         0.0702         0.0702         0.145         No Exceed           APW10         UA         Compilance         07/31/2023         A2D         Calcium, total         mg/L         140         140         66.5         Report           APW10 <t< td=""><td>APW09</td><td>UA</td><td>Compliance</td><td>01/23/2024</td><td>А3</td><td>Total Dissolved Solids</td><td>mg/L</td><td>810</td><td>810</td><td>1,000</td><td>No Exceedance</td></t<>	APW09	UA	Compliance	01/23/2024	А3	Total Dissolved Solids	mg/L	810	810	1,000	No Exceedance
APW00	APW09	UA	Compliance	04/09/2024	A3R	Total Dissolved Solids	mg/L	795	795	1,000	No Exceedance
APW10 UA Compilance 07/31/2023 A2D Boron, total mg/L 0.0923 0.0923 0.145 No Exceed APW10 UA Compilance 01/23/2024 A3 Boron, total mg/L 0.0626 0.0626 0.145 No Exceed APW10 UA Compilance 04/08/2024 A3R Boron, total mg/L 0.0986 0.0986 0.145 No Exceed APW10 UA Compilance 07/02/2024 A3D Boron, total mg/L 0.0986 0.0986 0.145 No Exceed APW10 UA Compilance 07/02/2024 A3D Boron, total mg/L 0.0702 0.0702 0.145 No Exceed APW10 UA Compilance 07/02/2024 A3D Boron, total mg/L 0.0702 0.0702 0.145 No Exceed APW10 UA Compilance 07/02/2024 A3D Boron, total mg/L 0.0804 0.0804 0.145 No Exceed APW10 UA Compilance 07/31/2023 A2D Calcium, total mg/L 140 140 66.5 Reported APW10 UA Compilance 07/31/2023 A2D Calcium, total mg/L 146 146 66.5 Confirm APW10 UA Compilance 01/23/2024 A3 Calcium, total mg/L 146 146 66.5 Confirm APW10 UA Compilance 01/23/2024 A3 Calcium, total mg/L 148 148 66.5 Confirm APW10 UA Compilance 04/08/2024 A3R Calcium, total mg/L 148 148 66.5 Confirm APW10 UA Compilance 04/08/2024 A3D Calcium, total mg/L 143 143 66.5 Reported APW10 UA Compilance 07/31/2023 A2D Calcium, total mg/L 148 148 66.5 Confirm APW10 UA Compilance 07/31/2023 A2D Calcium, total mg/L 148 148 66.5 Confirm APW10 UA Compilance 07/31/2023 A2D Calcium, total mg/L 143 143 66.5 Reported APW10 UA Compilance 07/31/2023 A2D Calcium, total mg/L 143 143 66.5 S8.0 No Exceed APW10 UA Compilance 07/31/2023 A2D Chloride, total mg/L 45.0 45.0 58.0 No Exceed APW10 UA Compilance 07/31/2023 A2D Chloride, total mg/L 43.0 43.0 58.0 No Exceed APW10 UA Compilance 07/31/2024 A3 Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compilance 07/31/2024 A3 Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compilance 07/31/2023 A2D Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compilance 07/31/2024 A3 Chloride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compilance 07/31/2023 A2D Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compilance 07/31/2024 A3 Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compilance 07/31/2024 A3 Fluoride	APW09	UA	Compliance	07/02/2024	A3D	Total Dissolved Solids	mg/L	790	790	1,000	No Exceedance
APW10 UA Compliance 10/10/2023 A2DR Boron, total mg/L 0.0626 0.0626 0.145 No Exceed APW10 UA Compliance 01/23/2024 A3 Boron, total mg/L 0.0980 0.0980 0.145 No Exceed APW10 UA Compliance 04/08/2024 A3R Boron, total mg/L 0.0980 0.0980 0.145 No Exceed APW10 UA Compliance 07/02/2024 A3D Boron, total mg/L 0.0702 0.0702 0.145 No Exceed APW10 UA Compliance 10/01/2024 A3DR Boron, total mg/L 0.0804 0.0804 0.145 No Exceed APW10 UA Compliance 07/02/2024 A3DR Boron, total mg/L 0.0804 0.0804 0.145 No Exceed APW10 UA Compliance 07/31/2023 A2DR Calcium, total mg/L 140 140 66.5 Reports APW10 UA Compliance 01/23/2024 A3 Calcium, total mg/L 146 146 66.5 Confirm APW10 UA Compliance 01/23/2024 A3R Calcium, total mg/L 148 148 66.5 Confirm APW10 UA Compliance 07/02/2024 A3DR Calcium, total mg/L 143 143 66.5 Reports APW10 UA Compliance 07/02/2024 A3DR Calcium, total mg/L 148 148 66.5 Confirm APW10 UA Compliance 07/02/2024 A3DR Calcium, total mg/L 143 143 66.5 Reports APW10 UA Compliance 07/02/2024 A3DR Calcium, total mg/L 154 154 66.5 Confirm APW10 UA Compliance 07/02/2024 A3DR Calcium, total mg/L 154 154 66.5 Confirm APW10 UA Compliance 07/02/2024 A3DR Calcium, total mg/L 154 154 66.5 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 45.0 45.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3R Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 04/08/2024 A3R Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 04/08/2024 A3DR Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 0.320 0.320 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3DR Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3DR Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 0	APW09	UA	Compliance	10/08/2024	A3DR	Total Dissolved Solids	mg/L	815	815	1,000	No Exceedance
APW10 UA Compliance 01/23/2024 A3 Boron, total mg/L 0.0250 J 0.0250 0.145 No Exceed APW10 UA Compliance 04/08/2024 A3R Boron, total mg/L 0.0986 0.0986 0.145 No Exceed APW10 UA Compliance 07/02/2024 A3D Boron, total mg/L 0.0702 0.702 0.145 No Exceed APW10 UA Compliance 10/01/2024 A3D Boron, total mg/L 0.0702 0.0702 0.145 No Exceed APW10 UA Compliance 07/31/2023 A2D Calcium, total mg/L 140 140 66.5 Reports APW10 UA Compliance 10/10/2024 A3D Calcium, total mg/L 146 146 66.5 Confirm APW10 UA Compliance 01/23/2024 A3 Calcium, total mg/L 148 148 66.5 Confirm APW10 UA Compliance 01/23/2024 A3B Calcium, total mg/L 143 143 66.5 Reports APW10 UA Compliance 01/23/2024 A3D Calcium, total mg/L 143 143 66.5 Reports APW10 UA Compliance 01/01/2024 A3DR Calcium, total mg/L 143 143 66.5 Reports APW10 UA Compliance 01/01/2024 A3DR Calcium, total mg/L 145 154 66.5 Confirm APW10 UA Compliance 01/01/2024 A3DR Calcium, total mg/L 145 154 66.5 Confirm APW10 UA Compliance 01/01/2024 A3DR Calcium, total mg/L 145 0.0 45.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3 Chloride, total mg/L 43.0 43.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3 Chloride, total mg/L 43.0 43.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3 Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3 Chloride, total mg/L 43.5 43.5 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3 Chloride, total mg/L 43.5 43.5 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3 Chloride, total mg/L 43.5 0.320 0.320 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.310 0.310 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.310 0.310 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.310 0.310 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3	APW10	UA	Compliance	07/31/2023	A2D	Boron, total	mg/L	0.0923	0.0923	0.145	No Exceedance
APW10 UA Compliance 04/08/2024 A3B Boron, total mg/L 0.0986 0.0986 0.145 No Exceed APW10 UA Compliance 07/02/2024 A3D Boron, total mg/L 0.0702 0.0702 0.145 No Exceed APW10 UA Compliance 10/01/2024 A3DR Boron, total mg/L 0.0804 0.0804 0.145 No Exceed APW10 UA Compliance 07/31/2023 A2D Calcium, total mg/L 140 140 66.5 Reports APW10 UA Compliance 10/10/2023 A2DR Calcium, total mg/L 146 146 66.5 Confirm APW10 UA Compliance 01/23/2024 A3 Calcium, total mg/L 148 148 66.5 Confirm APW10 UA Compliance 01/23/2024 A3BR Calcium, total mg/L 148 148 66.5 Confirm APW10 UA Compliance 01/23/2024 A3D Calcium, total mg/L 143 143 66.5 Reports APW10 UA Compliance 01/02/2024 A3DR Calcium, total mg/L 143 143 66.5 Reports APW10 UA Compliance 01/03/2024 A3DR Calcium, total mg/L 154 154 66.5 Confirm APW10 UA Compliance 01/03/2024 A3DR Calcium, total mg/L 154 154 66.5 Confirm APW10 UA Compliance 01/23/2024 A3DR Calcium, total mg/L 45.0 45.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3DR Chloride, total mg/L 43.0 43.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3 Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3R Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 01/03/2024 A3DR Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 43.5 43.5 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 43.5 43.5 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 43.5 43.5 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3DR Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3DR Fluoride, total mg/L 0.340 0.350 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3DR Fluoride, total mg/L 0.340 0.350 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.350 0.350 0.750 No Exceed APW10 UA Compliance 07/02/2024 A3R Fluoride, total mg/L 0.350 0.350 0.750 No Exceed APW10 UA Compliance 07/02	APW10	UA	Compliance	10/10/2023	A2DR	Boron, total	mg/L	0.0626	0.0626	0.145	No Exceedance
APW10 UA Compliance 07/02/2024 A3D Boron, total mg/L 0.0702 0.0702 0.145 No Exceed APW10 UA Compliance 10/01/2024 A3DR Boron, total mg/L 0.0804 0.0804 0.145 No Exceed APW10 UA Compliance 07/31/2023 A2D Calcium, total mg/L 140 140 66.5 Reports APW10 UA Compliance 01/01/2024 A3DR Calcium, total mg/L 146 146 66.5 Confirm APW10 UA Compliance 01/23/2024 A3 Calcium, total mg/L 221 221 66.5 Reports APW10 UA Compliance 01/23/2024 A3R Calcium, total mg/L 148 148 66.5 Confirm APW10 UA Compliance 07/02/2024 A3D Calcium, total mg/L 143 143 66.5 Reports APW10 UA Compliance 07/02/2024 A3DR Calcium, total mg/L 143 143 66.5 Reports APW10 UA Compliance 07/03/2024 A3DR Calcium, total mg/L 154 154 66.5 Confirm APW10 UA Compliance 07/31/2023 A2DR Chloride, total mg/L 45.0 45.0 58.0 No Exceed APW10 UA Compliance 07/31/2023 A2DR Chloride, total mg/L 43.0 43.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3 Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 01/03/2024 A3R Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 01/03/2024 A3R Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3R Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3R Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 43.5 43.5 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 0.320 0.320 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 07/02/20	APW10	UA	Compliance	01/23/2024	А3	Boron, total	mg/L	0.0250 J	0.0250	0.145	No Exceedance
APW10 UA Compliance 10/01/2024 A3DR Boron, total mg/L 0.0804 0.0804 0.145 No Exceed APW10 UA Compliance 07/31/2023 A2D Calcium, total mg/L 140 140 66.5 Reports APW10 UA Compliance 01/23/2024 A3 Calcium, total mg/L 146 146 66.5 Confirm APW10 UA Compliance 01/23/2024 A3 Calcium, total mg/L 221 221 66.5 Reports APW10 UA Compliance 04/08/2024 A3R Calcium, total mg/L 148 148 66.5 Confirm APW10 UA Compliance 07/02/2024 A3D Calcium, total mg/L 143 143 66.5 Reports APW10 UA Compliance 07/02/2024 A3D Calcium, total mg/L 154 154 66.5 Confirm APW10 UA Compliance 07/31/2023 A2D Chloride, total mg/L 45.0 45.0 58.0 No Exceed APW10 UA Compliance 07/31/2023 A2DR Chloride, total mg/L 43.0 43.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3 Chloride, total mg/L 43.0 43.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3 Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 04/08/2024 A3R Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3D Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3D Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3D Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 43.5 43.5 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 0.320 0.320 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3DR Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.340 0.350 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.360 0.360 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.360 0.360 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.360 0.360 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.360 0.360 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.360 0.360 0.705 No Exceed APW10 UA Compliance 07/02/20	APW10	UA	Compliance	04/08/2024	A3R	Boron, total	mg/L	0.0986	0.0986	0.145	No Exceedance
APW10 UA Compliance 07/31/2023 A2D Calcium, total mg/L 140 140 66.5 Reported APW10 UA Compliance 01/23/2024 A3 Calcium, total mg/L 146 146 66.5 Confirm APW10 UA Compliance 04/08/2024 A3R Calcium, total mg/L 148 148 66.5 Reported APW10 UA Compliance 07/02/2024 A3D Calcium, total mg/L 148 148 66.5 Reported APW10 UA Compliance 07/02/2024 A3D Calcium, total mg/L 143 143 66.5 Reported APW10 UA Compliance 07/02/2024 A3D Calcium, total mg/L 143 143 66.5 Reported APW10 UA Compliance 07/31/2023 A2D Chloride, total mg/L 154 154 66.5 Confirm Mg/W10 UA Compliance 07/31/2023 A2D Chloride, total mg/L 45.0 45.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3 Chloride, total mg/L 43.0 43.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3 Chloride, total mg/L 35.0 35.0 58.0 No Exceed APW10 UA Compliance 04/08/2024 A3R Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3D Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3D Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3D Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3D Chloride, total mg/L 43.5 43.5 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3D Fluoride, total mg/L 0.320 0.320 0.705 No Exceed APW10 UA Compliance 07/31/2023 A2DR Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 07/20/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 07/20/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 07/20/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 04/08/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 04/08/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 04/08/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 04/08/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 04/08/2024 A3 Fluoride, total mg/L 0.350 0.350 0.755 No Exceed APW10 UA Compliance 04/08/202	APW10	UA	Compliance	07/02/2024	A3D	Boron, total	mg/L	0.0702	0.0702	0.145	No Exceedance
APW10 UA Compliance 10/10/2023 A2DR Calcium, total mg/L 146 146 66.5 Confirm APW10 UA Compliance 01/23/2024 A3 Calcium, total mg/L 221 221 66.5 Reports APW10 UA Compliance 04/08/2024 A3R Calcium, total mg/L 148 148 66.5 Confirm APW10 UA Compliance 07/02/2024 A3D Calcium, total mg/L 143 143 66.5 Reports APW10 UA Compliance 10/01/2024 A3DR Calcium, total mg/L 154 154 66.5 Confirm APW10 UA Compliance 07/31/2023 A2D Chloride, total mg/L 45.0 45.0 58.0 No Exceed APW10 UA Compliance 10/10/2023 A2DR Chloride, total mg/L 43.0 43.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3 Chloride, total mg/L 35.0 35.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3R Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3R Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3D Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 43.5 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 43.5 58.0 No Exceed APW10 UA Compliance 07/31/2023 A2DR Fluoride, total mg/L 0.320 0.320 0.705 No Exceed APW10 UA Compliance 07/31/2023 A2DR Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 07/31/2023 A2DR Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.350 0.150 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 07/02/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 07/	APW10	UA	Compliance	10/01/2024	A3DR	Boron, total	mg/L	0.0804	0.0804	0.145	No Exceedance
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 Confirm 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 Confirm APW10 UA Compliance 07/31/2023 A2D Chloride, total mg/L 45.0 45.0 58.0 No Exceed APW10 UA Compliance 10/10/2023 A2DR Chloride, total mg/L 43.0 43.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3 Chloride, total mg/L 35.0 35.0 58.0 No Exceed APW10 UA Compliance 04/08/2024 A3R Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3D Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3D Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3D Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 43.5 43.5 58.0 No Exceed APW10 UA Compliance 07/01/2023 A2D Fluoride, total mg/L 0.320 0.320 0.705 No Exceed APW10 UA Compliance 07/31/2023 A2D Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.350 0.550 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.350 0.350 0.705 No Exceed APW10 UA C	APW10	UA	Compliance	07/31/2023	A2D	Calcium, total	mg/L	140	140	66.5	Reported
APW10         UA         Compliance         04/08/2024         A3R         Calcium, total         mg/L         148         148         66.5         Confirm           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         Confirm           APW10         UA         Compliance         07/31/2023         A2D         Chloride, total         mg/L         45.0         45.0         58.0         No Exceed           APW10         UA         Compliance         10/10/2023         A2DR         Chloride, total         mg/L         43.0         43.0         58.0         No Exceed           APW10         UA         Compliance         01/23/2024         A3         Chloride, total         mg/L         44.0         44.0         58.0         No Exceed           APW10         UA         Compliance         07/02/2024         A3D         Chloride, total         mg/L         44.0         44.0         58.0         No Exceed           APW10         UA </td <td>APW10</td> <td>UA</td> <td>Compliance</td> <td>10/10/2023</td> <td>A2DR</td> <td>Calcium, total</td> <td>mg/L</td> <td>146</td> <td>146</td> <td>66.5</td> <td>Confirmed</td>	APW10	UA	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	146	146	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 Confirm APW10 UA Compliance 07/31/2023 A2D Chloride, total mg/L 45.0 45.0 58.0 No Exceed APW10 UA Compliance 10/10/2023 A2DR Chloride, total mg/L 43.0 43.0 58.0 No Exceed APW10 UA Compliance 01/23/2024 A3 Chloride, total mg/L 35.0 35.0 58.0 No Exceed APW10 UA Compliance 04/08/2024 A3R Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3D Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 07/02/2024 A3DR Chloride, total mg/L 44.0 44.0 58.0 No Exceed APW10 UA Compliance 10/01/2024 A3DR Chloride, total mg/L 43.5 43.5 58.0 No Exceed APW10 UA Compliance 07/31/2023 A2D Fluoride, total mg/L 0.320 0.320 0.705 No Exceed APW10 UA Compliance 10/10/2023 A2DR Fluoride, total mg/L 0.340 0.340 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.350 0.150 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.150 0.150 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.310 0.310 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.150 0.150 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.310 0.310 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.310 0.310 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.310 0.310 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.310 0.310 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.310 0.310 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.310 0.310 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.310 0.310 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.310 0.310 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3 Fluoride, total mg/L 0.310 0.310 0.705 No Exceed APW10 UA Compliance 01/23/2024 A3R Fluoride, total mg/L 0.310 0.310 0.705 N	APW10	UA	Compliance	01/23/2024	A3	Calcium, total	mg/L	221	221	66.5	Reported
APW10         UA         Compliance         10/01/2024         A3DR         Calcium, total         mg/L         154         154         66.5         Confirm           APW10         UA         Compliance         07/31/2023         A2D         Chloride, total         mg/L         45.0         45.0         58.0         No Exceed           APW10         UA         Compliance         10/10/2023         A2DR         Chloride, total         mg/L         43.0         43.0         58.0         No Exceed           APW10         UA         Compliance         01/23/2024         A3         Chloride, total         mg/L         35.0         35.0         58.0         No Exceed           APW10         UA         Compliance         04/08/2024         A3R         Chloride, total         mg/L         44.0         44.0         58.0         No Exceed           APW10         UA         Compliance         07/02/2024         A3DR         Chloride, total         mg/L         44.0         44.0         58.0         No Exceed           APW10         UA         Compliance         07/02/2024         A3DR         Chloride, total         mg/L         43.5         43.5         58.0         No Exceed           APW10	APW10	UA	Compliance	04/08/2024	A3R	Calcium, total	mg/L	148	148	66.5	Confirmed
APW10         UA         Compliance         07/31/2023         A2D         Chloride, total         mg/L         45.0         45.0         58.0         No Exceed           APW10         UA         Compliance         10/10/2023         A2DR         Chloride, total         mg/L         43.0         43.0         58.0         No Exceed           APW10         UA         Compliance         01/23/2024         A3         Chloride, total         mg/L         44.0         44.0         58.0         No Exceed           APW10         UA         Compliance         04/08/2024         A3R         Chloride, total         mg/L         44.0         44.0         58.0         No Exceed           APW10         UA         Compliance         07/02/2024         A3D         Chloride, total         mg/L         43.5         43.5         58.0         No Exceed           APW10         UA         Compliance         10/01/2024         A3DR         Chloride, total         mg/L         43.5         43.5         58.0         No Exceed           APW10         UA         Compliance         07/31/2023         A2D         Fluoride, total         mg/L         0.320         0.320         0.705         No Exceed           APW10	APW10	UA	Compliance	07/02/2024	A3D	Calcium, total	mg/L	143	143	66.5	Reported
APW10         UA         Compliance         10/10/2023         A2DR         Chloride, total         mg/L         43.0         43.0         58.0         No Exceed           APW10         UA         Compliance         01/23/2024         A3         Chloride, total         mg/L         35.0         35.0         58.0         No Exceed           APW10         UA         Compliance         04/08/2024         A3R         Chloride, total         mg/L         44.0         44.0         58.0         No Exceed           APW10         UA         Compliance         07/02/2024         A3D         Chloride, total         mg/L         44.0         44.0         58.0         No Exceed           APW10         UA         Compliance         07/02/2024         A3DR         Chloride, total         mg/L         43.5         43.5         58.0         No Exceed           APW10         UA         Compliance         07/31/2023         A2D         Fluoride, total         mg/L         0.320         0.320         0.705         No Exceed           APW10         UA         Compliance         01/23/2024         A3         Fluoride, total         mg/L         0.340         0.340         0.705         No Exceed           APW10 <td>APW10</td> <td>UA</td> <td>Compliance</td> <td>10/01/2024</td> <td>A3DR</td> <td>Calcium, total</td> <td>mg/L</td> <td>154</td> <td>154</td> <td>66.5</td> <td>Confirmed</td>	APW10	UA	Compliance	10/01/2024	A3DR	Calcium, total	mg/L	154	154	66.5	Confirmed
APW10         UA         Compliance         01/23/2024         A3         Chloride, total         mg/L         35.0         35.0         58.0         No Exceed           APW10         UA         Compliance         04/08/2024         A3R         Chloride, total         mg/L         44.0         44.0         58.0         No Exceed           APW10         UA         Compliance         07/02/2024         A3D         Chloride, total         mg/L         44.0         44.0         58.0         No Exceed           APW10         UA         Compliance         10/01/2024         A3DR         Chloride, total         mg/L         43.5         43.5         58.0         No Exceed           APW10         UA         Compliance         07/31/2023         A2D         Fluoride, total         mg/L         0.320         0.320         0.705         No Exceed           APW10         UA         Compliance         10/10/2023         A2DR         Fluoride, total         mg/L         0.340         0.340         0.705         No Exceed           APW10         UA         Compliance         01/23/2024         A3         Fluoride, total         mg/L         0.310         0.310         0.705         No Exceed           APW10	APW10	UA	Compliance	07/31/2023	A2D	Chloride, total	mg/L	45.0	45.0	58.0	No Exceedance
APW10         UA         Compliance         04/08/2024         A3R         Chloride, total         mg/L         44.0         44.0         58.0         No Exceed           APW10         UA         Compliance         07/02/2024         A3D         Chloride, total         mg/L         44.0         44.0         58.0         No Exceed           APW10         UA         Compliance         10/01/2024         A3DR         Chloride, total         mg/L         43.5         43.5         58.0         No Exceed           APW10         UA         Compliance         07/31/2023         A2D         Fluoride, total         mg/L         0.320         0.320         0.705         No Exceed           APW10         UA         Compliance         10/10/2023         A2DR         Fluoride, total         mg/L         0.340         0.340         0.705         No Exceed           APW10         UA         Compliance         01/23/2024         A3         Fluoride, total         mg/L         0.150         0.150         0.705         No Exceed           APW10         UA         Compliance         04/08/2024         A3R         Fluoride, total         mg/L         0.310         0.310         0.705         No Exceed	APW10	UA	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	43.0	43.0	58.0	No Exceedance
APW10         UA         Compliance         07/02/2024         A3D         Chloride, total         mg/L         44.0         44.0         58.0         No Exceed           APW10         UA         Compliance         10/01/2024         A3DR         Chloride, total         mg/L         43.5         43.5         58.0         No Exceed           APW10         UA         Compliance         07/31/2023         A2D         Fluoride, total         mg/L         0.320         0.320         0.705         No Exceed           APW10         UA         Compliance         10/10/2023         A2DR         Fluoride, total         mg/L         0.340         0.340         0.705         No Exceed           APW10         UA         Compliance         01/23/2024         A3         Fluoride, total         mg/L         0.150         0.150         0.705         No Exceed           APW10         UA         Compliance         04/08/2024         A3R         Fluoride, total         mg/L         0.310         0.310         0.705         No Exceed	APW10	UA	Compliance	01/23/2024	А3	Chloride, total	mg/L	35.0	35.0	58.0	No Exceedance
APW10         UA         Compliance         10/01/2024         A3DR         Chloride, total         mg/L         43.5         43.5         58.0         No Exceed           APW10         UA         Compliance         07/31/2023         A2D         Fluoride, total         mg/L         0.320         0.320         0.705         No Exceed           APW10         UA         Compliance         10/10/2023         A2DR         Fluoride, total         mg/L         0.340         0.340         0.705         No Exceed           APW10         UA         Compliance         01/23/2024         A3         Fluoride, total         mg/L         0.150         0.150         0.705         No Exceed           APW10         UA         Compliance         04/08/2024         A3R         Fluoride, total         mg/L         0.310         0.310         0.705         No Exceed	APW10	UA	Compliance	04/08/2024	A3R	Chloride, total	mg/L	44.0	44.0	58.0	No Exceedance
APW10         UA         Compliance         07/31/2023         A2D         Fluoride, total         mg/L         0.320         0.320         0.705         No Exceed           APW10         UA         Compliance         10/10/2023         A2DR         Fluoride, total         mg/L         0.340         0.340         0.705         No Exceed           APW10         UA         Compliance         01/23/2024         A3         Fluoride, total         mg/L         0.150         0.150         0.705         No Exceed           APW10         UA         Compliance         04/08/2024         A3R         Fluoride, total         mg/L         0.310         0.310         0.705         No Exceed	APW10	UA	Compliance	07/02/2024	A3D	Chloride, total	mg/L	44.0	44.0	58.0	No Exceedance
APW10         UA         Compliance         10/10/2023         A2DR         Fluoride, total         mg/L         0.340         0.340         0.705         No Exceed           APW10         UA         Compliance         01/23/2024         A3         Fluoride, total         mg/L         0.150         0.150         0.705         No Exceed           APW10         UA         Compliance         04/08/2024         A3R         Fluoride, total         mg/L         0.310         0.310         0.705         No Exceed	APW10	UA	Compliance	10/01/2024	A3DR	Chloride, total	mg/L	43.5	43.5	58.0	No Exceedance
APW10         UA         Compliance         01/23/2024         A3         Fluoride, total         mg/L         0.150         0.150         0.705         No Exceed           APW10         UA         Compliance         04/08/2024         A3R         Fluoride, total         mg/L         0.310         0.310         0.705         No Exceed	APW10	UA	Compliance	07/31/2023	A2D	Fluoride, total	mg/L	0.320	0.320	0.705	No Exceedance
APW10 UA Compliance 04/08/2024 A3R Fluoride, total mg/L 0.310 0.310 0.705 No Exceed	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         07/02/2024         A3D         Fluoride, total         mg/L         0.340         0.340         0.705         No Exceed	APW10	UA	Compliance	04/08/2024	A3R	Fluoride, total	mg/L	0.310	0.310	0.705	No Exceedance
<u> </u>	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 Exceed	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 Exceed	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 Exceed	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 Exceed	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 Exceed	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 Exceed	APW10	UA	Compliance	07/02/2024	A3D	pH (field)	SU	7.1	7.1	6.6/8.0	No Exceedance





NEWTON, IL								05:	1	
WellID	HSU	Well Type	Date	Event I D	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	А3	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	А3	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	А3	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	А3	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	А3	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	А3	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





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WellID	HSU	Well Type	Date	Event I D	Parameter	Unit	Result	Value	Background	SSI Type
APW11	UA	Compliance	01/16/2024	А3	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	А3	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	•	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	·	04/04/2024	A3R	Sulfate, total	mg/L	750	750	15.0	Confirmed
		,		A3D	Sulfate, total	mg/L	835	835	15.0	Reported





Well I D	HSU	Well Type	Date	Event I D	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	А3	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	А3	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	А3	Total Dissolved Solids	mg/L	920	920	1,000	No Exceedance





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WellID	HSU	Well Type	Date	Event I D	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	А3	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		04/04/2024		Chloride, total	mg/L	40.0	40.0	58.0	No Exceedance
APW14	UA	Compliance	08/07/2024		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	AZDR A3	Fluoride, total	mg/L	0.330	0.340	0.705	No Exceedance
APW14	UA	•	04/04/2024		Fluoride, total		0.340	0.340	0.705	No Exceedance
		Compliance				mg/L				
APW14	UA	Compliance	08/07/2024		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	А3	pH (field)	SU	7.2	7.2	6.6/8.0	No Exceedance
APW14	UA	Compliance	04/04/2024		pH (field)	SU	7.2	7.2	6.6/8.0	No Exceedance
APW14	UA	Compliance	08/07/2024		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	А3	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
<del></del>		· · · · · · · · · · · · · · · · · · ·			·		· <del></del>		·	·





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

WellID	HSU	Well Type	Date	Event I D	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
		<u> </u>			, ,					Exceedance Not
APW15	UA	Compliance	08/01/2023	A2D	Sulfate, total	mg/L	16.0 J+	16.0	15.0	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	А3	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	А3	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





APPOIND   U.S.   Complement   22/18/2012   ASS   Parroy, Index   regio   C1700   C1700   C1700   C1810   No Parroy, Index   regio   C1700   C1810	NEWTON, IL	_		ı			ı	Ī		ī	I
APPAYEN   U.   Compilance   04/04/2024   A3B   Dorron Note   mgA   0.120   0.120   0.148   No Exceedent   APPAYEN   U.   Compilance   07/04/2024   A3D   Dorron Note   mgA   0.137   0.137   0.131   No Exceedent   APPAYEN   U.   Compilance   07/04/2024   A3D   Society   Society   MgA   0.120   0.120   0.132   0.134   No Exceedent   APPAYEN   U.   Compilance   07/04/2024   A3D   Colle unit Note   mgA   0.120   0.120   0.134   No Exceedent   APPAYEN   U.   Compilance   07/04/2024   A3D   Colle unit Note   mgA   0.20   0.20   0.20   0.65   Continued   APPAYEN   U.   Compilance   07/04/2024   A3D   Colle unit Note   mgA   0.20   0.20   0.65   Continued   APPAYEN   U.   Compilance   07/04/2024   A3D   Colle unit Note   mgA   0.20   0.130   1.05   1.06   Continued   APPAYEN   U.   Compilance   07/04/2024   A3D   Colle unit Note   mgA   0.00   1.00   1.00   1.00   1.00   MgA   APPAYEN   U.   Compilance   07/04/2024   A3D   Colle unit Note   mgA   0.00   1.00   1.00   1.00   MgA   Mg	WellID	HSU	Well Type	Date	Event I D	Parameter	Unit	Result		Background	SSI Type
APPLICATION   U.S.   Consideration   077107-0704   AATO   Forest hales   mgp   0.137   0.147   0.145   No. Foresteinate   APPLICATION   U.S.   Considerate   077107-0704   AATO   Considerate	APW16	UA	Compliance	01/17/2024	A3	Boron, total	mg/L	0.124	0.124	0.145	No Exceedance
APPRILO   U.A.   Compilations   70/37/2002   ASD   Survivilian   mg/L	APW16	UA	Compliance	04/04/2024	A3R	Boron, total	mg/L	0.120	0.120	0.145	No Exceedance
APPRIL   U.   Compliance   07/31/2002   AZD   Condum, total   mg/s   94.0   94.0   94.0   66.5   Reported   APPRIL   U.   Compliance   01/7/2002   AZD   Condum, total   mg/s   97.0   97.2   97.2   66.5   Reported   APPRIL   U.   Compliance   01/7/2002   AZD   Condum, total   mg/s   97.0   97.2   97.2   66.5   Reported   APPRIL   U.   Compliance   01/7/2002   AZD   Condum, total   mg/s   105   105   66.5   Condumnation   APPRIL   U.   Compliance   07/31/2002   AZD   Condum, total   mg/s   101   101   66.5   Reported   APPRIL   U.   Compliance   07/31/2002   AZD   Condum, total   mg/s   100   105   66.5   Reported   APPRIL   U.   Compliance   07/31/2002   AZD   Condum, total   mg/s   100   66.0   86.0   86.0   Reported   APPRIL   U.   Compliance   07/31/2002   AZD   Condum, total   mg/s   80   66.0   86.0   86.0   Reported   APPRIL   U.   Compliance   07/31/2002   AZD   Condumnation   mg/s   80   66.0   86.0   86.0   Reported   APPRIL   U.   Compliance   07/31/2002   AZD   Condumnation   mg/s   80   66.0   86.0   86.0   Reported   APPRIL   U.   Compliance   07/31/2002   AZD   Condumnation   mg/s   80   66.0   86.0   86.0   Reported   APPRIL   U.   Compliance   07/31/2002   AZD   Condumnation   mg/s   80   66.0   86.0   86.0   Reported   APPRIL   U.   Compliance   07/31/2002   AZD   Reported   mg/s   66.7   66.7   66.7   86.0   Condimination   APPRIL   U.   Compliance   07/31/2002   AZD   Reported   mg/s   07/20   0	APW16	UA	Compliance	07/10/2024	A3D	Boron, total	mg/L	0.137	0.137	0.145	No Exceedance
APVINE   11A   Compilance   Conference   C	APW16	UA	Compliance	10/02/2024	A3DR	Boron, total	mg/L	0.125	0.125	0.145	No Exceedance
APRILLO   UA   Compilario   Conference   APRILLO   Conference   Conferen	APW16	UA	Compliance	07/31/2023	A2D	Calcium, total	mg/L	94.0	94.0	66.5	Reported
ARRITO   LA Compliance   CARSENDOLA   Allis   Caccium, small   mg/L   101   101   66.5   Reported   ARRITO   LA Compliance   OSCIPOZODA   ALBIE   Caccium, small   mg/L   101   101   66.5   Reported   ARRITO   LA Compliance   OSCIPOZODA   ALBIE   Calcium, small   mg/L   101   101   66.5   Reported   ARRITO   LA Compliance   OSCIPOZODA   ALBIE   Calcium, small   mg/L   64.0   64.0   58.0   Reported   ARRITO   LA Compliance   OSCIPOZODA   ALBIE   Ciliades tastal   mg/L   69.0   69.0   58.0   Caudimoda   ARRITO   LA Compliance   OSCIPOZODA   ALBIE   Ciliades tastal   mg/L   69.0   69.0   58.0   Caudimoda   ARRITO   LA Compliance   OSCIPOZODA   ALBIE   Ciliades tastal   mg/L   69.0   69.0   58.0   Caudimoda   ARRITO   LA Compliance   OSCIPOZODA   ALBIE   Ciliades tastal   mg/L   69.0   69.0   58.0   Caudimoda   ARRITO   LA Compliance   OSCIPOZODA   ALBIE   Ciliades tastal   mg/L   69.0   69.0   58.0   Caudimoda   ARRITO   LA Compliance   OSCIPOZODA   ALBIE   Ciliades tastal   mg/L   69.0   69.0   58.0   Caudimoda   ARRITO   LA Compliance   OSCIPOZODA   ALBIE   Ciliades tastal   mg/L   69.0   69.0   58.0   Caudimoda   ARRITO   LA Compliance   OSCIPOZODA   ALBIE   Ciliades tastal   mg/L   69.0   69.0   69.0   58.0   Reported   ARRITO   LA Compliance   OSCIPOZODA   ALBIE   Ciliades tastal   mg/L   69.0   69.0   69.0   58.0   Reported   ARRITO   LA Compliance   OSCIPOZODA   ALBIE   Elizades, tastal   mg/L   69.0	APW16	UA	Compliance	10/10/2023	A2DR	Calcium, total	mg/L	92.9	92.9	66.5	Confirmed
A-9716	APW16	UA	Compliance	01/17/2024	A3	Calcium, total	mg/L	97.2	97.2	66.5	Reported
ARKY16	APW16	UA	Compliance	04/04/2024	A3R	Calcium, total	mg/L	105	105	66.5	Confirmed
APWING	APW16	UA	Compliance	07/10/2024	A3D	Calcium, total	mg/L	101	101	66.5	Reported
APW16	APW16	UA	Compliance	10/02/2024	A3DR	Calcium, total	mg/L	108	108	66.5	Confirmed
APW16	APW16	UA	Compliance	07/31/2023	A2D	Chloride, total	mg/L	64.0	64.0	58.0	Reported
APW16	APW16	UA	Compliance	10/10/2023	A2DR	Chloride, total	mg/L	69.0	69.0	58.0	Confirmed
APW16	APW16	UA	Compliance	01/17/2024	А3	Chloride, total	mg/L	69.0	69.0	58.0	Reported
APW16	APW16	UA	Compliance	04/04/2024	A3R	Chloride, total	mg/L	68.0	68.0	58.0	Confirmed
APW16	APW16	UA	Compliance	07/10/2024	A3D	Chloride, total	mg/L	66.0	66.0	58.0	Reported
APM16	APW16	UA	Compliance	10/02/2024	A3DR	Chloride, total	mg/L	66.7	66.7	58.0	Confirmed
APW16	APW16	UA	Compliance	07/31/2023	A2D	Fluoride, total	mg/L	0.720	0.720	0.705	Reported
APW16	APW16	UA	Compliance	10/10/2023	A2DR	Fluoride, total	mg/L	0.770	0.770	0.705	Confirmed
APW16 UA Compilance 07/10/2024 A3D Fluoride, total mg/l 0.660 0.760 0.765 Exceedance N Confirmed APW16 UA Compilance 10/07/2024 A3DR Fluoride, total mg/l 0.660 0.680 0.705 No Exceedance N Confirmed APW16 UA Compilance 07/31/2023 A2D pH (field) SU 7.1 7.1 6.6/8.0 No Exceedance N Compilance 10/10/2023 A2D pH (field) SU 7.1 7.1 6.6/8.0 No Exceedance N Compilance 07/31/2023 A2D pH (field) SU 7.3 7.3 6.6/8.0 No Exceedance N Compilance 07/31/2023 A2DR pH (field) SU 7.3 7.3 6.6/8.0 No Exceedance N Compilance 07/11/2024 A3 pH (field) SU 7.3 7.3 6.6/8.0 No Exceedance N Compilance 07/11/2024 A3D pH (field) SU 7.3 7.3 6.6/8.0 No Exceedance N Compilance 07/11/2024 A3D pH (field) SU 7.3 7.3 6.6/8.0 No Exceedance N Compilance 07/11/2024 A3D pH (field) SU 7.5 7.5 6.6/8.0 No Exceedance N Compilance 07/11/2024 A3D pH (field) SU 7.5 7.5 6.6/8.0 No Exceedance N Compilance 07/31/2023 A2D Sulfate, total mg/l 14.0 J H 14.0 H 15.0 No Exceedance N Compilance 07/31/2023 A2DR Sulfate, total mg/l 14.0 J H 14.0 H 15.0 No Exceedance N Compilance 07/31/2023 A2DR Sulfate, total mg/l 9.J H 10 H 15.0 No Exceedance N Compilance 07/31/2024 A3DR Sulfate, total mg/l 15.0 H 15.0 No Exceedance N Compilance 07/31/2024 A3DR Sulfate, total mg/l 9.J H 10 H 15.0 No Exceedance N Compilance 07/31/2024 A3DR Sulfate, total mg/l 15.0 H 15.0 No Exceedance N Compilance 07/31/2024 A3DR Sulfate, total mg/l 15.0 H 15.0 No Exceedance N Compilance 07/31/2024 A3DR Sulfate, total mg/l 7.7 No T 10 H 15.0 No Exceedance N Compilance 07/31/2024 A3DR Sulfate, total mg/l 7.7 No T 10 H 15.0 No Exceedance N Compilance 07/31/2024 A3DR Sulfate, total mg/l 7.7 No T 10 H 15.0 No Exceedance N Compilance 07/31/2024 A3DR Sulfate, total mg/l 7.7 No T 10 H 15.0 No Exceedance N Compilance 07/31/2024 A3DR Sulfate, total mg/l 7.7 No T 10 H 15.0 No Exceedance N Compilance 07/31/2024 A3DR T 10 H 15.0 No Exceedance N Compilance 07/31/2024 A3DR T 10 H 15.0 No Exceedance N Compilance 07/31/2024 A3DR T 10 H 15.0 No Exceedance N Compilance 07/31/2024 A3DR T 10 H 15.0 No Exceedance N Compilance	APW16	UA	Compliance	01/17/2024	А3	Fluoride, total	mg/L	0.790	0.790	0.705	Reported
APW16 UA Compliance 10/02/2024 A3D Fluoride, total mg/L 0.760 0.680 0.705 No Exceedant APW16 UA Compliance 10/02/2024 A3DR Fluoride, total mg/L 0.680 0.680 0.705 No Exceedant APW16 UA Compliance 10/10/2023 A2DR pH (field) SU 7.1 7.1 6.678.0 No Exceedant APW16 UA Compliance 10/10/2023 A2DR pH (field) SU 7.4 7.4 6.678.0 No Exceedant APW16 UA Compliance 01/17/2024 A3 pH (field) SU 7.3 7.3 6.678.0 No Exceedant APW16 UA Compliance 04/04/2024 A3R pH (field) SU 7.3 7.3 6.678.0 No Exceedant APW16 UA Compliance 04/04/2024 A3DR pH (field) SU 7.5 7.5 6.678.0 No Exceedant APW16 UA Compliance 07/10/2024 A3DR pH (field) SU 7.5 7.5 6.678.0 No Exceedant APW16 UA Compliance 07/10/2024 A3DR pH (field) SU 7.5 7.5 6.678.0 No Exceedant APW16 UA Compliance 07/31/2023 A2DR Sulfate, total mg/L 14.0.0+ 14.0 15.0 No Exceedant APW16 UA Compliance 07/31/2023 A2DR Sulfate, total mg/L 14.0.0+ 14.0 15.0 No Exceedant APW16 UA Compliance 07/31/2023 A2DR Sulfate, total mg/L 14.0.0+ 14.0 15.0 No Exceedant APW16 UA Compliance 07/31/2024 A3 Sulfate, total mg/L 14.0.0+ 10.0 15.0 No Exceedant APW16 UA Compliance 07/31/2024 A3 Sulfate, total mg/L 11.0 11.0 15.0 No Exceedant APW16 UA Compliance 07/31/2024 A3 Sulfate, total mg/L 10.0 15.0 No Exceedant APW16 UA Compliance 07/31/2024 A3 Sulfate, total mg/L 10.0 15.0 No Exceedant APW16 UA Compliance 07/31/2024 A3DR Sulfate, total mg/L 15.0 15.0 15.0 No Exceedant APW16 UA Compliance 07/31/2023 A2DR Sulfate, total mg/L 15.0 15.0 No Exceedant APW16 UA Compliance 07/31/2023 A2DR Total Dissolved Solids mg/L 768 768 1.000 No Exceedant APW16 UA Compliance 07/31/2023 A2DR Total Dissolved Solids mg/L 768 768 1.000 No Exceedant APW16 UA Compliance 07/31/2023 A2DR Total Dissolved Solids mg/L 769 765 1.000 No Exceedant APW16 UA Compliance 07/31/2023 A2DR Total Dissolved Solids mg/L 752 752 1.000 No Exceedant APW16 UA Compliance 07/31/2023 A2DR Total Dissolved Solids mg/L 759 755 1.000 No Exceedant APW16 UA Compliance 07/31/2024 A3B Total Dissolved Solids mg/L 759 755 1.000 No Exceedant APW16 UA Compliance 07/31/2024	APW16	UA	Compliance	04/04/2024	A3R	Fluoride, total	mg/L	0.770	0.770	0.705	Confirmed
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 04/04/2024 A3DR pH (field) SU 7.5 7.5 6.6/8.0 No Exceedance APW16 UA Compliance 07/10/2024 A3DR pH (field) SU 7.5 7.5 6.6/8.0 No Exceedance APW16 UA Compliance 07/31/2023 A2DD pH (field) SU 7.5 7.5 6.6/8.0 No Exceedance APW16 UA Compliance 07/31/2023 A2DD Sulfate, total mg/L 14.0 Jr 14.0 15.0 No Exceedance APW16 UA Compliance 07/31/2023 A2DD Sulfate, total mg/L 14.0 Jr 14.0 15.0 No Exceedance APW16 UA Compliance 01/17/2024 A3 Sulfate, total mg/L 9 Jr 10 15.0 No Exceedance APW16 UA Compliance 07/10/2024 A3R Sulfate, total mg/L 11.0 11.0 15.0 No Exceedance APW16 UA Compliance 07/10/2024 A3B Sulfate, total mg/L 15.0 15.0 No Exceedance APW16 UA Compliance 07/10/2024 A3DR Sulfate, total mg/L 15.0 15.0 No Exceedance APW16 UA Compliance 07/10/2024 A3DR Sulfate, total mg/L 15.0 15.0 No Exceedance APW16 UA Compliance 07/10/2024 A3DR Sulfate, total mg/L 15.0 15.0 No Exceedance APW16 UA Compliance 07/10/2024 A3DR Sulfate, total mg/L 15.0 15.0 No Exceedance APW16 UA Compliance 07/31/2023 A2DR Total Dissolved Solids mg/L 768 768 1,000 No Exceedance APW16 UA Compliance 07/31/2023 A2DR Total Dissolved Solids mg/L 768 768 1,000 No Exceedance APW16 UA Compliance 07/10/2024 A3R Total Dissolved Solids mg/L 752 752 1,000 No Exceedance APW16 UA Compliance 07/10/2024 A3DR Total Dissolved Solids mg/L 752 752 1,000 No Exceedance APW16 UA Compliance 07/10/2024 A3DR Total Dissolved Solids mg/L 752 752 1,000 No Exceedance APW16 UA Compliance 07/10/2024 A3DR Total Dissolved Solids mg/L 752 752 1,000 No Exceedance APW16 UA Compliance 07/10/2024 A3DR Total Dissolved Solids mg/L 752 752 1,000 No Exceedance APW17 UA Compliance 07/10/2024 A3DR Total Dissolved Solids mg/L 752 752 1,000 No Exceedance APW17 UA Compli	APW16	UA	Compliance	07/10/2024	A3D	Fluoride, total	mg/L	0.760	0.760	0.705	Exceedance Not Confirmed
APW16 UA Compliance 10/10/2023 A2DR pH (field) SU 7.4 7.4 6.6/8.0 No Exceedant APW16 UA Compliance 01/17/2024 A3 pH (field) SU 7.3 7.3 6.6/8.0 No Exceedant APW16 UA Compliance 04/04/2024 A3R pH (field) SU 7.3 7.3 6.6/8.0 No Exceedant APW16 UA Compliance 04/04/2024 A3D pH (field) SU 7.5 7.5 6.6/8.0 No Exceedant APW16 UA Compliance 10/02/2024 A3DR pH (field) SU 7.5 7.5 6.6/8.0 No Exceedant APW16 UA Compliance 10/02/2024 A3DR pH (field) SU 7.5 7.5 6.6/8.0 No Exceedant APW16 UA Compliance 10/02/2024 A3DR pH (field) SU 7.5 7.5 6.6/8.0 No Exceedant APW16 UA Compliance 10/10/2023 A2DR Sulfate, total mg/l 14.0 J 14.0 15.0 No Exceedant APW16 UA Compliance 10/10/2023 A2DR Sulfate, total mg/l 8.J 10 15.0 No Exceedant APW16 UA Compliance 10/17/2024 A3 Sulfate, total mg/L 9 J 10 15.0 No Exceedant APW16 UA Compliance 04/04/2024 A3R Sulfate, total mg/L 11.0 11.0 15.0 No Exceedant APW16 UA Compliance 07/10/2024 A3DR Sulfate, total mg/L 15.0 15.0 No Exceedant APW16 UA Compliance 07/10/2024 A3DR Sulfate, total mg/L 15.0 15.0 No Exceedant APW16 UA Compliance 10/02/2024 A3DR Sulfate, total mg/L 15.0 15.0 No Exceedant APW16 UA Compliance 07/31/2023 A2D Total Dissolved Solids mg/L 768 768 1,000 No Exceedant APW16 UA Compliance 07/31/2023 A2DR Total Dissolved Solids mg/L 768 768 1,000 No Exceedant APW16 UA Compliance 01/17/2024 A3R Total Dissolved Solids mg/L 768 768 1,000 No Exceedant APW16 UA Compliance 01/17/2024 A3R Total Dissolved Solids mg/L 768 768 1,000 No Exceedant APW16 UA Compliance 01/17/2024 A3R Total Dissolved Solids mg/L 752 752 1,000 No Exceedant APW16 UA Compliance 07/10/2024 A3R Total Dissolved Solids mg/L 752 752 1,000 No Exceedant APW16 UA Compliance 07/10/2024 A3R Total Dissolved Solids mg/L 752 752 1,000 No Exceedant APW16 UA Compliance 07/10/2024 A3R Total Dissolved Solids mg/L 752 752 1,000 No Exceedant APW16 UA Compliance 07/10/2024 A3R Total Dissolved Solids mg/L 752 752 1,000 No Exceedant APW16 UA Compliance 07/10/2024 A3R Total Dissolved Solids mg/L 750 705 1,000 No Exceedant APW16 UA Compliance 07/10/2024	APW16	UA	Compliance	10/02/2024	A3DR	Fluoride, total	mg/L	0.680	0.680	0.705	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         07/10/2024         A3DR         pH (field)         SU         7.5         7.5         6.6/8.0         No Exceedance APW16         UA         Compliance         07/13/2024         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         01/17/2024         A3         Sulfate, total         mg/L         9 J-         10         15.0         No Exceedance APW16         UA         Compliance         07/10/2024         A3D         Sulfate, total         mg/L         15.0         15.0         No Exceedance APW16         UA	APW16	UA	Compliance	07/31/2023	A2D	pH (field)	SU	7.1	7.1	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 and Payor           APW16         UA         Compliance         07/10/2024         A3D         pH (field)         SU         7.5         7.5         6.6/8.0         No Exceedance and Payor           APW16         UA         Compliance         10/02/2024         A3DR         pH (field)         SU         7.5         7.5         6.6/8.0         No Exceedance APW16           APW16         UA         Compliance         07/31/2023         A2D         Sulfate, total         mg/L         14.0 J+         14.0         15.0         No Exceedance APW16           APW16         UA         Compliance         01/17/2024         A3         Sulfate, total         mg/L         8 J         10         15.0         No Exceedance APW16           APW16         UA         Compliance         01/17/2024         A3         Sulfate, total         mg/L         11.0         11.0         15.0         No Exceedance APW16           APW16         UA         Compliance         07/10/2024         A3DR         Sulfate, total         mg/L         15.0         15.0         No Exceedance APW16	APW16	UA	Compliance	10/10/2023	A2DR	pH (field)	SU	7.4	7.4	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           APW16         UA         Compliance         10/02/2024         A3DR         pH (field)         SU         7.5         7.5         6.6/8.0         No Exceedance APW16           APW16         UA         Compliance         07/31/2023         A2D         Sulfate, total         mg/L         14.0 J+         14.0         15.0         No Exceedance APW16           APW16         UA         Compliance         10/10/2023         A2DR         Sulfate, total         mg/L         9 J-         10         15.0         No Exceedance APW16           APW16         UA         Compliance         01/17/2024         A3         Sulfate, total         mg/L         11.0         11.0         15.0         No Exceedance APW16           APW16         UA         Compliance         07/10/2024         A3D         Sulfate, total         mg/L         15.0         15.0         No Exceedance APW16           APW16         UA         Compliance         10/02/2024         A3DR         Sulfate, total         mg/L         3 U         10         15.0         No Exceedance APW16	APW16	UA	Compliance	01/17/2024	А3	pH (field)	SU	7.3	7.3	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         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         01/17/2024         A3         <	APW16	UA	Compliance	04/04/2024	A3R	pH (field)	SU	7.3	7.3	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 01/17/2024 A3 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 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 01/17/2024 A3R Total Dissolved Solids mg/L 755 705 1,000 No Exceedance APW16 UA Compliance 07/10/2024 A3R Total Dissolved Solids mg/L 752 752 1,000 No Exceedance APW16 UA Compliance 07/10/2024 A3DR Total Dissolved Solids mg/L 730 730 1,000 No Exceedance APW16 UA Compliance 07/10/2024 A3DR Total Dissolved Solids mg/L 752 752 1,000 No Exceedance APW16 UA Compliance 07/10/2024 A3DR Total Dissolved Solids mg/L 730 730 1,000 No Exceedance APW16 UA Compliance 07/25/2023 A2DR Boron, total mg/L 0.0788 0.0788 0.145 No Exceedance APW17 UA Compliance 07/10/2024 A3 Boron, total mg/L 0.0788 0.0848 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 01/17/2024 A3 Boron, total mg/L 0.0848 0.0848 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 01/17/2024 A3 Boron, total mg/L 0.0848 0.0848 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 01/17/2024 A3 Boron total mg/L 0.0848 0.0848 0.145 No Exceedance APW17 UA Compliance 01/17/2024 A3 Boron total	APW16	UA	Compliance	07/10/2024	A3D	pH (field)	SU	7.5	7.5	6.6/8.0	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         3 U         10         15.0         No Exceedance APW16         UA Compliance         07/31/2023         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	APW16	UA	Compliance	10/02/2024	A3DR	pH (field)	SU	7.5	7.5	6.6/8.0	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         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         705         705         1,000         No Exceedance <td< td=""><td>APW16</td><td>UA</td><td>Compliance</td><td>07/31/2023</td><td>A2D</td><td>Sulfate, total</td><td>mg/L</td><td>14.0 J+</td><td>14.0</td><td>15.0</td><td>No Exceedance</td></td<>	APW16	UA	Compliance	07/31/2023	A2D	Sulfate, total	mg/L	14.0 J+	14.0	15.0	No Exceedance
APW16 UA Compliance 04/04/2024 A3B 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 07/10/2024 A3DR Total Dissolved Solids mg/L 730 730 1,000 No Exceedance APW16 UA Compliance 07/10/2024 A3DR Total Dissolved Solids mg/L 752 752 1,000 No Exceedance APW16 UA Compliance 07/25/2023 A2DR 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 07/17/2024 A3 Boron, total mg/L 0.0848 0.0848 0.145 No Exceedance APW17 UA Compliance 07/17/2024 A3 Boron, total mg/L 0.0848 0.0848 0.145 No Exceedance APW17 UA Compliance 07/17/2024 A3 Boron, total mg/L 0.0848 0.0848 0.145 No Exceedance APW17 UA Compliance 07/17/2024 A3 Boron, total mg/L 0.0848 0.0848 0.145 No Exceedance APW17 UA Compliance 07/17/2024 A3 Boron, total mg/L 0.0848 0.0848 0.145 No Exceedance APW17 UA Compliance 07/17/2024 A3 Boron, total mg/L 0.0848 0.0848 0.145 No Exceedance APW17 UA Compliance 07/17/2024 A3 Boron, total mg/L 0.0848 0.0848 0.145 No Exceedance APW17 UA Compliance 07/17/2024 A3 Boron, total mg/L 0.0848 0.0848 0.145 No Exceedance APW17 UA Compliance 07/17/2024 A3 Boron, total mg/L 0.0848 0.0848 0.145 No Exceedance APW17 UA Compliance 07/17/2024 A3 Boron, total mg/L 0.0848 0.0848 0.145 No Exceedance APW17 UA Compliance 07/17/2024 A3 Boron, total mg/L 0.0848 0.0848 0.145 No Exceedance APW17 UA Compliance 07/17/2024 A3 Bor	APW16	UA	Compliance	10/10/2023	A2DR	Sulfate, total	mg/L	8 J	10	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         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 Exceed	APW16	UA	Compliance	01/17/2024	A3	Sulfate, total	mg/L	9 J-	10	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         A3DR         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         N	APW16	UA		04/04/2024	A3R	Sulfate, total	mg/L	11.0		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 <td< td=""><td>APW16</td><td>UA</td><td>Compliance</td><td>07/10/2024</td><td>A3D</td><td>Sulfate, total</td><td>mg/L</td><td>15.0</td><td>15.0</td><td>15.0</td><td>No Exceedance</td></td<>	APW16	UA	Compliance	07/10/2024	A3D	Sulfate, total	mg/L	15.0	15.0	15.0	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         0.0121         0.121         0.145         No Exceedance           APW17         UA         Compliance         10/10/2023         A2DR         Boron, total         mg/L         0.0848         0.0445         No Exceedance     <		UA	Compliance		A3DR		mg/L	3 U	10	15.0	No Exceedance
APW16         UA         Compliance         01/17/2024         A3         Total Dissolved Solids         mg/L         730         730         1,000         No Exceedand           APW16         UA         Compliance         04/04/2024         A3R         Total Dissolved Solids         mg/L         705         705         1,000         No Exceedand           APW16         UA         Compliance         07/10/2024         A3D         Total Dissolved Solids         mg/L         752         752         1,000         No Exceedand           APW16         UA         Compliance         10/02/2024         A3DR         Total Dissolved Solids         mg/L         730         730         1,000         No Exceedand           APW17         UA         Compliance         07/25/2023         A2D         Boron, total         mg/L         0.121         0.121         0.145         No Exceedand           APW17         UA         Compliance         10/10/2023         A2DR         Boron, total         mg/L         0.0848         0.0848         0.145         No Exceedand           APW17         UA         Compliance         01/17/2024         A3         Boron, total         mg/L         0.0848         0.0848         0.145         No Exceedand </td <td>APW16</td> <td>UA</td> <td>Compliance</td> <td></td> <td></td> <td>Total Dissolved Solids</td> <td>mg/L</td> <td>665</td> <td>665</td> <td></td> <td>No Exceedance</td>	APW16	UA	Compliance			Total Dissolved Solids	mg/L	665	665		No Exceedance
APW16         UA         Compliance         04/04/2024         A3R         Total Dissolved Solids         mg/L         705         705         1,000         No Exceedand           APW16         UA         Compliance         07/10/2024         A3D         Total Dissolved Solids         mg/L         752         752         1,000         No Exceedand           APW16         UA         Compliance         10/02/2024         A3DR         Total Dissolved Solids         mg/L         730         730         1,000         No Exceedand           APW17         UA         Compliance         07/25/2023         A2D         Boron, total         mg/L         0.121         0.121         0.145         No Exceedand           APW17         UA         Compliance         10/10/2023         A2DR         Boron, total         mg/L         0.0788         0.0788         0.145         No Exceedand           APW17         UA         Compliance         01/17/2024         A3         Boron, total         mg/L         0.0848         0.0848         0.145         No Exceedand	APW16	UA	Compliance	10/10/2023	A2DR	Total Dissolved Solids	mg/L	768	768	1,000	No Exceedance
APW16         UA         Compliance         07/10/2024         A3D         Total Dissolved Solids         mg/L         752         1,000         No Exceedand           APW16         UA         Compliance         10/02/2024         A3DR         Total Dissolved Solids         mg/L         730         730         1,000         No Exceedand           APW17         UA         Compliance         07/25/2023         A2D         Boron, total         mg/L         0.121         0.121         0.145         No Exceedand           APW17         UA         Compliance         10/10/2023         A2DR         Boron, total         mg/L         0.0788         0.0788         0.145         No Exceedand           APW17         UA         Compliance         01/17/2024         A3         Boron, total         mg/L         0.0848         0.0848         0.145         No Exceedand	APW16	UA	· ·	01/17/2024	A3	Total Dissolved Solids	mg/L	730	730	1,000	No Exceedance
APW16         UA         Compliance         10/02/2024         A3DR         Total Dissolved Solids         mg/L         730         730         1,000         No Exceedand           APW17         UA         Compliance         07/25/2023         A2D         Boron, total         mg/L         0.121         0.121         0.145         No Exceedand           APW17         UA         Compliance         10/10/2023         A2DR         Boron, total         mg/L         0.0788         0.0788         0.145         No Exceedand           APW17         UA         Compliance         01/17/2024         A3         Boron, total         mg/L         0.0848         0.0848         0.145         No Exceedand		UA							705	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							mg/L		752		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		UA	<u> </u>		A3DR		mg/L		730	1,000	No Exceedance
APW17 UA Compliance 01/17/2024 A3 Boron, total mg/L 0.0848 0.0848 0.145 No Exceedance							mg/L				No Exceedance
			•				mg/L				No Exceedance
APW17   UA   Compliance   04/04/2024   A3R   Boron total   Img/L   0.0691   0.0691   0.145   No Exceedance		UA									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	APW17	UA	Compliance	07/09/2024	A3D	Boron, total	mg/L	0.0961	0.0961	0.145	No Exceedance





Well I D	HSU	Well Type	Date	Event I D	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	А3	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	А3	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	А3	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	А3	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





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

NEWTON, II	_						ı	1	I	T
WellID	HSU	Well Type	Date	Event I D	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	А3	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	А3	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	А3	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	А3	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	А3	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
			1			I		1	I.	1

# 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<sup>1</sup> = Parameter not analyzed

NS1 = Well has been, or will be, abandoned; therefore, a sample was not collected.

NS<sup>2</sup> = 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.

PM¹ = 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

NEW ION,	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	В	01/16/2024	А3	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	В	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	В	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	В	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	В	01/23/2024	А3	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	В	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	В	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	В	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	С	01/18/2024	А3	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	С	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	С	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	С	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	С	01/23/2024	А3	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	С	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	С	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	С	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	С	01/23/2024	А3	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	С	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	С	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	С	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	С	01/23/2024	А3	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	С	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	С	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	С	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	С	01/23/2024	А3	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	С	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	С	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

NEW ION,	<u>IL</u>																	
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	С	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	С	01/18/2024	А3	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	С	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	С	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	С	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	С	01/23/2024	А3	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	С	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	С	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	С	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	С	01/23/2024	А3	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	С	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	С	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	С	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	С	01/16/2024	А3	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	С	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	С	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	С	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	С	01/16/2024	А3	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	С	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	С	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	С	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	С	01/17/2024	А3	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	С	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	С	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	С	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	С	01/17/2024	А3	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	С	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	С	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	С	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	С	01/18/2024	А3	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	С	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	С	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	С	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	С	01/17/2024	А3	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	С	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	С	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	С	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	С	01/17/2024	А3	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	С	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	С	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	С	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	С	01/16/2024	А3	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	С	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	С	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	С	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





### **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.

- NS1 = Well has been, or will be, abandoned; therefore, a sample was not collected.
- NS<sup>2</sup> = 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.
- PM¹ = 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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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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**GROUNDWATER PROTECTION STANDARDS**2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT

PRIMARY ASH POND

NEWTON, IL

			Background				Construction to the construction	
Parameter	Date Range	Sample Count	Percent Non- Detects	Statistical Calculation	Value	MCL/HBL	Groundwater Protection Standard*	Groundwater Protection Standard Source
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

MCL/HBL = maximum contaminant level/health-based level mg/L = milligrams per liter ND = non-detect

pCi/L = picoCuries per literUTL = upper tolerance limit

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**Dara** 



Notes:
\* Groundwater Protection Standard is the higher of the MCL/HBL or background.

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

INL VVI OIN, IL	-											
WellID	HSU	EventID	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	А3	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	А3	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	А3	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	А3	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	А3	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

HSU	Event I D	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
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
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
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
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
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
UD	А3	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
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
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
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
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
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
UD	А3	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
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
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
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
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
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
UD	А3	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
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
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
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
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
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
UD	А3	Lead, total	mg/L	02/17/21 - 01/18/24	13	92	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
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
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
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
	UD  UD  UD  UD  UD  UD  UD  UD  UD  UD	UD       A3R         UD       A3DR         UD       A2D         UD       A2DR         UD       A3R         UD       A3R         UD       A3DR         UD       A3DR         UD       A2DR         UD       A3DR         UD       A3R         UD       A3DR         UD       A3DR         UD       A3DR         UD       A2DR         UD       A2DR         UD       A3DR         UD       A3DR <td>UD A3D Cadmium, total  UD A3DR Cadmium, total  UD A2D Chromium, total  UD A2DR Chromium, total  UD A3 Chromium, total  UD A3R Chromium, total  UD A3R Chromium, total  UD A3DR Chromium, total  UD A3DR Chromium, total  UD A3DR Chromium, total  UD A3DR Chromium, total  UD A2DR Cobalt, total  UD A3R Cobalt, total  UD A3R Cobalt, total  UD A3DR Fluoride, total  UD A3DR Fluoride, total  UD A3R Fluoride, total  UD A3DR Lead, total  UD A2DR Lead, total  UD A3R Lead, total  UD A3R Lead, total</td> <td>UD         A3R         Cadmium, total         mg/L           UD         A3D         Cadmium, total         mg/L           UD         A3DR         Cadmium, total         mg/L           UD         A2D         Chromium, total         mg/L           UD         A2DR         Chromium, total         mg/L           UD         A3         Chromium, total         mg/L           UD         A3DR         Cobalt, total         mg/L           UD         A3R         Cobalt, total         mg/L           UD         A3R         Fluoride, total</td> <td>UD         A3R         Cadmium, total         mg/L         02/17/21 - 04/09/24           UD         A3D         Cadmium, total         mg/L         02/17/21 - 08/07/24           UD         A3DR         Cadmium, total         mg/L         02/17/21 - 10/02/24           UD         A2D         Chromium, total         mg/L         02/17/21 - 08/17/23           UD         A2DR         Chromium, total         mg/L         02/17/21 - 01/18/24           UD         A3         Chromium, total         mg/L         02/17/21 - 04/09/24           UD         A3R         Chromium, total         mg/L         02/17/21 - 04/09/24           UD         A3D         Chromium, total         mg/L         02/17/21 - 04/09/24           UD         A3DR         Chromium, total         mg/L         02/17/21 - 08/07/24           UD         A3DR         Chromium, total         mg/L         02/17/21 - 08/07/24           UD         A2D         Cobalt, total         mg/L         02/17/21 - 08/07/24           UD         A2D         Cobalt, total         mg/L         02/17/21 - 01/18/24           UD         A3R         Cobalt, total         mg/L         02/17/21 - 04/09/24           UD         A3DR         Fluoride, t</td> <td>  Decoration</td> <td>  DE   A3R   Cadmium, total   mg/L   02/17/21 - 04/09/24   14   100     DE   A3DR   Cadmium, total   mg/L   02/17/21 - 08/07/24   15   100     DE   A3DR   Cadmium, total   mg/L   02/17/21 - 08/07/24   16   100     DE   A2DR   Chromium, total   mg/L   02/17/21 - 08/17/23   11   81     DE   A2DR   Chromium, total   mg/L   02/17/21 - 08/17/23   12   83     DE   A3   Chromium, total   mg/L   02/17/21 - 01/18/24   13   76     DE   A3BR   Chromium, total   mg/L   02/17/21 - 04/09/24   14   78     DE   A3DR   Chromium, total   mg/L   02/17/21 - 08/07/24   15   80     DE   A3DR   Chromium, total   mg/L   02/17/21 - 08/07/24   16   81     DE   A3DR   Chromium, total   mg/L   02/17/21 - 08/07/24   16   81     DE   A2DR   Cobalt, total   mg/L   02/17/21 - 08/17/23   11   90     DE   A2DR   Cobalt, total   mg/L   02/17/21 - 08/17/23   12   91     UE   A3BR   Cobalt, total   mg/L   02/17/21 - 01/18/24   13   92     UE   A3BR   Cobalt, total   mg/L   02/17/21 - 04/09/24   14   92     UE   A3BR   Cobalt, total   mg/L   02/17/21 - 04/09/24   14   92     UE   A3DR   Cobalt, total   mg/L   02/17/21 - 08/07/24   15   93     UE   A3DR   Cobalt, total   mg/L   02/17/21 - 08/07/24   16   87     UE   A3DR   Cobalt, total   mg/L   02/17/21 - 08/07/24   16   87     UE   A2DR   Fluoride, total   mg/L   02/17/21 - 08/07/24   16   87     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 08/07/24   14   71     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   14   71     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   14   71     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   16   68     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   16   68     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   16   68     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   16   68     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   16   68     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   16   68     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   16   68     UE  </td> <td>  Dec   Dec</td> <td>  High   Addition   Tests   Mgr   02/17/21 - 04/09/24   14   100   All ND - Fast   0.001    </td> <td>  University   Uni</td> <td>  Decomposition   Decompositio</td>	UD A3D Cadmium, total  UD A3DR Cadmium, total  UD A2D Chromium, total  UD A2DR Chromium, total  UD A3 Chromium, total  UD A3R Chromium, total  UD A3R Chromium, total  UD A3DR Chromium, total  UD A3DR Chromium, total  UD A3DR Chromium, total  UD A3DR Chromium, total  UD A2DR Cobalt, total  UD A3R Cobalt, total  UD A3R Cobalt, total  UD A3DR Fluoride, total  UD A3DR Fluoride, total  UD A3R Fluoride, total  UD A3DR Lead, total  UD A2DR Lead, total  UD A3R Lead, total  UD A3R Lead, total	UD         A3R         Cadmium, total         mg/L           UD         A3D         Cadmium, total         mg/L           UD         A3DR         Cadmium, total         mg/L           UD         A2D         Chromium, total         mg/L           UD         A2DR         Chromium, total         mg/L           UD         A3         Chromium, total         mg/L           UD         A3DR         Cobalt, total         mg/L           UD         A3R         Cobalt, total         mg/L           UD         A3R         Fluoride, total	UD         A3R         Cadmium, total         mg/L         02/17/21 - 04/09/24           UD         A3D         Cadmium, total         mg/L         02/17/21 - 08/07/24           UD         A3DR         Cadmium, total         mg/L         02/17/21 - 10/02/24           UD         A2D         Chromium, total         mg/L         02/17/21 - 08/17/23           UD         A2DR         Chromium, total         mg/L         02/17/21 - 01/18/24           UD         A3         Chromium, total         mg/L         02/17/21 - 04/09/24           UD         A3R         Chromium, total         mg/L         02/17/21 - 04/09/24           UD         A3D         Chromium, total         mg/L         02/17/21 - 04/09/24           UD         A3DR         Chromium, total         mg/L         02/17/21 - 08/07/24           UD         A3DR         Chromium, total         mg/L         02/17/21 - 08/07/24           UD         A2D         Cobalt, total         mg/L         02/17/21 - 08/07/24           UD         A2D         Cobalt, total         mg/L         02/17/21 - 01/18/24           UD         A3R         Cobalt, total         mg/L         02/17/21 - 04/09/24           UD         A3DR         Fluoride, t	Decoration	DE   A3R   Cadmium, total   mg/L   02/17/21 - 04/09/24   14   100     DE   A3DR   Cadmium, total   mg/L   02/17/21 - 08/07/24   15   100     DE   A3DR   Cadmium, total   mg/L   02/17/21 - 08/07/24   16   100     DE   A2DR   Chromium, total   mg/L   02/17/21 - 08/17/23   11   81     DE   A2DR   Chromium, total   mg/L   02/17/21 - 08/17/23   12   83     DE   A3   Chromium, total   mg/L   02/17/21 - 01/18/24   13   76     DE   A3BR   Chromium, total   mg/L   02/17/21 - 04/09/24   14   78     DE   A3DR   Chromium, total   mg/L   02/17/21 - 08/07/24   15   80     DE   A3DR   Chromium, total   mg/L   02/17/21 - 08/07/24   16   81     DE   A3DR   Chromium, total   mg/L   02/17/21 - 08/07/24   16   81     DE   A2DR   Cobalt, total   mg/L   02/17/21 - 08/17/23   11   90     DE   A2DR   Cobalt, total   mg/L   02/17/21 - 08/17/23   12   91     UE   A3BR   Cobalt, total   mg/L   02/17/21 - 01/18/24   13   92     UE   A3BR   Cobalt, total   mg/L   02/17/21 - 04/09/24   14   92     UE   A3BR   Cobalt, total   mg/L   02/17/21 - 04/09/24   14   92     UE   A3DR   Cobalt, total   mg/L   02/17/21 - 08/07/24   15   93     UE   A3DR   Cobalt, total   mg/L   02/17/21 - 08/07/24   16   87     UE   A3DR   Cobalt, total   mg/L   02/17/21 - 08/07/24   16   87     UE   A2DR   Fluoride, total   mg/L   02/17/21 - 08/07/24   16   87     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 08/07/24   14   71     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   14   71     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   14   71     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   16   68     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   16   68     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   16   68     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   16   68     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   16   68     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   16   68     UE   A3DR   Fluoride, total   mg/L   02/17/21 - 04/09/24   16   68     UE	Dec   Dec	High   Addition   Tests   Mgr   02/17/21 - 04/09/24   14   100   All ND - Fast   0.001	University   Uni	Decomposition   Decompositio





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

WellID	HSU	Event I D	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	А3	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	А3	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	А3	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

NEWTON, IL	_											
WellID	HSU	Event I D	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	А3	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	А3	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	А3	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	А3	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

PRIMARY AS NEWTON, IL		)										
WellID	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	А3	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	А3	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	А3	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

INL VVI OIN, IL	-											
WellID	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	А3	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	А3	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	А3	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	А3	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

INL VVI OIN, II												
WellID	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	АЗ	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	А3	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	АЗ	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	А3	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	А3	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

NEWTON, IL	_											
WellID	HSU	EventID	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	А3	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

NEVVION, 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	А3	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	А3	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	А3	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	А3	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	А3	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

NEWTON, IL	-											
WellID	HSU	Event I D	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

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WellID	HSU	Event I D	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	А3	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	А3	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	А3	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	А3	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	А3	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

NEWTON, IL	-											
WellID	HSU	Event I D	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	А3	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

INE VVI OIN, II	-											
WellID	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	А3	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	А3	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	А3	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	А3	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	А3	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
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

INL VVI OIN, IL	-											
WellID	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	А3	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	А3	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	А3	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	А3	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

INL VVI OIN, IL	-											
WellID	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	А3	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	А3	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	А3	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	А3	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	А3	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

INL VVI OIN, IL	-											
WellID	HSU	Event I D	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

WellID	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	А3	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	А3	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	А3	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	А3	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	А3	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

NEWTON, IL	_											
WellID	HSU	EventID	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	А3	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

NEWTON, II	_											
WellID	HSU	Event I D	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	А3	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	А3	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	А3	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

NEWTON, IL												
WellID	HSU	Event I D	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	АЗ	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	А3	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	А3	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	А3	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

INEVVION, IL												
WellID	HSU	Event I D	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	А3	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	А3	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	А3	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	А3	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	А3	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

NEWTON, IL												
WellID	HSU	EventID	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	А3	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	А3	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	А3	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

NEWTON, II	-											
WellID	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	А3	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	А3	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

INEVVION, IL	-											
WellID	HSU	Event I D	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	А3	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	А3	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

INL VVI OIN, IL	-											
WellID	HSU	EventID	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	А3	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	А3	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	А3	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	А3	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	А3	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

INL VVI OIN, II												
WellID	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	А3	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

NEWTON, IL												
WellID	HSU	Event I D	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	А3	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	А3	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	А3	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	А3	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	А3	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

NEWTON, IL												
WellID	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	АЗ	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	А3	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	А3	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	А3	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

NEWTON, IL												
WellID	HSU	Event I D	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	А3	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	А3	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	А3	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	А3	Mercury, total	mg/L	02/18/21 - 01/16/24	13	84	CI around median	0.000200	0.002	MCL/HBL	No Exceedance





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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

NEWTON, II	_											
WellID	HSU	Event I D	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	А3	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	А3	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	А3	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	А3	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

WellID	HSU	Event I D	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	А3	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	А3	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	А3	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	А3	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	А3	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. II

NEWTON, II								<u> </u>				
WellID	HSU	Event I D	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	А3	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	А3	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	А3	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

NEWTON, II	_											
WellID	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	А3	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	А3	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	А3	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	А3	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	А3	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

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HSU	EventID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
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
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
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
UD	A2D	Thallium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.002	0.00250	Background	No Exceedance
UD	A2DR	Thallium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.002	0.00250	Background	No Exceedance
UD	А3	Thallium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.002	0.00250	Background	No Exceedance
UD	A3R	Thallium, total	mg/L	02/17/21 - 04/04/24	14	100	All ND - Last	0.002	0.00250	Background	No Exceedance
UD	A3D	Thallium, total	mg/L	02/17/21 - 07/02/24	15	100	All ND - Last	0.002	0.00250	Background	No Exceedance
UD	A3DR	Thallium, total	mg/L	02/17/21 - 10/01/24	16	100	All ND - Last	0.002	0.00250	Background	No Exceedance
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
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
UA	А3	Antimony, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
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
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
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
UA	A2D	Arsenic, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	0.00331	0.0274	Background	No Exceedance
UA	A2DR	Arsenic, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	0.00341	0.0274	Background	No Exceedance
UA	А3	Arsenic, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	0.00340	0.0274	Background	No Exceedance
UA	A3R	Arsenic, total	mg/L	02/22/21 - 04/08/24	14	0	CI around mean	0.00357	0.0274	Background	No Exceedance
UA	A3D	Arsenic, total	mg/L	02/22/21 - 07/02/24	15	0	CI around mean	0.00374	0.0274	Background	No Exceedance
UA	A3DR	Arsenic, total	mg/L	02/22/21 - 10/01/24	16	0	CI around mean	0.00382	0.0274	Background	No Exceedance
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
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
UA	А3	Barium, total	mg/L	02/22/21 - 01/17/24	13	0	CI around median	0.0500	2.0	MCL/HBL	No Exceedance
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
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
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
	UD UD UD UD UD UD UD UD UA	UD       A3R         UD       A3DR         UD       A2D         UD       A2DR         UD       A3R         UD       A3R         UD       A3DR         UD       A3DR         UD       A3DR         UA       A2DR         UA       A3DR         UA       A3DR         UA       A3DR         UA       A2DR         UA       A2DR         UA       A3DR         UA       A3DR </td <td>UD A3R Selenium, total  UD A3D Selenium, total  UD A3DR Selenium, total  UD A2D Thallium, total  UD A2DR Thallium, total  UD A3 Thallium, total  UD A3R Thallium, total  UD A3R Thallium, total  UD A3D Thallium, total  UD A3DR Thallium, total  UD A3DR Thallium, total  UD A3DR Thallium, total  UA A2D Antimony, total  UA A2DR Antimony, total  UA A3R Antimony, total  UA A3D Antimony, total  UA A3D Antimony, total  UA A3D Arsenic, total  UA A2DR Arsenic, total  UA A3R Arsenic, total  UA A3R Arsenic, total  UA A3D Arsenic, total  UA A3DR Arsenic, total  UA A3DR Arsenic, total  UA A3DR Barium, total</td> <td>UD A3R Selenium, total mg/L UD A3D Selenium, total mg/L UD A3DR Selenium, total mg/L UD A2D Thallium, total mg/L UD A2DR Thallium, total mg/L UD A3 Thallium, total mg/L UD A3R Thallium, total mg/L UD A3R Thallium, total mg/L UD A3R Thallium, total mg/L UD A3DR Thallium, total mg/L UD A3DR Thallium, total mg/L UD A3DR Thallium, total mg/L UA A2D Antimony, total mg/L UA A2DR Antimony, total mg/L UA A3R Antimony, total mg/L UA A3R Antimony, total mg/L UA A3DR Arsenic, total mg/L UA A3DR Barium, total mg/L UA A3R Barium, total mg/L UA A3R Barium, total mg/L UA A3R Barium, total mg/L</td> <td>UD         A3R         Selenium, total         mg/L         02/17/21 - 04/04/24           UD         A3D         Selenium, total         mg/L         02/17/21 - 07/02/24           UD         A3DR         Selenium, total         mg/L         02/17/21 - 10/01/24           UD         A2D         Thallium, total         mg/L         02/17/21 - 07/24/23           UD         A2DR         Thallium, total         mg/L         02/17/21 - 01/16/24           UD         A3B         Thallium, total         mg/L         02/17/21 - 04/04/24           UD         A3R         Thallium, total         mg/L         02/17/21 - 04/04/24           UD         A3D         Thallium, total         mg/L         02/17/21 - 04/04/24           UD         A3D         Thallium, total         mg/L         02/17/21 - 04/04/24           UD         A3DR         Thallium, total         mg/L         02/17/21 - 07/02/24           UA         A2D         Antimony, total         mg/L         02/21/21 - 07/31/23           UA         A2DR         Antimony, total         mg/L         02/22/21 - 04/08/24           UA         A3D         Antimony, total         mg/L         02/22/21 - 07/02/24           UA         A3DR         A</td> <td>  Decoration</td> <td>  UD</td> <td>  March   Marc</td> <td>  UD   A3R   Selentum, total   mg/L   02/17/21 - 04/04/24   14   100   AI ND - Liast   0.001    </td> <td>  100   All No   Selection total   mg/s   1071 / 171 - 0478/274   16   100   All NO   Lest   0.001   0.056    </td> <td>  Month   Mont</td>	UD A3R Selenium, total  UD A3D Selenium, total  UD A3DR Selenium, total  UD A2D Thallium, total  UD A2DR Thallium, total  UD A3 Thallium, total  UD A3R Thallium, total  UD A3R Thallium, total  UD A3D Thallium, total  UD A3DR Thallium, total  UD A3DR Thallium, total  UD A3DR Thallium, total  UA A2D Antimony, total  UA A2DR Antimony, total  UA A3R Antimony, total  UA A3D Antimony, total  UA A3D Antimony, total  UA A3D Arsenic, total  UA A2DR Arsenic, total  UA A3R Arsenic, total  UA A3R Arsenic, total  UA A3D Arsenic, total  UA A3DR Arsenic, total  UA A3DR Arsenic, total  UA A3DR Barium, total	UD A3R Selenium, total mg/L UD A3D Selenium, total mg/L UD A3DR Selenium, total mg/L UD A2D Thallium, total mg/L UD A2DR Thallium, total mg/L UD A3 Thallium, total mg/L UD A3R Thallium, total mg/L UD A3R Thallium, total mg/L UD A3R Thallium, total mg/L UD A3DR Thallium, total mg/L UD A3DR Thallium, total mg/L UD A3DR Thallium, total mg/L UA A2D Antimony, total mg/L UA A2DR Antimony, total mg/L UA A3R Antimony, total mg/L UA A3R Antimony, total mg/L UA A3DR Arsenic, total mg/L UA A3DR Barium, total mg/L UA A3R Barium, total mg/L UA A3R Barium, total mg/L UA A3R Barium, total mg/L	UD         A3R         Selenium, total         mg/L         02/17/21 - 04/04/24           UD         A3D         Selenium, total         mg/L         02/17/21 - 07/02/24           UD         A3DR         Selenium, total         mg/L         02/17/21 - 10/01/24           UD         A2D         Thallium, total         mg/L         02/17/21 - 07/24/23           UD         A2DR         Thallium, total         mg/L         02/17/21 - 01/16/24           UD         A3B         Thallium, total         mg/L         02/17/21 - 04/04/24           UD         A3R         Thallium, total         mg/L         02/17/21 - 04/04/24           UD         A3D         Thallium, total         mg/L         02/17/21 - 04/04/24           UD         A3D         Thallium, total         mg/L         02/17/21 - 04/04/24           UD         A3DR         Thallium, total         mg/L         02/17/21 - 07/02/24           UA         A2D         Antimony, total         mg/L         02/21/21 - 07/31/23           UA         A2DR         Antimony, total         mg/L         02/22/21 - 04/08/24           UA         A3D         Antimony, total         mg/L         02/22/21 - 07/02/24           UA         A3DR         A	Decoration	UD	March   Marc	UD   A3R   Selentum, total   mg/L   02/17/21 - 04/04/24   14   100   AI ND - Liast   0.001	100   All No   Selection total   mg/s   1071 / 171 - 0478/274   16   100   All NO   Lest   0.001   0.056	Month   Mont





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

PRIMARY AS NEWTON, IL		J										
WellID	HSU	EventID	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	А3	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	А3	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	А3	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	А3	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

NEWTON, IL	-											
WellID	HSU	EventID	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	А3	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

NEWTON, II	_											
WellID	HSU	Event I D	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	А3	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	А3	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	А3	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	А3	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

NEWTON, I	L											
WellID	HSU	Event I D	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	А3	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	А3	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	А3	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

PRIMARY AS NEWTON, I		)										
WellID	HSU	Event I D	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	А3	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	А3	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	А3	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	А3	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	А3	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

A WITE   UA   ASID   Mercury, total   mgh   00/20/21 - 09/07/24   15   100   Al No - Last   0.0002   0.002   MCUMBL   No Excelerator   A WITE   UA   ASID   Mercury, total   mgh   00/20/21 - 07/07/24   16   100   Al No - Last   0.0002   0.002   MCUMBL   No Excelerator   A WITE   UA   ASID   Melyberum, total   mgh   00/20/21 - 07/07/24   17   0   U   Garcount Insering   -0.0009/4   0.1   MCUMBL   No Excelerator   A WITE   UA   ASID   Melyberum, total   mgh   00/20/21 - 07/07/24   17   0   U   Garcount Insering   -0.0009/4   0.1   MCUMBL   No Excelerator   A WITE   UA   ASID   Melyberum, total   mgh   00/20/21 - 07/07/24   17   0   U   Garcount Insering   -0.0009/4   0.1   MCUMBL   No Excelerator   A WITE   UA   ASID   Melyberum, total   mgh   00/20/21 - 07/07/24   18   0   U   Garcount Insering   -0.0009/4   0.1   MCUMBL   No Excelerator   A WITE   UA   ASID   Melyberum, total   mgh   00/20/21 - 07/07/24   14   0   U   Garcount Insering   -0.0009/6   0.1   MCUMBL   No Excelerator   A WITE   UA   ASID   Melyberum, total   mgh   00/20/21 - 07/07/24   14   0   U   Garcount Insering   -0.0009/6   0.1   MCUMBL   No Excelerator   A WITE   UA   ASID   Melyberum, total   mgh   00/20/21 - 07/07/24   14   0   U   Garcount Insering   0.410   0.0009/6   0.1   MCUMBL   No Excelerator   A WITE   UA   ASID   Melyberum, total   mgh   00/20/21 - 07/07/24   15   0   U   Garcount Insering   0.410   5   MCUMBL   No Excelerator   A WITE   UA   ASID   Melyberum, total   mgh   00/20/21 - 07/07/24   15   0   U   Garcount Insering   0.410   5   MCUMBL   No Excelerator   A WITE   UA   ASID   Melyberum, total   p0/1 00/20/21 - 07/07/24   15   0   U   Garcount Insering   0.410   5   MCUMBL   No Excelerator   A WITE   UA   ASID   Melyberum, total   p0/1 00/20/21 - 07/07/24   15   0   U   Garcount Insering   0.410   5   MCUMBL   No Excelerator   A WITE   UA   A SID   MCUMBL   D WITE   MCUMBL   D WIT	NEWTON, IL	=											
A-WY14   UA   A3D   Mercury, total   mgt   02/22/21 - 00/27/24   15   100   A1 ND - Last   0.0002   0.002   MCL/TIBL   No Excelerate   A-WY14   UA   A3D   Mercury, total   mgt   02/22/21 - 10/10/23   10   0.0004   0.0	WellID	HSU	Event I D	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APPY14   UA   ASSIST   Mercury total   mg/L   02/22/31 - 10/07/24   16   100   Al NO - Last   0.002   0.002   MoL/FeL   No Exceedance   APPY14   UA   APPY   Middle-town, four   mg/L   02/22/31 - 10/07/25   11   0   0.00000000000000000000000000	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
APPRILED   APPRILED   APPRILED   Multiplatorium (total mg/L 02/22/21 - 07/31/23   10   0   0   0   0   0   0   0   0	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
ARVI14   UA   A203   Molysdomin Ibial   mg/L   07/22/21 - 10/10/23   11   0   CB anound historing   -0.000/24   0.1   MCL/HBL   No Exceedance   ARVI14   UA   A3   Molysdomin Ibial   mg/L   0.07/27/21 - 03/17/74   13   0   CB anound hearing   0.0000678   0.1   MCL/HBL   No Exceedance   ARVI14   UA   A30   Molysdomin Ibial   mg/L   0.07/27/21 - 03/17/74   13   0   CB anound Tis line   -0.02/39   0.1   MCL/HBL   No Exceedance   ARVI14   UA   A30   Molysdomin Ibial   mg/L   0.07/27/21 - 03/17/74   14   0   CB anound Tis line   -0.02/39   0.1   MCL/HBL   No Exceedance   ARVI14   UA   A30   Molysdomin Ibial   mg/L   0.07/27/21 - 03/17/74   15   0   CB anound Tis line   -0.02/39   0.1   MCL/HBL   No Exceedance   ARVI14   UA   A20   Redum 226   Redum 228   total   SO/L   0.07/27/21 - 10/17/74   15   0   CB anound Tis line   -0.02/39   0.1   MCL/HBL   No Exceedance   ARVI14   UA   A20   Redum 226   Redum 228   total   SO/L   0.07/27/21 - 10/17/74   12   0   CB anound mean   0.451   5   MCL/HBL   No Exceedance   ARVI14   UA   A3   Redum 226   Redum 228   total   SO/L   0.07/27/21 - 10/17/74   12   0   CB anound mean   0.451   5   MCL/HBL   No Exceedance   ARVI14   UA   A3   Redum 226   Redum 228   total   SO/L   0.07/27/21 - 10/17/74   12   0   CB anound mean   0.457   5   MCL/HBL   No Exceedance   ARVI14   UA   A3   Redum 226   Redum 228   total   SO/L   0.07/27/21 - 10/17/74   12   0   CB anound mean   0.457   5   MCL/HBL   No Exceedance   ARVI14   UA   A3   Redum 226   Redum 228   total   SO/L   0.07/27/21 - 10/17/74   12   0   CB anound mean   0.457   5   MCL/HBL   No Exceedance   ARVI14   UA   A3   Redum 226   Redum 228   total   SO/L   0.07/27/21 - 10/17/74   13   0   CB anound mean   0.457   5   MCL/HBL   No Exceedance   ARVI14   UA   A3   Sedenum 26   Redum 278   total   SO/L   0.07/27/21 - 10/17/74   14   0   CB anound mean   0.457   5   MCL/HBL   No Exceedance   ARVI14   UA   A3   Sedenum 26   Redum 278   total   SO/L   0.07/27/21 - 10/17/74   15   10   CB anound mean   0.457   5   MCL/HBL   No Exceedance   A	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
A-W14   UA   A3   Melyedonum, total   mg/c   02/27/21   01/17/24   12   D   Cit anound linearing   0.0000678   D.1   Mci Alli   No Excessiona   A/W14   UA   A3R   Melyedonum, total   mg/c   02/27/21   04/04/24   13   D   OB around T-S line   -0.0339   D.1   Mci Alli   No Excessiona   A/W14   UA   A39   Melyedonum, total   mg/c   02/27/21   10/01/24   14   D   Cit around Inseline   -0.0339   D.1   Mci Alli   No Excessiona   A/W14   UA   A39   Melyedonum, total   mg/c   02/27/21   10/01/24   15   D   Cit around T-S line   -0.0246   D.1   Mci Alli   No Excessiona   A/W14   UA   A39   Melyedonum, total   mg/c   02/27/21   10/01/24   15   D   Cit around T-S line   -0.0246   D.1   Mci Alli   No Excessiona   A/W14   UA   A20R   Radium 226 - Radium 226, Estal   pC/c   02/22/21   10/10/23   11   D   Cit around mosin   0.431   5   Mci Alli   No Excessiona   A/W14   UA   A3   Radium 226 - Radium 226, Estal   pC/c   02/22/21   10/10/23   11   D   Cit around mosin   0.447   5   Mci Alli   No Excessiona   A/W14   UA   A3   Radium 226 - Radium 226, Estal   pC/c   02/22/21   10/10/23   11   D   Cit around mosin   0.447   5   Mci Alli   No Excessiona   A/W14   UA   A3   Radium 226 - Radium 226, Estal   pC/c   02/22/21   10/10/23   13   D   Cit around mosin   0.447   S   Mci Alli   No Excessiona   A/W14   UA   A3   Radium 226 - Radium 226, Estal   pC/c   02/22/21   10/10/24   13   D   Cit around mosin   0.447   S   Mci Alli   No Excessiona   A/W14   UA   A3   Radium 226, Estal   pC/c   02/22/21   10/10/24   13   D   Cit around mosin   0.447   S   Mci Alli   No Excessiona   A/W14   UA   A3   Radium 226   Radium 226, Estal   pC/c   02/22/21   10/10/24   13   D   Cit around mosin   0.447   S   Mci Alli   No Excessiona   A/W14   UA   A3   Selenum, total   mg/c   02/22/21   10/10/23   11   10   All ND - Lest   0.001   0.05   Mci Alli   No Excessiona   A/W14   UA   A3   Selenum, total   mg/c   02/22/21   10/10/23   11   10   All ND - Lest   0.001   0.05   Mci Alli   No Excessiona   A/W14   UA   A3   Selenum, total   mg/c   02/22/21	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   A3R   Molycdonum total   mg/L   C2/22/21 - C4/04/24   13   0   GB around T-S line   -0.0239   0.1   MCL/HBL   No Exceedance   APW14   UA   A3D   Molycdonum total   mg/L   C2/22/21 - C9/07/24   14   0   CD around 1-S line   -0.0279   0.1   MCL/HBL   No Exceedance   APW14   UA   A3D   Molycdonum total   mg/L   C2/22/21 - 10/07/24   15   0   CB around T-S line   -0.0276   0.1   MCL/HBL   No Exceedance   APW14   UA   A3D   Radium 224   Radium 225   Intal   pC/J   C7/27/27   10   0   CD around mean   D.410   5   MCJ/HBL   No Exceedance   APW14   UA   A3D   APPLA   Addium 224   Radium 225   Intal   pC/J   C7/27/27   10/10/23   11   0   CD around mean   D.43D   5   MCJ/HBL   No Exceedance   APW14   UA   A3   Radium 224   Radium 225   Intal   pC/J   C2/22/21 - C1/17/24   12   0   CD around mean   D.446   5   MCJ/HBL   No Exceedance   APW14   UA   A3D   Radium 226   Radium 226   Intal   pC/J   C2/22/21 - C1/17/24   14   0   CD around mean   D.446   5   MCJ/HBL   No Exceedance   APW14   UA   A3D   Radium 226   Radium 226   Intal   pC/J   C2/22/21 - C3/07/24   14   0   CD around mean   D.446   5   MCJ/HBL   No Exceedance   APW14   UA   A3D   Radium 226   Radium 226   Intal   pC/J   C2/22/21 - C3/07/24   14   0   CD around mean   D.446   5   MCJ/HBL   No Exceedance   APW14   UA   A3D   Scientium total   mg/L   C2/22/21 - C3/07/23   11   100   All ND - Last   D.001   D.05   MCJ/HBL   No Exceedance   APW14   UA   A3D   Scientium total   mg/L   C2/22/21 - C3/07/23   11   100   All ND - Last   D.001   D.05   MCJ/HBL   No Exceedance   APW14   UA   A3D   Scientium total   mg/L   C2/22/21 - C3/07/24   15   D.00   All ND - Last   D.001   D.05   MCJ/HBL   No Exceedance   APW14   UA   A3D   Scientium total   mg/L   C2/22/21 - C3/07/24   15   D.00   All ND - Last   D.001   D.05   MCJ/HBL   No Exceedance   APW14   UA   A3D   Scientium total   mg/L   C2/22/21 - C3/07/24   15   D.00   All ND - Last   D.001   D.05   MCJ/HBL   No Exceedance   APW14   UA   A3D   Scientium total   mg/L   C2/22/21 - C3/07/24   15   D.00   All	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   A3D   Molyederum, total   mg/L   07/27/21   08/07/24   14   0   01   07/27/21   08/07/24   15   0   03   07/27/21   08/07/24   15   0   03   03   03   03   03   03   03	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
A-WH4   UA   A3UN   Molybonum total   mg/L   02/22/21 - 10/01/24   15   0   CB around I-S lino   -0.0296   0.1   MCL/HBL   No Exceedance   A-WH4   UA   A2D   Radium 226 - Radium 228, total   pC/L   02/22/21 - 10/10/23   11   0   CI around mean   0.410   5   MCL/HBL   No Exceedance   A-WH4   UA   A2D   Radium 226 - Radium 228, total   pC/L   02/22/21 - 10/10/23   11   0   CI around mean   0.477   5   MCL/HBL   No Exceedance   A-WH4   UA   A3   Radium 226 - Radium 228, total   pC/L   02/22/21 - 01/17/24   12   0   CI around mean   0.477   5   MCL/HBL   No Exceedance   A-WH4   UA   A3   Radium 226 - Radium 228, total   pC/L   02/22/21 - 04/04/24   13   0   CI around mean   0.447   5   MCL/HBL   No Exceedance   A-WH4   UA   A3   Radium 226 - Radium 228, total   pC/L   02/22/21 - 04/04/24   13   0   CI around mean   0.467   5   MCL/HBL   No Exceedance   A-WH4   UA   A3   Radium 226 - Radium 228, total   pC/L   02/22/21 - 04/04/24   14   0   CI around mean   0.467   5   MCL/HBL   No Exceedance   A-WH4   UA   A3   Radium 226 - Radium 228, total   pC/L   02/22/21 - 07/07/24   15   0   CI around mean   0.467   5   MCL/HBL   No Exceedance   A-WH4   UA   A3   Radium 226 - Radium 228, total   pC/L   02/22/21 - 07/07/24   15   0   CI around mean   0.467   5   MCL/HBL   No Exceedance   A-WH4   UA   A3   Radium 226 - Radium 228, total   pC/L   02/22/21 - 07/07/24   15   0   CI around mean   0.467   5   MCL/HBL   No Exceedance   A-WH4   UA   A3   Selenium, total   mg/L   02/22/21 - 07/07/24   15   100   AII ND - Lest   0.001   0.05   MCL/HBL   No Exceedance   A-WH4   UA   A3   Selenium, total   mg/L   02/22/21 - 07/07/24   13   100   AII ND - Lest   0.001   0.05   MCL/HBL   No Exceedance   A-WH4   UA   A3   Selenium, total   mg/L   02/22/21 - 07/07/24   15   93   Most recent sample   0.0010   0.05   MCL/HBL   No Exceedance   A-WH4   UA   A3   Selenium, total   mg/L   02/22/21 - 07/07/24   15   93   Most recent sample   0.00100   0.05   MCL/HBL   No Exceedance   A-WH4   UA   A3   Selenium, total   mg/L   02/22/21 - 07/07/24	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 A2D Radium 226 + Radium 228 total pC/L 02/22/21 - 07/31/23 10 0 Cl around mean 0.410 5 MCL/1BL No Exceedance APW14 UA A2DR Radium 226 + Radium 228 total pC/L 02/22/21 - 10/10/23 11 0 Cl around mean 0.431 5 MCL/1BL No Exceedance APW14 UA A3R Radium 226 + Radium 228, total pC/L 02/22/21 - 01/17/24 12 0 Cl around mean 0.446 5 MCL/1BL No Exceedance APW14 UA A3R Radium 226 + Radium 228 total pC/L 02/22/21 - 04/04/24 13 0 Cl around mean 0.446 5 MCL/1BL No Exceedance APW14 UA A3D Radium 226 + Radium 228 total pC/L 02/22/21 - 04/04/24 14 0 Cl around mean 0.446 5 MCL/1BL No Exceedance APW14 UA A3DR Radium 226 + Radium 228 total pC/L 02/22/21 - 04/04/24 15 0 Cl around mean 0.446 5 MCL/1BL No Exceedance APW14 UA A2D Selenium, total mg/L 02/22/21 - 07/31/23 11 100 AII ND - Last 0.001 0.05 MCL/HBL No Exceedance APW14 UA A2DR Selenium, total mg/L 02/22/21 - 07/31/23 12 100 AII 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 AII 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 AII 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 AII 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 AII 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 AII ND - Last 0.001 0.05 MCL/HBL No Exceedance APW14 UA A3D Scienium, total mg/L 02/22/21 - 04/04/24 14 100 AII ND - Last 0.001 0.05 MCL/HBL No Exceedance APW14 UA A3D Scienium, total mg/L 02/22/21 - 04/04/24 14 100 AII ND - Last 0.001 0.05 MCL/HBL No Exceedance APW14 UA A3D Thailium, total mg/L 02/22/21 - 04/04/24 14 100 AII ND - Last 0.001 0.05 MCL/HBL No Exceedance APW14 UA A3D Thailium, total mg/L 02/22/21 - 04/04/24 14 100 AII ND - Last 0.002 0.0050 Background No Exceedance APW14 UA A3D Thailium, total mg/L 02/22/21 - 04/04/24 14 100 AII ND - Last 0.002 0.0050 Background No Exceedance APW14 UA A3D Thailium, total mg/L	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 A2DR Radium 226 + Radium 228 total pCI/L 02/22/21 - 10/10/23 11 0 Cl around mean 0.431 5 MCL/HBL No Exceedance APW14 UA A3R Radium 226 + Radium 228 total pCI/L 02/22/21 - 04/04/24 13 0 Cl around mean 0.446 5 MCL/HBL No Exceedance APW14 UA A3R Radium 226 + Radium 228 total pCI/L 02/22/21 - 04/04/24 13 0 Cl around mean 0.446 5 MCL/HBL No Exceedance APW14 UA A3DR Radium 226 + Radium 228 total pCI/L 02/22/21 - 08/07/24 14 0 Cl 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 Cl 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 Cl around mean 0.467 5 MCL/HBL No Exceedance APW14 UA A3DR Scienium, total mg/L 02/22/21 - 07/31/23 11 100 AII ND - Last 0.001 0.05 MCL/HBL No Exceedance APW14 UA A3DR Scienium, total mg/L 02/22/21 - 01/11/24 13 100 AII ND - Last 0.001 0.05 MCL/HBL No Exceedance APW14 UA A3R Scienium, total mg/L 02/22/21 - 01/11/24 13 100 AII ND - Last 0.001 0.05 MCL/HBL No Exceedance APW14 UA A3R Scienium, total mg/L 02/22/21 - 01/11/24 14 100 AII ND - Last 0.001 0.05 MCL/HBL No Exceedance APW14 UA A3D Scienium, total mg/L 02/22/21 - 04/04/24 14 100 AII ND - Last 0.001 0.05 MCL/HBL No Exceedance APW14 UA A3D Scienium, total mg/L 02/22/21 - 04/04/24 16 93 Mest recent sample 0.00100 0.05 MCL/HBL No Exceedance APW14 UA A3D Scienium, total mg/L 02/22/21 - 07/31/23 11 100 AII ND - Last 0.002 0.00260 Background No Exceedance APW14 UA A3D Thaillum total mg/L 02/22/21 - 07/31/23 11 100 AII ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3R Thaillum total mg/L 02/22/21 - 07/31/24 13 100 AII ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3R Thaillum total mg/L 02/22/21 - 07/31/24 13 100 AII ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3R Thaillum total mg/L 02/22/21 - 07/31/24 13 100 AII ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3R Thaillum total mg/L 02/22/21 - 07/31/24 13 100 AII ND - Last 0.002 0.00250 Background No Exce	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 A3 Radium 226 + Radium 228, total pC/L 02/22/21 - 01/17/24 12 0 Cl around mean 0.477 5 MCL/HBL No Exceedance APW14 UA A3R Radium 226 + Radium 228 total pC/L 02/22/21 - 04/04/24 13 0 Cl around mean 0.446 5 MCL/HBL No Exceedance APW14 UA A3D Radium 226 + Radium 228 total pC/L 02/22/21 - 08/07/24 14 0 Cl around mean 0.467 5 MCL/HBL No Exceedance APW14 UA A3DR Radium 226 + Radium 228, total pC/L 02/22/21 - 10/01/24 15 0 Cl around mean 0.499 5 MCL/HBL No Exceedance APW14 UA A2D Scienium, 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 Scienium, total mg/L 02/22/21 - 04/04/24 14 100 All ND - Last 0.001 0.05 MCL/HBL No Exceedance APW14 UA A3DR Scienium, total mg/L 02/22/21 - 08/07/24 15 93 Most recent sample 0.0010 0.05 MCL/HBL No Exceedance APW14 UA A3DR Scienium, total mg/L 02/22/21 - 08/07/24 15 93 Most recent sample 0.0010 0.05 MCL/HBL No Exceedance APW14 UA A3DR Scienium, 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 Scienium, total mg/L 02/22/21 - 08/07/24 16 93 Most recent sample 0.00100 0.05 MCL/HBL No Exceedance APW14 UA A3DR Thallium, total mg/L 02/22/21 - 10/10/23 12 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3DR Thallium, total mg/L 02/22/21 - 10/10/23 12 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3R Thallium, total mg/L 02/22/21 - 10/10/24 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 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 A3R Thallium, total mg/L 02/22/21 - 04/04/24 14 100 All ND - Last 0.002 0.00250 Background No Exceeda	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
AFW14 UA A3R Radium 226 + Radium 228, total pCI/L 02/22/21 - 04/04/24 13 0 Cl around mean 0.446 5 MCL/HBL No Exceedance AFW14 UA A3D Radium 226 + Radium 228, total pCI/L 02/22/21 - 08/07/24 14 0 Cl around mean 0.467 5 MCL/HBL No Exceedance AFW14 UA A3D Radium 226 + Radium 228, total pCI/L 02/22/21 - 08/07/24 15 0 Cl around mean 0.467 5 MCL/HBL No Exceedance AFW14 UA A3D Selenium, total mg/L 02/22/21 - 10/10/23 11 100 All ND - Last 0.001 0.05 MCL/HBL No Exceedance AFW14 UA A3D Selenium, total mg/L 02/22/21 - 10/10/23 12 100 All ND - Last 0.001 0.05 MCL/HBL No Exceedance AFW14 UA A3R Scienium, total mg/L 02/22/21 - 01/17/24 13 100 All ND - Last 0.001 0.05 MCL/HBL No Exceedance AFW14 UA A3D Selenium, total mg/L 02/22/21 - 04/04/24 14 100 All ND - Last 0.001 0.05 MCL/HBL No Exceedance AFW14 UA A3D Selenium, total mg/L 02/22/21 - 04/04/24 14 100 All ND - Last 0.001 0.05 MCL/HBL No Exceedance AFW14 UA A3D Selenium, total mg/L 02/22/21 - 04/04/24 16 93 Most recent sample 0.00100 0.05 MCL/HBL No Exceedance AFW14 UA A3D Selenium, total mg/L 02/22/21 - 10/10/23 11 100 All ND - Last 0.001 0.05 MCL/HBL No Exceedance AFW14 UA A2D Thallium, total mg/L 02/22/21 - 07/31/23 11 100 All ND - Last 0.002 0.00250 Background No Exceedance AFW14 UA A3D Thallium, total mg/L 02/22/21 - 07/31/23 11 100 All ND - Last 0.002 0.00250 Background No Exceedance AFW14 UA A3R Thallium, total mg/L 02/22/21 - 07/31/24 13 100 All ND - Last 0.002 0.00250 Background No Exceedance AFW14 UA A3R Thallium, total mg/L 02/22/21 - 07/31/24 13 100 All ND - Last 0.002 0.00250 Background No Exceedance AFW14 UA A3R Thallium, total mg/L 02/22/21 - 01/10/24 14 100 All ND - Last 0.002 0.00250 Background No Exceedance AFW14 UA A3R Thallium, total mg/L 02/22/21 - 01/10/24 15 100 All ND - Last 0.002 0.00250 Background No Exceedance AFW14 UA A3R Thallium, total mg/L 02/22/21 - 01/10/24 15 100 All ND - Last 0.002 0.00250 Background No Exceedance AFW14 UA A3R Thallium, total mg/L 02/22/21 - 01/10/24 15 100 All ND - Last 0.002 0.00250 Background No Exceedance AFW14 UA A3B	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 A3D Radium 226 + Radium 228, total pCi/L 02/22/21 - 08/07/24 14 0 Cl 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 Cl around mean 0.499 5 MCL/HBL No Exceedance APW14 UA A2DR Scienium, total mg/L 02/22/21 - 10/10/23 11 100 All ND - Last 0.001 0.05 MCL/HBL No Exceedance APW14 UA A3 Scienium, total mg/L 02/22/21 - 10/10/23 12 100 All ND - Last 0.001 0.05 MCL/HBL No Exceedance APW14 UA A3R Scienium, total mg/L 02/22/21 - 10/10/24 13 100 All ND - Last 0.001 0.05 MCL/HBL No Exceedance APW14 UA A3R Scienium, 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 Scienium, total mg/L 02/22/21 - 08/07/24 15 93 Most recent sample 0.0010 0.05 MCL/HBL No Exceedance APW14 UA A3D Scienium, total mg/L 02/22/21 - 10/01/24 16 93 Most recent sample 0.0010 0.05 MCL/HBL No Exceedance APW14 UA A3D Scienium, total mg/L 02/22/21 - 10/01/24 16 93 Most recent sample 0.0010 0.05 MCL/HBL No Exceedance APW14 UA A2D Thallium, total mg/L 02/22/21 - 10/01/23 11 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A2D Thallium, total mg/L 02/22/21 - 10/11/23 12 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3R Itallium, total mg/L 02/22/21 - 10/11/24 13 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3R Itallium, total mg/L 02/22/21 - 10/11/24 13 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3R Itallium, total mg/L 02/22/21 - 10/11/24 13 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3D Thallium, total mg/L 02/22/21 - 10/11/24 13 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3D Thallium, total mg/L 02/22/21 - 10/11/24 13 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3D Thallium, total mg/L 02/22/21 - 10/11/24 13 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3D Thallium, total mg/L 02/22/21 - 10/11/24 14 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA	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 A3DR Radium 226 + Radium 228, total pCl/L 02/22/21 - 10/01/24 15 0 Cl around mean 0.499 5 MCL/HBL No Exceedance APW14 UA A2D Sclenium, total mg/L 02/22/21 - 10/10/23 11 100 All ND - Last 0.001 0.05 MCL/HBL No Exceedance APW14 UA A3DR 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 A3R 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 A3D 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 0.0010 0.05 MCL/HBL No Exceedance APW14 UA A3DR Selenium, total mg/L 02/22/21 - 10/10/24 16 93 Most recent sample 0.0010 0.05 MCL/HBL No Exceedance APW14 UA A2DR 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 A3DR Thallium, total mg/L 02/22/21 - 10/17/24 13 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3R Inhallium, total mg/L 02/22/21 - 01/17/24 13 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3R Inhallium, total mg/L 02/22/21 - 01/17/24 13 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3R Inhallium, total mg/L 02/22/21 - 04/04/24 14 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3R Inhallium, 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 - 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 - 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 - 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 - 04/04/24 14 100 All ND - Last 0.002 0.00250 Background No Exceedance APW1	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 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 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 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 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 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 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 A3R Thallium, total mg/L 02/22/21 - 04/04/24 15 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3D Thallium, total mg/L 02/22/21 - 04/04/24 15 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3D Thallium, total mg/L 02/22/21 - 04/04/24 15 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3D Thallium, total mg/L 02/22/21 - 04/04/24 15 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3D Thallium, total mg/L 02/22/21 - 04/04/24 15 100 All ND - Last 0.002 0.00250 Background 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 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 - 10/10/24 16 93 Most recent sample 0.00100 0.05 MCL/HBL No Exceedance APW14 UA A2DR 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 A3R 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 - 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 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 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 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 - 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 - 04/04/24 15 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3D Thallium, total mg/L 02/22/21 - 04/04/24 15 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3D Thallium, total mg/L 02/22/21 - 04/04/24 15 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3D Thallium, total mg/L 02/22/21 - 04/04/24 14 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA	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 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 A2DR 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 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 A3B Thallium, total mg/L 02/22/21 - 04/04/24 14 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3B 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 - 04/04/24 15 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3D Thallium, total mg/L 02/22/21 - 04/04/24 15 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3D Thallium, total mg/L 02/22/21 - 04/04/24 15 100 All ND - Last 0.002 0.00250 Background No Exceedance APW14 UA A3D Thallium, total mg/L 02/22/21 - 04/04/24 15 100 All ND - Last 0.002 0.00250 Background 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 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 A2DR 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 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 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 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 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	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 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 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 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 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 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	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 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 A3DR 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 - 01/17/24 14 100 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 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	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 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 - 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 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 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 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 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 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 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 A3D Thallium, total mg/L 02/22/21 - 08/07/24 15 100 All ND - Last 0.002	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 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 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 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 - 04/04/24 15 100 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 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 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 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 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 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 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 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 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 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 A3D DA	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         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	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 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	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 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	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 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	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

WellID	HSU	Event I D	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	А3	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	А3	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	А3	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	А3	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	А3	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

INL VVI OIN, IL												
WellID	HSU	Event I D	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

NEWTON, IL	-											
WellID	HSU	Event I D	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	А3	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	А3	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

NEWTON, IL												
WellID	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	А3	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	А3	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	А3	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	А3	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

NEWTON, IL												
WellID	HSU	Event I D	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	А3	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	А3	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	А3	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	А3	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	А3	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

A-9916   U.   A-3R	NEWTON, I	L											
APW16 UA A3D Fluoride, total mg/L 02/23/21 - 07/10/24 15 0 Cl eround mean 0.657 4.0 MCL/HBL No Excess APW16 UA A3DR Fluoride total mg/L 02/23/21 - 10/02/24 16 0 Cl eround mean 0.659 4.0 MCL/HBL No Excess APW16 UA A2DR Lead, total mg/L 02/23/21 - 10/10/23 11 100 A1 NO - Last 0.001 0.015 MCL/HBL No Excess APW16 UA A3DR Lead, total mg/L 02/23/21 - 10/10/23 12 100 A1 NO - Last 0.001 0.015 MCL/HBL No Excess APW16 UA A3 Lead, total mg/L 02/23/21 - 10/10/23 12 100 A1 NO - Last 0.001 0.016 MCL/HBL No Excess APW16 UA A3 Lead, total mg/L 02/23/21 - 10/10/24 13 100 AI NO - Last 0.001 0.016 MCL/HBL No Excess APW16 UA A3 Lead, total mg/L 02/23/21 - 10/10/24 14 100 AI NO - Last 0.001 0.016 MCL/HBL No Excess APW16 UA A3D Lead, total mg/L 02/23/21 - 10/10/24 15 100 AI NO - Last 0.001 0.016 MCL/HBL No Excess APW16 UA A3DR Lead, total mg/L 02/23/21 - 10/10/24 16 100 AI NO - Last 0.001 0.016 MCL/HBL No Excess APW16 UA A3DR Lead, total mg/L 02/23/21 - 10/10/24 16 100 AI NO - Last 0.001 0.016 MCL/HBL No Excess APW16 UA A3DR Lead, total mg/L 02/23/21 - 10/10/24 16 100 AI NO - Last 0.001 0.016 MCL/HBL No Excess APW16 UA A3DR Lead, total mg/L 02/23/21 - 10/10/24 16 100 AI NO - Last 0.003 0.001 0.016 MCL/HBL No Excess APW16 UA A3DR Lead, total mg/L 02/23/21 - 10/10/24 16 100 AI NO - Last 0.003 0.004 MCL/HBL No Excess APW16 UA A3DR Limitum, total mg/L 02/23/21 - 10/10/23 12 100 AI NO - Last 0.003 0.004 MCL/HBL No Excess APW16 UA A3DR Limitum, total mg/L 02/23/21 - 10/10/23 12 100 AI NO - Last 0.003 0.004 MCL/HBL No Excess APW16 UA A3DR Limitum, total mg/L 02/23/21 - 10/10/24 15 86 CB eround It-S line 0.003/40 0.004 MCL/HBL No Excess APW16 UA A3DR Limitum, total mg/L 02/23/21 - 10/10/24 15 86 CB eround It-S line 0.003/40 0.004 MCL/HBL No Excess APW16 UA A3DR Mcrury, total mg/L 02/23/21 - 10/10/23 12 100 AI NO - Last 0.0002 0.002 MCL/HBL No Excess APW16 UA A3DR Mcrury, total mg/L 02/23/21 - 10/10/24 15 100 AI NO - Last 0.0002 0.0002 MCL/HBL No Excess APW16 UA A3DR Mcrury, total mg/L 02/23/21 - 10/10/24 15 100 AI NO - Last 0.0002 0.0002 MC	WellID	HSU	Event I D	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW16 UA A3DR Flurido, total mg/L 02/23/21 - 10/02/24 16 0 Claround mon 0.659 4.0 MCL/HBL No Exceed APW16 UA A2DR Lead total mg/L 02/23/21 - 07/31/23 11 100 A1 MD - Lest 0.001 0.015 MCL/HBL No Exceed APW16 UA A2DR Lead total mg/L 02/23/21 - 07/31/24 13 100 A1 MD - Lest 0.001 0.015 MCL/HBL No Exceed APW16 UA A3DR Lead total mg/L 02/23/21 - 07/10/24 13 100 A1 MD - Lest 0.001 0.015 MCL/HBL No Exceed APW16 UA A3D Lead total mg/L 02/23/21 - 07/10/24 15 100 A1 MD - Lest 0.001 0.015 MCL/HBL No Exceed APW16 UA A3D Lead total mg/L 02/23/21 - 07/10/24 15 100 A1 MD - Lest 0.001 0.015 MCL/HBL No Exceed APW16 UA A3DD Lead total mg/L 02/23/21 - 07/10/24 16 100 A1 MD - Lest 0.001 0.015 MCL/HBL No Exceed APW16 UA A3DD Lead total mg/L 02/23/21 - 07/10/24 16 100 A1 MD - Lest 0.001 0.015 MCL/HBL No Exceed APW16 UA A3DD Lead total mg/L 02/23/21 - 07/10/24 16 100 A1 MD - Lest 0.001 0.015 MCL/HBL No Exceed APW16 UA A3DD Lead total mg/L 02/23/21 - 07/10/24 16 100 A1 MD - Lest 0.001 0.015 MCL/HBL No Exceed APW16 UA A3DD Lead total mg/L 02/23/21 - 07/10/24 16 100 A1 MD - Lest 0.003 0.04 MCL/HBL No Exceed APW16 UA A3DD Litrium, total mg/L 02/23/21 - 07/10/23 12 100 A1 MD - Lest 0.003 0.04 MCL/HBL No Exceed APW16 UA A3DD Litrium, total mg/L 02/23/21 - 07/10/24 13 92 Claround model 0.00030 0.04 MCL/HBL No Exceed APW16 UA A3D Litrium, total mg/L 02/23/21 - 07/10/24 14 95 CB around 7-5 line -0.000954 0.04 MCL/HBL No Exceed APW16 UA A3DD Litrium, total mg/L 02/23/21 - 07/10/24 14 95 CB around 7-5 line -0.000954 0.04 MCL/HBL No Exceed APW16 UA A3DD McCury, total mg/L 02/23/21 - 07/10/24 14 95 CB around 7-5 line -0.000950 0.04 MCL/HBL No Exceed APW16 UA A3DD McCury, total mg/L 02/23/21 - 07/10/24 14 95 CB around 7-5 line -0.000950 0.04 MCL/HBL No Exceed APW16 UA A3DD McCury, total mg/L 02/23/21 - 07/10/24 14 100 A1 MD - Lest 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DD McCury, total mg/L 02/23/21 - 07/10/24 14 100 A1 MD - Lest 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3D McCury, total mg/L 02/23/21 - 07/10/24 14 100 A1 MD - Lest 0.0002 0.002 0.	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 A2D Loso, total mg/L 02/23/21 - 07/31/23 11 100 AI ND - Lest 0.001 0.016 MCD-HBL No Exceed APW16 UA A2DR Loso, total mg/L 02/23/21 - 07/10/24 13 100 AI ND - Lest 0.001 0.015 MCD-HBL No Exceed APW16 UA A3 Lest, total mg/L 02/23/21 - 07/10/24 13 100 AI ND - Lest 0.001 0.015 MCD-HBL No Exceed APW16 UA A3D Loso, total mg/L 02/23/21 - 07/10/24 15 100 AI ND - Lest 0.001 0.015 MCD-HBL No Exceed APW16 UA A3D Loso, total mg/L 02/23/21 - 07/10/24 16 100 AI ND - Lest 0.001 0.015 MCD-HBL No Exceed APW16 UA A3D Loso, total mg/L 02/23/21 - 07/10/24 16 100 AI ND - Lest 0.001 0.016 MCD-HBL No Exceed APW16 UA A3DR Loso, total mg/L 02/23/21 - 07/10/24 16 100 AI ND - Lest 0.001 0.016 MCD-HBL No Exceed APW16 UA A2DR Lithium, total mg/L 02/23/21 - 07/10/23 12 100 AI ND - Lest 0.003 0.04 MCD-HBL No Exceed APW16 UA A3DR HImium, total mg/L 02/23/21 - 07/10/24 13 92 Clientura median 0.0033 0.04 MCD-HBL No Exceed APW16 UA A3D Lithium, total mg/L 02/23/21 - 07/10/24 13 92 Clientura median 0.00330 0.04 MCD-HBL No Exceed APW16 UA A3D Lithium, total mg/L 02/23/21 - 07/10/24 13 92 Clientura median 0.00330 0.04 MCD-HBL No Exceed APW16 UA A3D Lithium, total mg/L 02/23/21 - 07/10/24 13 92 Clientura median 0.00330 0.04 MCD-HBL No Exceed APW16 UA A3D Lithium, total mg/L 02/23/21 - 07/10/24 13 92 Clientura median 0.00330 0.04 MCD-HBL No Exceed APW16 UA A3D Lithium, total mg/L 02/23/21 - 07/10/24 15 86 CB anound 1-5 line 0.000954 0.04 MCD-HBL No Exceed APW16 UA A3D Lithium, total mg/L 02/23/21 - 07/10/24 15 86 CB anound 1-5 line 0.000954 0.04 MCD-HBL No Exceed APW16 UA A3D Mecury, total mg/L 02/23/21 - 07/10/24 15 86 CB anound 1-5 line 0.00092 0.000 MCD-HBL No Exceed APW16 UA A3D Mecury total mg/L 02/23/21 - 07/10/24 15 100 AI ND - Lest 0.0002 0.000 MCD-HBL No Exceed APW16 UA A3D Mecury total mg/L 02/23/21 - 07/10/24 15 100 AI ND - Lest 0.0002 0.000 MCD-HBL No Exceed APW16 UA A3D Mecury total mg/L 02/23/21 - 07/10/24 15 100 AI ND - Lest 0.0002 0.000 MCD-HBL No Exceed APW16 UA A3D Mecury total mg/L 02/23/21 - 07/10/24 15 100 AI ND - Lest 0.	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 A2DR Lead total mg/L 02/23/21 - 10/10/23 12 100 All ND - Last 0.001 0.015 MCL/HBL No Exceed APW16 UA A3 Lead total mg/L 02/23/21 - 04/04/24 14 100 All ND - Last 0.001 0.015 MCL/HBL No Exceed APW16 UA A3B Lead total mg/L 02/23/21 - 04/04/24 15 100 All ND - Last 0.001 0.015 MCL/HBL No Exceed APW16 UA A3DR Lead total mg/L 02/23/21 - 04/04/24 15 100 All ND - Last 0.001 0.015 MCL/HBL No Exceed 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 Exceed 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 Exceed APW16 UA A2DR Uthlum total mg/L 02/23/21 - 10/10/24 17 100 All ND - Last 0.003 0.04 MCL/HBL No Exceed APW16 UA A3DR Lithlum total mg/L 02/23/21 - 04/10/23 12 100 All ND - Last 0.003 0.04 MCL/HBL No Exceed APW16 UA A3DR Uthlum total mg/L 02/23/21 - 04/10/23 12 100 All ND - Last 0.003 0.04 MCL/HBL No Exceed APW16 UA A3DR Uthlum total mg/L 02/23/21 - 04/10/24 13 52 Clumound medium 0.00330 0.04 MCL/HBL No Exceed APW16 UA A3DR Uthlum total mg/L 02/23/21 - 04/10/24 14 86 CL around I-S line 0.00024 0.04 MCL/HBL No Exceed APW16 UA A3DR Uthlum total mg/L 02/23/21 - 04/10/24 16 86 CL around I-S line 0.00024 0.04 MCL/HBL No Exceed APW16 UA A3DR Hithlum total mg/L 02/23/21 - 04/10/24 16 87 CR around I-S line 0.00024 0.04 MCL/HBL No Exceed APW16 UA A3DR Mecrury, total mg/L 02/23/21 - 04/10/22 12 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A2DR Mccrury, total mg/L 02/23/21 - 10/10/24 13 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mecrury, total mg/L 02/23/21 - 04/10/24 15 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mecrury, total mg/L 02/23/21 - 04/10/24 15 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mecrury, total mg/L 02/23/21 - 04/10/24 15 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mecrury, total mg/L 02/23/21 - 04/10/24 15 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mecrury, total mg/L 02/23/21 - 04/10/24 15 100 All ND -	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
APV16 UA A3 Lead total mg/L 02/23/21 - 07/17/24 13 100 All ND - Lest 0.001 0.015 MCL/HEL No exceed APV16 UA A3R Lead, total mg/L 02/23/21 - 07/10/24 15 100 All ND - Lest 0.001 0.015 MCL/HEL No exceed APV16 UA A3DR Lead, total mg/L 02/23/21 - 07/10/24 15 100 All ND - Lest 0.001 0.015 MCL/HEL No exceed APV16 UA A3DR Lithium total mg/L 02/23/21 - 07/31/23 11 100 All ND - Lest 0.003 0.04 MCL/HEL No exceed APV16 UA A3DR Lithium total mg/L 02/23/21 - 07/31/24 13 92 Cl around noticin 0.00330 0.04 MCL/HEL No exceed APV16 UA A3DR Lithium total mg/L 02/23/21 - 07/31/24 13 92 Cl around noticin 0.00330 0.04 MCL/HEL No exceed APV16 UA A3D Lithium total mg/L 02/23/21 - 07/31/24 13 92 Cl around noticin 0.00330 0.04 MCL/HEL No exceed APV16 UA A3D Lithium total mg/L 02/23/21 - 07/31/24 13 92 Cl around noticin 0.00330 0.04 MCL/HEL No exceed APV16 UA A3D Lithium total mg/L 02/23/21 - 07/31/24 16 85 CB stround 1-5 line -0.000954 0.04 MCL/HEL No exceed APV16 UA A3D Lithium total mg/L 02/23/21 - 07/31/23 11 100 All ND - Lest 0.00030 0.04 MCL/HEL No exceed APV16 UA A3DR Lithium total mg/L 02/23/21 - 07/31/23 11 100 All ND - Lest 0.0002 0.002 MCL/HEL No exceed APV16 UA A3DR Moncury total mg/L 02/23/21 - 07/31/23 11 100 All ND - Lest 0.0002 0.002 MCL/HEL No exceed APV16 UA A3DR Moncury total mg/L 02/23/21 - 07/31/23 11 100 All ND - Lest 0.0002 0.002 MCL/HEL No exceed APV16 UA A3DR Moncury total mg/L 02/23/21 - 07/31/23 11 100 All ND - Lest 0.0002 0.002 MCL/HEL No exceed APV16 UA A3D Moncury total mg/L 02/23/21 - 07/31/23 11 100 All ND - Lest 0.0002 0.002 MCL/HEL No exceed APV16 UA A3D Moncury total mg/L 02/23/21 - 07/31/23 11 100 All ND - Lest 0.0002 0.002 MCL/HEL No exceed APV16 UA A3D Moncury total mg/L 02/23/21 - 07/31/23 11 100 All ND - Lest 0.0002 0.002 MCL/HEL No exceed APV16 UA A3D Moncury total mg/L 02/23/21 - 07/31/24 13 100 All ND - Lest 0.0002 0.002 MCL/HEL No exceed APV16 UA A3D Moncury total mg/L 02/23/21 - 07/31/23 10 50 CB around linear ng 0.0002 0.0002 MCL/HEL No exceed APV16 UA A3D Moncury total mg/L 02/23/21 - 07/31/2	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 A3R Fed. Ioisi	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 A3D Feat, total mg/L 02/23/21 - 07/10/24 15 100 All ND - Last 0.001 0.015 MCL/HBL No Except APW16 UA A3D Lithium, total mg/L 02/23/21 - 10/10/23 12 100 All ND - Last 0.003 0.04 MCL/HBL No Except APW16 UA A3D Lithium, total mg/L 02/23/21 - 10/10/23 12 100 All ND - Last 0.003 0.04 MCL/HBL No Except APW16 UA A3D Lithium, total mg/L 02/23/21 - 07/10/23 12 100 All ND - Last 0.003 0.04 MCL/HBL No Except APW16 UA A3R Lithium, total mg/L 02/23/21 - 07/10/24 13 92 Cl around median 0.00330 0.04 MCL/HBL No Except APW16 UA A3D Lithium, total mg/L 02/23/21 - 04/04/24 14 85 CB around T-S line 0.000954 0.04 MCL/HBL No Except APW16 UA A3D Lithium, total mg/L 02/23/21 - 07/10/24 15 86 CB around T-S line 0.00024 0.04 MCL/HBL No Except APW16 UA A3D Lithium, total mg/L 02/23/21 - 07/10/24 16 87 CB around T-S line 0.00026 0.04 MCL/HBL No Except APW16 UA A2D Mcrury, total mg/L 02/23/21 - 07/31/23 11 100 All ND - Last 0.0002 0.0002 MCL/HBL No Except APW16 UA A3D Mcrury total mg/L 02/23/21 - 07/31/23 11 100 All ND - Last 0.0002 0.0002 MCL/HBL No Except APW16 UA A3D Mcrury total mg/L 02/23/21 - 07/31/23 12 100 All ND - Last 0.0002 0.0002 MCL/HBL No Except APW16 UA A3D Mcrury total mg/L 02/23/21 - 07/10/24 13 100 All ND - Last 0.0002 0.0002 MCL/HBL No Except APW16 UA A3D Mcrury total mg/L 02/23/21 - 07/10/24 14 100 All ND - Last 0.00002 0.0002 MCL/HBL No Except APW16 UA A3D Mcrury total mg/L 02/23/21 - 07/10/24 15 100 All ND - Last 0.00002 0.0002 MCL/HBL No Except APW16 UA A3D Mcrury total mg/L 02/23/21 - 07/10/24 15 100 All ND - Last 0.00002 0.0002 MCL/HBL No Except APW16 UA A3D Mcrury total mg/L 02/23/21 - 07/10/24 15 100 All ND - Last 0.00002 0.0002 MCL/HBL No Except APW16 UA A3D Mcrury total mg/L 02/23/21 - 07/10/24 15 100 All ND - Last 0.00002 0.0002 MCL/HBL No Except APW16 UA A3D Mcrury total mg/L 02/23/21 - 07/10/24 15 100 All ND - Last 0.00002 0.0002 MCL/HBL No Except APW16 UA A3D Mcrury total mg/L 02/23/21 - 07/10/24 16 100 All ND - Last 0.00002 0.0002 MCL/HBL No Except APW16 UA A3D Mcrury total mg/L 02/23/21 - 07/10/2	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 A3DR Lead, Iotal mg/L 02/23/21 - 10/02/24 16 100 AII ND - Last 0.001 0.015 MCL/HBL No Exceed APW16 UA A2D Lithium, Iotal mg/L 02/23/21 - 07/31/23 11 100 AII ND - Last 0.003 0.04 MCL/HBL No Exceed APW16 UA A2DR Lithium, Iotal mg/L 02/23/21 - 10/10/23 12 100 AII ND - Last 0.003 0.04 MCL/HBL No Exceed APW16 UA A3 Lithium, Iotal mg/L 02/23/21 - 01/17/24 13 92 CI around median 0.00330 0.04 MCL/HBL No Exceed APW16 UA A3R Lithium, Iotal mg/L 02/23/21 - 01/17/24 14 85 CB around T-S line -0.000954 0.04 MCL/HBL No Exceed APW16 UA A3D Lithium, Iotal mg/L 02/23/21 - 07/10/24 15 86 CB around T-S line -0.00042 0.04 MCL/HBL No Exceed APW16 UA A3DR Lithium, Iotal mg/L 02/23/21 - 10/10/2/24 16 87 CB around T-S line -0.00326 0.04 MCL/HBL No Exceed APW16 UA A2DR Mercury, Iotal mg/L 02/23/21 - 07/31/23 11 100 AII ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury, Iotal mg/L 02/23/21 - 10/10/23 12 100 AII ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3R Mercury, Iotal mg/L 02/23/21 - 10/10/23 12 100 AII ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3R Mercury, Iotal mg/L 02/23/21 - 01/17/24 13 100 AII ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3R Mercury, Iotal mg/L 02/23/21 - 01/17/24 13 100 AII ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3R Mercury, Iotal mg/L 02/23/21 - 01/17/24 13 100 AII ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3R Mercury, Iotal mg/L 02/23/21 - 01/17/24 13 100 AII ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3D Mercury, Iotal mg/L 02/23/21 - 01/17/24 15 100 AII ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3D Mercury, Iotal mg/L 02/23/21 - 01/10/24 16 100 AII ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3D Mercury, Iotal mg/L 02/23/21 - 10/10/24 16 100 AII ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3D Mercury, Iotal mg/L 02/23/21 - 10/10/24 16 100 AII ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3D Mercury, Iotal mg/L 02/23/21 - 10/10/24 16 100 AII ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3D McL/HBL No Exceed APW1	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 A2D Lithium, total mg/L 02/23/21 - 07/31/23 11 100 All ND - Last 0.003 0.04 MCL/HBL No Exceed 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 Exceed APW16 UA A3R Lithium, total mg/L 02/23/21 - 01/17/24 13 92 Cl around median 0.00330 0.04 MCL/HBL No Exceed APW16 UA A3R Lithium, total mg/L 02/23/21 - 04/04/24 14 85 CB around I-S line -0.000954 0.04 MCL/HBL No Exceed APW16 UA A3D Lithium, total mg/L 02/23/21 - 07/10/24 15 86 CB around I-S line -0.00242 0.04 MCL/HBL No Exceed 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 Exceed 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 Exceed 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 Exceed APW16 UA A3DR Mercury total mg/L 02/23/21 - 01/17/24 13 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury total mg/L 02/23/21 - 01/17/24 13 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury total mg/L 02/23/21 - 01/17/24 13 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury total mg/L 02/23/21 - 01/17/24 14 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury total mg/L 02/23/21 - 01/17/24 15 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury total mg/L 02/23/21 - 01/17/24 15 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury total mg/L 02/23/21 - 01/17/24 16 100 All ND - Last 0.0002 0.0002 MCL/HBL No Exceed APW16 UA A3DR Mercury total mg/L 02/23/21 - 01/17/24 16 100 All ND - Last 0.0002 0.0002 MCL/HBL No Exceed APW16 UA A3DR Mercury total mg/L 02/23/21 - 07/31/23 10 50 CB around linear reg -0.00025 0.1 MCL/HBL No Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 50 CB around linear reg -0.00025 0.1 MCL/HBL No Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 50 CB around linear reg -0.00025 0.1 MCL/HBL No Exceed APW16 UA	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 Lithium, total mg/L 02/23/21 - 01/17/24 13 92 Cl around median 0.0033 0.04 MCL/HBL No Exceed APW16 UA A3R Lithium, total mg/L 02/23/21 - 01/17/24 14 85 CB around T-S line -0.000954 0.04 MCL/HBL No Exceed APW16 UA A3DR Lithium, total mg/L 02/23/21 - 07/10/24 15 86 CB around T-S line -0.000954 0.04 MCL/HBL No Exceed APW16 UA A3DR Lithium, total mg/L 02/23/21 - 07/10/24 16 87 CB around T-S line -0.00042 0.04 MCL/HBL No Exceed 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 Exceed 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 Exceed 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 Exceed APW16 UA A3 Mercury, total mg/L 02/23/21 - 0/11/24 13 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3R Mercury, total mg/L 02/23/21 - 0/11/24 13 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3R Mercury, total mg/L 02/23/21 - 0/10/24 14 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3D Mercury, total mg/L 02/23/21 - 0/10/24 15 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3D Mercury, total mg/L 02/23/21 - 0/10/24 15 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury, total mg/L 02/23/21 - 0/10/24 15 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury, total mg/L 02/23/21 - 0/10/24 16 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury, total mg/L 02/23/21 - 0/10/24 16 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury, total mg/L 02/23/21 - 0/10/24 16 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury, total mg/L 02/23/21 - 0/10/24 16 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury, total mg/L 02/23/21 - 0/10/24 16 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury, total mg/L 02/23/21 - 0/10/24 16 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury total m	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 A3 Lithium, total mg/L 02/23/21 - 01/17/24 13 92 Cl around median 0.00330 0.04 MCL/HBL No Exceed 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 Exceed APW16 UA A3D Lithium, total mg/L 02/23/21 - 10/02/24 15 86 CB around T-S line -0.00242 0.04 MCL/HBL No Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed APW16 UA A3R Mercury, total mg/L 02/23/21 - 01/17/24 13 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3R Mercury, total mg/L 02/23/21 - 01/17/24 13 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3R Mercury, total mg/L 02/23/21 - 01/17/24 14 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3D Mercury, total mg/L 02/23/21 - 01/10/24 15 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury, total mg/L 02/23/21 - 07/10/24 15 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury, total mg/L 02/23/21 - 07/10/24 16 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury, total mg/L 02/23/21 - 07/10/24 16 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 50 CB around linear reg -0.00025 0.1 MCL/HBL No Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 50 CB around linear reg -0.00025 0.1 MCL/HBL No Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 50 CB around linear reg -0.00025 0.1 MCL/HBL No Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 50 CB around linear reg -0.00025 0.1 MCL/HBL No Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 50 CB around linear reg -0.00025 0.1 MCL	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 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed APW16 UA A3R Mercury, total mg/L 02/23/21 - 01/17/24 13 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3R Mercury, total mg/L 02/23/21 - 01/17/24 14 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed 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 Exceed 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 Exceed 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 Exceed APW16 UA A3DR Mercury, total mg/L 02/23/21 - 07/10/24 16 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed APW16 UA A3DR Mercury, total mg/L 02/23/21 - 07/10/24 16 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 50 CB around linear reg -0.00225	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 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 50 CB around linear	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 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 Exceed 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 Exceed APW16 UA A3DR Mercury, total mg/L 02/23/21 - 10/10/23 12 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed APW16 UA A2D	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 A2D Mercury, total mg/L 02/23/21 - 07/31/23 11 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed APW16 UA A3DR Mercury, total mg/L 02/23/21 - 07/10/24 15 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed APW16 UA A2D MOLYBDEN AROUND AR	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 A2DR Mercury, total mg/L 02/23/21 - 10/10/23 12 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed 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 Exceed 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 Exceed 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 Exceed APW16 UA A3DR Mercury, total mg/L 02/23/21 - 07/10/24 15 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 MCL/HBL No Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 MCL/HBL NO Exceed APW16 UA A2D MOLYBDEN APW16 UA A2D M	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 A3 Mercury, total mg/L 02/23/21 - 01/17/24 13 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 50 CB around linear reg -0.00225 0.1	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 A3R Mercury, total mg/L 02/23/21 - 04/04/24 14 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed 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 Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 MCL/HBL No Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 MCL/HBL No Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 MCL/HBL No Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 MCL/HBL NO Exceed APW16 UA A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 MCL/HBL NO Exceed APW16 UA A2D MOLYBDENUM MAX MAX MAX MAX MAX MAX MAX MAX MAX MA	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         A3D         Mercury, total         mg/L         02/23/21 - 07/10/24         15         100         All ND - Last         0.0002         0.002         MCL/HBL         No Exceed           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 Exceed           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 Exceed	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 A3DR Mercury, total mg/L 02/23/21 - 10/02/24 16 100 All ND - Last 0.0002 0.002 MCL/HBL No Exceed 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 Exceed	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 A2D Molybdenum, total mg/L 02/23/21 - 07/31/23 10 50 CB around linear reg -0.00225 0.1 MCL/HBL No Exceed	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 Exceed	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 Exceed	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 Exceed	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 Exceed	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 Exceed	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

NEWTON, IL	=											
WellID	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	А3	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	А3	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	А3	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	А3	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. II

NEWTON, II	=											
WellID	HSU	Event I D	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
APW17	UA	А3	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	А3	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	А3	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	А3	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	А3	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

INL VVI OIN, II	-											
WellID	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	А3	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	А3	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

NEWTON, I	L											
WellID	HSU	Event I D	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	А3	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	А3	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	А3	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	А3	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
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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

INL VVI OIN, IL												
WellID	HSU	EventID	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	А3	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	А3	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	А3	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	А3	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





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NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

INCANTOIN, II	-											
WellID	HSU	Event I D	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	А3	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
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NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON. IL

NEWTON, II	_											
WellID	HSU	Event I D	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	А3	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	А3	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	А3	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	А3	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

INL VV I OIN, IL												
WellID	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	А3	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	А3	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

Generated 2024-12-03 20:12 by banoffra





## **FIGURES**



PROPERTY BOUNDARY

) 500 1,000 L | Feet

## MONITORING WELL LOCATION MAP

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT PRIMARY ASH POND

> NEWTON POWER PLANT NEWTON, ILLINOIS

## FIGURE 1



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)

400 800

## POTENTIOMETRIC SURFACE MAP JANUARY 15, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT PRIMARY ASH POND

NEWTON POWER PLANT NEWTON, ILLINOIS

## FIGURE 2



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)

400 800

## POTENTIOMETRIC SURFACE MAP APRIL 1, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT PRIMARY ASH POND

NEWTON POWER PLANT NEWTON, ILLINOIS

## FIGURE 3



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)

) 400 800 I I I Fee

## POTENTIOMETRIC SURFACE MAP JULY 1, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT PRIMARY ASH POND

NEWTON POWER PLANT NEWTON, ILLINOIS

## FIGURE 4





BACKGROUND MONITORING WELL

MONITORING 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. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

) 400 800 I Fee

## 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



## **APPENDICES**

# APPENDIX A LABORATORY REPORTS AND FIELD DATA SHEETS

http://www.teklabinc.com/

February 20, 2024

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

TEL: (414) 837-3607 FAX: (414) 837-3608 TNI TNI TNI TNI

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

**WorkOrder:** 24010247

Dear Eric Bauer:

**RE:** NEW-24Q1

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

Director of Customer Service

(618)344-1004 ex 33

ehurley@teklabinc.com

Elizabeth a Hurley



# **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:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	59
Quality Control Results	60
Receiving Check List	139
Chain of Custody	Appended



#### **Definitions**

http://www.teklabinc.com/

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**

http://www.teklabinc.com/

Report Date: 20-Feb-24

Work Order: 24010247 Client: Ramboll

Qualifiers

# - Unknown hydrocarbon

Client Project: NEW-24Q1

RL shown is a Client Requested Quantitation Limit

Holding times exceeded H -

Analyte detected below quantitation limits

Not Detected at the Reporting Limit

Spike Recovery outside recovery limits

X - Value exceeds Maximum Contaminant Level

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)



## **Case Narrative**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247
Client Project: NEW-24Q1 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		Springfield		Kansas City
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com
	Collinsville Air		Chicago		
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.		
	Collinsville, IL 62234-7425		Downers Grove, IL 60515		
Phone	(618) 344-1004	Phone	(630) 324-6855		
Fax	(618) 344-1005	Fax			
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com		

## **Accreditations**

http://www.teklabinc.com/

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



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-005 Client Sample ID: APW02

Manualyses	CITOCITE III					n Butet 0.	-, -0, -0-	0.00		
Degis to water from measuring point	Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 1310 FIELD	FIELD ELEVATION MEASURE	MENTS								
Turbidity	Depth to water from measuring poi	int *	0	0		7.99	ft	1	01/18/2024 13:35	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD	STANDARD METHODS 2130 B	3 FIELD								
Distribution   Production   P	Turbidity	*	1.0	1.0		22	NTU	1	01/18/2024 13:35	R342563
STANDARD METHODS 2510 B FIELD   Spec. Conductance, Field	STANDARD METHODS 18TH E	D. 2580 B FII	ELD							
Spec. Conductance, Field	Oxidation-Reduction Potential	*	-300	-300		67	mV	1	01/18/2024 13:35	R342563
STANDARD METHODS 2550 B FIELD   * 0 0 0 8.6 °C 1 01/19/2024 13:35 R342563   STANDARD METHODS 4500-0 G FIELD   Wignen, Dissolved		FIELD								
Temperature	Spec. Conductance, Field	*	0	0		3220	μS/cm	1	01/18/2024 13:35	R342563
STANDARD METHODS 4500-0 G FIELD	STANDARD METHODS 2550 B	FIELD								
Swygen, Dissolved   * 0 0 0 0 1.71 mg/L 1 01/18/2024 13:35 R342563	Temperature	*	0	0		8.6	°C	1	01/18/2024 13:35	R342563
SW-846 9040B FIELD   PH		G FIELD								
Description	Oxygen, Dissolved	*	0	0		1.71	mg/L	1	01/18/2024 13:35	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011   Alkalinity, Bicarbonate (as CaCO3)   NELAP   0   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)   SW-846 9036 (TOTAL)   SW-846 9036 (TOTAL)   SW-846 9036 (TOTAL)   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   0.040   0.100   0.50   442   mg/L   1   01/24/2024 9:17   217595   Sodium   NELAP   0.018   0.050   442   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)   Arsenic   NELAP   0.4   1.0   J   0.7   µg/L   5   01/30/2024 3:14   217595   SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)   Arsenic   NELAP   0.4   1.0   J   0.7   µg/L   5   01/30/2024 3:14   217595   SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)   Arsenic   NELAP   0.4   1.0   J   0.7   µg/L   5   01/30/2024 3:14   217595   SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)   SW-912   PaylL   5   01/30/2024 3:14   217595   SW-912   PaylL   0.0   PaylL   0.0										
Alkalinity, Bicarbonate (as CaCO3)   NELAP   0   0   0   614   mg/L   1   01/19/2024 15:36   R342036	pH	*	0	1.00		6.59		1	01/18/2024 13:35	R342563
STANDARD METHODS 2320 B 1997, 2011			7, 2011							
Alkalinity, Carbonate (as CaCO3)   NELAP   0   0   0   mg/L   1   01/19/2024 15:36   R342036	Alkalinity, Bicarbonate (as CaCO3)	) NELAP	0	0		614	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)   SW-846 9036 (TOTAL)   SW-846 9036 (TOTAL)   SW-846 9214 (TOTAL)   Fluoride   NELAP   0.04   0.10   0.22   mg/L   1   01/22/2024 9:34   R342116   SW-846 9251 (TOTAL)   SW-846 9251 (TOTAL)   Chloride   NELAP   0.04   0.10   0.22   mg/L   5   01/23/2024 13:19   R342118   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   Calcium   NELAP   0.006   0.050   0.050   0.0		•								
Total Dissolved Solids	Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	01/19/2024 15:36	R342036
Sulfate   NELAP   614   1000   3120   mg/L   100   01/23/2024 13:24   R342116		•	-							
Sulfate   NELAP   614   1000   3120   mg/L   100   01/23/2024 13:24   R342116	Total Dissolved Solids	NELAP	40	50		5310	mg/L	2.5	01/23/2024 11:03	R342154
SW-846 9214 (TOTAL)	· · · · · · · · · · · · · · · · · · ·									
Fluoride   NELAP   0.04   0.10   0.22   mg/L   1   01/22/2024 9:34   R342042	Sulfate	NELAP	614	1000		3120	mg/L	100	01/23/2024 13:24	R342116
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)	· ·									
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         0.04         0.100         7.00         mg/L         1         01/24/2024 9:17         217595           Sodium         NELAP         0.01         0.050         421         mg/L         1         01/24/2024 9:17         217595           Sodium         NELAP         0.01         J         0.8         µg/L         5         01/30/2024 23:14         217595           SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)         J         0.8         µg/L         5         01/30/2024 23:14         217595           Arsenic         NELAP         0.4         1.0         J <td>Fluoride</td> <td>NELAP</td> <td>0.04</td> <td>0.10</td> <td></td> <td>0.22</td> <td>mg/L</td> <td>1</td> <td>01/22/2024 9:34</td> <td>R342042</td>	Fluoride	NELAP	0.04	0.10		0.22	mg/L	1	01/22/2024 9:34	R342042
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           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           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	-									
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         01/24/2024 20:12         217595           Beryllium         NELAP         0.2         1.0         <1.0	Chloride	NELAP	2	20		122	mg/L	5	01/23/2024 13:19	R342118
Magnesium         NELAP         0.006         0.050         442 mg/L mg/L         1 01/24/2024 9:17 217595         217595           Potassium         NELAP 0.040 0.100         7.00 mg/L 1 01/24/2024 9:17 217595         217595         217595           Sodium         NELAP 0.018 0.050         421 mg/L 1 01/24/2024 9:17 217595         217595           SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)         V         1.0 J 0.8 μg/L 5 01/30/2024 23:14 217595         217595           Antimony         NELAP 0.4 1.0 J 0.7 μg/L 5 01/24/2024 20:12 217595         217595         217595           Arsenic         NELAP 0.4 1.0 J 0.7 μg/L 5 01/24/2024 20:12 217595         217595           Barium         NELAP 0.7 1.0 J 0.7 μg/L 5 01/24/2024 20:12 217595         217595           Beryllium         NELAP 0.2 1.0 μg/L 5 01/24/2024 20:12 217595         217595           Boron         NELAP 9.2 25.0 132 μg/L 5 01/24/2024 20:12 217595         217595           Cadmium         NELAP 0.2 1.0 μg/L 5 01/24/2024 20:12 217595         217595           Chromium         NELAP 0.1 1.0 1.5 μg/L 5 01/24/2024 20:12 217595         217595           Cobalt NELAP 0.6 1.0 μg/L 5 01/24/2024 20:12 217595         217595           Lead NELAP 0.6 1.0 μg/L 5 01/24/2024 20:12 217595         217595           Lithium         * 1.4 3.0 μg/L 5 01/24/2024 20:12 217595         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         01/30/2024 20:12         217595           Barium         NELAP         0.7         1.0         12.2         µg/L         5         01/30/2024 20:12         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         <							_			
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         01/30/2024 23:14         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         0.1         1.0         J         0.4         μg/L         5         01/31/2024 19:06         217595           Lead         NELAP <td>ŭ</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td>	ŭ						_			
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							_			
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				0.050		421	mg/L	1	01/24/2024 9:17	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				1.0		0.0	/1	E	04/20/2004 22:44	247505
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	•				J					
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					J					
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										
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										
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										
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										
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	Cobalt				J				01/31/2024 19:06	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	Lead	NELAP	0.6	1.0		< 1.0		5	01/24/2024 20:12	217595
Selenium NELAP 0.6 1.0 < 1.0 μg/L 5 01/24/2024 20:12 217595	Lithium	*	1.4			122	μg/L	5	01/24/2024 20:12	217595
	•									
Thallium NELAP 1.0 2.0 <b>&lt; 2.0</b> μg/L 5 01/29/2024 19:42 217595										
	Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	01/29/2024 19:42	217595

NEW-257-501 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

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



Client: Ramboll Work Order: 24010247

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

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

						-	1 23 202		
Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	EMENTS								
Depth to water from measuring pe	oint *	0	0		5.65	ft	1	01/23/2024 13:04	R342563
<b>STANDARD METHODS 2130</b>	B FIELD								
Turbidity	*	1.0	1.0		15	NTU	1	01/23/2024 13:04	R342563
<b>STANDARD METHODS 18TH</b>	ED. 2580 B FII	ELD							
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		7, 2011							
Alkalinity, Bicarbonate (as CaCO	3) NELAP	0	0		481	mg/L	1	01/24/2024 11:02	R342153
STANDARD METHODS 2320	•								
Alkalinity, Carbonate (as CaCO3)		0	0		0	mg/L	1	01/24/2024 11:02	R342153
STANDARD METHODS 2540	•	•							
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, META	-	-							
Calcium	NELAP	0.035	0.100		99.6	mg/L	1	01/25/2024 11:44	
Magnesium	NELAP	0.006	0.050		55.5	mg/L	1	01/25/2024 11:44	
Potassium	NELAP	0.040	0.100		0.561	mg/L	1	01/25/2024 11:44	
Sodium	NELAP	0.018	0.050		61.2	mg/L	1	01/25/2024 11:44	Z1114U
SW-846 3005A, 6020A, META	LS BY ICPMS NELAP	(IOIAL) 0.4	1.0		2.3	μg/L	5	01/31/2024 5:39	2177/0
Antimony Arsenic	NELAP	0.4	1.0	J	2.3 0.8	μg/L μg/L	5	01/31/2024 5:39	
Barium	NELAP	0.4	1.0	J	98.1	μg/L μg/L	5	01/31/2024 5:39	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/31/2024 23:19	
Boron	NELAP	9.2	25.0		385	μg/L	5	01/31/2024 23:19	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/31/2024 5:39	
Chromium	NELAP	0.9	1.5		3.8	μg/L	5	01/31/2024 5:39	
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	
Molybdenum	NELAP	1.3	1.5		1.8	μg/L	5	01/31/2024 5:39	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	01/31/2024 5:39	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	01/31/2024 5:39	217740



NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-006 Client Sample ID: APW03

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



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-007 Client Sample ID: APW04

	`						1/25/202		
Analyses	Certificatio	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring po	int *	0	0		4.91	ft	1	01/23/2024 13:52	R342563
STANDARD METHODS 2130 I	3 FIELD								
Turbidity	*	1.0	1.0		27	NTU	1	01/23/2024 13:52	R342563
STANDARD METHODS 18TH	D. 2580 B FI	ELD							
Oxidation-Reduction Potential	*	-300	-300		89	mV	1	01/23/2024 13:52	R342563
<b>STANDARD METHODS 2510 B</b>	FIELD								
Spec. Conductance, Field	*	0	0		1590	μS/cm	1	01/23/2024 13:52	R342563
<b>STANDARD METHODS 2550 B</b>	FIELD								
Temperature	*	0	0		8.3	°C	1	01/23/2024 13:52	R342563
STANDARD METHODS 4500-0	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	•	-							
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) 199	7, 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, METAL	-	-							
Calcium	NELAP	0.035	0.100		152	mg/L	1	01/25/2024 11:46	
Magnesium	NELAP	0.006	0.050		70.6	mg/L	1	01/25/2024 11:46	
Potassium	NELAP	0.040	0.100		1.80	mg/L	1	01/25/2024 11:46	
Sodium	NELAP	0.018	0.050		120	mg/L	1	01/25/2024 11:46	217740
SW-846 3005A, 6020A, METAL			1.0		.40	ua/I	E	01/21/2024 5:45	217740
Antimony Arsenic	NELAP NELAP	0.4 0.4	1.0 1.0		< 1.0 8.5	μg/L	5 5	01/31/2024 5:45 01/31/2024 5:45	
Arsenic Barium	NELAP	0.4	1.0		8.5 29.6	μg/L μg/L	5 5	01/31/2024 5:45	
Beryllium	NELAP	0.7	1.0		< 1.0	μg/L μg/L	5	01/31/2024 23:25	
Boron	NELAP	9.2	25.0		76.4	μg/L μg/L	5	01/31/2024 23:25	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/31/2024 5:45	
Chromium	NELAP	0.9	1.5	J	1.1	μg/L	5	01/31/2024 5:45	
Cobalt	NELAP	0.1	1.0	J	1.0	μg/L	5	01/31/2024 23:25	
Lead	NELAP	0.6	1.0	J	0.7	μg/L	5	01/31/2024 5:45	
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	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	01/31/2024 5:45	217740



NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-007 Client Sample ID: APW04

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



Client: Ramboll Work Order: 24010247

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

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

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Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring poin	nt *	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 E	D. 2580 B FII	ELD							
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	•	7, 2011							
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		494	mg/L	1	01/17/2024 14:21	R341909
STANDARD METHODS 2320 B	,								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	01/17/2024 14:21	R341909
STANDARD METHODS 2540 C	•	•							
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, METAL	-	-							
Calcium	NELAP	0.035	0.100		72.2	mg/L	1	01/18/2024 11:32	
Magnesium	NELAP	0.006	0.050		32.1	mg/L	1	01/18/2024 11:32	
Potassium Sodium	NELAP NELAP	0.040 0.018	0.100 0.050		2.64 126	mg/L	1 1	01/18/2024 11:32 01/18/2024 11:32	
			0.050		120	mg/L	ı	01/10/2024 11.32	217404
SW-846 3005A, 6020A, METAL	NELAP	(101AL) 0.4	1.0	J	0.7	ug/l	5	01/23/2024 15:02	217/19/
Antimony Arsenic	NELAP	0.4	1.0	J	44.6	μg/L μg/L	5	01/23/2024 15:02	
Barium	NELAP	0.7	1.0		463	μg/L	5	01/23/2024 15:02	
Beryllium	NELAP	0.2	1.0	J	0.9	μg/L	5	01/23/2024 15:02	
Boron	NELAP	9.2	25.0		715	μg/L	5	01/23/2024 15:02	
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	
Molybdenum	NELAP	0.6	1.5		10.9	μg/L	5	01/31/2024 0:52	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L 	5	01/23/2024 15:02	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	01/23/2024 15:02	217484



NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

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

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

Collection Date: 01/23/2024 9:24



Matrix: GROUNDWATER

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

**Analyses** Certification **MDL** RL Qual Result Units DF Date Analyzed Batch FIELD ELEVATION MEASUREMENTS 0 01/23/2024 9:24 Depth to water from measuring point 0 ft 12.03 1 R342563 STANDARD METHODS 2130 B FIELD **Turbidity** 1.0 1.0 NTU 1 01/23/2024 9:24 R342563 16 STANDARD METHODS 18TH ED. 2580 B FIELD Oxidation-Reduction Potential -300 -300 140  $\mathsf{mV}$ 1 01/23/2024 9:24 R342563 STANDARD METHODS 2510 B FIELD 0 0 μS/cm 1 Spec. Conductance, Field 2570 01/23/2024 9:24 R342563 STANDARD METHODS 2550 B FIELD Temperature 0 0 °C 1 01/23/2024 9:24 R342563 9.1 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** рΗ 1.00 0 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** 20 2920 1 01/24/2024 10:23 R342206 16 mg/L SW-846 9036 (TOTAL) Sulfate **NELAP** 307 500 1690 50 mg/L 01/24/2024 13:44 R342183 SW-846 9214 (TOTAL) Fluoride **NELAP** 0.04 0.10 0.34 01/24/2024 13:14 R342128 mg/L 1 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) 01/25/2024 11:48 217740 Calcium **NELAP** 0.035 0.100 383 mg/L 1 Magnesium **NELAP** 0.006 0.050 290 mg/L 1 01/25/2024 11:48 217740 **NELAP** 0.040 0.100 2.36 1 Potassium mg/L 01/25/2024 11:48 217740 Sodium **NELAP** 0.018 0.050 253 1 01/25/2024 11:48 217740 mg/L SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL) Antimony 5 **NELAP** 1.0 0.4 < 1.0 μg/L 01/31/2024 6:28 217740 5 Arsenic **NELAP** 0.4 1.0 J 8.0 µg/L 01/31/2024 6:28 217740 0.7 5 Barium **NELAP** 1.0 29.6 µg/L 01/31/2024 6:28 217740 5 Beryllium **NELAP** 0.2 1.0 < 1.0 µg/L 01/31/2024 23:31 217740 25.0 5 Boron **NELAP** 9.2 41.1 µg/L 01/31/2024 23:31 217740 **NELAP** 0.2 1.0 < 1.0 5 01/31/2024 6:28 217740 Cadmium µg/L 5 Chromium **NELAP** 0.7 1.5 2.0 µg/L 01/31/2024 23:31 217740 Cohalt **NELAP** 0.1 1.0 J 1.0 5 01/31/2024 23:31 217740 µg/L 5 Lead **NELAP** 0.6 1.0 < 1.0 µg/L 01/31/2024 6:28 217740 I ithium 1.4 3.0 36.6 μg/L 5 01/31/2024 23:31 217740 5 Molybdenum **NELAP** 1.3 1.5 01/31/2024 6:28 217740 < 1.5 µg/L **NELAP** 1.0 5 01/31/2024 6:28 217740 Selenium 0.6 µg/L < 1.0 **Thallium NELAP** 1.0 2.0 5 01/31/2024 6:28 217740 < 2.0 µg/L



NEW-257-501 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** 

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



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-010 Client Sample ID: APW06

Matrix: GROUNDWATE				001100110	n Date. 01	1,23,202	10101		
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREM	MENTS								
Depth to water from measuring poir		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 E	D. 2580 B FIE	LD							
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									
рН	*	0	1.00		7.55		1	01/23/2024 10:04	R342563
STANDARD METHODS 2320 B	•	•							
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		462	mg/L	1	01/24/2024 11:19	R342153
STANDARD METHODS 2320 B	,								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	01/24/2024 11:19	R342153
STANDARD METHODS 2540 C	•	•							
Total Dissolved Solids	NELAP	16	20		508	mg/L	1	01/24/2024 10:42	R342206
SW-846 9036 (TOTAL)									D.C.
Sulfate	NELAP	6	10	J	9	mg/L	1	01/24/2024 13:47	R342183
SW-846 9214 (TOTAL)	.,							0.4/0.4/0.5	D0 40 15
Fluoride	NELAP	0.04	0.10		0.47	mg/L	1	01/24/2024 13:16	K342128
SW-846 9251 (TOTAL)						,-		04/04/205	D0 40 10 :
Chloride	NELAP	1	4		24	mg/L	1	01/24/2024 13:48	K342184
SW-846 3005A, 6010B, METALS	•	•	0.400		:	19		04/05/0001111	047740
Calcium	NELAP	0.035	0.100		58.1	mg/L	1	01/25/2024 11:49	
Magnesium	NELAP NELAP	0.006	0.050		26.1 1.43	mg/L	1	01/25/2024 11:49 01/25/2024 11:49	
Potassium Sodium	NELAP NELAP	0.040 0.018	0.100 0.050		1.43 111	mg/L mg/L	1	01/25/2024 11:49 01/25/2024 11:49	
			0.000		111	my/L	ı	0112312024 11.49	211140
SW-846 3005A, 6020A, METALS Antimony	NELAP	0.4	1.0		< 1.0	μg/L	5	01/31/2024 6:33	217740
Arsenic	NELAP	0.4	1.0		< 1.0 8.5	μg/L μg/L	5	01/31/2024 6:33	
Barium	NELAP	0.4	1.0		241	μg/L μg/L	5	01/31/2024 6:33	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/31/2024 23:36	
Boron	NELAP	9.2	25.0		78.8	μg/L	5	01/31/2024 23:36	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/31/2024 6:33	
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	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	01/31/2024 6:33	
Lithium	*	1.4	3.0		11.3	μg/L	5	01/31/2024 23:36	
Molybdenum	NELAP	1.3	1.5		9.9	μg/L "	5	01/31/2024 6:33	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	01/31/2024 6:33	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	01/31/2024 6:33	21//40

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-010 Client Sample ID: APW06

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



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-011 Client Sample ID: APW07

WIALITY, GROUNDWA				Concello	n Date. U	1/23/2024	11.43		
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	EMENTS								
Depth to water from measuring po	oint *	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 FIE								
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								<b>D</b>
Oxygen, Dissolved	*	0	0		3.13	mg/L	1	01/23/2024 11:29	R342563
SW-846 9040B FIELD									<b>D</b> 0.15
pH	*	0	1.00		7.01		1	01/23/2024 11:29	R342563
STANDARD METHODS 2320		-						0.1/0.1/0.	DC 15:
Alkalinity, Bicarbonate (as CaCO		0	0		388	mg/L	1	01/24/2024 11:25	R342153
STANDARD METHODS 2320	•							241-11-1	<b>D</b> 0.12.1
Alkalinity, Carbonate (as CaCO3)	•	0	0		0	mg/L	1	01/24/2024 11:25	R342153
STANDARD METHODS 2540	•	-						2/15	<b>D</b> 0.12
Total Dissolved Solids	NELAP	16	20		540	mg/L	1	01/24/2024 10:42	R342206
SW-846 9036 (TOTAL)								241-11-1	<b>D</b>
Sulfate	NELAP	6	10		32	mg/L	1	01/24/2024 13:50	R342183
SW-846 9214 (TOTAL)								2/15	<b>D</b>
Fluoride	NELAP	0.04	0.10		0.44	mg/L	1	01/24/2024 13:18	R342128
SW-846 9251 (TOTAL)								2/15	<b>D</b>
Chloride	NELAP	2	20		70	mg/L	5	01/24/2024 13:55	K342184
SW-846 3005A, 6010B, META	•	•						0.1/0=/	0.4== ::
Calcium	NELAP	0.035	0.100	S	85.8	mg/L	1	01/25/2024 11:51	
Magnesium	NELAP	0.006	0.050		34.0	mg/L	1	01/25/2024 11:51	
Potassium	NELAP NELAD	0.040	0.100	C	2.72	mg/L	1	01/25/2024 11:51	
Sodium  Matrix spike control limits are not	NELAP	0.018 high samr	0.050	S	85.8	mg/L	1	01/25/2024 11:51	Z1114U
Matrix spike control limits are not		<u> </u>	ne/spike r	au∪.					
SW-846 3005A, 6020A, META Antimony	NELAP		1.0	ı	0.9	μg/L	5	01/31/2024 23:53	217740
Antimony Arsenic	NELAP	0.4 0.4	1.0	J	1.8	μg/L μg/L	5 5	01/31/2024 23:53	
Barium	NELAP	0.4	1.0		318	μg/L μg/L	5	01/31/2024 23:53	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/31/2024 23:53	
Boron	NELAP	9.2	25.0		89.1	μg/L	5	01/31/2024 23:53	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/31/2024 23:53	
Chromium	NELAP	0.7	1.5		3.1	μg/L	5	01/31/2024 23:53	
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	
Lithium	*	1.4	3.0		4.2	μg/L	5	01/31/2024 23:53	
Molybdenum	NELAP	0.6	1.5		10.1	μg/L	5	02/05/2024 13:21	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	01/31/2024 23:53	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	02/01/2024 18:42	21/740



NEW-257-501 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

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



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-012 Client Sample ID: APW08

Matrix: GROUNDWAT					n Date. U	10/202	. 11.21		
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring po	oint *	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 FIE	LD							
Oxidation-Reduction Potential	*	-300	-300		-34	mV	1	01/18/2024 11:21	R342563
<b>STANDARD METHODS 2510 E</b>	B FIELD								
Spec. Conductance, Field	*	0	0		812	μS/cm	1	01/18/2024 11:21	R342563
<b>STANDARD METHODS 2550 E</b>	B FIELD								
Temperature	*	0	0		11.9	°C	1	01/18/2024 11:21	R342563
STANDARD METHODS 4500-0	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
<b>STANDARD METHODS 2320 E</b>	•	7, 2011							
Alkalinity, Bicarbonate (as CaCO3	B) NELAP	0	0		514	mg/L	1	01/19/2024 15:43	R342036
STANDARD METHODS 2320 E	<b>,</b> -								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	01/19/2024 15:43	R342036
STANDARD METHODS 2540 (	•	•							
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, METAL		-							
Calcium	NELAP	0.035	0.100		105	mg/L	1	01/24/2024 9:18	
Magnesium	NELAP	0.006	0.050		42.7	mg/L	1	01/24/2024 9:18	
Potassium	NELAP	0.040	0.100		2.33	mg/L	1	01/24/2024 9:18	
Sodium	NELAP	0.018	0.050		85.8	mg/L	1	01/24/2024 9:18	217595
SW-846 3005A, 6020A, METAL	•	•	1.0		-40	ua/I	5	01/20/2024 22:20	217505
Antimony Arsenic	NELAP NELAP	0.4 0.4	1.0 1.0		< 1.0 24 1	µg/L ug/l	5 5	01/30/2024 23:20 01/24/2024 20:18	
Barium	NELAP	0.4	1.0		24.1 522	μg/L μg/L	5 5	01/30/2024 20:18	
Beryllium	NELAP	0.7	1.0		< 1.0	μg/L μg/L	5	01/24/2024 20:18	
Boron	NELAP	9.2	25.0		83.8	μg/L	5	01/24/2024 20:18	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/24/2024 20:18	
Chromium	NELAP	1.0	1.5		6.8	μg/L	5	01/29/2024 19:48	
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	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L 	5	01/24/2024 20:18	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	01/29/2024 19:48	217595

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-012 Client Sample ID: APW08

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



Client: Ramboll Work Order: 24010247

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

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

Matrix: GROUNDWAT	LIX				Concerns	11 2 4100 0	1/23/2027	12.25	
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring po	int *	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 I	ED. 2580 B FIE	LD							
Oxidation-Reduction Potential	*	-300	-300		-20	mV	1	01/23/2024 12:23	R342563
STANDARD METHODS 2510 E	3 FIELD								
Spec. Conductance, Field	*	0	0		1210	μS/cm	1	01/23/2024 12:23	R342563
STANDARD METHODS 2550 E	3 FIELD								
Temperature	*	0	0		11.5	°C	1	01/23/2024 12:23	R342563
STANDARD METHODS 4500-0	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 E		-							
Alkalinity, Bicarbonate (as CaCO3	) NELAP	0	0		612	mg/L	1	01/24/2024 11:30	R342153
STANDARD METHODS 2320 E	•								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	01/24/2024 11:30	R342153
STANDARD METHODS 2540 C		•							
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)	NELAD	0.04	0.40			"	4	04/04/0004 40 00	5040400
Fluoride	NELAP	0.04	0.10		0.44	mg/L	1	01/24/2024 13:20	R342128
SW-846 9251 (TOTAL)	NELAD	0	00				-	04/04/0004 44 00	D040404
Chloride	NELAP	2	20		141	mg/L	5	01/24/2024 14:03	R342184
SW-846 3005A, 6010B, METAL	•	•	0.400		00.0		4	04/05/0004 40:45	047740
Calcium	NELAP NELAP	0.035 0.006	0.100 0.050		82.0 38.5	mg/L	1 1	01/25/2024 12:15 01/25/2024 12:15	
Magnesium Potassium	NELAP	0.000	0.000		1.88	mg/L mg/L	1	01/25/2024 12:15	
Sodium	NELAP	0.040	0.050		192	mg/L	1	01/25/2024 12:15	
SW-846 3005A, 6020A, METAL			0.000		.02	y, =	•	0 1/20/2027 12.10	
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	
Barium	NELAP	0.7	1.0		460	μg/L	5	01/31/2024 6:39	
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	
Cobalt	NELAP	0.1	1.0	J	0.7	μg/L	5	01/31/2024 23:42	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	01/31/2024 6:39	
Lithium	*	1.4	3.0		8.0	μg/L	5	01/31/2024 23:42	
Molybdenum	NELAP	1.3	1.5		3.8	μg/L	5	01/31/2024 6:39	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	01/31/2024 6:39	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	01/31/2024 6:39	21//40



NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-013 Client Sample ID: APW09

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



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-014 Client Sample ID: APW10

Matrix: GROUNDWAT				001100110	n Date. U	1,25,202	1 11135		
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring po	int *	0	0		18.87	ft	1	01/23/2024 14:39	R342563
STANDARD METHODS 2130 I	B FIELD								
Turbidity	*	1.0	1.0		7.1	NTU	1	01/23/2024 14:39	R342563
STANDARD METHODS 18TH B	ED. 2580 B FIE	LD							
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 4500-0	G FIELD								
Oxygen, Dissolved	*	0	0		0.37	mg/L	1	01/23/2024 14:39	R342563
SW-846 9040B FIELD									
рН	*	0	1.00		7.13		1	01/23/2024 14:39	R342563
STANDARD METHODS 2320 B		-							
Alkalinity, Bicarbonate (as CaCO3)	) NELAP	0	0		515	mg/L	1	01/24/2024 11:37	R342153
STANDARD METHODS 2320 B	•								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	01/24/2024 11:37	R342153
STANDARD METHODS 2540 C	•	-							
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)		_				,,		0.1/0.1/0.00.1.1.00	5040404
Chloride	NELAP	1	4		35	mg/L	1	01/24/2024 14:06	R342184
SW-846 3005A, 6010B, METAL	•	•				,		0.1/0=/0.00 / 10 / 10	0.4== 4.0
Calcium	NELAP	0.035	0.100		221	mg/L	1	01/25/2024 12:16	
Magnesium	NELAP	0.006	0.050		175	mg/L	1	01/25/2024 12:16 01/25/2024 12:16	
Potassium Sodium	NELAP NELAP	0.040 0.018	0.100 0.050		1.61 89.0	mg/L mg/L	1	01/25/2024 12:16	
			0.030		03.0	my/L	ı	0112312024 12.10	Z1114U
SW-846 3005A, 6020A, METAL Antimony	.SBYICPMS ( NELAP	101AL) 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 μg/L	5	01/31/2024 6:45	
Barium	NELAP	0.7	1.0	Ū	20.6	μg/L	5	01/31/2024 6:45	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/31/2024 23:48	
Boron	NELAP	9.2	25	J	25	μg/L	5	01/31/2024 23:48	
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	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	01/31/2024 6:45	
Lithium	*	1.4	3.0		20.5	μg/L	5	01/31/2024 23:48	
Molybdenum	NELAP	1.3	1.5		< 1.5	μg/L	5	01/31/2024 6:45	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	01/31/2024 6:45	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	01/31/2024 6:45	21//40



NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

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

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



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-015 Client Sample ID: APW11

Analyses         Certification         MDL         RL         Qual         Result         Units         DF         Date Analyzed         Bate An	R342563 R342563
Depth to water from measuring point         *         0         0         25.51         ft         1         01/16/2024 10:37         R3           STANDARD METHODS 2130 B FIELD           Turbidity         *         1.0         1.0         260         NTU         1         01/16/2024 10:37         R3           STANDARD METHODS 18TH ED. 2580 B FIELD	R342563
STANDARD METHODS 2130 B FIELD           Turbidity         *         1.0         1.0         260         NTU         1         01/16/2024 10:37         R3           STANDARD METHODS 18TH ED. 2580 B FIELD	R342563
Turbidity         *         1.0         1.0         260         NTU         1         01/16/2024 10:37         RS           STANDARD METHODS 18TH ED. 2580 B FIELD	
STANDARD METHODS 18TH ED. 2580 B FIELD	
	2242562
	2242562
Oxidation-Reduction Potential * -300 -300 <b>37</b> mV 1 01/16/2024 10:37 R3	342303
STANDARD METHODS 2510 B FIELD	
Spec. Conductance, Field * 0 0 1260 μS/cm 1 01/16/2024 10:37 R3	R342563
STANDARD METHODS 2550 B FIELD	
Temperature * 0 0 11.7 °C 1 01/16/2024 10:37 R3	R342563
STANDARD METHODS 4500-O G FIELD	
Oxygen, Dissolved * 0 0 0.56 mg/L 1 01/16/2024 10:37 R3	R342563
SW-846 9040B FIELD	
pH * 0 1.00 <b>6.92</b> 1 01/16/2024 10:37 R3	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011	
Alkalinity, Bicarbonate (as CaCO3) NELAP 0 0 415 mg/L 1 01/17/2024 14:28 R3	R341909
STANDARD METHODS 2320 B 1997, 2011	
Alkalinity, Carbonate (as CaCO3) NELAP 0 0 mg/L 1 01/17/2024 14:28 R3	R341909
STANDARD METHODS 2540 C (TOTAL) 1997, 2011	
Total Dissolved Solids NELAP 40 50 <b>740</b> mg/L 2.5 01/18/2024 9:25 R3	R342029
SW-846 9036 (TOTAL)	
Sulfate NELAP 61 100 <b>288</b> mg/L 10 01/18/2024 15:53 R3	R341983
SW-846 9214 (TOTAL)	
Fluoride NELAP 0.04 0.10 <b>0.33</b> mg/L 1 01/18/2024 11:58 R3	R341950
SW-846 9251 (TOTAL)	
Chloride NELAP 1 4 24 mg/L 1 01/18/2024 15:26 R3	R341985
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)	
Calcium NELAP 0.035 0.100 <b>141</b> mg/L 1 01/18/2024 11:34 21	
Magnesium NELAP 0.006 0.050 <b>60.2</b> mg/L 1 01/18/2024 11:34 21	
Potassium NELAP 0.040 0.100 <b>2.34</b> mg/L 1 01/18/2024 11:34 21	
Sodium NELAP 0.018 0.050 <b>88.9</b> mg/L 1 01/18/2024 11:34 21	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)  Antimony  NELAP  0.4  1.0  <1.0  ug/L  5  01/23/2024 15:08 21	17404
Antimony NELAP 0.4 1.0 <1.0 μg/L 5 01/23/2024 15:08 21 Arsenic NELAP 0.4 1.0 6.2 μg/L 5 01/23/2024 15:08 21	
Barium NELAP 0.4 1.0 0.2 µg/L 5 01/23/2024 15:08 21	
Beryllium NELAP 0.2 1.0 J <b>0.5</b> µg/L 5 01/23/2024 15:08 21	
Boron NELAP 9.2 25.0 <b>268</b> µg/L 5 01/23/2024 15:08 21	
Cadmium NELAP 0.2 1.0 <1.0 µg/L 5 01/23/2024 15:08 21	
Chromium NELAP 0.7 1.5 <b>13.5</b> µg/L 5 01/23/2024 15:08 21	
Cobalt NELAP 0.1 1.0 <b>4.5</b> µg/L 5 01/23/2024 15:08 21	217484
Lead NELAP 0.6 1.0 <b>21.5</b> µg/L 5 01/23/2024 15:08 21	217484
Lithium * 1.4 3.0 <b>35.3</b> μg/L 5 01/23/2024 15:08 21	217484
Molybdenum NELAP 0.6 1.5 <b>4.5</b> μg/L 5 01/31/2024 0:57 21	
Selenium NELAP 0.6 1.0 <b>1.3</b> μg/L 5 01/23/2024 15:08 21	
Thallium NELAP 1.0 2.0 <b>&lt; 2.0</b> μg/L 5 01/23/2024 15:08 21	217484



NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

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

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



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-016 Client Sample ID: APW12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring po		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 I	ED. 2580 B FIE	LD							
Oxidation-Reduction Potential	*	-300	-300		133	mV	1	01/16/2024 13:20	R342563
<b>STANDARD METHODS 2510 E</b>	B FIELD								
Spec. Conductance, Field	*	0	0		2000	μS/cm	1	01/16/2024 13:20	R342563
<b>STANDARD METHODS 2550 E</b>	B FIELD								
Temperature	*	0	0		12.9	°C	1	01/16/2024 13:20	R342563
STANDARD METHODS 4500-0	G FIELD								
Oxygen, Dissolved	*	0	0		1.88	mg/L	1	01/16/2024 13:20	R342563
SW-846 9040B FIELD									
рН	*	0	1.00		6.43		1	01/16/2024 13:20	R342563
<b>STANDARD METHODS 2320 E</b>	3 (TOTAL) 1997	', <b>2011</b>							
Alkalinity, Bicarbonate (as CaCO3	) NELAP	0	0		646	mg/L	1	01/17/2024 14:34	R341909
<b>STANDARD METHODS 2320 E</b>	3 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, METAL	S BY ICP (TO	TAL)							
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	
Potassium	NELAP	0.040	0.100		1.29	mg/L	1	01/18/2024 11:35	
Sodium	NELAP	0.018	0.050		135	mg/L	1	01/18/2024 11:35	217484
SW-846 3005A, 6020A, METAL	-	-							
Antimony	NELAP	0.4	1.0		< 1.0	μg/L	5	01/23/2024 15:14	
Arsenic	NELAP	0.4	1.0	J	0.9	μg/L	5	01/23/2024 15:14	
Barium	NELAP	0.7	1.0		42.2	μg/L "	5	01/23/2024 15:14	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/23/2024 15:14	
Boron	NELAP	9.2	25.0		997	μg/L	5	01/23/2024 15:14	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/23/2024 15:14	
Chromium	NELAP	0.7	1.5	J	1.4	μg/L	5	01/23/2024 15:14	
Cobalt Lead	NELAP NELAP	0.1 0.6	1.0 1.0	J	0.7	μg/L	5 5	01/31/2024 1:03 01/23/2024 15:14	
Lead Lithium	NELAY *	0.6 1.4	3.0		< 1.0 45.7	μg/L ug/l	5 5	01/23/2024 15:14	
Molybdenum	NELAP	0.6	3.0 1.5	J	45. <i>7</i> 0.6	μg/L μg/L	5 5	01/23/2024 15.14	
Selenium	NELAP	0.6	1.0	J	< 1.0	μg/L μg/L	5	01/31/2024 1:03	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L μg/L	5	01/23/2024 15:14	
PQL recovered outside upper cont				he renorti					
. 12 100010100 Outoido appor Cont	. c. minto. Gampio	. Journo ai	C NOIVE	.s reporti	Data 10 1	. sportable p	IIVI O		

NEW-257-501 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

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



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-017 Client Sample ID: APW13

			Concessor Dute: 01/11/2021 15:51						
Analyses	Certification	n MDL	$\mathbf{RL}$	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring poi	nt *	0	0		33.81	ft	1	01/17/2024 13:34	R342563
STANDARD METHODS 2130 E	3 FIELD								
Turbidity	*	1.0	1.0		13	NTU	1	01/17/2024 13:34	R342563
STANDARD METHODS 18TH E	D. 2580 B FII	ELD							
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		7, 2011							
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		506	mg/L	1	01/18/2024 14:33	R341986
STANDARD METHODS 2320 B	•								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	01/18/2024 14:33	R341986
STANDARD METHODS 2540 C	•	-							
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, METAL	-	-							
Calcium	NELAP	0.035	0.100		126	mg/L	1	01/19/2024 12:20	
Magnesium	NELAP	0.006	0.050		61.5	mg/L	1	01/19/2024 12:20	
Potassium	NELAP	0.040	0.100		2.00	mg/L	1	01/19/2024 12:20	
Sodium	NELAP	0.018	0.050		122	mg/L	1	01/19/2024 12:20	21/300
SW-846 3005A, 6020A, METAL			1.0		. 4 0	ua/I	F	04/02/0004 04:04	217566
Antimony Arsenic	NELAP NELAP	0.4 0.4	1.0 1.0		< 1.0 8.5	μg/L μg/L	5 5	01/23/2024 21:21 01/23/2024 21:21	
Barium	NELAP	0.4	1.0		88.1	μg/L μg/L	5 5	01/23/2024 21:21	
Beryllium	NELAP	0.7	1.0		< 1.0	μg/L μg/L	5	01/23/2024 21:21	
Boron	NELAP	9.2	25.0		96.5	μg/L	5	01/24/2024 19:36	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/23/2024 21:21	
Chromium	NELAP	0.8	1.5	J	1.0	μg/L	5	01/29/2024 19:11	
Cobalt	NELAP	0.1	1.0	J	0.4	μg/L	5	01/23/2024 21:21	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	01/23/2024 21:21	
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	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	01/23/2024 21:21	217566



NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-017 Client Sample ID: APW13

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



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-018 Client Sample ID: APW14

							, , -	1 11127		
Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch	
FIELD ELEVATION MEASURE	EMENTS									
Depth to water from measuring pe	oint *	0	0		22.29	ft	1	01/17/2024 14:27	R342563	
<b>STANDARD METHODS 2130</b>	B FIELD									
Turbidity	*	1.0	1.0		13	NTU	1	01/17/2024 14:27	R342563	
<b>STANDARD METHODS 18TH</b>	ED. 2580 B FI	ELD								
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		7, 2011								
Alkalinity, Bicarbonate (as CaCO	3) 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	•	•								
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, META	-	-								
Calcium	NELAP	0.035	0.100		140	mg/L	1	01/19/2024 12:21		
Magnesium	NELAP	0.006	0.050		66.4	mg/L	1	01/19/2024 12:21		
Potassium	NELAP	0.040	0.100		1.80	mg/L	1	01/19/2024 12:21		
Sodium	NELAP	0.018	0.050		129	mg/L	1	01/19/2024 12:21	217500	
SW-846 3005A, 6020A, META			1.0		- 4.0	ug/l	E	01/23/2024 21:27	217566	
Antimony Arsenic	NELAP NELAP	0.4 0.4	1.0 1.0		< 1.0 11.5	μg/L μg/L	5 5	01/23/2024 21:27		
Barium	NELAP	0.4	1.0		88.5	μg/L μg/L	5 5	01/23/2024 21:27		
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L μg/L	5	01/23/2024 21:27		
Boron	NELAP	9.2	25.0		84.7	μg/L	5	01/24/2024 19:42		
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/23/2024 21:27		
Chromium	NELAP	0.8	1.5	J	0.8	μg/L	5	01/29/2024 19:17		
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		
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	01/23/2024 21:27		
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	01/23/2024 21:27	217566	

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-018 Client Sample ID: APW14

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



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-019 Client Sample ID: APW15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring po		0	0		21.33	ft	1	01/18/2024 10:14	R342563
STANDARD METHODS 2130 I	B FIELD								
Turbidity	*	1.0	1.0		61	NTU	1	01/18/2024 10:14	R342563
STANDARD METHODS 18TH E	D. 2580 B FIF	l D							
Oxidation-Reduction Potential	*	-300	-300		-94	mV	1	01/18/2024 10:14	R342563
STANDARD METHODS 2510 B	R FIFI D								
Spec. Conductance, Field	*	0	0		1440	μS/cm	1	01/18/2024 10:14	R342563
STANDARD METHODS 2550 B	R FIFI D								
Temperature	*	0	0		13.1	°C	1	01/18/2024 10:14	R342563
STANDARD METHODS 4500-0	G FIFI D								
Oxygen, Dissolved	*	0	0		0.33	mg/L	1	01/18/2024 10:14	R342563
SW-846 9040B FIELD						<u> </u>			
pH	*	0	1.00		6.89		1	01/18/2024 10:14	R342563
STANDARD METHODS 2320 B	R (TOTAL) 1007								
Alkalinity, Bicarbonate (as CaCO3	•	0	0		742	mg/L	1	01/19/2024 15:49	R342036
STANDARD METHODS 2320 B					· ·-	9, =		0.7.107202.1.101.10	. 10 . 2000
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	01/19/2024 15:49	R342036
						g, <u>_</u>	•	01/10/2021 10:10	11012000
STANDARD METHODS 2540 C Total Dissolved Solids	NELAP	40	50		990	mg/L	2.5	01/22/2024 9:45	R342098
	TALES (I	70			550	mg/L	2.0	01/22/2024 0:40	110-12000
SW-846 9036 (TOTAL) Sulfate	NELAP	6	10		11	mg/L	1	01/23/2024 13:40	P3/2116
	NELAI	- 0	10			IIIg/L	<u>'</u>	01/23/2024 13:40	11042110
SW-846 9214 (TOTAL) Fluoride	NELAP	0.04	0.10		0.53	mg/L	1	01/22/2024 9:44	D3/120/12
	NELAF	0.04	0.10		0.33	IIIg/L	· ·	01/22/2024 9.44	N342042
SW-846 9251 (TOTAL)	NELAP	E	40		040	m a/l	10	04/02/2004 12:46	D242440
Chloride		5	40		246	mg/L	10	01/23/2024 13:46	K342110
SW-846 3005A, 6010B, METAL		-	0.400	_	00.2		4	04/04/0004 0:40	047505
Calcium	NELAP	0.035	0.100	S	90.3	mg/L	1	01/24/2024 9:19	
Magnesium	NELAP	0.006	0.050		36.6 2.47	mg/L	1	01/24/2024 9:19	
Potassium Sodium	NELAP NELAP	0.040 0.018	0.100 0.050	S	3.47 292	mg/L	1 1	01/24/2024 9:19 01/24/2024 9:19	
Matrix spike control limits are not a					292	mg/L	ı	01/24/2024 9.19	217595
			ne/spike i	auo.					
SW-846 3005A, 6020A, METAL			1.0		-10	ua/l	5	01/30/2024 23:48	217505
Antimony Arsenic	NELAP NELAP	0.4 0.4	1.0		< 1.0 28.1	μg/L μg/L	5	01/30/2024 23:48	
Barium	NELAP	0.4	1.0		619	μg/L μg/L	5	01/30/2024 21:30	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L μg/L	5	01/24/2024 21:30	
Boron	NELAP	9.2	25.0		126	μg/L	5	01/24/2024 21:30	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/24/2024 21:30	
Chromium	NELAP	1.0	1.5		5.3	μg/L	5	01/29/2024 22:30	
Cobalt	NELAP	0.1	1.0		1.7	μg/L	5	01/31/2024 19:18	
Lead	NELAP	0.6	1.0		2.3	μg/L	5	01/24/2024 21:30	
Lithium	*	1.4	3.0		7.6	μg/L	5	01/24/2024 21:30	
Molybdenum	NELAP	0.6	1.5		5.3	μg/L	5	01/30/2024 23:48	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	01/24/2024 21:30	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	01/30/2024 23:48	217595



NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

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

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



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-020 Client Sample ID: APW16

							, , -	17/2021 12:00			
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch		
FIELD ELEVATION MEASUR	EMENTS										
Depth to water from measuring p	oint *	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		
<b>STANDARD METHODS 18TH</b>	ED. 2580 B FIE	LD									
Oxidation-Reduction Potential	*	-300	-300		-87	mV	1	01/17/2024 12:06	R342563		
<b>STANDARD METHODS 2510</b>	B FIELD										
Spec. Conductance, Field	*	0	0		1270	μS/cm	1	01/17/2024 12:06	R342563		
<b>STANDARD METHODS 2550</b>	B FIELD										
Temperature	*	0	0		11.8	°C	1	01/17/2024 12:06	R342563		
<b>STANDARD METHODS 4500-</b>	O G FIELD										
Oxygen, Dissolved	*	0	0		0.57	mg/L	1	01/17/2024 12:06	R342563		
SW-846 9040B FIELD											
рН	*	0	1.00		7.31		1	01/17/2024 12:06	R342563		
<b>STANDARD METHODS 2320</b>	B (TOTAL) 199	7, 2011									
Alkalinity, Bicarbonate (as CaCO	3) NELAP	0	0		645	mg/L	1	01/18/2024 14:46	R341986		
<b>STANDARD METHODS 2320</b>	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) 199	7, 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	n control limits due	to matrix	interferen	ce.							
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, META	LS BY ICP (TO	TAL)									
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			
Sodium	NELAP	0.018	0.050		134	mg/L	1	01/19/2024 12:40	217566		
SW-846 3005A, 6020A, META		TOTAL)									
Antimony		0.4	1.0		< 1.0	μg/L	5	01/23/2024 21:32			
Arsenic	NELAP	0.4	1.0		22.7	μg/L	5	01/23/2024 21:32			
Barium	NELAP	0.7	1.0		557	μg/L	5	01/23/2024 21:32			
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L "	5	01/23/2024 21:32			
Boron	NELAP	9.2	25.0		124	μg/L	5	01/24/2024 19:48			
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/23/2024 21:32			
Chromium	NELAP NELAP	0.8	1.5	J	1.1	μg/L	5 5	01/29/2024 19:23			
Cobalt Lead	NELAP NELAP	0.1 0.6	1.0 1.0	J	0.3	μg/L ug/l	5 5	01/23/2024 21:32 01/23/2024 21:32			
Lead Lithium	NELAP *	1.4	3.0		< 1.0 3.3	μg/L μα/l	5 5	01/23/2024 21:32			
Molybdenum	NELAP	0.6	3.0 1.5		3.3 < 1.5	μg/L μg/L	5 5	01/30/2024 21.32			
Selenium	NELAP	0.6	1.0		< 1.5 < 1.0	μg/L μg/L	5	01/23/2024 21:32			
Thallium	NELAP	1.0	2.0		< 2.0	μg/L μg/L	5	01/23/2024 21:32			
maniam	IVLLAI	1.0	2.0		₹ 2.0	µу/∟	J	0112012024 21.32	217000		

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND
NEW-257-501

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

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

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



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-021 Client Sample ID: APW17

Matrix: GROUNDWAT	LIX				001100110	11 2 4000 0 2	1/1//2027	10125	
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring po	oint *	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 FIE	LD							
Oxidation-Reduction Potential	*	-300	-300		-37	mV	1	01/17/2024 10:25	R342563
<b>STANDARD METHODS 2510 B</b>	B FIELD								
Spec. Conductance, Field	*	0	0		1150	μS/cm	1	01/17/2024 10:25	R342563
<b>STANDARD METHODS 2550 B</b>	3 FIELD								
Temperature	*	0	0		10.3	°C	1	01/17/2024 10:25	R342563
STANDARD METHODS 4500-0	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	B (TOTAL) 1997	7, 2011							
Alkalinity, Bicarbonate (as CaCO3	B) NELAP	0	0		534	mg/L	1	01/18/2024 14:53	R341986
STANDARD METHODS 2320 B	B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	01/18/2024 14:53	R341986
STANDARD METHODS 2540 (		7, 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, METAI		•							
Calcium	NELAP	0.035	0.100		115	mg/L	1	01/19/2024 12:42	
Magnesium	NELAP	0.006	0.050		46.4	mg/L	1	01/19/2024 12:42	
Potassium	NELAP NELAP	0.040	0.100		1.81	mg/L	1	01/19/2024 12:42 01/19/2024 12:42	
Sodium		0.018	0.050		87.9	mg/L	1	01/19/2024 12:42	217300
SW-846 3005A, 6020A, METAI	LS BY ICPMS (1 NELAP	0.4	1.0		-10	ua/l	5	01/23/2024 21:38	217566
Antimony Arsenic	NELAP	0.4	1.0		< 1.0 38.5	μg/L ug/l	5 5		217566
Barium	NELAP	0.4	1.0		653	μg/L μg/L	5	01/23/2024 21:38	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/23/2024 21:38	
Boron	NELAP	9.2	25.0		84.8	μg/L	5	01/24/2024 19:54	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/23/2024 21:38	
Chromium	NELAP	8.0	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	
Lithium	*	1.4	3.0	J	2.6	μg/L	5	01/23/2024 21:38	
Molybdenum	NELAP	0.6	1.5		4.8	μg/L	5	01/30/2024 18:55	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	01/23/2024 21:38	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	01/23/2024 21:38	217566

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND
NEW-257-501

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

Client Project: NEW-24Q1 Report Date: 20-Feb-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	01/19/2024 11:05 217574



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-022 Client Sample ID: APW18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURI	EMENTS								
Depth to water from measuring pe	oint *	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
<b>STANDARD METHODS 18TH</b>	ED. 2580 B FIE	LD							
Oxidation-Reduction Potential	*	-300	-300		-60	mV	1	01/16/2024 14:45	R342563
<b>STANDARD METHODS 2510</b>	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									
Alkalinity, Bicarbonate (as CaCO	3) NELAP	0	0		507	mg/L	1	01/17/2024 14:42	R341909
STANDARD METHODS 2320	, -								
Alkalinity, Carbonate (as CaCO3)	) NELAP	0	0		0	mg/L	1	01/17/2024 14:42	R341909
STANDARD METHODS 2540	•	-							
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, META		•							
Calcium	NELAP	0.035	0.100		82.5	mg/L	1	01/18/2024 11:44	
Magnesium	NELAP	0.006	0.050		39.4	mg/L	1	01/18/2024 11:44	
Potassium	NELAP	0.040	0.100		2.81	mg/L	1 1	01/18/2024 11:44	
Sodium	NELAP	0.018	0.050		102	mg/L	I	01/18/2024 11:44	Z 1 / 404
<b>SW-846 3005A, 6020A, META</b> Antimony	NELAP	0.4	1.0		< 1.0	μg/L	5	01/23/2024 15:19	217484
Arsenic	NELAP	0.4	1.0		< 1.0 2.9	μg/L μg/L	5	01/23/2024 15:19	
Barium	NELAP	0.4	1.0		510	μg/L μg/L	5	01/23/2024 15:19	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/23/2024 15:19	
Boron	NELAP	9.2	25.0		235	μg/L	5	01/23/2024 15:19	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/23/2024 15:19	
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	
Molybdenum	NELAP	0.6	1.5		5.1	μg/L	5	01/31/2024 1:09	
Selenium 	NELAP	0.6	1.0		< 1.0	μg/L 	5	01/23/2024 15:19	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	01/23/2024 15:19	217484



APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-022 Client Sample ID: APW18

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

Client Sample ID: XPW01-pore



Lab ID: 24010247-094

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURI	EMENTS								
Depth to water from measuring pe	oint *	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 FIEI	LD							
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 FIFI D								
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	R (TOTAL) 1997	2011							
Alkalinity, Bicarbonate (as CaCO	•	0	0		0	mg/L	1	01/18/2024 10:08	R341971
STANDARD METHODS 2320	,					9/ =	·	0.7.107202.1.10100	
Alkalinity, Carbonate (as CaCO3)	· · ·	0	0		760	mg/L	1	01/18/2024 10:08	R341971
						g, <u>_</u>	•	01/10/2021 10:00	11011011
Total Dissolved Solids	NELAP	80	100		5200	mg/L	5	01/18/2024 9:15	R342029
	TTEE/ (I	- 00	100		0200	mg/L		01/10/2024 0:10	110-12020
SW-846 9036 (TOTAL) Sulfate	NELAP	307	500		2450	mg/L	50	01/19/2024 13:16	R342020
	NELA	307	300		2430	mg/L	30	01/10/2024 10:10	11042020
SW-846 9214 (TOTAL) Fluoride	NELAP	0.04	0.10		4.29	mg/L	1	01/18/2024 12:06	P3/1050
	NELAF	0.04	0.10		4.23	IIIg/L	ı	01/10/2024 12:00	134 1930
SW-846 9251 (TOTAL) Chloride	NELAP	2	20		<b>E</b> 0	ma/l	5	01/18/2024 16:57	D2/1085
			20		59	mg/L	J	01/10/2024 10.5/	K34 1905
SW-846 3005A, 6010B, META Calcium	NELAP	•	0.100		40.4	m a/l	1	04/49/2024 44:47	017404
	NELAP	0.035 0.006	0.100		12.4 0.856	mg/L	1	01/18/2024 11:47 01/18/2024 11:47	
Magnesium Potassium	NELAP	0.800	2.00		42.0	mg/L mg/L	20	01/19/2024 11:47	
Sodium	NELAP	0.360	1.00		1850	mg/L	20	01/19/2024 13:28	
			1.00		1030	mg/L	20	01/10/2024 10:20	217404
<b>SW-846 3005A, 6020A, META</b> Antimony	NELAP	0.4	1.0		1.9	μg/L	5	01/23/2024 16:23	217/18/
Arsenic	NELAP	0.4	1.0		69.7	μg/L	5	01/23/2024 16:23	
Barium	NELAP	0.7	1.0		124	μg/L	5	01/23/2024 16:23	
Beryllium	NELAP	0.2	1.0	J	0.7	μg/L	5	01/23/2024 16:23	
Boron	NELAP	9.2	25.0	Ū	18100	μg/L	5	01/23/2024 16:23	
Cadmium	NELAP	0.2	1.0	J	0.2	μg/L	5	01/23/2024 16:23	
Chromium	NELAP	0.7	1.5	-	16.5	μg/L	5	01/23/2024 16:23	
Cobalt	NELAP	0.1	1.0		2.0	μg/L	5	01/23/2024 16:23	
Lead	NELAP	0.6	1.0		11.5	μg/L	5	01/23/2024 16:23	
Lithium	*	1.4	3.0		79.4	μg/L	5	01/23/2024 16:23	
Molybdenum	NELAP	0.6	1.5		160	μg/L	5	01/31/2024 1:14	
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



APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

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

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 with	hin control limits due i	to matrix i	nterferen	ce. Verifie	d by bench spike			



Client: Ramboll Work Order: 24010247

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

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

						11 2 4000 01	, -, -		
Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREM	MENTS								
Depth to water from measuring poin	nt *	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 E	D. 2580 B FII	ELD							
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	•	-							
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		12	mg/L	1	01/17/2024 15:03	R341909
STANDARD METHODS 2320 B	,								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		37	mg/L	1	01/17/2024 15:03	R341909
STANDARD METHODS 2540 C	•	-							
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, METAL	-	-							
Calcium	NELAP	0.035	0.100		38.0	mg/L	1	01/18/2024 11:49	
Magnesium	NELAP	0.006	0.050		0.983	mg/L	1	01/18/2024 11:49	
Potassium	NELAP	0.400	1.00		19.0	mg/L	10	01/19/2024 13:30	
Sodium	NELAP	0.018	0.050		72.9	mg/L	1	01/18/2024 11:49	Z11404
SW-846 3005A, 6020A, METAL	NELAP	( <b>TOTAL)</b> 0.4	1.0		4.0	ug/l	5	01/23/2024 16:28	217494
Antimony Arsenic	NELAP	0.4	1.0		1.0 63.2	μg/L μg/L	5 5	01/23/2024 16:28	
Barium	NELAP	0.4	1.0		137	μg/L μg/L	5	01/23/2024 16:28	
Beryllium	NELAP	0.2	1.0	J	0.6	μg/L	5	01/23/2024 16:28	
Boron	NELAP	9.2	25.0	-	2390	μg/L	5	01/23/2024 16:28	
Cadmium	NELAP	0.2	1.0	J	0.5	μg/L	5	01/29/2024 20:57	
Chromium	NELAP	0.7	1.5		9.3	μg/L	5	01/23/2024 16:28	
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	
Molybdenum	NELAP	0.6	1.5		47.8	μg/L	5	01/31/2024 1:20	
Selenium	NELAP	0.6	1.0	J	0.8	μg/L 	5	01/23/2024 16:28	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	01/23/2024 16:28	217484

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND

NEW-257-501

NEW-257-501 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

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



Client: Ramboll Work Order: 24010247

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

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

Matrix: GROUNDWA	I LIX				concens	n Butet 0	1/10/2027	12.12	
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	EMENTS								
Depth to water from measuring po	oint *	0	0		9.97	ft	1	01/16/2024 12:12	R342563
<b>STANDARD METHODS 2130</b>	B FIELD								
Turbidity	*	1.0	1.0		240	NTU	1	01/16/2024 12:12	R342563
STANDARD METHODS 18TH	ED. 2580 B FIE	LD							
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	*		4.00					04/40/0004 40 40	D0.40500
рН		0	1.00		11.8		1	01/16/2024 12:12	R342563
STANDARD METHODS 2320		-	^			mc = /1	4	04/47/0004 45 00	D244000
Alkalinity, Bicarbonate (as CaCO	•	0	0		0	mg/L	1	01/17/2024 15:09	R341909
STANDARD METHODS 2320	•	0	0		455		4	04/47/0004 45 00	D044000
Alkalinity, Carbonate (as CaCO3)		0	0		155	mg/L	1	01/17/2024 15:09	R341909
STANDARD METHODS 2540	•	-	50		475	m a/l	2.5	04/49/2024 0-24	D242020
Total Dissolved Solids	NELAP	40	50		4/5	mg/L	2.5	01/18/2024 9:24	R342029
SW-846 9036 (TOTAL) Sulfate	NELAP	61	100		169	ma/l	10	01/19/2024 13:22	D242020
	NELAF	01	100		109	mg/L	10	01/19/2024 13.22	K342020
SW-846 9214 (TOTAL) Fluoride	NELAP	0.37	1.00		1.09	mg/L	10	01/18/2024 12:31	P3/1050
	NELA	0.57	1.00		1.03	IIIg/L	10	01/10/2024 12.51	11341930
SW-846 9251 (TOTAL) Chloride	NELAP	1	4		23	mg/L	1	01/18/2024 17:08	R341985
SW-846 3005A, 6010B, META						mg/ L	'	01/10/2024 17:00	110-11000
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	
Potassium	NELAP	0.400	1.00		27.8	mg/L	10	01/19/2024 13:31	
Sodium	NELAP	0.018	0.050		182	mg/L	1	01/18/2024 11:51	217484
SW-846 3005A, 6020A, META	LS 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	
Beryllium	NELAP	0.2	1.0		3.9	μg/L	5	01/23/2024 16:34	
Boron	NELAP	9.2	25.0		3380	μg/L	5	01/23/2024 16:34	
Cadmium	NELAP	0.2	1.0	J	0.8	μg/L	5	01/24/2024 16:42	
Chromium Cobalt	NELAP NELAP	0.7 0.1	1.5 1.0		51.9 7.5	μg/L	5 5	01/23/2024 16:34 01/31/2024 20:50	
Lead	NELAP NELAP	0.1	1.0		7.5 37.1	μg/L μg/L	5 5	01/23/2024 20:50	
Lithium	*	1.4	3.0		67.3	μg/L μg/L	5	01/23/2024 16:34	
Molybdenum	NELAP	0.6	1.5		123	μg/L μg/L	5	01/31/2024 1:26	
Selenium	NELAP	0.6	1.0		12.5	μg/L	5	01/23/2024 16:34	
Thallium	NELAP	1.0	2.0	J	1.2	μg/L	5	01/23/2024 16:34	



APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND
NEW-257-501

NEW-257-501 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

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



Client: Ramboll Work Order: 24010247

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

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

Matrix: GROUNDWAT	LIX				concens	n Date. U	1, 10, 202	111.25	
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring poi	int *	0	0		12.24	ft	1	01/16/2024 11:23	R342563
STANDARD METHODS 2130 E	3 FIELD								
Turbidity	*	1.0	1.0		6.2	NTU	1	01/16/2024 11:23	R342563
STANDARD METHODS 18TH E	D. 2580 B FIE	LD							
Oxidation-Reduction Potential	*	-300	-300		-150	mV	1	01/16/2024 11:23	R342563
<b>STANDARD METHODS 2510 B</b>	FIELD								
Spec. Conductance, Field	*	0	0		13600	μS/cm	1	01/16/2024 11:23	R342563
<b>STANDARD METHODS 2550 B</b>	FIELD								
Temperature	*	0	0		14.5	°C	1	01/16/2024 11:23	R342563
STANDARD METHODS 4500-C	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		7, 2011							
Alkalinity, Bicarbonate (as CaCO3)	) NELAP	0	0		0	mg/L	1	01/17/2024 15:17	R341909
STANDARD METHODS 2320 B	•								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		246	mg/L	1	01/17/2024 15:17	R341909
STANDARD METHODS 2540 C	•	•							
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, METAL	-	-						0.440/0004.44.50	0.4=40.4
Calcium	NELAP	0.035	0.100		97.3	mg/L	1	01/18/2024 11:52	
Magnesium	NELAP	0.006	0.050		0.393 85.1	mg/L	1	01/18/2024 11:52	
Potassium Sodium	NELAP NELAP	0.800 0.360	2.00 1.00		3670	mg/L mg/L	20 20	01/19/2024 13:33 01/19/2024 13:33	
			1.00		3070	mg/L	20	01/13/2024 13.33	£11704
<b>SW-846 3005A, 6020A, METAL</b> 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 μg/L	5	01/23/2024 16:40	
Barium	NELAP	0.7	1.0		144	μg/L	5	01/23/2024 16:40	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	01/23/2024 16:40	
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	
Lead	NELAP	0.6	1.0		1.1	μg/L	5	01/23/2024 16:40	
Lithium	*	1.4	3.0		41.4	μg/L	5	01/23/2024 16:40	
Molybdenum	NELAP	0.6	1.5		552	μg/L	5	01/31/2024 2:12	
Selenium	NELAP	0.6	1.0		154	μg/L	5	01/23/2024 16:40	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	01/23/2024 16:40	∠1/484

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND

NEW-257-501

NEW-257-501 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

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



APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

NEW-257-501 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

Analyses	Certificati	on MDL	RL (	Qual	Result	Units	DF	Date Analyzed Batch
FIELD ELEVATION MEASURE	MENTS							
Depth to water from measuring poi	int *	0	0		5.70	ft	1	01/15/2024 12:48 R342563



APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-099 Client Sample ID: YSG02

Analyses	Certifica	tion MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
FIELD ELEVATION MEASURE	MENTS							
Depth to water from measuring poi	nt *	0	0		3.75	ft	1	01/15/2024 10:17 R342563

APPENDIX A.

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Laboratory Results

NEWTON POWER PLANT, PRIMARY ASH POND

NEW-257-501

NEW-257-501 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

Man AQUEUUS					Сопссио	n Date: 01	, 20, 202	1 10115	
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B	3 (TOTAL) 1997	, 2011							
Alkalinity, Bicarbonate (as CaCO3)	) NELAP	0	0		1	mg/L	1	01/29/2024 12:13	R342348
STANDARD METHODS 2320 B	3 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	ŃELAP	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, METAL	S BY ICP (TOT	AL)							
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 MBLE	K for Na. Sample i	results be	elow the re	eporting lim	it are reportabl	le per the TN	I Standaro	!	
SW-846 3005A, 6020A, METAL	S BY ICPMS (1	OTAL)							
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	
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 MBLI	K. Sample results	below the	e reportin	g limit are re	eportable per t	he TNI Stand	lard.		
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	μg/L	1	01/30/2024 8:26	217927



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-102Client Sample ID: APW02 DuplicateMatrix: GROUNDWATERCollection Date: 01/18/2024 13:35

Wattis: GROUNDWATER Confection Date: 01/10/2024 15.55									
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	EMENTS								
Depth to water from measuring po	oint *	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
<b>STANDARD METHODS 18TH</b>	ED. 2580 B FIE	LD							
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									
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								0.1.1.0.10 == = -	Ba (a===
pH	*	0	1.00		6.59		1	01/18/2024 13:35	R342563
STANDARD METHODS 2320		-				,,		04/40/0004 40 55	D0 40000
Alkalinity, Bicarbonate (as CaCO	,	0	0		610	mg/L	1	01/19/2024 16:28	R342036
STANDARD METHODS 2320	,				_				
Alkalinity, Carbonate (as CaCO3)		0	0		0	mg/L	1	01/19/2024 16:28	R342036
STANDARD METHODS 2540		•	<b>50</b>		<b>5110</b>	4	0.5	04/00/0004 44 00	D040454
Total Dissolved Solids	NELAP	40	50		5140	mg/L	2.5	01/23/2024 11:02	R342154
SW-846 9036 (TOTAL)	NEL AD	044	4000		0.100	4	400	04/00/0004 45 05	D040440
Sulfate	NELAP	614	1000		3180	mg/L	100	01/23/2024 15:25	R342116
SW-846 9214 (TOTAL)	NELAD	0.04	0.40		0.00	/I	4	04/00/0004 0-00	D240040
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		446		_	04/02/2004 45:40	D242440
			20		116	mg/L	5	01/23/2024 15:19	K342110
<b>SW-846 3005A, 6010B, META</b> Calcium	NELAP	0.035	0.100		467	mg/L	1	01/24/2024 9:39	217505
Magnesium	NELAP	0.006	0.100		430	mg/L	1	01/24/2024 9:39	
Potassium	NELAP	0.040	0.100		6.89	mg/L	1	01/24/2024 9:39	
Sodium	NELAP	0.018	0.050		407	mg/L	1	01/24/2024 9:39	
SW-846 3005A, 6020A, META						J. –			
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	
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	
Chromium	NELAP	1.0	1.5		1.6	μg/L	5	01/29/2024 19:54	
Cobalt	NELAP	0.1	1.0		< 1.0	μg/L	5	01/31/2024 20:38	
Lead	NELAP *	0.6	1.0		< 1.0	μg/L	5	01/24/2024 21:18	
Lithium		1.4	3.0		121	μg/L	5 5	01/24/2024 21:18	
Molybdenum Selenium	NELAP NELAP	0.6 0.6	1.5 1.0		1.7 < 1.0	μg/L μg/L	5 5	01/30/2024 23:25 01/24/2024 21:18	
Thallium	NELAP	1.0	2.0		< 1.0 < 2.0	μg/L μg/L	5 5	01/29/2024 21.16	
mamam	INLLAI	1.0	۷.0		₹ 2.0	µу/∟	J	0112012024 10.04	211000

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

NEW-257-501 http://www.teklabinc.com/

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

Client Sample ID: Equipment Blank 1



Lab ID: 24010247-105

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

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

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 E	3 (TOTAL) 1997	, 2011							
Alkalinity, Bicarbonate (as CaCO3	) NELAP	0	0		3	mg/L	1	01/24/2024 11:57	R342153
STANDARD METHODS 2320 E	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, METAL	S BY ICP (TOT	AL)				-			
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, METAL	S BY ICPMS (T	OTAL)							
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	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	01/31/2024 7:02	
Lithium	*	1.4	3.0		< 3.0	μg/L	5	02/01/2024 2:11	
Molybdenum	NELAP	1.3	1.5		< 1.5	μg/L	5	01/31/2024 7:02	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	01/31/2024 7:02	
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



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, METAL	S BY ICP (TOT	AL)							
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, METAL	S BY ICPMS (T	OTAL)							
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



Client: Ramboll Work Order: 24010247

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

Lab ID: 24010247-107Client Sample ID: Equipment Blank 3Matrix: AQUEOUSCollection 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)						<u>-</u>			
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, METAL		'ΔΙ \				J			
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	
Potassium	NELAP	0.040	0.100		< 0.100	mg/L	1	01/29/2024 17:32	
Sodium	NELAP	0.018	0.050	BJ	0.025	mg/L	1	01/29/2024 17:32	217908
Contamination present in the MBLP	K for Na. Sample	results be	low the re	eporting li		_	II Standard.		
SW-846 3005A, 6020A, METAL	S BY ICPMS (1	OTAL)		, ,		·			
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 MBLE	K. Sample results	below the	e reportin	g limit are	reportable per th	ne TNI Stan	dard.		
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	μg/L	1	01/30/2024 8:31	217927



# **Sample Summary**

http://www.teklabinc.com/

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
	1 1	1		



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Client: Ramboll Work Order: 24010247

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

Batch R342563 SampType:	LCS		Units µS/cn	n						
SampID: LCS-R342563-1										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	-
Spec. Conductance, Field	*	0		1410	1412	0	99.6	90	110	01/16/202
Batch R342563 SampType:	LCS		Units µS/cn	n						
SampID: LCS-R342563-10						00//0 ///				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	Ū	
Spec. Conductance, Field	*	0		1420	1412	0	100.6	90	110	01/23/202
Batch R342563 SampType:	LCS		Units µS/cr	n						
SampID: LCS-R342563-11										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field	*	0		1420	1412	0	100.8	90	110	01/24/202
Batch R342563 SampType:	LCS		Units µS/cr	n						
SampID: LCS-R342563-12										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field	*	0		1420	1412	0	100.6	90	110	01/25/202
Batch R342563 SampType:	LCS		Units µS/cr	n						
SampID: LCS-R342563-13										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field	*	0		1420	1412	0	100.8	90	110	01/26/202
Batch R342563 SampType:	LCS		Units µS/cr	n						
SampID: LCS-R342563-2										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	01/17/202
Batch R342563 SampType:	LCS		Units µS/cr	n						
SampID: LCS-R342563-3										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field	*	0		1410	1412	0	99.8	90	110	01/18/202
Batch R342563 SampType:	LCS		Units µS/cr	n						
SampID: LCS-R342563-4										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field	*	0		1410	1412	0	99.8	90	110	01/23/202



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Batch R342563         SampType:         LCS         Units μS/cm           SampID:         LCS-R342563-6         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed           Spec. Conductance, Field         * 0         1420         1412         0         100.6         90         110         01/25/202           Batch R342563         SampType:         LCS         Units μS/cm         SampID:         LCS-R342563-7         LOS         Low Limit         High Limit         Analyzed           Analyzes         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed           Spec. Conductance, Field         * 0         1420         1412         0         100.5         90         110         01/16/202           Batch R342563         SampType:         LCS         Units μS/cm         Spec. Conductance, Field         * 0         1420         1412         0         100.6         90         110         01/17/202           Batch R342563         SampType:         LCS         Units μS/cm         Spec. Conductance, Field         * 0         1420	STANDARD METHODS 2510 E										
Analyses		LCS		Units µS/cm	า						
Spec. Conductance, Field	SampID: LCS-R342563-5										
Batch R342563   SampType:   LCS   Units µS/cm   Spike   Spik	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Date	Spec. Conductance, Field	*	0		1410	1412	0	99.9	90	110	01/24/2024
Spec. Conductance, Field         * 0         1420         1412         0         100.6         90         110         01/25/202           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         Analyzed Analyzed           Batch R342563         SampType: LCS         Units μS/cm         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Date Analyzed Analyzed           Spec. Conductance, Field         * 0         1420         1412         0         100.5         90         110         01/16/202           Batch R342563         SampType: LCS         Units μS/cm         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed Analyzed           Spec. Conductance, Field         * 0         1420         1412         0         100.6         90         110         01/17/202           Batch R342563         SampType: LCS         Units μS/cm         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Date Analyzed           Spec. Conductance, Field		LCS		Units µS/cm	1						Date
Batch R342563 SampType: LCS         Units μS/cm           SamplD:         LCS-R342563-7         Date Analyzed           Analyses         Cert         RL         Qual Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Date Analyzed Analyzed           Spec. Conductance, Field         *         0         1420         1412         0         100.5         90         110         01/16/202           Batch R342563 SampType: LCS         Units μS/cm         Spec. Conductance, Field         *         0         1420         1412         0         100.6         90         110         01/17/202           Batch R342563 SampType: LCS         Units μS/cm         Spec. Conductance, Field         *         0         1420         1412         0         100.6         90         110         01/17/202           Batch R342563 SampType: LCS         Units μS/cm         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed           SampID: LCS-R342563-9         Units         Low Limit         High Limit         Analyzed         Analyzed         SPK Ref Val         %REC         Low Limit         High Limit         <	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID:         LCS-R342563-7         Analyses         Cert RL Qual Result         Spike SPK Ref Val %REC Low Limit High Limit Analyzed         Date Analyzed           Spec. Conductance, Field         * 0         1420         1412         0         100.5         90         110         01/16/202           Batch R342563 SampType: LCS         Units μS/cm           SampID:         LCS-R342563-8         LCS Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyzed         Date Analyzed           Spec. Conductance, Field         * 0         1420         1412         0         100.6         90         110         01/17/202           Batch R342563 SampType: LCS         Units μS/cm         SampID: LCS-R342563-9         SPK Ref Val %REC Low Limit High Limit Analyzed           Spec. Conductance, Field         * 0         1400         1412         0         99.0         90         110         01/18/202           SampID: LCS-R342563-9         Spec. Conductance, Field         * 0         1400         1412         0         99.0         90         110         01/18/202           SampID: LCS-R3425631         SampID: LCS-R342563-10         Spike SPK Ref Val %REC Low Limit High Limit Analyzed         Analyzed<	Spec. Conductance, Field	*	0		1420	1412	0	100.6	90	110	01/25/2024
Spec. Conductance, Field   * 0   1420   1412   0   100.5   90   110   01/16/202		LCS		Units µS/cn	1						
Batch R342563   SampType:   LCS   Units µS/cm	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID: LCS-R342563-8         Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed Analyzed Analyzed           Spec. Conductance, Field         *         0         1420         1412         0         100.6         90         110         01/17/202           Batch R342563         SampType:         LCS         Units µS/cm         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed           SemplD:         LCS-R342563         SampType:         LCS         Units         Units         Units         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed           Batch R342563         SampType:         LCS         Units         Units         Units         Units         Units         Units	Spec. Conductance, Field	*	0		1420	1412	0	100.5	90	110	01/16/2024
Spec. Conductance, Field   * 0   1420   1412   0   100.6   90   110   01/17/202		LCS		Units µS/cm	1						Date
Batch R342563 SampType: LCS         Units μS/cm           SamplD: LCS-R342563-9         Date Analyses         Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyzed         Date Analyzed           Spec. Conductance, Field         * 0         1400         1412         0         99.0         90         110         01/18/202           SW-846 9040B FIELD           Batch R342563 SampType: LCS         Units           SampID: LCS-R342563-1         Spike SPK Ref Val Rec Low Limit High Limit Analyzed         Date Analyzed           pH         * 1.00         7.09         7.000         0         101.3         98.57         101.4         01/16/202           Batch R342563 SampType: LCS         Units           SampID: LCS-R342563-10         LCS         Units           Analyses         Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyzed         Date Analyzed	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SamplD: LCS-R342563-9           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed           Sw-846 9040B FIELD           Batch R342563 SampType: LCS         Units           SampID: LCS-R342563-1         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed           pH         *         1.00         7.09         7.000         0         101.3         98.57         101.4         01/16/202           Batch R342563 SampType: LCS         Units           SampID: LCS-R342563-10         LCS         Units           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Date           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed	Spec. Conductance, Field	*	0		1420	1412	0	100.6	90	110	01/17/2024
Spec. Conductance, Field   * 0   1400   1412   0   99.0   90   110   01/18/202		LCS		Units µS/cm	1						
SW-846 9040B FIELD           Batch R342563 SampType: LCS Units           SampID: LCS-R342563-1         Spike SPK Ref Val MREC Low Limit High Limit Analyzed           pH         * 1.00         7.09         7.000         0         101.3         98.57         101.4         01/16/202           Batch R342563 SampType: LCS         Units           SampID: LCS-R342563-10         Units         Date Analyzed           Analyses         Cert RL Qual Result         Spike SPK Ref Val MREC Low Limit High Limit High Limit         Date Analyzed	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Batch R342563         SampType: LCS         Units           SampID: LCS-R342563-1         LCS-R342563-1         Date Analyses           PH         * 1.00         7.09         7.000         0         101.3         98.57         101.4         01/16/202           Batch R342563         SampType: LCS         Units           SampID: LCS-R342563-10         LCS-R342563-10         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed	Spec. Conductance, Field	*	0		1400	1412	0	99.0	90	110	01/18/2024
SampID: LCS-R342563-1         Date Analyses         Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyzed         Date Analyzed           pH         * 1.00         7.09         7.000         0         101.3         98.57         101.4         01/16/202           Batch R342563 SampType: LCS         Units           SampID: LCS-R342563-10         Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit         Date Analyzed	SW-846 9040B FIELD										
Analyses         Cert         RL         Qual         Result         Spike         Strike val         MRLC         Low Limit         High Limit         Factor           pH         *         1.00         7.09         7.000         0         101.3         98.57         101.4         01/16/202           Batch R342563         SampType:         LCS         Units           SampID:         LCS-R342563-10         LCS-R342563-10         Date           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed		LCS		Units							
Batch       R342563       SampType:       LCS       Units         SampID:       LCS-R342563-10       LCS-R342563-10       Date         Analyses       Cert       RL       Qual       Result       Spike       SPK Ref Val       %REC       Low Limit       High Limit       Analyzed	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID: LCS-R342563-10  Analyses Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyzed	рН	*	1.00		7.09	7.000	0	101.3	98.57	101.4	01/16/2024
Analyses Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyzed	2 41011	LCS		Units							Data
Year Section April 2007	•	Cert	RI	Qual	Result	Snike	SPK Ref Val	%REC	Low Limit	High Limit	
				Quai						J	01/23/202



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SW-846 9040B FIELD										
Batch         R342563         SampType:           SampID:         LCS-R342563-11	LCS		Units							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН	*	1.00		7.03	7.000	0	100.4	98.57	101.4	01/24/2024
Batch R342563 SampType: SampID: LCS-R342563-12	LCS		Units							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	01/25/2024
Batch         R342563         SampType:           SampID:         LCS-R342563-13	LCS		Units							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН	*	1.00		7.01	7.000	0	100.1	98.57	101.4	01/26/2024
Batch R342563 SampType: SampID: LCS-R342563-2	LCS		Units							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН	*	1.00		7.08	7.000	0	101.1	98.57	101.4	01/17/2024
Batch R342563 SampType: SampID: LCS-R342563-3			Units			CDK D-t V-l	0/050	Lauri imit	I limb I incis	Date Analyzed
Analyses	Cert *	RL	Qual	Result	Spike	SPK Ref Val		Low Limit		
рН	*	1.00		7.09	7.000	0	101.3	98.57	101.4	01/18/2024
Batch R342563 SampType: SampID: LCS-R342563-4	LCS		Units							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	Ū	Analyzed
рН	*	1.00		7.08	7.000	0	101.1	98.57	101.4	01/23/2024
Batch R342563 SampType: SampID: LCS-R342563-5	LCS		Units							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН	*	1.00		7.10	7.000	0	101.4	98.57	101.4	01/24/2024
Batch R342563 SampType:	LCS		Units							Dete
SampID: LCS-R342563-6										Date
SampID: LCS-R342563-6 Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed



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SW-846 9040B FIELD										
Batch R342563 SampType:	LCS		Units							
SampID: LCS-R342563-7										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН	*	1.00		7.01	7.000	0	100.1	98.57	101.4	01/16/202
Batch R342563 SampType:	LCS		Units							
SampID: LCS-R342563-8 Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00	Quai	7.01	7.000	0	100.1	98.57	101.4	01/17/202
Batch R342563 SampType:	LCS		Units							
SampID: LCS-R342563-9										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН	*	1.00		7.08	7.000	0	101.1	98.57	101.4	01/18/202
EPA 600 350.1 (DISSOLVED)										
Batch R342034 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	01/22/202
Batch R342034 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)	COIT	0.10	Quui	1.02	1.000	0	102.4	90	110	01/22/202
<b>Batch R342034 SampType:</b> SampID: 24010247-062FMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)	CCIT	1.00	Quai	24.1	20.00	4.909	96.2	90	110	01/22/202
Batch R342034 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SamplD: 24010247-062FMSD			J IIIg/L					. (1 5 6		Date
										Dale
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed



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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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	nit <b>10</b>	
SampID: 24011294-001CMSD						0014.0	0/ DE 0	DDD D () (		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		
Nitrogen, Ammonia (as N)		0.20	S	4.11	4.000	1.119	74.7	4.127	0.49	01/22/2024
<b>Batch R342034 SampType:</b> SampID: 24011300-007BMS	MS		Units mg/L							Doto
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)	CCIT	0.10	Quai	1.95	2.000	0	97.4	90	110	01/22/2024
Batch R342034 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24011300-007BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	nit <b>10</b>	
SampID: 24011334-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	nit <b>10</b>	
SampID: 24011359-011EMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
		_		1.92						



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EPA 600 350.1 (DISSOLVED)										
Batch         R342157         SampType:           SampID:         24010247-059EMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.96	2.000	0.07300	94.4	90	110	01/24/202
Batch R342157 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24010247-059EMSD	~				~	0DK D - ( ) / - I	0/ DEO	DDD D-(1)/-	-1 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike		%REC	RPD Ref Va		•
Nitrogen, Ammonia (as N)		0.10		1.97	2.000	0.07300	94.6	1.960	0.31	01/24/202
Batch         R342284         SampType:           SampID:         24010247-036EMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.92	2.000	0	96.2	90	110	01/26/202
<b>Batch R342284 SampType:</b> SampID: 24010247-036EMSD	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
,	C	DI	0 1	D 1	G 11	SPK Ref Val	% DEC	RPD Ref Va	d %PDD	Date Analyzed
Analyses  Nitrogen, Ammonia (as N)	Cert	0.10	Qual	Result	Spike 2.000	0	96.8	1.925	0.57	01/26/202
Batch R342284 SampType:	Me		Units mg/L							
SampID: 24010247-044EMS	IVIO		Office HighL							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.93	2.000	0	96.7	90	110	01/26/202
Batch R342284 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24010247-044EMSD						001/0 ///		555 5 414		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		•
Nitrogen, Ammonia (as N)		0.10		1.91	2.000	0	95.5	1.934	1.25	01/26/202
Batch         R342284         SampType:           SampID:         24010247-092FMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10	E	6.39	2.000	4.567	91.0	90	110	01/26/202
Batch R342284 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24010247-092FMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10	E	6.42	2.000	4.567	92.8	6.386	0.59	01/26/202



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EPA 600 350.1 (DIS	SSOLVED)										
Batch R342356	SampType:	MS		Units mg/L							
SampID: 24011768-0	001CMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (a	s N)		0.10		1.93	2.000	0	96.4	90	110	01/29/2024
Batch R342356	SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24011768-0	001CMSD										Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzeu
Nitrogen, Ammonia (a	s 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: 24011814-0	001EMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (a	s N)		0.10		1.87	2.000	0	93.6	90	110	01/29/2024
Batch R342356	SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24011814-0	001EMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Ammonia (a	s N)		0.10		1.89	2.000	0	94.6	1.872	1.01	01/29/2024
STANDARD METH	ODS 2540 C	C (TOTAL)	) 1997	, 2011							
Batch R342029	SampType:	MBLK		Units mg/L							
SampID: MBLK											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	01/18/2024
Batch R342029	SampType:	LCS		Units mg/L							
SampID: LCS											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		940	1000	0	94.0	90	110	01/18/2024
Batch R342029	SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24010247-0	016ADUP										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids			20		1640				1666	1.33	01/18/2024



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Total Dissolved Solids 20 132 132 132.0 0.00 01/18/  Batch R342053 SampType: MBLK	STANDARD METHODS 2540 (	C (TOTAL	) 1997	', <b>2011</b>							
Analyses	Batch R342029 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
Total Dissolved Solids   20   132   132.0   0.00   01/18/2   Batch R342053   SampType: MBLK   Units mg/L   SampID: MBLK   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RED   Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert	SampID: 24011105-004ADUP										
Batch R342053   SampType: MBLK   Units mg/L   Samplo: MBLK   Units mg/L   Samplo: MBLK   Oual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Date   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Date	Total Dissolved Solids		20		132				132.0	0.00	01/18/202
Total Dissolved Solids		MBLK		Units mg/L							Date
Batch R342053   SampType:   LCS	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Date	Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	01/19/202
Total Dissolved Solids		LCS		Units mg/L							
Batch R342053 SampType:         DUP         Units mg/L         Spike         SPK Ref Val         RRPD Limit         10         Date Analyses         Cert RL Qual Result         Spike Spike         SPK Ref Val         RRPD Limit         10         Analyses Analyses         Cert RL Qual Result         Spike Sp	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Date	Total Dissolved Solids		20		926	1000	0	92.6	90	110	01/19/202
Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyzer           Total Dissolved Solids         20         3270         3190         2.42         01/19/2           Batch R342098         SampType:         MBLK         Units mg/L         SampID:         SPK Ref Val         %REC         Low Limit         High Limit         Analyzer           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzer           Total Dissolved Solids         20         <20		DUP		Units mg/L					RPD Lir	mit <b>10</b>	
Total Dissolved Solids   20   3270   3190   2.42   01/19/2   Batch R342098   SampType:   MBLK   Units mg/L   SampID:   MBLK	SampID: 24011270-002BDUP										
Batch R342098 SampType:         MBLK         Units mg/L           SampID:         MBLK         MBLK         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyze           Total Dissolved Solids         20         <20	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Date	Total Dissolved Solids		20		3270				3190	2.42	01/19/202
Total Dissolved Solids   20		MBLK		Units mg/L							Date
Total Dissolved Solids   20	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Batch R342098 SampType: LCS         Units mg/L           SampID: LCS         Date           Analyses         Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyz           Total Dissolved Solids         20         918         1000 0         91.8         90         110         01/22/3           Total Dissolved Solids         20         940         1000 0         94.0         90         110         01/22/3           Batch R342098 SampType: DUP         Units mg/L         RPD Limit 10           SampID: 24011359-013BDUP         Date Analyses         Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD         Analyzer	Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	01/22/202
SampID:         LCS      Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyze           Total Dissolved Solids         20         918         1000         0         91.8         90         110         01/22/2           Total Dissolved Solids         20         940         1000         0         94.0         90         110         01/22/2           Batch R342098         SampType:         DUP         Units mg/L         RPD Limit 10           SampID:         24011359-013BDUP         Date           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyze	Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	01/22/202
Total Dissolved Solids   20   918   1000   0   91.8   90   110   01/22/2   Total Dissolved Solids   20   940   1000   0   94.0   90   110   01/22/2   Batch R342098   SampType: DUP   Units mg/L   RPD Limit 10     SampID: 24011359-013BDUP   Date   Analyses   Cert   RL   Qual   Result   Spike   SPK   Ref   Val   %REC   RPD   Ref   Val   %RPD   Analyzes   Analyzes   Analyzes   Result   Spike   SPK   Ref   Val   %REC   RPD   Ref   Val   %RPD   Analyzes   Analyzes   RPD   Ref   Val   %RPD   Analyzes   RPD   Ref   Val   %RPD		LCS		Units mg/L							
Total Dissolved Solids         20         940         1000         0         94.0         90         110         01/22/2           Batch R342098 SampType: DUP         Units mg/L         RPD Limit 10           SampID: 24011359-013BDUP         Date Analyses           Analyses         Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD         Analyze	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
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 Analyz	Total Dissolved Solids		20		918	1000	0	91.8	90	110	01/22/202
SampID: 24011359-013BDUP  Analyses Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD Analyz	Total Dissolved Solids		20		940	1000	0	94.0	90	110	01/22/202
Analyses Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD Analyz		DUP		Units mg/L					RPD Lir	mit <b>10</b>	
Alianyses Cert KL Quai Result Spike Circulation value	·	C	DI	0 1	D 1:	G '1	SDK Dof Vol	0/ DEC	DDD Bof V		Date Analyzed
		Cert		Qual		Spike	SPN Ker val	%KEU			01/22/202



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Analyses		SampType:	MBLK		Units mg/L							
Part	SampID: MBLK							00//0 ///				
Batch R342154   SampType: LCS	•		Cert		Qual		•					
Date	Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	01/23/2024
Total Dissolved Solids   20   958   1000   0   95.8   90   110   01/23/25		SampType:	LCS		Units mg/L							Date
Batch R342154   SampType:   DUP	Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Date	Total Dissolved Solids			20		958	1000	0	95.8	90	110	01/23/2024
Analyses			DUP		Units mg/L					RPD Lir	nit <b>10</b>	
Total Dissolved Solids   50   5000   5310   5.91   01/23/.   Batch R342206   SampType: MBLK   Units mg/L   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spik	·	JUSADUP	a	D.1		<b>D</b>	a	CDK D-f \/-l	0/ DEC	DDD D-41/	-I 0/DDD	
Batch R342206   SampType:   MBLK	,		Cert		Qual		Spike	SPK Ket Val	%KEU			•
SampID:         MBLK         Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyse           Total Dissolved Solids         20         <20	Total Dissolved Solids			50		5000				5310	5.91	01/23/2024
Analyses		SampType:	MBLK		Units mg/L							Doto
Total Dissolved Solids			Cert	RI	Qual	Result	Snike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID: LCS   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RD   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Analyzes   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Analyzes   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Analyzes   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Analyzes   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Analyzes   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Analyzes   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   Analyzes   Cert   RL   Qual   Resu	,		CCIT		Quai		•					01/24/2024
Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzer           Total Dissolved Solids         20         970         1000         0         97.0         90         110         01/24/2           Batch R342206         SampType:         DUP         Units mg/L         RPD Limit         10	Batch R342206	SampType:	LCS		Units mg/L							
Total Dissolved Solids   20   970   1000   0   97.0   90   110   01/24/2   Batch R342206   SampType: DUP   Units mg/L   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Analyzes   SampType: MBLK   Units mg/L   SampID: MBLK   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Date   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Date   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Date   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Date   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Date   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Date   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val	·		<b>a</b> .	DI	0.1	D 1	0.11	SDK Pof Val	% DEC	Low Limit	∐iah Limit	Date Analyzed
Batch R342206 SampType:         DUP         Units mg/L         RPD Limit 10           SampID:         24010247-059ADUP         Date           Analyses         Cert RL Qual Result         Spike SPK Ref Val %REC RPD Ref Val %RPD         Analyzer           Total Dissolved Solids         20         830         804.0         3.18         01/24/2           Batch R342265 SampType:         MBLK         Units mg/L         Spike SPK Ref Val %REC Low Limit High Limit         Date Analyzer           Analyses         Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit         Analyzer         Analyzer           Total Dissolved Solids         20         <20	•		Cert		Qual		·					•
SampID: 24010247-059ADUP   Date   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref   Val   %REC   RPD Ref   Val   %RPD   Analyzes   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref   Val   %REC   RPD Ref   Val   %RPD   Analyzes   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref   Val   %REC   Low Limit   High Limit   Analyzes   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref   Val   %REC   Low Limit   High Limit   Analyzes   Analyzes   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref   Val   %REC   Low Limit   High Limit   Analyzes   Analyzes   Analyzes   Cert   RIL   Qual   Result   Spike   SPK Ref   Val   %REC   Low Limit   High Limit   Analyzes   Analyzes   Analyzes   Cert   RIL   Qual   Result   Spike   SPK Ref   Val   %REC   Low Limit   High Limit   Analyzes   Analyzes   Cert   RIL   Qual   Result   Spike   SPK Ref   Val   %REC   Low Limit   High Limit   Analyzes   Cert   RIL   Qual   Result   Spike   SPK Ref   Val   %REC   Low Limit   High Limit   Analyzes   Cert   RIL   Qual   Result   Spike   SPK Ref   Val   %REC   Low Limit   High Limit   Analyzes   Cert   RIL   Qual   Result   Spike   SPK Ref   Val   %REC   Low Limit   High Limit   Analyzes   Cert   RIL   Qual   Result   Spike   SPK Ref   Val   %REC   Low Limit   High Limit   Analyzes   Cert   RIL   Qual   Result   Spike   SPK Ref   Val   %REC   Low Limit   High Limit   Analyzes   Cert   RIL   Qual   Result   Spike   SPK Ref   Val   %REC   Low Limit   High Limit   Analyzes   Cert   RIL   Qual   Result   Spike   SPK Ref   Val   %REC   Low Limit   High Limit   Analyzes   Cert   RIL   Qual   Result   Spike   SPK Ref   Val   %REC   Cow Limit   RIL   Nality   Cert   RIL   Nality	I otal Dissolved Solids			20		970	1000	U	97.0	90	110	01/24/2024
Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyzer           Total Dissolved Solids         20         830         804.0         3.18         01/24/3           Batch R342265         SampType:         MBLK         Units mg/L         Date         Analyzer         Low Limit         High Limit         Analyzer           Total Dissolved Solids         20         <20			DUP		Units mg/L					RPD Lir	nit <b>10</b>	Date
Batch R342265 SampType: MBLK Units mg/L SampID: MBLK  Analyses Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyze  Total Dissolved Solids 20 <20 16.00 0 0 -100 100 01/25/3  Batch R342265 SampType: LCS Units mg/L SampID: LCS  Date	Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
SampID:         MBLK         Date Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyz           Total Dissolved Solids         20         < 20	Total Dissolved Solids			20		830				804.0	3.18	01/24/2024
Total Dissolved Solids 20 <20 16.00 0 0 -100 100 01/25/2  Batch R342265 SampType: LCS Units mg/L  SampID: LCS  Date		SampType:	MBLK		Units mg/L							Date
Batch R342265 SampType: LCS Units mg/L SampID: LCS Date	Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID: LCS  Date							16.00	0	0	-100	100	01/25/2024
Angler		SampType:	LCS		Units mg/L							Date
Tanaryood Cort RD Outil Result Spire Time Till Till Till Till Till Till Till Til	SampID: LCS											



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Batch R342265	SampType:	DUP		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24010247-00	D2ADUP										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids			20		2130				2124	0.28	01/25/2024
Batch R342316 SampID: MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	01/26/2024
Batch R342316 SampID: LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		970	1000	0	97.0	90	110	01/26/202
Batch R342377 SampID: MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	01/29/202
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	01/29/202
Batch R342377 SampID: LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		944	1000	0	94.4	90	110	01/29/202
<b>Batch R342377</b> SampID: 24010247-02	SampType: 25ADUP	DUP		Units mg/L					RPD Lir	mit <b>10</b>	Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids		CCIT	20	Quai	924	Брікс			910.0	1.53	01/29/202
Batch R342436 S	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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Client: Ramboll Work Order: 24010247

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

STANDARD METH	HODS 2540 (	C (TOTAL)	1997	', 2011							
Batch R342436 SampID: LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids	S		20		960	1000	0	96.0	90	110	01/30/2024
Batch R342512 SampID: MBLK	SampType:	MBLK		Units <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids	S		20		< 20	16.00	0	0	-100	100	01/31/2024
Batch R342512 SampID: LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids	S		20		966	1000	0	96.6	90	110	01/31/202
Batch R342697 SampID: MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids	S		20		< 20	16.00	0	0	-100	100	02/05/202
Batch R342697 SampID: LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids	S		20		952	1000	0	95.2	90	110	02/05/202
<b>Batch R342697</b> SampID: 24020177-	SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
Analyses	.003BD0P	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Total Dissolved Solids	s		20		752				762.0	1.32	02/05/202
Batch R342760 SampID: MBLK	SampType:			Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	02/06/202
Total Dissolved Solids	S		20		< 20	16.00	0	0	-100	100	02/06/202



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STANDARD METH	1000 2340 (	(IOIAL	1991	, 2011							
Batch R342760 SampID: LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids	3		20		936	1000	0	93.6	90	110	02/06/202
Total Dissolved Solids	3		20		934	1000	0	93.4	90	110	02/06/202
<b>Batch R342760</b> SampID: 24011852-	SampType:	DUP		Units mg/L					RPD Lir	nit <b>10</b>	
Analyses	001AD01	Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	RPD Ref V	al %RPD	Date Analyzed
Total Dissolved Solids	3	Cert	20	Quai	608	Spike	Of Refer val	701120	610.0	0.33	02/06/202
Batch R342760	SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24020221-	001ADUP										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids	5		20		2940				2932	0.20	02/06/202
STANDARD METH			SSOL		2011						
Batch R341969 SampID: MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N	)		0.05		< 0.05	0.0250	0	0	-100	100	01/18/202
Nitrogen, Nitrite (as N	)		0.05		< 0.05	0.0250	0	0	-100	100	01/18/202
Batch R341969 SampID: LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N	)	COIT	0.05	Quui	0.32	0.3045	0	103.8	90	110	01/18/202
Nitrogen, Nitrite (as N	)		0.05		0.32	0.3045	0	104.4	90	110	01/18/202
<b>Batch R341969</b> SampID: 24011236-	SampType: 001AMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N	)		0.25		3.18	2.500	0.3650	112.6	85	115	01/18/202
Batch R341969	SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24011236- Analyses	001AMSD	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Nitrite (as N		COL	0.25	Quui	3.18	2.500	0.3650	112.6	3.180	0.00	01/18/202



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Nitrogen, Nitrite (as N)	Batch R341969 SampType:	MS		Units mg/L							
Mittogen, Nitrite (as N)	SampID: 24011262-001AMS										
Batch R341969	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Date	Nitrogen, Nitrite (as N)		0.05		0.45	0.5000	0	89.6	85	115	01/18/2024
Analyses		MSD		Units mg/L					RPD Lin	nit <b>10</b>	
Nitrogen, Nitrite (as N)	·						001/0 ///				
Batch R342028   SampType: MBLK   Units mg/L   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyza   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyza   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyza   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyza   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyza   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyza   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyza   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyza   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyza   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Date   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Date   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyze   Analyze   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyze   Analyze   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyze   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyze   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyze   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyze   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyze   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyze   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyze   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Li	•	Cert		Qual		•					•
Date	Nitrogen, Nitrite (as N)		0.05		0.45	0.5000	0	89.2	0.4480	0.45	01/18/2024
Analyses		MBLK		Units mg/L							Doto
Nitrogen, Nitrite (as N) 0.05 < 0.05 0.0250 0 0 0 -100 100 01/19/2  Batch R342028 SampType: LCS Units mg/L SamplD: LCS Analyses Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyzo Date Analyses Nitrogen, Nitrite (as N) 0.05 0.30 0.3045 0 100.2 90 110 01/19/2  Batch R342028 SampType: MS Units mg/L SamplD: 24010247-060BMS Analyses Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyzo Nitrogen, Nitrite (as N) 0.05 0.53 0.5000 0 106.0 85 115 01/19/2  Batch R342028 SampType: MSD Units mg/L SamplD: 24010247-060BMSD Analyses Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD Date Analyzo Nitrogen, Nitrite (as N) 0.05 0.55 0.5000 0 109.2 0.5300 2.97 01/19/2  Batch R342028 SampType: MS Units mg/L SamplD: 24010247-061BMS Analyses Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD Date Analyzo Nitrogen, Nitrite (as N) 0.05 0.56 0.5000 0.01500 108.2 85 115 01/19/2  Batch R342028 SampType: MS Units mg/L SamplD: 24010247-061BMS Analyses Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyzo Nitrogen, Nitrite (as N) 0.05 0.56 0.5000 0.01500 108.2 85 115 01/19/2  Batch R342028 SampType: MSD Units mg/L SamplD: 24010247-061BMSD RPD Limit 10  Date Analyses Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyzo Nitrogen, Nitrite (as N) 0.05 0.56 0.5000 0.01500 108.2 85 115 01/19/2  Batch R342028 SampType: MSD Units mg/L  RPD Limit 10  Date Analyses RPD Limit 10  Date Analyzo Nitrogen, Nitrite (as N) 0.05 0.56 0.5000 0.01500 108.2 85 115 01/19/2	•	Cert	RI.	Oual	Result	Snike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SamplD: LCS	•	COIT		Quui			0	0		J	01/19/2024
SampID:         LCS           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyze           Batch R342028         SampType:         MS         Units mg/L         SampID:         24010247-060BMS         SPK Ref Val         %REC         Low Limit         High Limit         Analyze           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyze           Batch R342028         SampType:         MSD         Units mg/L         RPD Limit         10         Date           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyze           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Date           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyze           SampID:	Ratch R342028 SampType:	LCS		Units ma/L							
Analyses				- ··· <b>g</b> -							Date
Nitrogen, Nitrite (as N)   0.05   0.30   0.3045   0   100.2   90   110   01/19/25   Batch R342028   SampType: MS   Units mg/L   SampID: 24010247-060BMS	Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SamplD: 24010247-060BMS	Nitrogen, Nitrite (as N)				0.30	0.3045	0	100.2	90	110	01/19/2024
Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyze           Nitrogen, Nitrite (as N)         0.05         0.53         0.5000         0         106.0         85         115         01/19/2           Batch R342028 SampType:         MSD         Units mg/L         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Date Analyze           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyze           Batch R342028 SampType:         MS         Units mg/L         Units mg/L         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyze           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyze           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyze           Analyses         Cert         RL         Qual <t< td=""><td>Batch R342028 SampType:</td><td>MS</td><td></td><td>Units mg/L</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Batch R342028 SampType:	MS		Units mg/L							
Nitrogen, Nitrite (as N)	SampID: 24010247-060BMS										
Batch R342028 SampType:         MSD         Units mg/L         RPD Limit 10           SamplD: 24010247-060BMSD         Date Analyses         Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD         RPD Ref Val %RPD         Analyzes Nitrogen, Nitrite (as N)         0.05         0.55         0.5000         0         109.2         0.5300         2.97         01/19/2           Batch R342028 SampType: MS Analyses         Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyzes         Date Analyzes         Nitrogen, Nitrite (as N)         0.05         0.56         0.5000         0.01500         108.2         85         115         01/19/2           Batch R342028 SampType: MSD Low Limit Migh Limit SampID: 24010247-061BMSD         Units mg/L         RPD Limit 10         Date Analyzes	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID: 24010247-060BMSD   Date   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref   Val   %REC   RPD Ref   Val   %RPD   Analyze   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref   Val   %REC   Low Limit   High Limit   Analyze   An	Nitrogen, Nitrite (as N)		0.05		0.53	0.5000	0	106.0	85	115	01/19/2024
Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyzer           Nitrogen, Nitrite (as N)         0.05         0.55         0.5000         0         109.2         0.5300         2.97         01/19/2           Batch R342028 SampType: MSD         Units mg/L           Spike SPK Ref Val         %REC         Low Limit         High Limit         Analyzer           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzer           Nitrogen, Nitrite (as N)         0.05         0.56         0.5000         0.01500         108.2         85         115         01/19/2           Batch R342028         SampType: MSD         Units mg/L         RPD Limit 10           Date Applications of the color of the c		MSD		Units mg/L					RPD Lin	nit <b>10</b>	
Nitrogen, Nitrite (as N)  0.05  0.55  0.5000  0 109.2  0.5300  2.97  01/19/2   Batch R342028 SampType: MS  Units mg/L  SampID: 24010247-061BMS  Analyses  Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyze  Nitrogen, Nitrite (as N)  0.05  0.56  0.5000  0.01500  108.2  RPD Limit 10  Date Analyze  SampID: 24010247-061BMSD	SampiD: 24010247-060BMSD						001/0 ///				
Batch R342028 SampType: MS         Units mg/L           SampID: 24010247-061BMS         Date Analyses         Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyzed         Nitrogen, Nitrite (as N)         0.05         0.56         0.5000         0.01500         108.2         85         115         01/19/2           Batch R342028 SampType: MSD         Units mg/L         RPD Limit 10           SampID: 24010247-061BMSD         Date Analyze	<u> </u>	Cert		Qual		•					•
SampID: 24010247-061BMS   Date   Analyses   Cert   RL   Qual   Result   Spike   SPK   Ref   Val   %REC   Low Limit   High Limit   Analyze   Analyze   Analyze   Analyze   Analyze   Nitrogen, Nitrite (as N)   0.05   0.56   0.5000   0.01500   108.2   85   115   01/19/2	Nitrogen, Nitrite (as N)		0.05		0.55	0.5000	0	109.2	0.5300	2.97	01/19/2024
Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyze           Nitrogen, Nitrite (as N)         0.05         0.56         0.5000         0.01500         108.2         85         115         01/19/2           Batch R342028 SampType: MSD         Units mg/L         RPD Limit 10           SampID: 24010247-061BMSD         Date		MS		Units mg/L							Date
Nitrogen, Nitrite (as N) 0.05 <b>0.56</b> 0.5000 0.01500 108.2 85 115 01/19/2 <b>Batch R342028 SampType: MSD</b> Units <b>mg/L</b> RPD Limit <b>10</b> SampID: 24010247-061BMSD	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID: 24010247-061BMSD Date							0.01500	108.2	85	115	01/19/2024
. Date	Batch R342028 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
Analyses Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD Analyze	SampID: 24010247-061BMSD										
,	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed



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STANDARD METHODS 4500-I	.02 - (	000_	· LD, 2000,	2011						
Batch R342028 SampType:	MS		Units mg/L							
SampID: 24011359-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.53	0.5000	0.01000	104.8	85	115	01/19/202
Batch R342028 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24011359-001AMSD						00/10/1/1				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V	al %RPD	-
Nitrogen, Nitrite (as N)		0.05		0.58	0.5000	0.01000	113.6	0.5340	7.91	01/19/202
Batch R342176 SampType: SampID: MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	01/24/202
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	01/24/202
Batch R342176 SampType:	LCS		Units mg/L							
SampID: LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.8	90	110	01/24/202
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.8	90	110	01/24/202
Dutch	MS		Units mg/L							
SampID: 24011540-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.25		2.26	2.500	0	90.2	85	115	01/24/202
Batch R342176 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24011540-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		Analyzed
Nitrogen, Nitrite (as N)		0.25		2.24	2.500	0	89.6	2.255	0.67	01/24/202
Batch R342176 SampType: SampID: 24011541-001AMS	MS		Units mg/L							Doto
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1 11141 1000	COL	ILL/	Quai	result	Spire				5	



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Batch R342176 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24011541-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.25	E	3.74	2.500	1.195	102.0	3.705	1.07	01/24/202
<b>Batch R342233 SampType:</b> SampID: 24010247-002BMS	MS		Units mg/L							
·	<b>a</b> .	DI	0 1	D 1.	G '1	CDI/ Dof Vol	0/ DEC	Love Limit	Lliah Limit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	J	-
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0.009000	97.2	85	115	01/25/202
Batch R342233 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24010247-002BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0.009000	97.4	0.4950	0.20	01/25/202
Batch R342233 SampType:	MS		Units mg/L							
SampID: 24010247-003BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.63	0.5000	0.1360	99.4	85	115	01/25/202
Batch R342233 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24010247-003BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.63	0.5000	0.1360	98.8	0.6330	0.48	01/25/202
Batch R342273 SampType:	MBLK		Units mg/L							
SampID: MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	01/26/202
Batch R342273 SampType: SampID: LCS	LCS		Units mg/L							
	C.	Di	0 1	D 1	G 11	CDI/ Daf Val	0/ DEC	Louis Line's	High Line	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	-
Nitrogen, Nitrite (as N)		0.05		0.31	0.3045	U	100.8	90	110	01/26/202
Batch R342273 SampType:	MS		Units mg/L							
SampID: 24010247-093BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	94.6	85	115	01/26/202



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Batch R342273 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24010247-093BMSD										Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05	•	0.47	0.5000	0	94.2	0.4730	0.42	01/26/2024
Batch R342395 SampType: SampID: MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	01/30/2024
Batch R342395 SampType: SampID: LCS	LCS		Units mg/L							Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)	CCIT	0.05	Quai	0.30	0.3045	0	98.2	90	110	01/30/2024
Batch R342395 SampType:	MS		Units mg/L							
SampID: 24010247-025BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05	Н	0.51	0.5000	0	102.2	85	115	01/30/2024
Batch R342395 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24010247-025BMSD			0 1	<b>D</b>	a	SPK Ref Val	0/ DEC		al 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike			RPD Ref Va		•
Nitrogen, Nitrite (as N)		0.05	Н	0.51	0.5000	0	102.0	0.5110	0.20	01/30/2024
Batch         R342395         SampType:           SampID:         24011772-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05	Н	0.53	0.5000	0.008000	104.6	85	115	01/30/2024
Batch         R342395         SampType:           SampID:         24011772-001AMSD	MSD		Units mg/L					RPD Lir	mit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05	Н	0.53	0.5000	0.008000	104.2	0.5310	0.38	01/30/2024
Batch R342395 SampType:	MS		Units mg/L							
										Date
SampID: 24011966-002BMS Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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Batch R342395 SampType:	MSD	Į	Jnits <b>mg/L</b>					RPD Lim	it <b>10</b>	
SampID: 24011966-002BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	%RPD	Analyzed
Nitrogen, Nitrite (as N)		0.25	Е	5.48	2.500	2.910	102.6	5.475	0.00	01/30/2024
STANDARD METHODS 4500-I	NO3 F (DI	SSOLVE	ED) 2000,	2011						
<b>Batch R342005 SampType:</b> SampID: ICB/MBLK	MBLK	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
Satch R342005 SampType: CampID: ICV/LCS	LCS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.521	0.5000	0	104.2	90	110	01/18/202
Batch R342005 SampType:	MS	l	Jnits <b>mg/L</b>							
SampID: 24011082-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		6.88	5.000	1.941	98.9	90	110	01/18/202
Satch R342005 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lim	it <b>10</b>	
SampID: 24011082-001AMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		6.99	5.000	1.941	100.9	6.885	1.48	01/18/202
Batch         R342005         SampType:           SampID:         24011254-001AMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	20.4	5.000	15.37	100.1	90	110	01/18/202
Satch R342005 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lim	it <b>10</b>	
SampID: 24011254-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	%RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	20.2	5.000	15.37	95.8	20.37	1.06	01/18/202



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Batch R342081 SampType:	MBLK	ı	Units mg/L							
SampID: ICB/MBLK			ŭ							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate (as N)		0.050	<b>V</b>	< 0.050						01/19/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	01/19/202
Batch R342081 SampType:	LCS	l	Units <b>mg/L</b>							
SampID: ICV/LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.550	0.5000	0	110.0	90	110	01/19/2024
Batch R342081 SampType:	MS	l	Units <b>mg/L</b>							
SampID: 24010247-064BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.260	0.2500	0.01800	96.8	85	115	01/19/202
Batch R342081 SampType:	MSD	ı	Units <b>mg/L</b>					RPD Lir	mit <b>10</b>	
SampID: 24010247-064BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.265	0.2500	0.01800	98.8	0.2600	1.90	01/19/202
Batch R342081 SampType:	MS	ı	Units <b>mg/L</b>							
SampID: 24011359-008BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.252	0.2500	0	100.8	85	115	01/19/202
Batch R342081 SampType:	MSD	l	Units <b>mg/L</b>					RPD Lir	mit <b>10</b>	
SampID: 24011359-008BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.254	0.2500	0	101.6	0.2520	0.79	01/19/202
Batch R342081 SampType:	MS	l	Units mg/L							
SampID: 24011359-013BMS	a	D.	0.1		a	CDK D-£1/-1	0/ DEC	Lauri Lice 9	I Bala I bard	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050	Н	0.237	0.2500	0	94.8	85	115	01/19/20:



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Batch R342081 SampType:	MSD	ι	Jnits <b>mg/L</b>					RPD Lir	nit <b>10</b>	
SampID: 24011359-013BMSD										Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	Н	0.245	0.2500	0	98.0	0.2370	3.32	01/19/2024
Batch R342193 SampType:	MBLK	l	Jnits <b>mg/L</b>							
SampID: ICB/MBLK	<b>C</b> .	DI	0 1	D 1	G 11	SPK Ref Val	0/ DEC	Low Limit	∐iah Limit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SFK REI Vai	70REC	Low Limit	High Limit	
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: SampID: ICV/LCS	LCS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.526	0.5000	0	105.2	90	110	01/24/2024
Batch R342193 SampType: SampID: 24011342-002BMS	MS		Jnits mg/L	D. L	g 'l	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike					•
Nitrogen, Nitrate-Nitrite (as N)		0.500		8.50	2.500	6.010	99.5	90	110	01/24/2024
<b>Batch R342193 SampType:</b> SampID: 24011342-002BMSD	MSD	ι	Jnits <b>mg/L</b>					RPD Lir	mit <b>10</b>	5.
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %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: SampID: 24011444-001AMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250	-	3.64	1.250	2.345	104.0	90	110	01/24/2024
								DDD 1:	-1.40	
Batch R342193 SampType:	MSD	ι	Jnits <b>mg/L</b>					RPD Lir	nit 10	
Batch R342193 SampType: SampID: 24011444-001AMSD Analyses	<b>MSD</b> Cert	RL	Jnits <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	RPD LIF		Date Analyzed



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Batch R342193 SampType:	MS	l	Jnits mg/L							
SampID: 24011541-001AMS										Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50	•	23.6	12.50	11.09	100.3	90	110	01/24/202
Batch R342193 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	nit <b>10</b>	
SampID: 24011541-001AMSD	Comt	DI	Oval	Result	Cmilto	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Analyses  Nitrogen, Nitrate-Nitrite (as N)	Cert	2.50	Qual	23.8	Spike 12.50	11.09	102.0	23.63	0.89	01/24/202
Batch R342275 SampType:	MBLK	l	Jnits <b>mg/L</b>							
SampID: ICB/MBLK	a .	D.		<b>5</b>	a "1	CDK Dat Val	0/ PEC	Laur Linais	I limb I imit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	,
Nitrogen, Nitrate (as N)		0.050		< 0.050	0.0000	•	•	400	100	01/25/202
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	01/25/202
Batch R342275 SampType:	LCS	l	Jnits <b>mg/L</b>							
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	Q di di	0.482	0.5000	0	96.4	90	110	01/25/202
Batch R342275 SampType:	MS	l	Jnits <b>mg/L</b>							
SampID: 24010247-044BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.304	0.2500	0.05300	100.4	85	115	01/25/202
Batch R342275 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	nit <b>10</b>	
SampID: 24010247-044BMSD  Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)	Cort	0.050	Quai	0.302		0.05300	99.6	0.3040	0.66	01/25/202
Batch R342275 SampType:	MS	_ l	Jnits <b>mg/L</b>							
SampID: 24011559-005AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		6.17	2.500	3.638	101.2	90	110	01/25/202



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Batch R342275 SampType:	MSD	ι	Units <b>mg/L</b>					RPD Lir	nit <b>10</b>	
SampID: 24011559-005AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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	l	Units mg/L							
SampID: 24011641-002BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		2.57	1.250	1.302	101.8	90	110	01/25/2024
Batch R342275 SampType: SampID: 24011641-002BMSD	MSD	l	Units <b>mg/L</b>					RPD Lir	nit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		2.57	1.250	1.302	101.4	2.574	0.16	01/25/202
<b>Batch R342275 SampType:</b> SampID: 24011703-002AMS	MS	l	Units <b>mg/L</b>							5.
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500	Q trus	4.87	2.500	2.381	99.7	90	110	01/25/2024
Batch R342275 SampType:	MSD	l	Units <b>mg/L</b>					RPD Lir	nit <b>10</b>	
SamplD: 24011703-002AMSD	Cont	DI	Oval	Dogult	Cmileo	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Analyses  Nitrogen, Nitrate-Nitrite (as N)	Cert	RL 0.500	Qual	Result	Spike 2.500	2.381	94.4	4.873	2.75	01/25/202
Third (ab 14)		0.000		4.14	2.000	2.001	04.4	4.070	2.70	01/20/202
Batch R342306 SampType: SampID: 24011814-003BMS	MS	l	Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		2.87	1.250	1.661	96.8	85	115	01/26/202
Batch R342306 SampType:	MSD	l	Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24011814-003BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed



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Batch 217587 SampType: SampID: MBLK 240119 TCN1	MBLK	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	01/22/202
Batch 217587 SampType: SampID: LCS 240119 TCN1	LCS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.026	0.0250	0	105.7	90	110	01/22/202
<b>Batch 217587 SampType:</b> SampID: 24011273-004CMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.028	0.0250	0.001820	103.1	90	110	01/22/2024
Batch 217587 SampType:	MSD	ı	Jnits <b>mg/L</b>					RPD Lir	mit <b>15</b>	
SampID: 24011273-004CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Cyanide		0.005		0.028	0.0250	0.001820	105.8	0.02760	2.42	01/22/202
Batch 217608 SampType:	MBLK	l	Jnits 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	<b>X</b> 0.002	< 0.005	0.0015	0	0	-100	100	01/23/202
Cyaniae					0.0013					
Batch 217608 SampType: SampID: LCS 240122 TCN1	LCS	l	Jnits <b>mg/L</b>		0.0013					Date
Batch 217608 SampType:	<b>LCS</b> Cert	RL	Jnits <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Batch 217608 SampType: SampID: LCS 240122 TCN1			J	Result 0.027		SPK Ref Val	%REC 106.6	Low Limit 90	High Limit 110	
Batch 217608 SampType: SampID: LCS 240122 TCN1 Analyses	Cert	RL 0.005	J		Spike				J	Analyzed
Batch 217608 SampType: SampID: LCS 240122 TCN1  Analyses Cyanide  Batch 217608 SampType:	Cert	RL 0.005	Qual		Spike		106.6		J	Analyzed 01/23/202
Batch 217608 SampType: SampID: LCS 240122 TCN1  Analyses Cyanide  Batch 217608 SampType: SampID: 24011359-002DMS	Cert	RL 0.005	Qual  Units mg/L	0.027	Spike 0.0250	0 SPK Ref Val	106.6	90	110	Analyzed 01/23/202 Date Analyzed
Batch 217608 SampType: SampID: LCS 240122 TCN1  Analyses Cyanide  Batch 217608 SampType: SampID: 24011359-002DMS  Analyses Cyanide  Batch 217608 SampType:	Cert	RL 0.005 RL 0.005	Qual  Units mg/L	0.027	Spike 0.0250 Spike	0 SPK Ref Val	106.6 %REC	90 Low Limit	110 High Limit 125	Analyzed 01/23/202
Batch 217608 SampType: SampID: LCS 240122 TCN1  Analyses Cyanide  Batch 217608 SampType: SampID: 24011359-002DMS  Analyses Cyanide	Cert  MS  Cert	RL 0.005 RL 0.005	Qual  Units mg/L  Qual	0.027	Spike 0.0250 Spike	0 SPK Ref Val	106.6 %REC 103.7	90 Low Limit 75	110  High Limit 125  mit 15	Analyzed 01/23/202 Date Analyzed



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SW-846 9012A (TOTAL)										
Batch         217608         SampType:           SampID:         24011359-003DMS	MS	I	Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.025	0.0250	0	100.1	75	125	01/23/202
Batch 217608 SampType:	MSD		Units mg/L					RPD Lin	nit <b>15</b>	
SampID: 24011359-003DMSD	Cont	DI	01	D 14	C:1	SPK Ref Val	%REC	RPD Ref Va	a %PDD	Date Analyzed
Analyses Cyanide	Cert	RL 0.005	Qual	0.025	Spike 0.0250	0	98.3	0.02504	1.83	01/23/202
Cyaniue		0.003		0.023	0.0230	U	90.5	0.02304	1.00	01/23/202
Batch 217756 SampType: SampID: MBLK 240124 TCN1	MBLK	l	Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	01/25/202
Batch 217756 SampType: SampID: LCS 240124 TCN1	LCS	1	Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.027	0.0250	0	109.9	90	110	01/25/202
Dutch	MS	I	Units mg/L							
SampID: 24011488-001EMS Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	COIT	0.005	Çuui	0.026	0.0250	0	104.5	90	110	01/25/202
Batch 217756 SampType:	MSD	1	Units mg/L					RPD Lin	nit <b>15</b>	
SampID: 24011488-001EMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Cyanide	COIT	0.005	Quui	0.026	0.0250	0	104.3	0.02614	0.19	01/25/202
Batch         217830         SampType:           SampID:         MBLK 240125 TCN1	MBLK		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	01/26/202
Batch 217830 SampType: SampID: LCS 240125 TCN1	LCS	I	Units <b>mg/L</b>							Date
						CDK Dat Val	0/ DEO	L avv. L insit	Little Little	Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	7 ti laiy 20a



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SW-846 9012A (TOTAL)  Batch 217830 SampType:	MS		Units mg/L							
SamplD: 24011609-001AMS	IVIO	,	Office Hig/L							Doto
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	COIT	0.005	E	0.053	0.0250	0.02614	108.2	90	110	01/26/202
Batch 217830 SampType:	MSD	l	Units <b>mg/L</b>					RPD Lin	nit <b>15</b>	
SampID: 24011609-001AMSD	<b>a</b>	D. r	0 1	<b>D</b>	a !!	CDK D-t V-l	0/ DEC	DDD D-4 \/.	-I 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		•
Cyanide		0.005	E	0.051	0.0250	0.02614	100.3	0.05319	3.77	01/26/202
Batch         217830         SampType:           SampID:         24011668-001CMS	MS	l	Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.025		0.136	0.1250	0.01475	96.8	90	110	01/26/202
Batch 217830 SampType:	MSD	ı	Units <b>mg/L</b>					RPD Lin	nit <b>15</b>	
SampID: 24011668-001CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Cyanide		0.025		0.136	0.1250	0.01475	97.1	0.1357	0.26	01/26/202
Batch 217891 SampType:	MBLK	l	Units <b>mg/L</b>							
SampID: MBLK 240126 TCN1 Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	Cert	0.005	Quai	< 0.005	0.0015		0	-100	100	01/29/202
Batch 217891 SampType:	LCS	ı	Units <b>mg/L</b>							
SamplD: LCS 240126 TCN1			<b>y</b> –							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.024	0.0250	0	96.6	90	110	01/29/202
Batch         217891         SampType:           SampID:         24011725-002BMS	MS	l	Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005	S	0.030	0.0250	0.01020	78.2	90	110	01/29/202
Batch 217891 SampType:	MSD	I	Units mg/L					RPD Lin	nit <b>15</b>	
SampID: 24011725-002BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed



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SW-846 9012A (TOTAL)  Batch 217891 SampType:	MS		Units mg/L							
SamplD: 24011740-001BMS	1110		Office Hig/L							Б.,
	C	DI	0 .1	D 14	011	SPK Ref Val	% DEC	Low Limit	High Limit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike					
Cyanide		0.005		0.027	0.0250	0.004810	90.6	90	110	01/29/202
Batch 217891 SampType:	MSD		Units <b>mg/L</b>					RPD Lir	nit <b>15</b>	
SampID: 24011740-001BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Cyanide		0.005		0.028	0.0250	0.004810	94.3	0.02747	3.24	01/29/202
Batch 217975 SampType:	MBLK		Units <b>mg/L</b>							
SampID: MBLK 240129 TCN1										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	01/30/202
Batch 217975 SampType:	LCS		Units <b>mg/L</b>							
SampID: LCS 240129 TCN1										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.025	0.0250	0	99.2	90	110	01/30/202
Batch 217975 SampType:	MS		Units <b>mg/L</b>							
SampID: 24011869-002BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.026	0.0250	0	104.2	90	110	01/30/202
Batch 217975 SampType:	MSD		Units <b>mg/L</b>					RPD Lir	nit <b>15</b>	
SampID: 24011869-002BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Cyanide		0.005		0.026	0.0250	0	103.0	0.02606	1.16	01/30/202
SW-846 9036 (DISSOLVED)										
<b>Batch R342020 SampType:</b> SampID: 24010247-055BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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SW-846 9036 (DISSOLVED)										
<b>Batch R342020 SampType:</b> SampID: 24010247-055BMSD	MSD		Units mg/L					RPD Lin	nit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Sulfate		10	S	19	20.00	10.22	46.3	18.78	3.61	01/19/202
<b>Batch R342183 SampType:</b> SampID: 24010247-060BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		200		703	400.0	333.8	92.3	85	115	01/24/2024
<b>Batch R342183 SampType:</b> SampID: 24010247-060BMSD	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
•	Cort	DI	Onel	Dogult	Cnilco	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Analyses Sulfate	Cert	RL 200	Qual	Result 743	Spike 400.0	333.8	102.2	703.1	5.48	01/24/2024
Sullate		200		743	400.0	333.6	102.2	703.1	5.40	01/24/202
<b>Batch R342183 SampType:</b> SampID: 24011359-002BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate	COL	200	Çuui	978	400.0	603.8	93.5	85	115	01/24/202
Batch R342183 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24011359-002BMSD			_							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Sulfate		200	•	971	400.0	603.8	91.8	977.7	0.71	01/24/202
<b>Batch R342249 SampType:</b> SampID: 24010247-003BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		50		200	100.0	98.27	102.2	85	115	01/25/202
<b>Batch R342249 SampType:</b> SampID: 24010247-003BMSD	MSD		Units mg/L					RPD Lin	nit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Sulfate		50	<b>4</b> 0.01	198	100.0	98.27	99.7	200.5	1.25	01/25/202
Batch R342249 SampType:	MS		Units mg/L							Date
Sampid: 24010247-1018MS										
SampID: 24010247-101BMS Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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SW-846 9036 (DISSOLVED)										
Batch R342249 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24010247-101BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate		500		1900	1000	1014	88.3	1924	1.44	01/25/202
<b>Batch R342339 SampType</b> : SampID: 24010247-025BMS	MS		Units mg/L							
•	Cont	DI	O1	D 14	C:1	SPK Ref Val	%PEC	Low Limit	High Limit	Date Analyzed
Analyses Sulfate	Cert	RL 100	Qual	Result	Spike 200.0	265.4	88.8	85	115	01/29/202
Cunate		100		-110	200.0	200.4	00.0	00	110	01/20/202
Batch         R342339         SampType:           SampID:         24010247-025BMSD	MSD		Units mg/L					RPD Lir	nit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate		100		454	200.0	265.4	94.5	442.9	2.56	01/29/202
Batch R342339 SampType:	MS		Units mg/L							
SampID: 24010247-045BMS						00110 1111				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	•
Sulfate		500		1870	1000	1005	86.9	85	115	01/29/202
Batch R342339 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24010247-045BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate		500		1900	1000	1005	89.4	1873	1.34	01/29/202
Batch R342402 SampType: SampID: 24010247-104BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		100		442	200.0	256.7	92.8	85	115	01/30/202
Batch R342402 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24010247-104BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate		100		441	200.0	256.7	92.1	442.3	0.32	01/30/202



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Batch R341983 SampTy	rpe: MBLK		Units mg/L							
SampID: ICB/MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10	- Q um	< 10	6.140	0	0	-100	100	01/18/2024
Batch R341983 SampTy	rpe: LCS		Units mg/L							
SampID: ICV/LCS	•		J							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10		19	20.00	0	94.0	90	110	01/18/2024
<b>Batch R341983 SampTy</b> SampID: 24010247-015AMS	vpe: MS		Units mg/L							
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate	CCIT	100	Quai	467	200.0	288.0	89.7	85	115	01/18/2024
Batch R341983 SampTy			Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24010247-015AMSE		DI	0 1	D 1	G '1	SPK Ref Val	%REC	RPD Ref V	ol 0/ PDD	Date Analyzed
Analyses Sulfate	Cert	RL 100	Qual	Result 468	Spike 200.0	288.0	89.8	467.4	0.03	01/18/2024
Guilate		100		400	200.0	200.0	03.0	407.4	0.03	01/10/2024
Batch R341983 SampTy	rpe: MS		Units mg/L							
SampID: 24010247-022AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		20		82	40.00	43.44	97.2	85	115	01/18/2024
Batch R341983 SampTy	rpe: MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24010247-022AMSE	)									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		Analyzed
Sulfate		20		89	40.00	43.44	114.2	82.30	7.97	01/18/2024
<b>Batch R341983 SampTy</b> SampID: 24011234-004BMS	rpe: MS		Units mg/L							Dete
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate	Cort	200	y uui	836	400.0	451.1	96.2	90	110	01/18/2024
Batch R341983 SampTy	rpe: MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24011234-004BMSE			Ü							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed



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Client: Ramboll Work Order: 24010247

Batch R342020 SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK						00110 1111				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	
Sulfate		10		< 10	6.140	0	0	-100	100	01/19/202
Batch R342020 SampType:	LCS		Units mg/L							
SampID: ICV/LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10		19	20.00	0	96.8	90	110	01/19/202
Batch R342020 SampType:	MS		Units mg/L							
SampID: 24010247-020AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10	S	22	20.00	9.270	62.0	85	115	01/19/202
Batch R342020 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24010247-020AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate		10	S	22	20.00	9.270	62.3	21.66	0.32	01/19/202
Batch R342116 SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK	_					0DK D-(1)/-1	0/050	Laure Card	LPak Liani	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike		%REC	Low Limit	Ü	
Sulfate		10		< 10	6.140	0	0	-100	100	01/23/202
Batch R342116 SampType:	LCS		Units mg/L							
SampID: ICV/LCS										Date
Analyses	Cert	RL	Qual	Result	Spike		%REC	Low Limit		Analyzed
Sulfate		10		20	20.00	0	98.2	90	110	01/23/202
Batch R342116 SampType:	MS		Units mg/L							
SampID: 24010247-012AMS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val			High Limit	-
Sulfate		20		96	40.00	58.71	92.3	85	115	01/23/202
Batch R342116 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
0 10 04040047 04044400										Date
SampID: 24010247-012AMSD						SPK Ref Val		RPD Ref V		Analyzed



Analyses

Analyses

Sulfate

Batch R342249

SampID: ICV/LCS

Sulfate

Cert

Cert

SampType: LCS

RL

10

**RL** 

10

Qual

Units mg/L

Qual

Result

Result

19

< 10

#### **Quality Control Results**

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

SW-846 9036 (TOTAL) Batch R342183 **MBLK** SampType: Units mg/L SampID: ICB/MBLK Date Analyzed SPK Ref Val %REC Low Limit High Limit Cert RL Oual Result Spike Analyses Sulfate < 10 0 -100 100 10 6.140 0 01/24/2024 Batch R342183 SampType: LCS Units mg/L SampID: ICV/LCS Date Analyzed %REC SPK Ref Val Low Limit High Limit Analyses Cert RI Oual Result Spike 10 20 Sulfate 20.00 0 90 110 99.0 01/24/2024 Batch R342183 SampType: Units mg/L SampID: 24010247-060AMS Date Analyzed SPK Ref Val %REC Low Limit **High Limit** Analyses Cert RL Qual Result Spike Sulfate 200 760 400.0 402.7 89.3 85 115 01/24/2024 RPD Limit 10 **Batch R342183** SampType: Units mg/L SampID: 24010247-060AMSD Date Analyzed SPK Ref Val %REC RPD Ref Val %RPD Cert RL Qual Spike Analyses Result Sulfate 200 808 400.0 402.7 101.4 759.9 01/24/2024 6.19 Batch R342183 SampType: Units mg/L SampID: 24011488-001BMS Date Analyzed %REC SPK Ref Val Low Limit High Limit RL Analyses Cert Qual Result Spike 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 Date Analyzed SPK Ref Val %REC RPD Ref Val %RPD Cert RL Qual Result Analyses Spike S 30 Sulfate 10 20.00 12.17 89.6 29.26 2.76 01/24/2024 SampType: **MBLK** Units mg/L **Batch R342249** SampID: ICB/MBLK Date

0-	6		- 1	20
Pag	ıe o	ס פי	$r_{I}$	39

High Limit

100

High Limit

110

Low Limit

Low Limit

90

-100

%REC

%REC

92.8

0

SPK Ref Val

SPK Ref Val

0

0

Spike

6.140

Spike

20.00

Analyzed

Date Analyzed

01/25/2024

01/25/2024



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SW-846 9036 (TOT Batch R342339	•	MRIK		Units mg/L							
SampID: ICB/MBLK	SampType:	WIDLK		Onits Ing/L							_
		C	DI	0 .1	D 1	C - 11 -	SPK Ref Val	% DEC	Low Limit	High Limit	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike					
Sulfate			10		<10	6.140	0	0	-100	100	01/29/202
Batch R342339	SampType:	LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		19	20.00	0	96.5	90	110	01/29/202
Batch R342402	SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		<10	6.140	0	0	-100	100	01/30/202
Batch R342402	SampType:	LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		19	20.00	0	96.8	90	110	01/30/202
Batch R342402	SampType:	MS		Units mg/L							
SampID: 24011717-0	003AMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		34	20.00	15.57	90.3	90	110	01/30/202
Batch R342402	SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24011717-0	003AMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate			10		34	20.00	15.57	92.6	33.63	1.36	01/30/202
SW-846 9214 (DIS	SOLVED)										
<b>Batch R342170</b> SampID: 24010247-0	SampType: 044BMS	MS		Units mg/L							Date
		<b>a</b> .	DI	0 1	D14	C:1	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Analyses		Cert	RL	Qual	Result	Spike	Of It Itol Val	/or CE O	LOW LITTIE	r ngri Enriit	,



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SW-846 9214 (DISSOLVED)	1405		11-7- 0					DDD		
<b>Batch R342170 SampType:</b> SampID: 24010247-044BMSD	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
·	<b>a</b>	D.1	0 1	<b>5</b>	a	CDK Dat Val	0/ DEC	DDD D-41/	-L 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		
Fluoride		0.10		2.33	2.000	0.1950	106.6	2.409	3.51	01/25/202
Batch         R342388         SampType:           SampID:         24010247-036BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		2.48	2.000	0.3970	104.2	75	125	01/30/202
Batch R342388 SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24010247-036BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Fluoride		0.10		2.49	2.000	0.3970	104.8	2.482	0.48	01/30/202
Batch R342388 SampType:	MS		Units mg/L							
SampID: 24010247-104BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		2.41	2.000	0.2900	106.0	75	125	01/30/202
Batch R342388 SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24010247-104BMSD						00140 4141	0/ DE 0	DDD D ()/		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		•
Fluoride		0.10		2.32	2.000	0.2900	101.3	2.411	4.02	01/30/202
Batch         R342388         SampType:           SampID:         24010247-107BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		2.11	2.000	0	105.7	75	125	01/30/202
Batch R342388 SampType: SampID: 24010247-107BMSD	MSD		Units mg/L					RPD Lir	mit <b>15</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Fluoride	2011	0.10	₹ wwx	2.14	2.000	0	106.8	2.114	0.99	01/30/202
Batch R342565 SampType:	MS		Units mg/L							
SampID: 24020010-008BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
				2.35	2.000	0.2920	102.9	75	125	02/02/202



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	SSOLVED)										
Batch R342565	SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24020010	-008RIM2D						00140 4344	0/050	DDD D () (		Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		
Fluoride			0.10		2.29	2.000	0.2920	100.0	2.350	2.46	02/02/2024
SW-846 9214 (TO	TAL)										
Batch R341950 SampID: MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.10		< 0.10	0.0500	0	0	-100	100	01/18/2024
Batch R341950 SampID: LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.10		0.94	1.000	0	94.2	90	110	01/18/2024
Batch R341950 SampID: 24010247	SampType: -096AMS	MS	DY	Units mg/L	D. I.	g '1	SPK Ref Val	0/ DEC	Low Limit	High Limit	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike				High Limit	•
Fluoride			1.00		18.7	20.00	1.090	88.2	75	125	01/18/2024
Batch R341950	SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24010247	-096AMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Fluoride			1.00		19.7	20.00	1.090	93.0	18.74	4.89	01/18/2024
Batch R342001 SampID: MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
			0.10		< 0.10	0.0500	0	0	-100	100	01/19/2024
Fluoride											
Batch R342001	SampType:	LCS		Units mg/L							Date
Batch R342001 SampID: LCS Analyses	SampType:	<b>LCS</b> Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed



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D 4 1 D242004 CommTune	MS		Units mg/L							
<b>Batch R342001 SampType:</b> SampID: 24010247-056AMS	IVIS		Onits mg/L							
Analyses	Comt	RL	Oval	Dogult	Cmileo	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	Cert	0.10	Qual	Result	Spike 2.000	1.201	107.8	75	125	01/19/202
ridonde		0.10		3.30	2.000	1.201	107.0	73	125	01/19/202
Batch R342001 SampType:	MSD		Units mg/L					RPD Lin	nit <b>15</b>	
SampID: 24010247-056AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Fluoride		0.10		3.34	2.000	1.201	107.0	3.358	0.51	01/19/202
Batch R342042 SampType:	MBLK		Units mg/L							
SampID: MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	01/22/202
Batch R342042 SampType:	LCS		Units mg/L							
SampID: LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		1.03	1.000	0	102.5	90	110	01/22/202
Batch R342042 SampType:	MS		Units mg/L							
Batch         R342042         SampType:           SampID:         24010247-102AMS	MS		Units mg/L							Date
	<b>MS</b> Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: 24010247-102AMS		RL 0.10	_	Result	Spike 2.000	SPK Ref Val 0.2170	%REC 90.8	Low Limit 75	High Limit	
SamplD: 24010247-102AMS  Analyses	Cert		_		·				125	Analyzed
SampID: 24010247-102AMS  Analyses  Fluoride	Cert		Qual		·			75	125	Analyzed 01/22/202
SampID: 24010247-102AMS  Analyses  Fluoride  Batch R342042 SampType:	Cert		Qual		·		90.8	75	125 nit <b>15</b>	Analyzed 01/22/202
SampID: 24010247-102AMS  Analyses  Fluoride  Batch R342042 SampType: SampID: 24010247-102AMSD	Cert	0.10	Qual Units mg/L	2.03	2.000	0.2170	90.8	75 RPD Lin	125 nit <b>15</b>	Analyzed 01/22/202
SampID: 24010247-102AMS  Analyses Fluoride  Batch R342042 SampType: SampID: 24010247-102AMSD  Analyses Fluoride  Batch R342128 SampType:	MSD  Cert	0.10 RL	Qual Units mg/L	2.03 Result	2.000 Spike	0.2170 SPK Ref Val	90.8 %REC	75 RPD Lin RPD Ref Va	125 nit <b>15</b>	Analyzed 01/22/202 Date Analyzed
SampID: 24010247-102AMS  Analyses Fluoride  Batch R342042 SampType: SampID: 24010247-102AMSD  Analyses Fluoride	MSD  Cert	0.10 RL	Qual Units mg/L Qual	2.03 Result	2.000 Spike	0.2170 SPK Ref Val 0.2170	90.8 %REC 97.8	75 RPD Lin RPD Ref Va	125 nit <b>15</b>	Date Analyzed 01/22/202
SampID: 24010247-102AMS  Analyses Fluoride  Batch R342042 SampType: SampID: 24010247-102AMSD  Analyses Fluoride  Batch R342128 SampType:	MSD  Cert	0.10 RL	Qual Units mg/L Qual	2.03 Result	2.000 Spike	0.2170 SPK Ref Val	90.8 %REC 97.8	75 RPD Lin RPD Ref Va	125 nit <b>15</b>	O1/22/202  Date Analyzed O1/22/202
SampID: 24010247-102AMS  Analyses Fluoride  Batch R342042 SampType: SampID: 24010247-102AMSD  Analyses Fluoride  Batch R342128 SampType: SampID: MBLK	MSD  Cert  MBLK	0.10 RL 0.10	Qual Units mg/L Qual Units mg/L	2.03  Result 2.17	2.000 Spike 2.000	SPK Ref Val 0.2170	90.8 %REC 97.8	75 RPD Lin RPD Ref Va 2.032	125 nit <b>15</b> al %RPD 6.75	Date Analyzed  01/22/202  Date Analyzed  01/22/202  Date Analyzed
SampID: 24010247-102AMS  Analyses Fluoride  Batch R342042 SampType: SampID: 24010247-102AMSD  Analyses Fluoride  Batch R342128 SampType: SampID: MBLK  Analyses Fluoride  Batch R342128 SampType: SampID: MBLK  Analyses Fluoride	MSD  Cert  MBLK  Cert	0.10 RL 0.10	Qual Units mg/L Qual Units mg/L	Result 2.17  Result	Spike 2.000 Spike	SPK Ref Val 0.2170	90.8  %REC  97.8	75  RPD Lin  RPD Ref Va 2.032  Low Limit	125 nit <b>15</b> al %RPD 6.75	Date Analyzed 01/22/202
SampID: 24010247-102AMS  Analyses Fluoride  Batch R342042 SampType: SampID: 24010247-102AMSD  Analyses Fluoride  Batch R342128 SampType: SampID: MBLK  Analyses Fluoride	MSD  Cert  MBLK  Cert	0.10 RL 0.10	Qual Units mg/L Qual Units mg/L Qual	Result 2.17  Result	Spike 2.000 Spike	SPK Ref Val 0.2170	90.8  %REC  97.8	75  RPD Lin  RPD Ref Va 2.032  Low Limit	125 nit <b>15</b> al %RPD 6.75	Date Analyzed  01/22/202  Date Analyzed  01/22/202  Date Analyzed



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SW-846 9214 (TOTAL)										
Batch R342128 SampType:	MS		Units mg/L							
SampID: 24010247-057AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		2.55	2.000	0.7350	90.8	75	125	01/24/202
Batch R342128 SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24010247-057AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Fluoride		0.10		2.61	2.000	0.7350	93.6	2.551	2.13	01/24/202
<b>Batch R342128 SampType:</b> SampID: 24011488-001BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		2.27	2.000	0.05300	110.8	75	125	01/23/202
Dutch	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24011488-001BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Fluoride		0.10		2.26	2.000	0.05300	110.2	2.268	0.49	01/23/202
Batch R342170 SampType:	MBLK		Units mg/L							
SampID: MBLK										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	Ū	•
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	01/24/20
Batch R342170 SampType:	LCS		Units mg/L							
SampID: LCS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	J	Ť
Fluoride		0.10		1.04	1.000	0	104.5	90	110	01/24/20
Batch         R342170         SampType:           SampID:         24011561-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10	-	2.45	2.000	0.5020	97.4	75	125	01/24/20
ridoride										
	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
Batch R342170 SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	Date
	MSD Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	RPD Lir		Date Analyzed



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SW-846 9214 (TOTAL)										
Batch R342170 SampTyp	e: MS		Units mg/L							
SampID: 24011657-005AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		3.22	2.000	0.9320	114.4	75	125	01/25/202
Batch         R342170         SampTyp           SampID:         24011657-005AMSD	e: MSD		Units mg/L					RPD Lir	nit <b>15</b>	
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Fluoride	CCIT	0.10	Quai	3.15	2.000	0.9320	110.8	3.220	2.29	01/25/202
Batch R342388 SampTyp SampID: MBLK	e: MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	01/30/202
Batch R342388 SampTyp	e: LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10	-	0.96	1.000	0	96.4	90	110	01/30/202
Batch R342565 SampTyp SampID: MBLK	e: MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	02/01/202
Batch R342565 SampTyp SampID: LCS		DY	Units mg/L	<b>D</b> 1:	G 11	CDI/ Det Vel	0/ DEC	l our limit	Himb Limit	Date Analyzed
Analyses Fluoride	Cert	RL 0.10	Qual	Result	Spike 1.000	SPK Ref Val	%REC 95.4	Low Limit 90	High Limit 110	02/01/202
riuonide		0.10		0.33	1.000	U	95.4	90	110	02/01/202
Batch         R342565         SampTyp           SampID:         24010118-009AMS	e: MS		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		1.96	2.000	0.07300	94.5	75	125	02/02/202
Batch R342565 SampTyp	e: MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24010118-009AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	RPD Ref Va	al %RPD	Analyzed



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Client: Ramboll Work Order: 24010247

SW-846 9214 (TOTAL)										
<b>Batch R342565 SampType:</b> SampID: 24010247-065AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		1.00		19.0	20.00	1.280	88.8	75	125	02/02/202
Batch R342565 SampType:	MSD		Units mg/L					RPD Lin	nit <b>15</b>	
SampID: 24010247-065AMSD	_				~	0DK D-(1)/-1	0/050	DDD D-()/	-1 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		•
Fluoride		1.00		18.3	20.00	1.280	85.2	19.05	3.96	02/02/202
Batch         R342565         SampType:           SampID:         24010966-006AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		2.37	2.000	0.3750	99.6	75	125	02/01/20
Batch R342565 SampType:	MSD		Units mg/L					RPD Lin	nit <b>15</b>	
SampID: 24010966-006AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Fluoride		0.10		2.45	2.000	0.3750	103.7	2.366	3.45	02/01/20
Batch R342565 SampType:	MS		Units mg/L							
SampID: 24010966-016AMS	C	DI	0 .1	D 14	G. 11	SPK Ref Val	%PEC	Low Limit	High Limit	Date Analyzed
Analyses Fluoride	Cert	RL 0.10	Qual	Result	Spike 2.000	0.2960	107.2	75	125	02/02/20
Fluoride		0.10		2.44	2.000	0.2960	107.2	75	125	02/02/20/
<b>Batch R342565 SampType:</b> SampID: 24010966-016AMSD	MSD		Units mg/L					RPD Lin	nit <b>15</b>	Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Fluoride		0.10	Quui	2.40	2.000	0.2960	105.2	2.441	1.69	02/02/202
Batch R342565 SampType:	MS		Units mg/L							
SampID: 24010966-020AMS	Cont	DI	Oval	Dogult	Cmileo	SPK Ref Val	%PEC	Low Limit	High Limit	Date Analyzed
Analyses Fluoride	Cert	0.10	Qual	Result	Spike 2.000	0.3760	96.5	75	125	02/01/20
Batch         R342565         SampType:           SampID:         24010966-020AMSD	MSD		Units mg/L					RPD Lin	nit <b>15</b>	Date
					~	CDK Bof Vol	%REC	RPD Ref Va	al 0/ PPD	Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	70KEC	KED Kel va	al 70KFD	,=



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SW-846 9214 (TOTAL)										
Batch R342565 SampType:	MS		Units mg/L							
SampID: 24010966-021AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		2.28	2.000	0.2790	100.3	75	125	02/02/202
Batch R342565 SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24010966-021AMSD	<b>G</b> .	DI	0 1	D 1	0.1	SPK Ref Val	0/ DEC	RPD Ref V	ol 0/ PDD	Date Analyzed
Analyses Fluoride	Cert	0.10	Qual	Result 2.34	Spike 2.000	0.2790	103.2	2.285	2.46	02/02/202
<b>Batch R342565 SampType:</b> SampID: 24010966-030AMS	MS		Units mg/L							
•	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Analyses Fluoride	Cert	0.10	Quai	2.36	2.000	0.2690	104.6	75	125	02/02/202
Tidonae		0.10		2.30	2.000	0.2090	104.0	75	125	02/02/20/
Batch R342565 SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24010966-030AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Fluoride		0.10		2.19	2.000	0.2690	96.2	2.361	7.38	02/02/202
Batch R342565 SampType:	MS		Units mg/L							
SampID: 24010966-044AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		2.29	2.000	0.2200	103.4	75	125	02/02/202
Batch R342565 SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24010966-044AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Fluoride		0.10		2.22	2.000	0.2200	99.8	2.289	3.24	02/02/20
SW-846 9251 (DISSOLVED)										
<b>Batch R342023 SampType:</b> SampID: 24010247-055BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
,			•							



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

SW-846 9251 (DISSOLVED) Batch R342023 MSD RPD Limit 15 SampType: Units mg/L SampID: 24010247-055BMSD Date Analyzed RPD Ref Val %RPD SPK Ref Val %REC Cert RL Oual Result Spike Analyses Chloride 8 Ε 120 40.00 80.52 99.4 115.8 3.82 01/19/2024 Batch R342118 SampType: Units mg/L SampID: 24010247-060BMS Date Analyzed %REC Low Limit High Limit SPK Ref Val Analyses Cert RI Oual Result Spike Chloride 8 108 Ε 40.00 85 73.67 85.3 115 01/23/2024 Batch R342118 SampType: MSD Units mg/L RPD Limit 15 SampID: 24010247-060BMSD Date Analyzed SPK Ref Val %REC RPD Ref Val %RPD Analyses Cert RLQual Result Spike 8 Е Chloride 110 40.00 73.67 92.0 107.8 2.43 01/23/2024 **Batch R342118** SampType: Units mg/L SampID: 24011359-002BMS Date Analyzed SPK Ref Val %REC Low Limit High Limit Analyses Cert RL Qual Spike Result Chloride 4 30 20.00 12.01 91.1 85 01/23/2024 115 RPD Limit 15 Batch R342118 SampType: MSD Units mg/L SampID: 24011359-002BMSD Date Analyzed %REC RPD Ref Val %RPD SPK Ref Val RL Analyses Cert Qual Result Spike Chloride 4 30 20.00 12.01 91.0 30.23 0.07 01/23/2024 Batch R342251 SampType: Units mg/L SampID: 24010247-003BMS Date Analyzed RL Qual SPK Ref Val %REC Low Limit High Limit Cert Result Spike Analyses 20 173 Chloride 100.0 85 01/25/2024 74.09 98.9 115 RPD Limit 15 MSD Units mg/L Batch R342251 SampType: SampID: 24010247-003BMSD Date Analyzed SPK Ref Val %REC RPD Ref Val %RPD Analyses Cert RL Oual Result Spike Chloride 20 165 100.0 74.09 90.5 173.0 01/25/2024 4.97 Batch R342251 SampType: MS Units mg/L SampID: 24010247-101BMS Date Analyzed SPK Ref Val %REC Low Limit High Limit **RL** Qual Analyses Cert Result Spike 40 S 359 Chloride 200.0 193.6 82.7 85 115 01/25/2024



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SW-846 9251 (DISSOLVED)										
Batch R342251 SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24010247-101BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		8		85	40.00	50.60	86.2	85	115	01/29/2024
<b>Batch R342343 SampType:</b> SampID: 24010247-025BMSD	MSD		Units mg/L					RPD Lir	mit <b>15</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		400		2720	2000	846.6	93.7	85	115	01/30/2024
Batch R342407 SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24010247-045BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride		400		2720	2000	846.6	93.9	2720	0.15	01/30/202
<b>Batch R342407 SampType:</b> SampID: 24010247-104BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		40	Q trus	237	200.0	45.14	95.9	85	115	01/30/202
Batch R342407 SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24010247-104BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride		40		236	200.0	45.14	95.3	237.0	0.52	01/30/202



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Client: Ramboll Work Order: 24010247

Batch R341985 SampType	e: MBLK		Units mg/L							
SampID: ICB/MBLK			•							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4	•	< 4	0.5000	0	0	-100	100	01/18/2024
Batch R341985 SampType	e: LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4	_	20	20.00	0	98.1	90	110	01/18/2024
<b>Batch R341985 SampTyp</b> SampID: 24010247-015AMS	e: MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		41	20.00	23.56	86.9	85	115	01/18/2024
Batch R341985 SampType	e: MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24010247-015AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride		4		42	20.00	23.56	92.0	40.94	2.48	01/18/2024
Batch R341985 SampTyp	e: MS		Units mg/L							
SampID: 24010247-022AMS						00/40 47/4	0/P50		11.11.	Date
SampID: 24010247-022AMS Analyses	e: MS Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val		Low Limit	U	Analyzed
SampID: 24010247-022AMS		RL 4		Result	Spike 20.00	SPK Ref Val 24.21	%REC 88.4	Low Limit 85	High Limit	
SampID: 24010247-022AMS Analyses	Cert								115	Analyzed 01/18/2024
SampID:         24010247-022AMS           Analyses         Chloride           Batch         R341985         SampType           SampID:         24010247-022AMSD	Cert		Qual				88.4	85	115 mit <b>15</b>	Analyzed
SampID: 24010247-022AMS  Analyses Chloride  Batch R341985 SampType	Cert	4	Qual Units mg/L	42	20.00	24.21	88.4	85 RPD Lir	115 mit <b>15</b>	Analyzed 01/18/2024 Date
SampID: 24010247-022AMS  Analyses Chloride  Batch R341985 SampType SampID: 24010247-022AMSD  Analyses Chloride  Batch R341985 SampType	Cert  e: MSD  Cert	4 RL	Qual Units mg/L	42 Result	20.00 Spike	24.21 SPK Ref Val	88.4 %REC	85 RPD Lir RPD Ref V	115 mit <b>15</b> al %RPD	Analyzed 01/18/202
SampID: 24010247-022AMS  Analyses Chloride  Batch R341985 SampType SampID: 24010247-022AMSD  Analyses Chloride  Batch R341985 SampType	Cert  e: MSD  Cert	4 RL	Qual Units mg/L Qual	42 Result	20.00 Spike	24.21 SPK Ref Val	88.4 %REC 89.8	85 RPD Lir RPD Ref V	115 mit <b>15</b> al %RPD 0.69	O1/18/202  Date Analyzed  01/18/202
SampID: 24010247-022AMS  Analyses Chloride  Batch R341985 SampType SampID: 24010247-022AMSD  Analyses Chloride  Batch R341985 SampType SampID: 24011234-004BMS	Cert  Cert  Cert  MSD	RL 4	Qual Units mg/L Qual Units mg/L	Result 42	20.00 Spike 20.00	24.21 SPK Ref Val 24.21	88.4 %REC 89.8	85 RPD Lir RPD Ref V 41.88	115 mit <b>15</b> al %RPD 0.69	Analyzed  01/18/202  Date Analyzed  01/18/202  Date Analyzed
SampID: 24010247-022AMS  Analyses Chloride  Batch R341985 SampType SampID: 24010247-022AMSD  Analyses Chloride  Batch R341985 SampType SampID: 24011234-004BMS  Analyses Chloride  Batch R341985 SampType SampID: 24011234-004BMS  Analyses Chloride	Cert  Cert  Cert  Cert	RL 4	Qual Units mg/L Qual Units mg/L	Result 42 Result	Spike 20.00 Spike	SPK Ref Val 24.21 SPK Ref Val	%REC 89.8	RPD Lir RPD Ref V 41.88	115 mit <b>15</b> al %RPD 0.69  High Limit 115	Date Analyzed 01/18/202
SampID: 24010247-022AMS  Analyses Chloride  Batch R341985 SampType SampID: 24010247-022AMSD  Analyses Chloride  Batch R341985 SampType SampID: 24011234-004BMS  Analyses Chloride	Cert  Cert  Cert  Cert	RL 4	Qual Units mg/L Qual Units mg/L Qual	Result 42 Result	Spike 20.00 Spike	SPK Ref Val 24.21 SPK Ref Val	%REC 89.8	RPD Lir RPD Ref V 41.88 Low Limit	115 mit 15 al %RPD 0.69  High Limit 115	Analyzed  01/18/202  Date Analyzed  01/18/202  Date Analyzed



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Client: Ramboll Work Order: 24010247

Batch R342023	SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK				J							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4	•	< 4	0.5000	0	0	-100	100	01/19/202
	SampType:	LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4		22	20.00	0	108.2	90	110	01/19/202
Batch R342023 S	SampType: 20AMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			8	Е	104	40.00	68.76	88.2	85	115	01/19/202
Batch R342023 S	SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24010247-02	20AMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride			8	Е	103	40.00	68.76	85.0	104.0	1.24	01/19/202
	SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	Analyzed
•		Cert	RL 4	Qual	Result <4	Spike 0.5000	SPK Ref Val	%REC	Low Limit	High Limit	
Analyses Chloride  Batch R342118	SampType:			Qual Units mg/L						- U	Analyzed
Analyses Chloride  Batch R342118	SampType:			-				0		- U	Analyzed 01/23/202
Analyses Chloride  Batch R342118 SampID: ICV/LCS	SampType:	LCS	4	Units <b>mg/L</b>	<4	0.5000	0	0	-100	100	Analyzed 01/23/202 Date
Analyses Chloride  Batch R342118 S SampID: ICV/LCS Analyses Chloride  Batch R342118 S	SampType:	<b>LCS</b> Cert	4 RL	Units <b>mg/L</b>	<4 Result	0.5000 Spike	0 SPK Ref Val	0 %REC	-100 Low Limit	100 High Limit	Analyzed 01/23/202 Date Analyzed
Analyses Chloride  Batch R342118 S SampID: ICV/LCS Analyses Chloride  Batch R342118 S	SampType:	<b>LCS</b> Cert	4 RL	Units <b>mg/L</b> Qual	< 4 Result	0.5000 Spike	0 SPK Ref Val	%REC 107.0	-100 Low Limit	100 High Limit	O1/23/202  Date Analyzed  01/23/202
Analyses Chloride  Batch R342118 SampID: ICV/LCS Analyses Chloride  Batch R342118 SampID: 24010247-01	SampType:	Cert MS	RL 4	Units mg/L Qual Units mg/L	Result 21	0.5000 Spike 20.00	O SPK Ref Val O	%REC 107.0	-100 Low Limit 90	100 High Limit 110	Date Analyzed 01/23/202
Analyses Chloride  Batch R342118 SampID: ICV/LCS Analyses Chloride  Batch R342118 SampID: 24010247-01 Analyses Chloride  Batch R342118 SampID: 24010247-01	SampType: 12AMS SampType:	Cert MS	RL 4	Units mg/L Qual Units mg/L	Result 21	Spike 20.00	SPK Ref Val 0 SPK Ref Val	%REC 107.0	Low Limit	High Limit 110  High Limit 115	Date Analyzed  01/23/202  Date Analyzed  01/23/202  Date Analyzed
Chloride  Batch R342118 S SampID: ICV/LCS  Analyses Chloride  Batch R342118 S SampID: 24010247-01  Analyses Chloride	SampType: 12AMS SampType:	Cert  MS  Cert	RL 4	Units mg/L  Qual  Units mg/L  Qual	Result 21	Spike 20.00	SPK Ref Val 0 SPK Ref Val	%REC 107.0	Low Limit 90  Low Limit 85	High Limit 110  High Limit 115	Date Analyzed  01/23/202  Date Analyzed  01/23/202  Date Analyzed



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Client: Ramboll Work Order: 24010247

	SampType:	MS		Units mg/L							
SampID: 24010247-06	60AMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			8	E	115	40.00	73.91	103.4	85	115	01/23/202
241111	SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24010247-06	OUAMSD	<b>a</b> .	DI	0 1	D 1:	G 11	CDI/ Def Val	0/ DEC	DDD Def V	al 0/DDD	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		
Chloride			8	E	109	40.00	73.91	88.6	115.3	5.28	01/23/202
Batch R342184 SampID: ICB/MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4	•	< 4	0.5000	0	0	-100	100	01/24/202
Batch R342184	SampType:	LCS		Units mg/L							
SampID: ICV/LCS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	•
Chloride			4		22	20.00	0	109.6	90	110	01/24/202
<b>Batch R342184</b> SampID: 24011488-00	SampType: 01BMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4		20	20.00	0.9700	95.2	85	115	01/24/202
Duten	SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24011488-00	01BMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride			4		20	20.00	0.9700	95.4	20.02	0.20	01/24/202
Batch R342251 SampID: ICB/MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4	-	< 4	0.5000	0	0	-100	100	01/25/202
Batch R342251	SampType:	LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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SW-846 9251 (TOTA	AL)										
•	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4		< 4	0.5000	0	0	-100	100	01/29/2024
Batch R342343 SampID: ICV/LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4		20	20.00	0	98.6	90	110	01/29/2024
<b>Batch R342343</b> SampID: 24011515-00	SampType: 02AMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			80		626	400.0	278.6	87.0	85	115	01/29/2024
	SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24011515-00	2AMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride			80	S	616	400.0	278.6	84.3	626.5	1.69	01/29/202
2	SampType:	MS		Units mg/L							
SamplD: 24011717-00 Analyses	JJAIVIS	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride			8	- Quan	61	40.00	22.87	94.8	85	115	01/29/202
2 44442	SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24011717-00 Analyses	3AMSD	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Chloride			8	Q total	61	40.00	22.87	94.6	60.77	0.12	01/29/202
Batch R342407 S	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4		<4	0.5000	0	0	-100	100	01/30/202
2 44441	SampType:	LCS		Units mg/L							Date
SampID: ICV/LCS											- 4.0
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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Batch 216527 SampTy	pe: MBLK	U	nits <b>mg/L</b>							
SampID: MBLK-216527			_							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	01/26/202
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/26/202
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/25/202
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/26/202
Batch 216527 SampTy	pe: LCS	U	nits <b>mg/L</b>							
SampID: LCS-216527										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		2.43	2.500	0	97.0	85	115	01/25/202
Magnesium		0.0500		2.22	2.500	0	88.9	85	115	01/25/202
Potassium		0.100		2.50	2.500	0	100.2	85	115	01/25/202
Sodium		0.0500		2.32	2.500	0	92.7	85	115	01/25/202
Batch 216527 SampTy	pe: MS	U	nits <b>mg/L</b>							
SampID: 24010247-041CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100	S	487	2.500	490.9	-141.6	75	125	01/25/202
Magnesium		0.050	S	269	2.500	270.0	-30.0	75	125	01/25/202
Potassium		0.100		7.30	2.500	4.829	98.8	75	125	01/25/202
Sodium		0.050	S	150	2.500	150.2	-2.4	75	125	01/25/202
Batch 216527 SampTy		U	nits <b>mg/L</b>					RPD Lir	nit <b>20</b>	
SampID: 24010247-041CMSD		DI	0 1	D 1	G 11	SPK Ref Val	0/ DEC	RPD Ref V	al 0/ DDD	Date Analyzed
Analyses Calcium	Cert	RL 0.100	Qual S	Result 487	Spike 2.500	490.9	-157.2	487.4	0.08	01/25/202
		0.050	S	269	2.500	270.0				01/25/202
Magnesium			3				-47.1	269.3	0.16	
Potassium		0.100	C	7.33	2.500	4.829	99.9	7.299	0.39	01/25/202
Sodium		0.050	S	150	2.500	150.2	-17.6	150.2	0.25	01/25/202
Batch 217571 SampTy SampID: MBLK-217571	pe: MBLK	U	nits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	01/19/202
Magnasium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/19/202
iviagnesium										
Magnesium Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/19/202



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SW-846 3005A, 601	0B, METAL	LS BY ICF	(DISSO	LVED)							
<b>Batch 217571</b> SampID: LCS-217571	SampType:	LCS	L	Inits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		2.46	2.500	0	98.4	85	115	01/19/202
Magnesium			0.0500		2.25	2.500	0	89.8	85	115	01/19/202
Potassium			0.100		2.46	2.500	0	98.4	85	115	01/19/202
Sodium			0.0500		2.39	2.500	0	95.6	85	115	01/19/202
<b>Batch 217616</b> SampID: MBLK-21761	SampType:	MBLK	L	Inits mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		< 0.100	0.0350	0	0	-100	100	01/23/202
Magnesium			0.050		< 0.050	0.0055	0	0	-100	100	01/23/202
Potassium			0.100		< 0.100	0.0400	0	0	-100	100	01/23/202
Batch 217616 SampID: LCS-217616	SampType:	LCS	L	Inits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		2.41	2.500	0	96.2	85	115	01/23/202
Magnesium			0.050		2.28	2.500	0	91.4	85	115	01/23/202
Potassium			0.100		2.55	2.500	0	102.0	85	115	01/23/202
Sodium			0.050	В	2.42	2.500	0	96.9	85	115	01/23/202
	SampType:	MS	L	Inits mg/L							
SampID: 24010247-06 Analyses	64CMS	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	01/23/202
Magnesium			0.050	S	54.4	2.500	53.00	54.4	75	125	01/23/202
Potassium			0.100		6.39	2.500	3.895	99.7	75	125	01/23/202
Sodium			0.050	BS	143	2.500	143.2	-22.0	75	125	01/23/202
	SampType:	MSD	L	Inits mg/L					RPD Lir	nit <b>20</b>	
SampID: 24010247-06	64CMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		Analyzed
Calcium			0.100	S	143	2.500	144.5	-58.0	144.3	0.84	01/23/202
Magnesium			0.050	S	54.0	2.500	53.00	38.2	54.36	0.75	01/23/20
Potassium			0.100		6.34	2.500	3.895	97.9	6.387	0.70	01/23/20
Sodium			0.050	BS	142	2.500	143.2	-45.2	142.7	0.41	01/23/20



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SW-846 3005A, 6010B, META	LS BY ICE	P (DISSC	LVED)							
Batch         217616         SampType:           SampID:         24011359-009CMS	MS	L	Inits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Magnesium		0.050	S	50.4	2.500	48.80	62.8	75	125	01/23/202
Batch 217616 SampType:	MSD	l	Inits <b>mg/L</b>					RPD Lir	nit <b>20</b>	
SampID: 24011359-009CMSD	_					0014.0.414	0/BE0	555 5 ()		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		•
Magnesium		0.050	S	50.4	2.500	48.80	66.1	50.37	0.17	01/23/202
Satch 217751 SampType: SampID: MBLK-217751	MBLK	ι	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	01/25/202
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/25/202
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/24/202
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/25/202
<b>Batch 217751 SampType:</b> SampID: LCS-217751	LCS	ι	Inits mg/L							
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Calcium	Cert	0.100	Quai	2.37	2.500	0	94.6	85	115	01/24/202
Magnesium		0.0500		2.17	2.500	0	86.8	85	115	01/24/202
Potassium		0.100		2.52	2.500	0	100.7	85	115	01/24/202
Sodium		0.0500		2.33	2.500	0	93.4	85	115	01/24/202
Batch 217878 SampType: SampID: MBLK-217878	MBLK	L	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		< 0.100	0.0350		0	-100	100	01/29/202
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	01/26/202
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	01/26/202
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	01/29/202
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/26/20
Magnesiani										
_		0.0070		< 0.0070	0.0025	0	0	-100	100	01/26/20
Manganese Potassium		0.0070 0.100		< 0.0070 < 0.100	0.0025 0.0400		0	-100 -100	100 100	01/26/20 01/26/20



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SW-846 3005A, 6010B, META	LS BY ICE	(DISSO	LVED)							
Batch217878SampType:SampID:LCS-217878	LCS	L	Inits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	L	Inits <b>mg/L</b>							
SampID: 24011713-003DMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Iron		0.0400		1.83	2.000	0	91.6	75	125	01/26/2024
Batch 217878 SampType:	MSD	L	Inits mg/L					RPD Lir	mit <b>20</b>	
SampID: 24011713-003DMSD	Cont	DI	Ovol	Dagult	Cmileo	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Analyses Iron	Cert	RL 0.0400	Qual	Result	2.000	0	91.9	1.833	0.29	01/26/2024
Batch 217878 SampType:	Me	1	Inits <b>mg/L</b>							
SampID: 24011763-001CMS	INIO		ing/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	L	Inits mg/L					RPD Lir	mit <b>20</b>	
SampID: 24011763-001CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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	L	Inits mg/L							
SampID: 24011764-001CMS Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron	Cert	0.0400	Qual	3.56	4.000	0	89.0	75	125	01/26/2024
										01/26/2024
Manganese		0.0070		1.24	1.000	0.4214	81.5	75	125	01/26



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	10B, METAL	-0 01 101	(DISSO	LVLD							
	SampType:	MSD	U	nits <b>mg/L</b>					RPD Lin	nit <b>20</b>	
SampID: 24011764-0	001CMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Iron			0.0400		3.59	4.000	0	89.8	3.560	0.84	01/26/202
Manganese			0.0070		1.25	1.000	0.4214	82.4	1.236	0.75	01/26/202
Batch 217953 SampID: MBLK-2179	SampType:	MBLK	U	nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		< 0.100	0.0350	0	0	-100	100	01/30/20
Magnesium			0.0500		< 0.0500	0.0055	0	0	-100	100	01/30/20
Potassium			0.100		< 0.100	0.0400	0	0	-100	100	01/30/20
Sodium			0.0500		< 0.0500	0.0180	0	0	-100	100	01/30/20
Batch 217953 SampID: LCS-21795	SampType:			nits mg/L	D. I.	g 11	CDV Det Vol	0/ DEC	l ou limit	I liab I imit	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	•
Calcium			0.100		2.38	2.500	0	95.4	85	115	01/30/20
Magnesium			0.0500		2.21	2.500	0	88.4	85	115	01/30/20
Potassium			0.100		2.51	2.500	0	100.5	85	115	01/30/20
Sodium			0.0500		2.38	2.500	0	95.1	85	115	01/30/20
Batch 217953	SampType:	MS	U	nits <b>mg/L</b>							
SampID: 24010247-1	104CMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100	S	129	2.500	128.2	37.6	75	125	01/30/20
Magnesium			0.050	S	58.0	2.500	56.47	62.9	75	125	01/30/20
Potassium			0.100		4.59	2.500	2.045	101.8	75	125	01/30/20
Sodium			0.050	S	92.9	2.500	89.35	142.8	75	125	01/30/20
<b>Batch 217953</b> SampID: 24010247-1	SampType:	MSD	U	nits <b>mg/L</b>					RPD Lir	nit <b>20</b>	Data
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Calcium			0.100	S	130	2.500	128.2	74.4	129.1	0.71	01/30/20
Magnesium			0.050	S	58.2	2.500	56.47	70.0	58.04	0.31	01/30/20
Potassium			0.100		4.69	2.500	2.045	105.6	4.590	2.08	01/30/20
						2.500	89.35	222.4	92.92	2.12	01/30/20



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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, META		•	•							
Satch 218350 SampType:	MBLK	U	nits <b>mg/L</b>							
SampID: MBLK-218350	<b>G</b> .	DI	0 1	<b>7</b> 5 - 1.	G '1	CDI/ Dof Vol	0/ DEC	Lovelimit	Iliah Limit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	•
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	02/07/202
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	02/07/202
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	02/07/202
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	02/07/202
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/07/202
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	02/07/202
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	02/07/202
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	02/07/202
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/07/202
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	02/07/202
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/07/202
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	02/07/202
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/07/202
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	02/07/202
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	02/07/202
Batch 218350 SampType:	LCS	U	nits <b>mg/L</b>							
SampID: LCS-218350										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		0.0500		0.460	0.5000	0	91.9	85	115	02/07/202
Arsenic		0.0250		0.491	0.5000	0	98.2	85	115	02/07/202
Boron		0.0200		0.464	0.5000	0	92.7	85	115	02/07/202
Cadmium		0.0020		0.0467	0.0500	0	93.4	85	115	02/07/202
Calcium		0.100		2.44	2.500	0	97.5	85	115	02/07/202
Chromium		0.0050		0.188	0.2000	0	94.2	85	115	02/07/202
Iron		0.0400		1.92	2.000	0	96.0	85	115	02/07/202
Lead		0.0150		0.480	0.5000	0	96.0	85	115	02/07/202
Magnesium		0.0500		2.26	2.500	0	90.4	85	115	02/07/202
Manganese		0.0070		0.482	0.5000	0	96.3	85	115	02/07/202
Potassium		0.100		2.49	2.500	0	99.5	85	115	02/07/202
						0	93.2	85	115	02/07/202
Selenium		0.0400		0.466	0.5000	U	JJ.2	00	113	02/01/202
					0.5000 2.500					
Selenium Sodium Vanadium		0.0400 0.0500 0.0100		2.36 0.475	2.500 0.5000	0	94.5 95.0	85 85	115 115 115	02/07/202

0.0100

0.470

0.5000 0

94.0

85

115

02/07/2024



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	pType:	MS	U	Inits mg/L							
SampID: 24020311-002CM Analyses	//S	Cert	RL	Oual	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	02/07/202
Magnesium			0.050		26.2	2.500	24.03	87.7	75	125	02/07/202
Potassium			0.100		3.44	2.500	0.9776	98.4	75	125	02/07/202
Sodium			0.050	S	60.9	2.500	59.67	47.6	75	125	02/07/202
Satch 218350 Samp	рТуре:	MSD	U	Inits <b>mg/L</b>					RPD Lir	nit <b>20</b>	
SampID: 24020311-002CM Analyses	MSD	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Calcium		0011	0.100	Quui	62.5	2.500	60.54	76.8	62.35	0.18	02/07/202
Magnesium			0.050		26.1	2.500	24.03	84.4	26.22	0.32	02/07/202
Potassium			0.100		3.38	2.500	0.9776	96.3	3.437	1.53	02/07/202
Sodium			0.050	S	60.6	2.500	59.67	35.6	60.86	0.49	02/07/202
	METAL	S BY ICP			60.6	2.500	59.67	35.6	60.86	0.49	02/07/202
SW-846 3005A, 6010B,	METAL pType:	S BY ICP	(TOTAL		60.6	2.500	59.67	35.6	60.86	0.49	02/07/202
SW-846 3005A, 6010B, Batch <sup>217484</sup> Samp			(TOTAL	_)	60.6	2.500	59.67	35.6	60.86	0.49	02/07/202
SW-846 3005A, 6010B, Batch 217484 Samp SampID: MBLK-217484			(TOTAL	_)	60.6 Result	2.500 Spike	59.67 SPK Ref Val		60.86 Low Limit		02/07/202  Date Analyzed
SW-846 3005A, 6010B, Batch 217484 Samp SampID: MBLK-217484 Analyses		MBLK	<b>(TOTAL</b>	-) Inits <b>mg/L</b>							Date
SW-846 3005A, 6010B, Batch 217484 Samp SampID: MBLK-217484 Analyses Calcium		MBLK	(TOTAL	-) Inits <b>mg/L</b>	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SW-846 3005A, 6010B,  Batch 217484 Samp  BampID: MBLK-217484  Analyses  Calcium  Magnesium		MBLK	RL 0.100	-) Inits <b>mg/L</b>	Result	Spike 0.0350	SPK Ref Val	%REC 0	Low Limit -100	High Limit	Date Analyzed 01/18/202
SW-846 3005A, 6010B, Batch 217484 Samp BampID: MBLK-217484 Analyses Calcium Magnesium Potassium		MBLK	RL 0.100 0.0500	-) Inits <b>mg/L</b>	Result < 0.100 < 0.0500	Spike 0.0350 0.0055 0.0400	SPK Ref Val 0	%REC 0 0	Low Limit -100 -100	High Limit 100 100	Date Analyzed 01/18/202
SW-846 3005A, 6010B, Batch 217484 Samp BampID: MBLK-217484  Analyses Calcium Magnesium Potassium Sodium  Batch 217484 Samp		<b>Cert</b>	RL 0.100 0.0500 0.100 0.0500	-) Inits <b>mg/L</b>	Result < 0.100 < 0.0500 < 0.100	Spike 0.0350 0.0055 0.0400	SPK Ref Val 0 0	%REC 0 0	Low Limit -100 -100 -100	High Limit 100 100 100	Date Analyzed 01/18/202 01/18/202
SW-846 3005A, 6010B, Batch 217484 Samp BampID: MBLK-217484  Analyses Calcium  Magnesium  Potassium  Sodium  Satch 217484 Samp	рТуре:	<b>Cert</b>	RL 0.100 0.0500 0.100 0.0500	_) Inits mg/L Qual	Result < 0.100 < 0.0500 < 0.100 < 0.0500	Spike 0.0350 0.0055 0.0400 0.0180	SPK Ref Val 0 0 0 0	%REC 0 0 0	Low Limit -100 -100 -100 -100	High Limit 100 100 100 100	Date Analyzed 01/18/202 01/18/202 01/18/202
SW-846 3005A, 6010B, Batch 217484 Samp BampID: MBLK-217484  Analyses Calcium Magnesium Potassium Sodium  Batch 217484 Samp BampID: LCS-217484  Analyses	рТуре:	<b>Cert</b>	RL 0.100 0.0500 0.100 0.0500 U	_) Inits mg/L Qual	Result < 0.100 < 0.0500 < 0.100 < 0.0500	Spike 0.0350 0.0055 0.0400 0.0180	SPK Ref Val 0 0 0 0 SPK Ref Val	%REC 0 0 0 0 0 %REC	Low Limit -100 -100 -100 -100 -100	High Limit 100 100 100 100 High Limit	Date Analyzed 01/18/202 01/18/202 01/18/202 Date Analyzed
SW-846 3005A, 6010B, Batch 217484 Samp BampID: MBLK-217484  Analyses Calcium Magnesium Potassium Sodium  Batch 217484 Samp BampID: LCS-217484  Analyses	рТуре:	Cert  LCS	RL 0.100 0.0500 0.100 0.0500	-) Inits mg/L Qual	Result < 0.100 < 0.0500 < 0.100 < 0.0500  Result 2.69	Spike 0.0350 0.0055 0.0400 0.0180  Spike 2.500	SPK Ref Val 0 0 0 0 SPK Ref Val 0	%REC 0 0 0 0 0 %REC 107.5	Low Limit -100 -100 -100 -100	High Limit 100 100 100 100	Date Analyzed 01/18/20 01/18/20 01/18/20 Date Analyzed
SW-846 3005A, 6010B,  Batch 217484 Samp  BampID: MBLK-217484  Analyses  Calcium  Magnesium  Potassium  Sodium  Batch 217484 Samp  BampID: LCS-217484  Analyses  Calcium	рТуре:	Cert  LCS	RL 0.100 0.0500 0.100 0.0500 U	-) Inits mg/L Qual	Result < 0.100 < 0.0500 < 0.100 < 0.0500	Spike 0.0350 0.0055 0.0400 0.0180	SPK Ref Val 0 0 0 0 SPK Ref Val	%REC 0 0 0 0 0 %REC	Low Limit -100 -100 -100 -100 -100	High Limit 100 100 100 100 High Limit	Date Analyzed 01/18/202 01/18/202 01/18/202 Date Analyzed
SW-846 3005A, 6010B, Batch 217484 Samp SampID: MBLK-217484 Analyses Calcium Magnesium Potassium Sodium	рТуре:	Cert  LCS	RL 0.100 0.0500 U	-) Inits mg/L Qual	Result < 0.100 < 0.0500 < 0.100 < 0.0500  Result 2.69	Spike 0.0350 0.0055 0.0400 0.0180  Spike 2.500	SPK Ref Val 0 0 0 0 SPK Ref Val 0	%REC 0 0 0 0 0 %REC 107.5	Low Limit -100 -100 -100 -100 -100	High Limit 100 100 100 100 High Limit 115	Date Analyzed 01/18/202 01/18/202 01/18/202 Date



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SW-846 3005A, 6	6010B, METAI	LODITOR	(IOIAL	- <i>1</i>							
Batch 217566	SampType:	MBLK	U	nits mg/L							
SampID: MBLK-21	17566										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		< 0.100	0.0350	0	0	-100	100	01/19/202
Magnesium			0.0500		< 0.0500	0.0055	0	0	-100	100	01/19/202
Potassium			0.100		< 0.100	0.0400	0	0	-100	100	01/19/20
Sodium			0.0500		< 0.0500	0.0180	0	0	-100	100	01/19/202
Batch 217566	SampType:	LCS	U	nits <b>mg/L</b>							
SampID: LCS-217	7566										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		2.58	2.500	0	103.3	85	115	01/19/20
Magnesium			0.0500		2.35	2.500	0	93.9	85	115	01/19/20
Potassium			0.100		2.58	2.500	0	103.1	85	115	01/19/20
Sodium			0.0500		2.56	2.500	0	102.4	85	115	01/19/20
					2.50	2.500		102.4			01/10/20
<b>Batch <sup>217566</sup></b> SampID: 2401127	SampType: '0-002CMS	MS	U	nits mg/L							Date
Batch 217566 SampID: 2401127 Analyses		MS Cert	U RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Batch 217566 SampID: 2401127 Analyses Calcium			RL 0.100		Result 273	Spike 2.500	SPK Ref Val 271.5	%REC 47.2	Low Limit 75	High Limit	Date Analyzed
Batch 217566 SampID: 2401127 Analyses			U RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Batch 217566 SampID: 2401127 Analyses Calcium Magnesium Batch 217566	70-002CMS SampType:		RL 0.100 0.0500	Qual	Result 273	Spike 2.500	SPK Ref Val 271.5	%REC 47.2	Low Limit 75	High Limit 125 125	Date Analyzed 01/19/20 01/19/20
Batch 217566 SamplD: 2401127 Analyses Calcium Magnesium Batch 217566 SamplD: 2401127	70-002CMS SampType:	Cert	RL 0.100 0.0500	Qual S	Result 273	Spike 2.500	SPK Ref Val 271.5	%REC 47.2 110.9	Low Limit 75 75	High Limit 125 125 mit <b>20</b>	Date Analyzed
Batch 217566 SamplD: 2401127 Analyses Calcium Magnesium  Batch 217566 SamplD: 2401127	70-002CMS SampType:	Cert	U RL 0.100 0.0500	Qual S nits mg/L	Result 273 97.9	Spike 2.500 2.500	SPK Ref Val 271.5 95.09	%REC 47.2 110.9	Low Limit 75 75 75 RPD Lir	High Limit 125 125 mit <b>20</b>	Date Analyzed 01/19/20 01/19/20 Date Analyzed
Batch 217566 SampID: 2401127 Analyses Calcium Magnesium  Batch 217566 SampID: 2401127 Analyses	70-002CMS SampType:	Cert	U RL 0.100 0.0500 U	Qual S nits mg/L	Result 273 97.9 Result	Spike 2.500 2.500 Spike	SPK Ref Val 271.5 95.09	%REC 47.2 110.9	Low Limit 75 75 RPD Lir	High Limit 125 125 mit <b>20</b>	Date Analyzed 01/19/20 01/19/20 Date Analyzed
Batch 217566 SampID: 2401127 Analyses Calcium Magnesium  Batch 217566 SampID: 2401127 Analyses Calcium Magnesium  Magnesium	SampType: 70-002CMSD SampType:	Cert	RL 0.100 0.0500 U RL 0.100 0.0500	Qual S nits mg/L Qual	Result 273 97.9 Result 274	Spike 2.500 2.500 Spike 2.500	SPK Ref Val 271.5 95.09 SPK Ref Val 271.5	%REC 47.2 110.9 %REC 118.0	Low Limit 75 75  RPD Lin  RPD Ref Vol 272.6	High Limit 125 125 mit 20 al %RPD 0.65	Date Analyzed 01/19/20 01/19/20 Date Analyzed
Batch 217566 SampID: 2401127 Analyses Calcium Magnesium  Batch 217566 SampID: 2401127 Analyses Calcium Magnesium  Magnesium  Batch 217595 SampID: MBLK-21	SampType: 70-002CMSD SampType:	Cert  MSD  Cert	RL 0.100 0.0500 URL 0.100 0.0500	Qual S Inits mg/L Qual S Inits mg/L	Result 273 97.9 Result 274 98.3	Spike 2.500 2.500 Spike 2.500 2.500	SPK Ref Val 271.5 95.09 SPK Ref Val 271.5 95.09	%REC 47.2 110.9 %REC 118.0 126.8	Low Limit 75 75  RPD Lir  RPD Ref V: 272.6 97.86	High Limit 125 125 mit 20 al %RPD 0.65 0.41	Date Analyzed 01/19/20 01/19/20  Date Analyzed 01/19/20 01/19/20  Date
Batch 217566 SampID: 2401127 Analyses Calcium Magnesium  Batch 217566 SampID: 2401127 Analyses Calcium Magnesium  Magnesium  Magnesium  Batch 217595 SampID: MBLK-24 Analyses	SampType: 70-002CMSD SampType:	Cert  MSD  Cert	RL 0.100 0.0500 URL 0.100 0.0500	Qual S Inits mg/L Qual S	Result 273 97.9 Result 274 98.3	Spike 2.500 2.500 Spike 2.500 2.500	SPK Ref Val 271.5 95.09 SPK Ref Val 271.5 95.09	%REC 47.2 110.9 %REC 118.0 126.8	Low Limit 75 75  RPD Lin  RPD Ref Vol 272.6 97.86	High Limit  125 125  mit 20  al %RPD  0.65 0.41  High Limit	Date Analyzed 01/19/20 01/19/20 Date Analyzed 01/19/20 Date Analyzed
Batch 217566 SampID: 2401127 Analyses Calcium Magnesium  Batch 217566 SampID: 2401127 Analyses Calcium Magnesium  Batch 217595 SampID: MBLK-24 Analyses Calcium	SampType: 70-002CMSD SampType:	Cert  MSD  Cert	RL 0.100 0.0500 URL 0.100 0.0500	Qual S Inits mg/L Qual S Inits mg/L	Result 273 97.9 Result 274 98.3 Result < 0.100	Spike 2.500 2.500 Spike 2.500 2.500 Spike 0.0350	SPK Ref Val 271.5 95.09 SPK Ref Val 271.5 95.09	%REC 47.2 110.9 %REC 118.0 126.8	Low Limit 75 75  RPD Lir  RPD Ref V: 272.6 97.86	High Limit 125 125 mit 20 al %RPD 0.65 0.41	Date Analyzed 01/19/20 01/19/20  Date Analyzed 01/19/20 01/19/20
Batch 217566 SampID: 2401127 Analyses Calcium Magnesium  Batch 217566 SampID: 2401127 Analyses Calcium Magnesium  Magnesium  Batch 217595 SampID: MBLK-24 Analyses	SampType: 70-002CMSD SampType:	Cert  MSD  Cert	RL 0.100 0.0500 URL 0.100 0.0500	Qual S Inits mg/L Qual S Inits mg/L	Result 273 97.9 Result 274 98.3	Spike 2.500 2.500 Spike 2.500 2.500	SPK Ref Val 271.5 95.09 SPK Ref Val 271.5 95.09	%REC 47.2 110.9 %REC 118.0 126.8	Low Limit 75 75  RPD Lin  RPD Ref Vol 272.6 97.86	High Limit  125 125  mit 20  al %RPD  0.65 0.41  High Limit	Date Analyzed 01/19/20 01/19/20 Date Analyzed 01/19/20 Date Analyzed
Batch 217566 SampID: 2401127 Analyses Calcium Magnesium  Batch 217566 SampID: 2401127 Analyses Calcium Magnesium  Batch 217595 SampID: MBLK-24 Analyses Calcium	SampType: 70-002CMSD SampType:	Cert  MSD  Cert	RL 0.100 0.0500 URL 0.100 0.0500	Qual S Inits mg/L Qual S Inits mg/L	Result 273 97.9 Result 274 98.3 Result < 0.100	Spike 2.500 2.500 Spike 2.500 2.500 Spike 0.0350	SPK Ref Val 271.5 95.09 SPK Ref Val 271.5 95.09 SPK Ref Val 0	%REC 47.2 110.9  %REC 118.0 126.8	Low Limit  75  75  RPD Lin  RPD Ref Vo.  272.6  97.86  Low Limit  -100	High Limit  125 125  mit 20  al %RPD  0.65 0.41  High Limit  100	Date Analyzec 01/19/20 01/19/20 Date Analyzec 01/19/20 Date Analyzec 01/24/20



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	TOD, WILTAL	S BY ICE	(TOTAL	-)							
<b>Batch <sup>217595</sup></b> SampID: LCS-21759	SampType: 95	LCS	U	nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		2.51	2.500	0	100.2	85	115	01/24/202
Magnesium			0.0500		2.30	2.500	0	92.1	85	115	01/24/20
Potassium			0.100		2.62	2.500	0	104.8	85	115	01/24/20
Sodium			0.0500		2.45	2.500	0	97.9	85	115	01/24/202
Batch 217595 SampID: 24010247-	SampType: 019BMS	MS	U	nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		92.5	2.500	90.30	86.8	75	125	01/24/20
Magnesium			0.050		38.8	2.500	36.59	87.0	75	125	01/24/20
Potassium			0.100		6.26	2.500	3.466	111.8	75	125	01/24/20
Sodium			0.050	S	292	2.500	291.5	20.8	75	125	01/24/20
Batch 217595	SampType:	MSD	U	nits <b>mg/L</b>					RPD Lir	mit <b>20</b>	
SampID: 24010247- Analyses	019BMSD	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Calcium		COIT	0.100	S							
			0.100	3	94.3	2.500	90.30	161.6	92.47	2.00	01/24/20
			0.050	3	94.3 39.7	2.500	90.30 36.59	161.6 124.0	92.47 38.76	2.00 2.36	
				3							01/24/20
Magnesium			0.050	S	39.7	2.500	36.59	124.0	38.76	2.36	01/24/20 01/24/20 01/24/20 01/24/20
Magnesium Potassium Sodium  Batch 217740	SampType:	MBLK	0.050 0.100 0.050		39.7 6.31	2.500 2.500	36.59 3.466	124.0 113.9	38.76 6.261	2.36 0.81	01/24/20 01/24/20
Magnesium Potassium Sodium  Batch 217740 SampID: MBLK-217			0.050 0.100 0.050	S nits <b>mg/L</b>	39.7 6.31 299	2.500 2.500 2.500	36.59 3.466	124.0 113.9 285.6	38.76 6.261	2.36 0.81 2.24	01/24/20 01/24/20 01/24/20 Date
Magnesium Potassium Sodium  Batch 217740 SampID: MBLK-217		MBLK Cert	0.050 0.100 0.050	S	39.7 6.31	2.500 2.500	36.59 3.466 291.5	124.0 113.9 285.6	38.76 6.261 292.0	2.36 0.81 2.24	01/24/20 01/24/20 01/24/20
Magnesium Potassium Sodium  Batch 217740 SampID: MBLK-2177			0.050 0.100 0.050 U	S nits <b>mg/L</b>	39.7 6.31 299	2.500 2.500 2.500 Spike	36.59 3.466 291.5 SPK Ref Val 0	124.0 113.9 285.6 %REC	38.76 6.261 292.0 Low Limit	2.36 0.81 2.24 High Limit	01/24/20 01/24/20 01/24/20 Date Analyzed
Magnesium Potassium Sodium  Batch 217740 SampID: MBLK-2177 Analyses Antimony			0.050 0.100 0.050 U RL 0.0500	S nits <b>mg/L</b>	39.7 6.31 299 Result < 0.0500	2.500 2.500 2.500 Spike 0.0068	36.59 3.466 291.5 SPK Ref Val 0	124.0 113.9 285.6 %REC 0	38.76 6.261 292.0 Low Limit -100	2.36 0.81 2.24 High Limit 100	01/24/20 01/24/20 01/24/20 Date Analyzec 01/25/20
Magnesium Potassium Sodium  Batch 217740 SampID: MBLK-2177 Analyses Antimony Arsenic Boron			0.050 0.100 0.050 U RL 0.0500 0.0250	S nits <b>mg/L</b>	39.7 6.31 299 Result < 0.0500 < 0.0250	2.500 2.500 2.500 Spike 0.0068 0.0087	36.59 3.466 291.5 SPK Ref Val 0 0	124.0 113.9 285.6 %REC 0	38.76 6.261 292.0 Low Limit -100 -100	2.36 0.81 2.24 High Limit 100 100	01/24/20 01/24/20 01/24/20 Date Analyzeo
Magnesium Potassium Sodium  Batch 217740 SampID: MBLK-2177 Analyses Antimony Arsenic Boron Cadmium			0.050 0.100 0.050 U RL 0.0500 0.0250 0.0200	S nits <b>mg/L</b>	39.7 6.31 299 Result <0.0500 <0.0250 <0.0200	2.500 2.500 2.500 2.500 Spike 0.0068 0.0087 0.0090	36.59 3.466 291.5 SPK Ref Val 0 0 0	124.0 113.9 285.6 %REC 0 0	38.76 6.261 292.0 Low Limit -100 -100	2.36 0.81 2.24 High Limit 100 100	01/24/20 01/24/20 01/24/20 01/24/20 Date Analyzed 01/25/20 01/25/20
Magnesium Potassium Sodium  Batch 217740 SampID: MBLK-2177  Analyses Antimony Arsenic Boron Cadmium Calcium			0.050 0.100 0.050 URL 0.0500 0.0250 0.0200 0.0020	S nits <b>mg/L</b>	39.7 6.31 299 Result <0.0500 <0.0250 <0.0200 <0.0020	2.500 2.500 2.500 2.500 Spike 0.0068 0.0087 0.0090 0.0005	36.59 3.466 291.5 SPK Ref Val 0 0 0 0	124.0 113.9 285.6 %REC 0 0 0	38.76 6.261 292.0 Low Limit -100 -100 -100	2.36 0.81 2.24 High Limit 100 100 100	01/24/20 01/24/20 01/24/20 01/24/20 Date Analyzec 01/25/20 01/25/20 01/25/20
Magnesium Potassium Sodium  Batch 217740 SampID: MBLK-2177  Analyses Antimony Arsenic Boron Cadmium Calcium			0.050 0.100 0.050 URL 0.0500 0.0250 0.0200 0.0020 0.100	S nits <b>mg/L</b>	39.7 6.31 299 Result <0.0500 <0.0250 <0.0200 <0.0020 <0.100	2.500 2.500 2.500 2.500 Spike 0.0068 0.0087 0.0090 0.0005 0.0350	36.59 3.466 291.5 SPK Ref Val 0 0 0 0 0	124.0 113.9 285.6 %REC 0 0 0	38.76 6.261 292.0 Low Limit -100 -100 -100 -100	2.36 0.81 2.24 High Limit 100 100 100 100	01/24/20 01/24/20 01/24/20 01/24/20 01/25/20 01/25/20 01/25/20 01/25/20 01/25/20
Magnesium Potassium Sodium  Batch 217740 SamplD: MBLK-2177 Analyses Antimony Arsenic Boron Cadmium Calcium Chromium			0.050 0.100 0.050 URL 0.0500 0.0250 0.0200 0.0020 0.100 0.0050	S nits <b>mg/L</b>	39.7 6.31 299 Result <0.0500 <0.0250 <0.0200 <0.0020 <0.100 <0.0050	2.500 2.500 2.500 2.500 Spike 0.0068 0.0087 0.0090 0.0005 0.0350 0.0028	36.59 3.466 291.5 SPK Ref Val 0 0 0 0 0 0	124.0 113.9 285.6 %REC 0 0 0 0	38.76 6.261 292.0 Low Limit -100 -100 -100 -100 -100	2.36 0.81 2.24 High Limit 100 100 100 100 100	01/24/20 01/24/20 01/24/20 01/24/20 01/25/20 01/25/20 01/25/20 01/25/20 01/25/20 01/25/20
Magnesium Potassium Sodium  Batch 217740 SampID: MBLK-2177 Analyses Antimony Arsenic Boron Cadmium Calcium Chromium Lead			0.050 0.100 0.050 RL 0.0500 0.0250 0.0220 0.100 0.0050 0.0150	S nits <b>mg/L</b>	39.7 6.31 299 Result <0.0500 <0.0250 <0.0200 <0.0020 <0.100 <0.0050 <0.0150	2.500 2.500 2.500 2.500 Spike 0.0068 0.0087 0.0090 0.0005 0.0350 0.0028 0.0040	36.59 3.466 291.5 SPK Ref Val 0 0 0 0 0 0 0	124.0 113.9 285.6 %REC 0 0 0 0 0	38.76 6.261 292.0 Low Limit -100 -100 -100 -100 -100 -100	2.36 0.81 2.24 High Limit 100 100 100 100 100 100 100	01/24/20 01/24/20 01/24/20 01/24/20 01/25/20 01/25/20 01/25/20 01/25/20
Magnesium Potassium Sodium  Batch 217740 SampID: MBLK-2177 Analyses Antimony Arsenic Boron Cadmium Calcium Chromium Lead Magnesium			0.050 0.100 0.050 RL 0.0500 0.0250 0.0220 0.100 0.0050 0.0150 0.0500	S nits <b>mg/L</b>	39.7 6.31 299 Result < 0.0500 < 0.0250 < 0.0200 < 0.0020 < 0.0050 < 0.0150 < 0.0500	2.500 2.500 2.500 2.500 Spike 0.0068 0.0087 0.0090 0.0005 0.0350 0.0028 0.0040 0.0055	36.59 3.466 291.5  SPK Ref Val 0 0 0 0 0 0 0 0 0 0	124.0 113.9 285.6 %REC 0 0 0 0 0 0 0	38.76 6.261 292.0  Low Limit -100 -100 -100 -100 -100 -100 -100 -10	2.36 0.81 2.24 High Limit 100 100 100 100 100 100 100 10	01/24/20 01/24/20 01/24/20 01/24/20 01/25/20 01/25/20 01/25/20 01/25/20 01/25/20 01/25/20



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SW-846 3005A, 6010B, META	LS BY ICF	(TOTAL	_)							
Batch 217740 SampType:			Inits <b>mg/L</b>							
SampID: LCS-217740										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		0.0500		0.527	0.5000	0	105.4	85	115	01/25/202
Arsenic		0.0250		0.537	0.5000	0	107.4	85	115	01/25/202
Boron		0.0200		0.506	0.5000	0	101.2	85	115	01/25/202
Cadmium		0.0020		0.0516	0.0500	0	103.2	85	115	01/25/202
Calcium		0.100		2.66	2.500	0	106.4	85	115	01/25/202
Chromium		0.0050		0.209	0.2000	0	104.3	85	115	01/25/202
Lead		0.0150		0.516	0.5000	0	103.3	85	115	01/25/202
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	01/25/202
<b>Batch 217740 SampType:</b> SampID: 24010247-011BMS	MS	U	Inits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100	S	89.5	2.500	85.83	148.4	75	125	01/25/202
Magnesium		0.050		36.8	2.500	33.95	115.5	75	125	01/25/202
Potassium		0.100		5.41	2.500	2.720	107.5	75	125	01/25/202
Sodium		0.050	S	89.1	2.500	85.79	130.8	75	125	01/25/202
Batch 217740 SampType:	MSD	U	Inits mg/L					RPD Lir	nit <b>20</b>	
SampID: 24010247-011BMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Calcium	CCIT	0.100	Quui	88.9	2.500	85.83	124.4	89.54	0.67	01/25/202
Magnesium		0.050		36.6	2.500	33.95	107.0	36.84	0.58	01/25/202
Potassium		0.100		5.40	2.500	2.720	107.3	5.408	0.08	01/25/202
Sodium		0.050		88.7	2.500	85.79	117.6	89.06	0.37	01/25/202
Batch 217822 SampType:	MBLK	U	Inits <b>mg/L</b>							
SampID: MBLK-217822										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	01/26/202
				40.0500	0.0055	^	0	100	400	04/06/000
Magnesium		0.0500		< 0.0500	0.0055	U	0	-100	100	01/26/202
Magnesium Potassium		0.0500		< 0.0500	0.0055		0	-100	100	01/26/202



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Batch 217822	SampType:	LCS	U	nits mg/L							
SampID: LCS-21782				ŭ							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		2.56	2.500	0	102.4	85	115	01/26/202
Magnesium			0.0500		2.35	2.500	0	94.0	85	115	01/26/202
Potassium			0.100		2.63	2.500	0	105.2	85	115	01/26/202
Sodium			0.0500		2.52	2.500	0	100.7	85	115	01/26/202
Batch 217822	SampType:	MS	U	nits <b>mg/L</b>							
SampID: 24010247-0	092CMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100	S	550	2.500	537.6	486.8	75	125	01/26/202
Magnesium			0.050	S	284	2.500	278.6	213.1	75	125	01/26/202
Potassium			0.100		9.06	2.500	6.270	111.7	75	125	01/26/202
Sodium			0.050	S	175	2.500	169.9	201.2	75	125	01/26/202
Batch 217822	SampType:	MSD	U	nits <b>mg/L</b>					RPD Lir	nit <b>20</b>	
SampID: 24010247-0	092CMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Calcium			0.100	S	551	2.500	537.6	550.0	549.7	0.29	01/26/202
Magnesium			0.050	S	284	2.500	278.6	228.2	283.9	0.13	01/26/202
Potassium			0.100		9.06	2.500	6.270	111.5	9.063	0.06	01/26/202
Sodium			0.050	S	174	2.500	169.9	175.6	175.0	0.37	01/26/202
Batch 217877	SampType:	MBLK	U	nits <b>mg/L</b>							
SampID: MBLK-2178	377	a	D.		<b>5</b> 1	a	CDK Dat Val	0/ DEC	Laure Linais	I II ada I i aait	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	•
Calcium			0.100		< 0.100	0.0350	0	0	-100	100	01/26/202
Magnesium			0.0500		< 0.0500	0.0055		0	-100	100	01/26/202
Potassium			0.100		< 0.100	0.0400		0	-100	100	01/26/202
Sodium			0.0500		< 0.0500	0.0180	0	0	-100	100	01/26/202
Batch 217877 SampID: LCS-21787	SampType: 7	LCS	U	nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
			0.100		2.56	2.500	0	102.3	85	115	01/26/20
Calcium					2.25	2.500	0	94.2	85	115	01/26/20
Magnesium			0.0500		2.35	2.500	U	34.2	00	115	01/20/20
			0.0500 0.100		2.65	2.500	0	106.0	85	115	01/26/20



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SW-846 3005A, 6010B,	METAL	S BY ICF	(TOTAL	-)							
Batch 217908 Sam	рТуре:	MBLK	U	nits <b>mg/L</b>							
SampID: MBLK-217908											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		< 0.100	0.0350	0	0	-100	100	01/29/202
Chromium			0.0050		< 0.0050	0.0028	0	0	-100	100	01/29/202
Magnesium			0.0500		< 0.0500	0.0055	0	0	-100	100	01/29/20
Potassium			0.100		< 0.100	0.0400	0	0	-100	100	01/29/202
Sodium			0.0500	S	0.0986	0.0180	0	547.8	-100	100	01/29/20
Satch 217908 Sam	рТуре:	LCS	U	nits <b>mg/L</b>							
SampID: LCS-217908											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		2.61	2.500	0	104.4	85	115	01/29/20
Chromium			0.0050		0.202	0.2000	0	101.0	85	115	01/29/20
Magnesium			0.0500		2.47	2.500	0	98.9	85	115	01/29/20
Potassium			0.100		2.64	2.500	0	105.7	85	115	01/29/20
Sodium			0.0500	В	2.58	2.500	0	103.4	85	115	01/29/20
Batch 217908 Sam SampID: 24010247-107CN	pType:	MS	U	nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		2.56	2.500	0.04000	101.0	75	125	01/29/20
Magnesium			0.050		2.43	2.500	0.008800	97.0	75	125	01/29/20
Potassium			0.100		2.57	2.500	0	102.9	75	125	01/29/20
Sodium			0.050	В	2.53	2.500	0.02510	100.1	75	125	01/29/20
Batch 217908 Sam	рТуре:	MSD	U	nits <b>mg/L</b>					RPD Lir	mit <b>20</b>	
SampID: 24010247-107CN	MSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Calcium			0.100		2.61	2.500	0.04000	102.8	2.564	1.73	01/29/20
Magnesium			0.050		2.46	2.500	0.008800	98.1	2.433	1.20	01/29/20
Potassium			0.100		2.61	2.500	0	104.4	2.573	1.44	01/29/20
Sodium			0.050	В	2.56	2.500	0.02510	101.3	2.527	1.17	01/29/20
<b>Batch 217908 Sam</b> SampID: 24011794-003FN	pType:	MS	U	nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
			0.0050		0.398	0.2000	0.1989	99.6	75	125	01/29/20



Chromium

Manganese Selenium

Vanadium

Iron

Lead

Zinc

#### **Quality Control Results**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

SW-846 3005A, 60	SW-846 3005A, 6010B, METALS BY ICP (TOTAL)											
Batch 217908	SampType:	MSD	L	nits <b>mg/L</b>					RPD Li	mit <b>20</b>		
SampID: 24011794-	003FMSD										Date	
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	al %RPD	Analyzed	
Chromium 0.0050 <b>0.389</b> 0.2000 0.1989 95.2 0.3980 2.21 01/												

SW-846 3005A, 6020A, META	LS BY ICF	MS (DI	SSOLVED	)						
Batch 216527 SampType:	MBLK		Units µg/L							
SampID: MBLK-216527										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 <b>µg/L</b>							
SampID: LCS-216527										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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

174

1790

435

422

429

430

435

200.0

2000

500.0

500.0

500.0

500.0

500.0

0

0

0

0

0

0

87.1

89.4

87.0

84.3

85.9

86.0

87.0

80

80

80

80

80

80

80

1.5

25.0

1.0

2.0

1.0

5.0

15.0

120

120

120

120

120

120

120

01/31/2024

01/31/2024

01/31/2024

01/31/2024

01/31/2024

02/05/2024

01/31/2024



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								•		27
SW-846 3005A, 6020A, META	LS BY ICF	MS (D	ISSOLVED	))						
Batch 216527 SampType:	MS		Units µg/L							
SampID: 24010247-041CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	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	<b>75</b>	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 Lir	nit <b>20</b>	
SampID: 24010247-041CMSD		<b>D.</b>	0.1	<b>D</b>	a	CDK D-t V-l	0/ DEC	DDD D-61/	-I 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		
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						00140 (1)41	0/050		18 1 12 %	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	-
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	-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



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SW-846 3005A, 6020A	, METALS BY I	CPMS (I	DISSOLVED	0)						
<b>Batch 217571 San</b> SampID: LCS-217571	npType: LCS		Units µg/L							Date
Analyses	Cer	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	01/23/202
Boron		25.0		445	500.0	0	89.0	80	120	01/24/202
Cadmium		1.0		47.4	50.00	0	94.8	80	120	01/23/202
Chromium		1.5		173	200.0	0	86.7	80	120	01/29/202
Lead		1.0	В	461	500.0	0	92.2	80	120	01/23/202
Selenium		1.0		456	500.0	0	91.2	80	120	01/23/202
Zinc		15.0		441	500.0	0	88.2	80	120	01/30/202
Batch 217616 San	npType: MBLK		Units µg/L							
SampID: MBLK-217616										Date
Analyses	Cer	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	01/23/202
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	01/23/202
Boron		25.0		< 25.0	9.250	0	0	-100	100	01/23/202
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	01/23/202
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	01/23/202
Lead		1.0		< 1.0	0.6000	0	0	-100	100	01/23/202
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	01/23/202
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	01/23/202
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	01/23/202
Zinc		15.0		< 15.0	5.900	0	0	-100	100	01/30/202
	npType: LCS		Units µg/L							
SampID: LCS-217616										Date
Analyses	Cer		Qual	Result	Spike	SPK Ref Val	%REC		High Limit	Analyzed
Antimony		1.0		478	500.0	0	95.6	80	120	01/23/202
Arsenic		1.0		475	500.0	0	95.1	80	120	01/23/202
Boron		25.0		471	500.0	0	94.1	80	120	01/23/202
Cadmium		1.0		46.9	50.00	0	93.8	80	120	01/23/202
Chromium		1.5		182	200.0	0	90.9	80	120	01/23/202
Lead		1.0		435	500.0	0	86.9	80	120	01/23/202
Manganese		2.0		468	500.0	0	93.6	80	120	01/23/20
Selenium		1.0		454	500.0	0	90.7	80	120	01/23/202
Vanadium		5.0		447	500.0	0	89.4	80	120	01/30/20
Zinc		15.0		451	500.0	0	90.2	80	120	01/30/202



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SW-846 3005A, 6020A, META	LS BY ICF	MS (D	ISSOLVED	)						
<b>Batch 217616 SampType:</b> SampID: 24010247-064CMS			Units µg/L							
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	01/23/202
Boron		25.0		603	500.0	164.5	87.6	75	125	01/23/202
Cadmium		1.0		46.4	50.00	0	92.8	75	125	01/23/202
Chromium		1.5		170	200.0	1.170	84.3	75	125	01/29/202
Lead		1.0		499	500.0	2.350	99.4	75	125	01/23/202
Selenium		1.0		462	500.0	0	92.3	75	125	01/23/202
Vanadium		5.0		441	500.0	0	88.1	75	125	01/30/2024
Batch 217616 SampType:	MSD		Units µg/L					RPD Lir	nit <b>20</b>	
SampID: 24010247-064CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		Analyzed
Antimony		1.0		486	500.0	0	97.2	489.7	0.72	01/23/202
Arsenic		1.0		474	500.0	7.376	93.3	476.2	0.52	01/23/202
Boron		25.0		604	500.0	164.5	87.9	602.7	0.20	01/23/202
Cadmium		1.0		45.1	50.00	0	90.3	46.39	2.77	01/23/202
Chromium		1.5		175	200.0	1.170	86.7	169.7	2.87	01/29/202
Lead		1.0		453	500.0	2.350	90.1	499.1	9.75	01/23/202
Selenium		1.0		449	500.0	0	89.9	461.5	2.67	01/23/202
Vanadium		5.0		436	500.0	0	87.1	440.6	1.14	01/30/202
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	Cert	1.0	Quai	466	500.0	0	93.1	75	125	01/23/202
Lead		1.0		457	500.0	0	91.4	75 75	125	01/23/202
					500.0	J	Jr	. 5	.20	0 1, 20, 202
<b>Batch 217616 SampType:</b> SampID: 24011359-009CMSD	MSD		Units µg/L					RPD Lir	nit <b>20</b>	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Arsenic		1.0		470	500.0	0	94.0	465.7	0.90	01/23/202
Lead		1.0		433	500.0	0	86.7	457.0	5.30	01/23/202



Zinc

# **Quality Control Results**

http://www.teklabinc.com/

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

								-10port 2 m	20 1 05	- '
SW-846 3005A, 6020A, META	LS BY ICF	PMS (E	DISSOLVED	))						
Batch 217751 SampType:		•	Units µg/L	,						
SampID: MBLK-217751										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	01/30/202
Boron		25.0		< 25.0	9.250	0	0	-100	100	01/31/202
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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	02/01/202
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	-100	100	02/01/202
Selenium		1.0		< 1.0	0.6000		0	-100	100	02/01/2024
7:		45.0		4450	5.000	0	0	400	400	02/01/202

15.0

< 15.0

5.900 0

100

02/01/2024

-100



Zinc

# **Quality Control Results**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24010247

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

Batch 217878 SampType	LCS		Units µg/L							
SampID: LCS-217878	C =	DI	01	Dagult	C : 1	SPK Ref Val	%PEC	Low Limit	High Limit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike				-	•
Arsenic		1.0		468	500.0	0	93.6	80	120	02/01/202
Boron		25.0		433	500.0	0	86.6	80	120	02/01/202
Cadmium		1.0		43.6	50.00	0	87.2	80	120	02/01/202
Chromium		1.5		172	200.0	0	85.8	80	120	02/05/202
Iron		25.0		1890	2000	0	94.5	80	120	02/01/202
Lead		1.0		447	500.0	0	89.3	80	120	02/01/20
Manganese		2.0		450	500.0	0	90.0	80	120	02/01/202
Selenium		1.0		457	500.0	0	91.5	80	120	02/01/202
Zinc		15.0		441	500.0	0	88.2	80	120	02/01/202
Batch 217953 SampType: SampID: MBLK-217953			Units μ <b>g/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/01/202
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/01/20
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/01/20
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/01/20
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/05/20
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/01/20
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/01/20
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/01/20
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/01/20
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/01/20

< 15.0

5.900 0

15.0

-100

100

02/01/2024



Zinc

# **Quality Control Results**

http://www.teklabinc.com/

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

Batch 217953 SampType: SampID: LCS-217953	LCS	١	Units µg/L							
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	02/01/202
Arsenic		1.0		466	500.0	0	93.2	80	120	02/01/202
Boron		25.0		423	500.0	0	84.6	80	120	02/01/202
Cadmium		1.0		42.9	50.00	0	85.9	80	120	02/01/202
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	02/01/202
Manganese		2.0		452	500.0	0	90.3	80	120	02/01/202
Selenium		1.0		428	500.0	0	85.7	80	120	02/01/202
Vanadium		5.0		419	500.0	0	83.9	80	120	02/05/202
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	02/05/202
Boron		25.0		523	500.0	68.44	91.0	75	125	02/01/202
Cadmium		1.0		41.9	50.00	0	83.7	75	125	02/01/202
Chromium		1.5		166	200.0	1.185	82.6	75	125	02/05/202
Iron		25.0		1790	2000	0	89.7	75	125	02/01/202
Lead		1.0		443	500.0	0	88.5	75	125	02/01/202
Manganese		2.0		449	500.0	0.7612	89.6	75	125	02/01/202
Selenium		1.0		433	500.0	0	86.6	75	125	02/01/202

15.0

439

500.0

27.65

82.2

75

125

02/05/2024



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Batch 217953	SampType:	MSD		Units µg/L					RPD Lir	nit <b>20</b>	
SampID: 24010247	-104CMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Arsenic			1.0		465	500.0	0	93.0	452.5	2.73	02/05/202
Boron			25.0		543	500.0	68.44	95.0	523.2	3.75	02/01/202
Cadmium			1.0		41.8	50.00	0	83.7	41.86	0.03	02/01/202
Chromium			1.5		153	200.0	1.185	75.8	166.3	8.55	02/05/202
Iron			25.0		1870	2000	0	93.5	1795	4.09	02/01/202
Lead			1.0		444	500.0	0	88.9	442.7	0.39	02/01/202
Manganese			2.0		453	500.0	0.7612	90.5	448.9	1.00	02/01/202
Selenium			1.0		433	500.0	0	86.5	432.8	0.02	02/01/202
Zinc			15.0		446	500.0	27.65	83.7	438.9	1.67	02/05/202
Batch 218350	SampType:	MBLK		Units µg/L							
SampID: MBLK-218	3350										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony			1.0		< 1.0	0.4500	0	0	-100	100	02/07/202
Arsenic			1.0		< 1.0	0.3750	0	0	-100	100	02/09/202
Boron			25.0		< 25.0	9.250	0	0	-100	100	02/09/202
Chromium			1.5		< 1.5	0.7000	0	0	-100	100	02/09/202
Lead			1.0		< 1.0	0.6000	0	0	-100	100	02/07/202
Manganese			2.0		< 2.0	0.7500	0	0	-100	100	02/09/202
Selenium			1.0		< 1.0	0.6000	0	0	-100	100	02/09/202
Zinc			15.0		< 15.0	5.900	0	0	-100	100	02/09/202
Batch 218350	SampType:	LCS		Units µg/L							
SampID: LCS-2183	50										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony			1.0		472	500.0	0	94.5	80	120	02/07/202
Arsenic			1.0		493	500.0	0	98.7	80	120	02/09/202
Boron			25.0		433	500.0	0	86.6	80	120	02/09/202
Chromium			1.5		190	200.0	0	94.8	80	120	02/09/202
Lead			1.0		524	500.0	0	104.8	80	120	02/07/202
Manganese			2.0		477	500.0	0	95.4	80	120	02/09/202
Selenium			1.0		490	500.0	0	98.0	80	120	02/09/202
			15.0		472	500.0	0	94.3	80	120	02/09/202



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Batch 218350 S	ampType:	MS		Units µg/L							
SampID: 24020311-00	2CMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony			1.0		471	500.0	0	94.1	75	125	02/09/202
Arsenic			1.0		498	500.0	22.42	95.1	75	125	02/09/202
Lead			1.0		595	500.0	0	119.0	75	125	02/07/202
Selenium			1.0		471	500.0	0	94.2	75	125	02/09/202
Batch 218350 S SamplD: 24020311-00	ampType:	MSD		Units µg/L					RPD Lir	mit <b>20</b>	
	ZCIVISD	~				~	ODK D-(1)/-I	0/050	DDD D-()/	-I 0/DDD	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		
Antimony			1.0		478	500.0	0	95.7	470.6	1.64	02/09/202
Arsenic			1.0		498	500.0	22.42	95.1	497.8	0.06	02/09/20
Lead			1.0		559	500.0	0	111.8	594.8	6.20	02/07/20
Selenium			1.0		478	500.0	0	95.5	470.9	1.40	02/09/202
3atch 218350 S	ampType:	DUP		Units µg/L					RPD Lir	mit <b>20</b>	
SampID: 24010247-06	4CDUP										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Zinc			15.0		< 15.0				0	0.00	02/09/20
SW-846 3005A, 6020	A. METAI	LS BY ICE	MS (1	OTAL)							
	ampType:		( .	Units µg/L							
SampID: MBI K-21748				. 3-							Data

SW-	846 3005A, 6020A, MET	ALS BY ICP	MS (T	OTAL)							
Bato	ch 217484 SampTyp	e: MBLK		Units µg/L							
Sam	oID: MBLK-217484										Date
Ana	alyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Anti	mony		1.0		< 1.0	0.4500	0	0	-100	100	01/19/2024
Arse	enic		1.0		< 1.0	0.3750	0	0	-100	100	01/23/2024
Bari	um		1.0		< 1.0	0.7000	0	0	-100	100	01/23/2024
Cad	mium		1.0		< 1.0	0.1340	0	0	-100	100	01/23/2024
Chr	omium		1.5		< 1.5	0.7000	0	0	-100	100	01/23/2024
Cob	alt		1.0		< 1.0	0.1150	0	0	-100	100	01/19/2024
Lead	d		1.0		< 1.0	0.6000	0	0	-100	100	01/23/2024
Moly	/bdenum		1.5		< 1.5	0.6000	0	0	-100	100	01/31/2024
Sele	enium		1.0		< 1.0	0.6000	0	0	-100	100	01/19/2024
Tha	llium		2.0		< 2.0	0.9500	0	0	-100	100	01/19/2024



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SW-846 3005A, 6020A, METAI	LS BY ICP	MS (T	OTAL)							
Batch 217484 SampType:	LCS		Units µg/L							
SampID: LCS-217484										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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							
OID MDI I/ 047500										
SampID: MBLK-217566										Date
SampID: MBLK-217566  Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	Cert	1.0	Qual	< 1.0	Spike 0.4500	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed 01/23/2024
Analyses	Cert		Qual		·					Analyzed
Analyses Antimony	Cert	1.0	Qual	< 1.0	0.4500	0	0	-100	100	Analyzed 01/23/2024
Analyses Antimony Arsenic	Cert	1.0 1.0	Qual	<1.0 <1.0	0.4500 0.3750	0	0	-100 -100	100 100	Analyzed 01/23/2024 01/23/2024
Analyses Antimony Arsenic Barium	Cert	1.0 1.0 1.0	Qual	<1.0 <1.0 <1.0	0.4500 0.3750 0.7000	0 0 0	0 0 0	-100 -100 -100	100 100 100	Analyzed 01/23/2024 01/23/2024 01/23/2024
Analyses Antimony Arsenic Barium Beryllium	Cert	1.0 1.0 1.0 1.0	Qual	<1.0 <1.0 <1.0 <1.0	0.4500 0.3750 0.7000 0.2500	0 0 0	0 0 0 0	-100 -100 -100 -100	100 100 100 100	Analyzed 01/23/2024 01/23/2024 01/23/2024 01/23/2024
Analyses Antimony Arsenic Barium Beryllium Boron	Cert	1.0 1.0 1.0 1.0 25.0	Qual	<1.0 <1.0 <1.0 <1.0 <25.0	0.4500 0.3750 0.7000 0.2500 9.250	0 0 0 0	0 0 0 0	-100 -100 -100 -100 -100	100 100 100 100 100	Analyzed  01/23/2024  01/23/2024  01/23/2024  01/23/2024  01/24/2024
Analyses Antimony Arsenic Barium Beryllium Boron Cadmium	Cert	1.0 1.0 1.0 1.0 25.0	Qual	<1.0 <1.0 <1.0 <1.0 <25.0 <1.0	0.4500 0.3750 0.7000 0.2500 9.250 0.1340	0 0 0 0 0	0 0 0 0 0	-100 -100 -100 -100 -100 -100	100 100 100 100 100 100	Analyzed  01/23/2024  01/23/2024  01/23/2024  01/23/2024  01/24/2024  01/23/2024
Analyses  Antimony Arsenic Barium Beryllium Boron Cadmium Chromium	Cert	1.0 1.0 1.0 1.0 25.0 1.0	Qual	<1.0 <1.0 <1.0 <1.0 <25.0 <1.0	0.4500 0.3750 0.7000 0.2500 9.250 0.1340 0.7000	0 0 0 0 0 0	0 0 0 0 0 0	-100 -100 -100 -100 -100 -100	100 100 100 100 100 100	Analyzed  01/23/2024  01/23/2024  01/23/2024  01/23/2024  01/24/2024  01/23/2024  01/29/2024
Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt	Cert	1.0 1.0 1.0 1.0 25.0 1.0	Qual	<1.0 <1.0 <1.0 <1.0 <25.0 <1.0 <1.5 <1.0	0.4500 0.3750 0.7000 0.2500 9.250 0.1340 0.7000 0.1150	0 0 0 0 0 0 0	0 0 0 0 0 0 0	-100 -100 -100 -100 -100 -100 -100	100 100 100 100 100 100 100	Analyzed  01/23/2024  01/23/2024  01/23/2024  01/23/2024  01/23/2024  01/23/2024  01/29/2024  01/23/2024
Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead		1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0	Qual	<1.0 <1.0 <1.0 <1.0 <25.0 <1.0 <1.5 <1.0	0.4500 0.3750 0.7000 0.2500 9.250 0.1340 0.7000 0.1150 0.6000	0 0 0 0 0 0 0	0 0 0 0 0 0 0	-100 -100 -100 -100 -100 -100 -100 -100	100 100 100 100 100 100 100 100	Analyzed  01/23/2024  01/23/2024  01/23/2024  01/23/2024  01/23/2024  01/29/2024  01/23/2024  01/23/2024
Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium		1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0	Qual	<1.0 <1.0 <1.0 <1.0 <25.0 <1.0 <1.5 <1.0 <1.5 <3.0	0.4500 0.3750 0.7000 0.2500 9.250 0.1340 0.7000 0.1150 0.6000 1.450	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	-100 -100 -100 -100 -100 -100 -100 -100	100 100 100 100 100 100 100 100	Analyzed  01/23/2024  01/23/2024  01/23/2024  01/23/2024  01/23/2024  01/23/2024  01/23/2024  01/23/2024  01/23/2024



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SW-846 3005A, 6020A, META	LS BY ICF	MS (T	OTAL)							
Batch 217566 SampType:	LCS		Units µg/L							
SampID: LCS-217566										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



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SW-846 3005A, 6020A, METAI	LODITION	MS (TO	JIAL)							
Batch 217595 SampType:	LCS		Units µg/L							
SampID: LCS-217595										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
	MS		Units µg/L							
2 41011	MS		Units µg/L							Date
24,000	MS Cert	RL	Units <b>µg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: 24010247-019BMS				Result	Spike 500.0	SPK Ref Val	%REC 108.0	Low Limit 75	High Limit	
SampID: 24010247-019BMS Analyses		RL								Analyzed
SampID: 24010247-019BMS  Analyses  Antimony		RL 1.0		540	500.0	0	108.0	75	125	Analyzed 01/30/2024
SampID: 24010247-019BMS  Analyses  Antimony  Arsenic		RL 1.0 1.0		540 506	500.0 500.0	0 28.09	108.0 95.6	75 75	125 125	Analyzed 01/30/2024 01/24/2024
SampID: 24010247-019BMS  Analyses  Antimony  Arsenic  Barium		RL 1.0 1.0 1.0		540 506 2720	500.0 500.0 2000	0 28.09 618.6	108.0 95.6 105.0	75 75 75	125 125 125	Analyzed 01/30/2024 01/24/2024 01/30/2024
SampID: 24010247-019BMS  Analyses  Antimony  Arsenic  Barium  Beryllium		RL 1.0 1.0 1.0 1.0		540 506 2720 47.4	500.0 500.0 2000 50.00	0 28.09 618.6 0	108.0 95.6 105.0 94.8	75 75 75 75	125 125 125 125	Analyzed  01/30/2024  01/24/2024  01/30/2024  01/24/2024
SampID: 24010247-019BMS  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron		RL 1.0 1.0 1.0 1.0 25.0		540 506 2720 47.4 569	500.0 500.0 2000 50.00 500.0	0 28.09 618.6 0 126.1	108.0 95.6 105.0 94.8 88.6	75 75 75 75 75	125 125 125 125 125	Analyzed 01/30/2024 01/24/2024 01/30/2024 01/24/2024 01/24/2024
SampID: 24010247-019BMS  Analyses  Antimony Arsenic Barium Beryllium Boron Cadmium		RL 1.0 1.0 1.0 1.0 25.0		540 506 2720 47.4 569 43.3	500.0 500.0 2000 50.00 500.0 50.00	0 28.09 618.6 0 126.1	108.0 95.6 105.0 94.8 88.6 86.7	75 75 75 75 75 75	125 125 125 125 125 125 125	Analyzed  01/30/2024  01/24/2024  01/30/2024  01/24/2024  01/24/2024  01/24/2024
SampID: 24010247-019BMS  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron  Cadmium  Chromium		RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5		540 506 2720 47.4 569 43.3 204	500.0 500.0 2000 50.00 500.0 500.0 200.0	0 28.09 618.6 0 126.1 0 5.279	108.0 95.6 105.0 94.8 88.6 86.7 99.6	75 75 75 75 75 75 75	125 125 125 125 125 125 125	Analyzed  01/30/2024  01/24/2024  01/30/2024  01/24/2024  01/24/2024  01/29/2024
SampID: 24010247-019BMS  Analyses  Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt		RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0		540 506 2720 47.4 569 43.3 204	500.0 500.0 2000 50.00 500.0 50.00 200.0 500.0	0 28.09 618.6 0 126.1 0 5.279 1.651	108.0 95.6 105.0 94.8 88.6 86.7 99.6 93.5	75 75 75 75 75 75 75 75	125 125 125 125 125 125 125 125	Analyzed  01/30/2024  01/24/2024  01/24/2024  01/24/2024  01/24/2024  01/29/2024  02/01/2024
SampID: 24010247-019BMS  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron  Cadmium  Chromium  Cobalt  Lead	Cert	RL 1.0 1.0 1.0 1.0 25.0 1.5 1.0 1.0		540 506 2720 47.4 569 43.3 204 469	500.0 500.0 2000 50.00 500.0 200.0 500.0 500.0	0 28.09 618.6 0 126.1 0 5.279 1.651 2.253	108.0 95.6 105.0 94.8 88.6 86.7 99.6 93.5	75 75 75 75 75 75 75 75	125 125 125 125 125 125 125 125 125	Analyzed  01/30/2024  01/24/2024  01/30/2024  01/24/2024  01/24/2024  01/29/2024  02/01/2024  01/24/2024
SampID: 24010247-019BMS  Analyses  Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium	Cert	RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0		540 506 2720 47.4 569 43.3 204 469 479 453	500.0 500.0 2000 50.00 500.0 500.0 500.0 500.0	0 28.09 618.6 0 126.1 0 5.279 1.651 2.253 7.573	108.0 95.6 105.0 94.8 88.6 86.7 99.6 93.5 95.4	75 75 75 75 75 75 75 75 75	125 125 125 125 125 125 125 125 125 125	Analyzed  01/30/2024  01/24/2024  01/24/2024  01/24/2024  01/24/2024  01/29/2024  01/24/2024  01/24/2024  01/24/2024



Thallium

# **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, ME	TALS BY ICE	PMS (T	OTAL)							
	pe: MSD	•	Units µg/L					RPD Lir	mit <b>20</b>	Dete
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %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 SampTyp	pe: MBLK		Units µg/L							
SampID: MBLK-217740										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
T						_	_			

2.0

< 2.0

0.9500 0

0

-100

100

01/31/2024



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Batch 217740	SampType:	LCS		Units µg/L							
SampID: LCS-21774 Analyses	40	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		CCIT	1.0	Quai	510	500.0	0	102.0	80	120	01/31/202
Arsenic			1.0		511	500.0	0	102.1	80	120	01/31/202
Barium			1.0		1940	2000	0	97.2	80	120	01/31/202
Beryllium			1.0		52.1	50.00	0	104.2	80	120	01/31/202
Boron			25.0		505	500.0	0	101.0	80	120	01/31/202
Cadmium			1.0		49.0	50.00	0	97.9	80	120	01/31/202
Chromium			1.5		204	200.0	0	101.8	80	120	01/31/202
Cobalt			1.0		485	500.0	0	96.9	80	120	01/31/202
Lead			1.0		477	500.0	0	95.3	80	120	01/31/202
Lithium		*	3.0		512	500.0	0	102.4	80	120	01/31/202
Molybdenum			1.5		476	500.0	0	95.2	80	120	01/31/202
Selenium			1.0		468	500.0	0	93.7	80	120	01/31/202
Thallium			2.0		200	250.0	0	83.2	80	120	01/31/202
			2.0		208	250.0	O	00.2	00	120	01/01/202
3atch 217740	SampType:	MS		Units µg/L	200	250.0	0	00.2		120	01/31/202
		MS		Units µg/L	200	250.0	0	00.2		120	Date
SampID: 24010247-		MS Cert		Units <b>µg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
SampID: 24010247- Analyses											Date
SampID: 24010247-0 Analyses Antimony			RL		Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: 24010247-0 Analyses Antimony Arsenic			RL 1.0		Result	Spike 500.0	SPK Ref Val	%REC 99.5	Low Limit 75	High Limit	Date Analyzed 01/31/202 01/31/202
SampID: 24010247-0 Analyses Antimony Arsenic Barium			RL 1.0 1.0		Result 499 518	Spike 500.0 500.0	SPK Ref Val 0.8872 1.774	%REC 99.5 103.3	Low Limit 75 75	High Limit 125 125	Date Analyzed
SampID: 24010247-0 Analyses Antimony Arsenic Barium Beryllium			RL 1.0 1.0		Result 499 518 2260	Spike 500.0 500.0 2000	SPK Ref Val 0.8872 1.774 317.6	%REC 99.5 103.3 97.3	Low Limit 75 75 75 75	High Limit 125 125 125	Date Analyzed 01/31/202 01/31/202
SampID: 24010247-0 Analyses Antimony Arsenic Barium Beryllium Boron			RL 1.0 1.0 1.0		Result 499 518 2260 52.8	Spike 500.0 500.0 2000 50.00	SPK Ref Val 0.8872 1.774 317.6	%REC 99.5 103.3 97.3 105.6	Low Limit 75 75 75 75	High Limit 125 125 125 125	Date Analyzed 01/31/200 01/31/200 01/31/200
SampID: 24010247-0 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium			RL 1.0 1.0 1.0 1.0 25.0		Result 499 518 2260 52.8 604	Spike 500.0 500.0 2000 50.00 500.0	SPK Ref Val 0.8872 1.774 317.6 0 89.05	%REC 99.5 103.3 97.3 105.6 103.0	Low Limit 75 75 75 75 75 75	High Limit 125 125 125 125 125	Date Analyzed 01/31/202 01/31/202 01/31/202 01/31/202
SampID: 24010247-0 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium			RL 1.0 1.0 1.0 1.0 25.0		Result 499 518 2260 52.8 604 47.4	Spike 500.0 500.0 2000 50.00 500.0 50.00	SPK Ref Val 0.8872 1.774 317.6 0 89.05	%REC 99.5 103.3 97.3 105.6 103.0 94.8	Low Limit 75 75 75 75 75 75	High Limit  125 125 125 125 125 125	Date Analyzed 01/31/200 01/31/200 01/31/200 01/31/200 01/31/200
SampID: 24010247-0 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt			RL 1.0 1.0 1.0 1.0 25.0 1.0		Result 499 518 2260 52.8 604 47.4 184	Spike 500.0 500.0 2000 50.00 500.0 200.0	SPK Ref Val 0.8872 1.774 317.6 0 89.05 0 3.135	%REC 99.5 103.3 97.3 105.6 103.0 94.8 90.4	Low Limit 75 75 75 75 75 75 75	High Limit  125 125 125 125 125 125 125 125	Date Analyzed 01/31/200 01/31/200 01/31/200 01/31/200 01/31/200 01/31/200 01/31/200
SampID: 24010247-0 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead			RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5		Result 499 518 2260 52.8 604 47.4 184 453	Spike 500.0 500.0 2000 50.00 500.0 200.0 500.0	SPK Ref Val 0.8872 1.774 317.6 0 89.05 0 3.135 0.1918	%REC 99.5 103.3 97.3 105.6 103.0 94.8 90.4 90.6	Low Limit  75  75  75  75  75  75  75  75  75	High Limit  125 125 125 125 125 125 125 125 125	Date Analyzed 01/31/202 01/31/202 01/31/202 01/31/202 01/31/202 01/31/202 01/31/202
SampID: 24010247-0 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium		Cert	RL 1.0 1.0 1.0 25.0 1.0 1.5 1.0		Result 499 518 2260 52.8 604 47.4 184 453	Spike 500.0 500.0 2000 50.00 500.0 200.0 500.0 500.0	SPK Ref Val 0.8872 1.774 317.6 0 89.05 0 3.135 0.1918	%REC 99.5 103.3 97.3 105.6 103.0 94.8 90.4 90.6 94.6	Low Limit 75 75 75 75 75 75 75 75 75 75	High Limit  125 125 125 125 125 125 125 125 125 12	Date Analyzed 01/31/20 01/31/20 01/31/20 01/31/20 01/31/20 01/31/20 01/31/20 01/31/20
Batch 217740 SampID: 24010247-0 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium Molybdenum Selenium		Cert	RL 1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0		Result  499  518  2260  52.8  604  47.4  184  453  473  505	Spike 500.0 500.0 2000 50.00 50.00 500.0 500.0 500.0 500.0	SPK Ref Val 0.8872 1.774 317.6 0 89.05 0 3.135 0.1918 0 4.168	%REC 99.5 103.3 97.3 105.6 103.0 94.8 90.4 90.6 94.6 100.1	Low Limit  75 75 75 75 75 75 75 75 75 75 75	High Limit  125 125 125 125 125 125 125 125 125 12	Date Analyzed 01/31/202 01/31/202 01/31/202 01/31/202 01/31/202 01/31/202



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SW-846 3005A, 6	020A, METAL	LS BY ICP	PMS (TO	OTAL)							
Batch 217740	SampType:			Units µg/L					RPD Lir	nit <b>20</b>	
SampID: 24010247	'-011BMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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							_	07.0	047.7	44.40	02/01/2024
mamam			2.0		243	250.0	0	97.3	217.7	11.10	02/01/2024
					243	250.0	0	97.3	217.7	11.10	02/01/2024
Batch 217822	SampType:	MBLK		Units µg/L	243	250.0	0	97.3	217.7	11.10	02/01/2024
				Units µg/L							Date
Batch 217822		MBLK Cert		Units <b>µg/L</b> Qual	Result	250.0 Spike	0 SPK Ref Val	97.3 %REC	Low Limit	High Limit	
<b>Batch 217822</b> SampID: MBLK-21											Date
Batch 217822 SampID: MBLK-21 Analyses			RL		Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Batch 217822 SampID: MBLK-21 Analyses Antimony			RL 1.0		Result	Spike 0.4500	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed 01/30/2024
Batch 217822 SampID: MBLK-21 <sup>1</sup> Analyses Antimony Arsenic			RL 1.0 1.0		Result < 1.0 < 1.0	Spike 0.4500 0.3750	SPK Ref Val 0	%REC 0 0	Low Limit -100 -100	High Limit 100 100	Date Analyzed 01/30/2024 01/30/2024
Batch 217822 SampID: MBLK-21 Analyses Antimony Arsenic Barium			RL 1.0 1.0		Result < 1.0 < 1.0 < 1.0	Spike 0.4500 0.3750 0.7000	SPK Ref Val 0 0	%REC 0 0	Low Limit -100 -100 -100	High Limit 100 100 100	Date Analyzed 01/30/2024 01/30/2024 01/30/2024
Batch 217822 SampID: MBLK-21 Analyses Antimony Arsenic Barium Beryllium			RL 1.0 1.0 1.0		Result < 1.0 < 1.0 < 1.0 < 1.0 < 1.0	Spike 0.4500 0.3750 0.7000 0.2500	SPK Ref Val 0 0 0	%REC 0 0 0	-100 -100 -100 -100	High Limit 100 100 100 100	Date Analyzed 01/30/2024 01/30/2024 01/30/2024 01/30/2024
Batch 217822 SampID: MBLK-21 Analyses Antimony Arsenic Barium Beryllium Boron			RL 1.0 1.0 1.0 1.0 25.0		Result <1.0 <1.0 <1.0 <1.0 <25.0	Spike 0.4500 0.3750 0.7000 0.2500 9.250	SPK Ref Val 0 0 0 0 0	%REC 0 0 0 0 0	Low Limit -100 -100 -100 -100 -100	High Limit  100  100  100  100  100	Date Analyzed 01/30/2024 01/30/2024 01/30/2024 01/30/2024 01/31/2024
Batch 217822 SampID: MBLK-21 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium			RL 1.0 1.0 1.0 1.0 25.0		Result <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	Spike 0.4500 0.3750 0.7000 0.2500 9.250 0.1340	SPK Ref Val  0 0 0 0 0 0	%REC 0 0 0 0 0 0 0	-100 -100 -100 -100 -100 -100	High Limit  100 100 100 100 100 100	Date Analyzed 01/30/2024 01/30/2024 01/30/2024 01/31/2024 01/30/2024
Batch 217822 SampID: MBLK-21 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium			RL 1.0 1.0 1.0 1.0 25.0 1.0		Result <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.5	Spike 0.4500 0.3750 0.7000 0.2500 9.250 0.1340 0.7000	SPK Ref Val 0 0 0 0 0 0 0 0	%REC 0 0 0 0 0 0 0 0	Low Limit -100 -100 -100 -100 -100 -100 -100	High Limit  100 100 100 100 100 100 100	Date Analyzed 01/30/2024 01/30/2024 01/30/2024 01/31/2024 01/30/2024 01/30/2024
Batch 217822 SampID: MBLK-21 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt			RL 1.0 1.0 1.0 25.0 1.0 1.5		Result <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <25.0 <1.0 <1.5 <1.0	Spike 0.4500 0.3750 0.7000 0.2500 9.250 0.1340 0.7000 0.1150	SPK Ref Val  0 0 0 0 0 0 0 0 0 0	%REC 0 0 0 0 0 0 0 0 0 0	-100 -100 -100 -100 -100 -100 -100 -100	High Limit  100 100 100 100 100 100 100 100	Date Analyzed 01/30/2024 01/30/2024 01/30/2024 01/31/2024 01/30/2024 01/30/2024 01/30/2024
Batch 217822 SampID: MBLK-21 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead		Cert	RL 1.0 1.0 1.0 25.0 1.0 1.5 1.0		Result <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <25.0 <1.0 <1.5 <1.0	Spike 0.4500 0.3750 0.7000 0.2500 9.250 0.1340 0.7000 0.1150 0.6000	SPK Ref Val 0 0 0 0 0 0 0 0 0 0	%REC 0 0 0 0 0 0 0 0 0 0 0	Low Limit -100 -100 -100 -100 -100 -100 -100 -10	High Limit  100 100 100 100 100 100 100 100 100	Date Analyzed 01/30/2024 01/30/2024 01/30/2024 01/30/2024 01/30/2024 01/30/2024 01/30/2024
Batch 217822 SampID: MBLK-21 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium		Cert	RL 1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0		Result <1.0 <1.0 <1.0 <1.0 <1.0 <25.0 <1.0 <1.5 <1.0 <1.0	Spike 0.4500 0.3750 0.7000 0.2500 9.250 0.1340 0.7000 0.1150 0.6000 1.450	SPK Ref Val  0 0 0 0 0 0 0 0 0 0 0 0 0	%REC 0 0 0 0 0 0 0 0 0 0 0 0 0	-100 -100 -100 -100 -100 -100 -100 -100	High Limit  100 100 100 100 100 100 100 100 100 1	Date Analyzed 01/30/2024 01/30/2024 01/30/2024 01/30/2024 01/30/2024 01/30/2024 01/30/2024 01/30/2024 01/31/2024



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Batch 217822 SampTy	/pe: LCS		Units µg/L							
SampID: LCS-217822										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		1.0		500	500.0	0	99.9	80	120	01/30/202
Arsenic		1.0		511	500.0	0	102.2	80	120	01/30/202
Barium		1.0		1940	2000	0	97.1	80	120	01/30/202
Beryllium		1.0		46.9	50.00	0	93.9	80	120	01/30/202
Boron		25.0		485	500.0	0	96.9	80	120	01/31/202
Cadmium		1.0		47.4	50.00	0	94.7	80	120	01/30/202
Chromium		1.5		192	200.0	0	95.9	80	120	01/30/202
Cobalt		1.0		471	500.0	0	94.1	80	120	01/30/202
Lead		1.0		479	500.0	0	95.7	80	120	01/30/202
Lithium	*	3.0		473	500.0	0	94.5	80	120	01/31/202
Molybdenum		1.5		468	500.0	0	93.6	80	120	01/30/202
Selenium		1.0		478	500.0	0	95.6	80	120	01/30/202
Thallium		2.0		222	250.0	0	88.7	80	120	01/30/202
Satch 217822 SampTy	/pe: MS		Units µg/L							
SampID: 24010247-092CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Boron		25.0		649	500.0	181.8	93.5	75	125	01/31/202
Batch 217822 SampTy			Units µg/L					RPD Lir	nit <b>20</b>	
SampID: 24010247-092CMSE	)									Date
		RL	Qual	Dogult		SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Analyses	Cert		Quai	Result	Spike	Of It Ito: Vai				
	Cert	25.0	Quai	654	Spike 500.0	181.8	94.4	649.2	0.67	01/31/202
Analyses Boron  Batch 217877 SampTy			Units µg/L						0.67	01/31/202
Boron Batch 217877 SampTy									0.67	Date
Boron <b>Batch 217877 SampTy</b> SampID: MBLK-217877							94.4	649.2	0.67 High Limit	
Boron Batch 217877 SampTy JampID: MBLK-217877 Analyses	/pe: MBLK	25.0	Units µg/L	654	500.0	181.8	94.4	649.2		Date Analyzed
Boron  Batch 217877 SampTy  SampID: MBLK-217877  Analyses  Boron  Batch 217877 SampTy	/pe: MBLK	25.0 RL	Units µg/L	654 Result	500.0 Spike	181.8 SPK Ref Val	94.4 %REC	649.2 Low Limit	High Limit	Date Analyzed 02/01/202
Boron Batch 217877 SampTy SampID: MBLK-217877 Analyses Boron	/pe: MBLK Cert	25.0 RL	Units <b>µg/L</b> Qual	654 Result	500.0 Spike	181.8 SPK Ref Val	94.4 %REC 0	649.2 Low Limit	High Limit 100	Date Analyzed



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344-040 3003A, 6	020A, METAI	LS BY ICP	PMS (TC	OTAL)							
Batch 217908	SampType:	MBLK	l	Units µg/L							
SampID: MBLK-21	7908										Date
Analyses		Cert	RL	Qual	Result	Spike		%REC	Low Limit	High Limit	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	l	Units µg/L							
<b>Batch 217908</b> SampID: LCS-2179		LCS		Units µg/L							Date
		<b>LCS</b> Cert	RL	Units µg/L Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: LCS-2179					Result	Spike 500.0	SPK Ref Val	%REC 95.6	Low Limit	High Limit	
SampID: LCS-2179 Analyses			RL							J	Analyzed
SampID: LCS-2179 Analyses Antimony			RL 1.0		478	500.0	0	95.6	80	120	Analyzed 02/01/2024
SampID: LCS-2179  Analyses  Antimony  Arsenic			RL 1.0 1.0		478 521	500.0 500.0	0	95.6 104.2	80 80	120 120	Analyzed 02/01/2024 02/01/2024
SampID: LCS-2179  Analyses  Antimony  Arsenic  Barium			RL 1.0 1.0 1.0		478 521 1890	500.0 500.0 2000	0 0 0	95.6 104.2 94.4	80 80 80	120 120 120	Analyzed 02/01/2024 02/01/2024 02/01/2024
SampID: LCS-2179  Analyses  Antimony  Arsenic  Barium  Beryllium			RL 1.0 1.0 1.0 1.0		478 521 1890 50.7	500.0 500.0 2000 50.00	0 0 0	95.6 104.2 94.4 101.4	80 80 80 80	120 120 120 120	Analyzed 02/01/2024 02/01/2024 02/01/2024 02/01/2024
SampID: LCS-2179  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron			RL 1.0 1.0 1.0 1.0 25.0		478 521 1890 50.7 477	500.0 500.0 2000 50.00 500.0	0 0 0 0	95.6 104.2 94.4 101.4 95.4	80 80 80 80	120 120 120 120 120	Analyzed  02/01/2024  02/01/2024  02/01/2024  02/01/2024  02/01/2024
SampID: LCS-2179 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium			RL 1.0 1.0 1.0 1.0 25.0	Qual	478 521 1890 50.7 477 46.2	500.0 500.0 2000 50.00 500.0 50.00	0 0 0 0 0	95.6 104.2 94.4 101.4 95.4 92.5	80 80 80 80 80	120 120 120 120 120 120	Analyzed  02/01/2024  02/01/2024  02/01/2024  02/01/2024  02/01/2024  02/01/2024
SampID: LCS-2179  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron  Cadmium  Chromium			RL 1.0 1.0 1.0 1.0 25.0 1.0	Qual	478 521 1890 50.7 477 46.2 186	500.0 500.0 2000 50.00 500.0 500.0 200.0	0 0 0 0 0 0	95.6 104.2 94.4 101.4 95.4 92.5 92.9	80 80 80 80 80 80	120 120 120 120 120 120 120	Analyzed  02/01/2024  02/01/2024  02/01/2024  02/01/2024  02/01/2024  02/01/2024  02/01/2024
SampID: LCS-2178  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron  Cadmium  Chromium  Cobalt			RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5	Qual	478 521 1890 50.7 477 46.2 186 502	500.0 500.0 2000 50.00 500.0 50.00 200.0 500.0	0 0 0 0 0 0	95.6 104.2 94.4 101.4 95.4 92.5 92.9 100.5	80 80 80 80 80 80 80	120 120 120 120 120 120 120 120	Analyzed  02/01/2024  02/01/2024  02/01/2024  02/01/2024  02/01/2024  02/01/2024  02/05/2024  02/01/2024
SampID: LCS-2178  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron  Cadmium  Chromium  Cobalt  Lead		Cert	RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0	Qual	478 521 1890 50.7 477 46.2 186 502	500.0 500.0 2000 50.00 500.0 500.0 200.0 500.0	0 0 0 0 0 0 0	95.6 104.2 94.4 101.4 95.4 92.5 92.9 100.5	80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120	Analyzed  02/01/2024  02/01/2024  02/01/2024  02/01/2024  02/01/2024  02/01/2024  02/05/2024  02/01/2024  02/01/2024
SampID: LCS-2178  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron  Cadmium  Chromium  Cobalt  Lead  Lithium		Cert	RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0	Qual	478 521 1890 50.7 477 46.2 186 502 462	500.0 500.0 2000 50.00 500.0 500.0 500.0 500.0	0 0 0 0 0 0 0	95.6 104.2 94.4 101.4 95.4 92.5 92.9 100.5 92.4 98.7	80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	Analyzed  02/01/2024  02/01/2024  02/01/2024  02/01/2024  02/01/2024  02/05/2024  02/01/2024  02/01/2024  02/01/2024  02/01/2024



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Satch 217908 SampType	: MS		Units µg/L							
SampID: 24010247-107CMS Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Antimony	CCIT	1.0	Quai	494	500.0	0	98.9	75	125	02/01/202
Arsenic		1.0		510	500.0	0	102.1	75	125	02/01/202
Barium		1.0		1900	2000	0	95.2	75	125	02/01/202
Beryllium		1.0		48.6	50.00	0	97.1	75	125	02/01/202
Boron		25.0		445	500.0	0	88.9	75	125	02/01/202
Cadmium		1.0		46.9	50.00	0	93.9	75	125	02/01/202
Chromium		1.5	В	227	200.0	0.8026	113.1	75	125	02/05/202
Cobalt		1.0		483	500.0	0	96.7	75	125	02/01/202
Lead		1.0		460	500.0	0	92.1	75	125	02/01/202
Lithium	*	3.0		467	500.0	0	93.3	75	125	02/01/202
Molybdenum		1.5		445	500.0	0	89.0	75	125	02/06/202
Selenium		1.0		483	500.0	0	96.7	75	125	02/01/20
Thallium		2.0		233	250.0	0	93.1	75	125	02/01/20
<b>atch 217908 SampType</b> ampID: 24010247-107CMSD	: MSD		Units µg/L					RPD Lir	nit <b>20</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Antimony		1.0		482	500.0	0	96.4	494.4	2.50	02/01/20
Arsenic		1.0		510	500.0	0	102.1	510.4	0.02	02/01/20
Barium		1.0		1920	2000	0	95.8	1904	0.62	02/01/20
Beryllium		1.0		48.5	50.00	0	97.0	48.55	0.16	02/01/20
				450		0	90.0	4440	1.23	02/01/20
Boron		25.0		400	500.0	0	90.0	444.6	1.23	
		25.0 1.0		450 47.3	500.0 50.00	0	94.5	444.6 46.94	0.68	02/01/20
Cadmium			В							
Cadmium Chromium		1.0	В	47.3	50.00	0	94.5	46.94	0.68	02/01/20
Cadmium Chromium Cobalt		1.0 1.5	В	47.3 229	50.00 200.0	0 0.8026	94.5 114.1	46.94 226.9	0.68 0.92	02/01/202
Cadmium Chromium Cobalt Lead	*	1.0 1.5 1.0	В	47.3 229 475	50.00 200.0 500.0	0 0.8026 0	94.5 114.1 95.0	46.94 226.9 483.5	0.68 0.92 1.75	02/01/20 02/05/20 02/01/20 02/01/20
Cadmium Chromium Cobalt Lead Lithium	*	1.0 1.5 1.0 1.0	В	47.3 229 475 471	50.00 200.0 500.0 500.0	0 0.8026 0 0	94.5 114.1 95.0 94.1	46.94 226.9 483.5 460.5	0.68 0.92 1.75 2.21	02/01/20 02/05/20 02/01/20 02/01/20
Cadmium Chromium Cobalt _ead _ithium Molybdenum	*	1.0 1.5 1.0 1.0 3.0	В	47.3 229 475 471 469	50.00 200.0 500.0 500.0 500.0	0 0.8026 0 0	94.5 114.1 95.0 94.1 93.9	46.94 226.9 483.5 460.5 466.6	0.68 0.92 1.75 2.21 0.62	02/01/20 02/05/20 02/01/20 02/01/20 02/01/20 02/06/20
Cadmium Chromium Cobalt Lead Lithium Molybdenum Selenium	*	1.0 1.5 1.0 1.0 3.0 1.5	В	47.3 229 475 471 469 456	50.00 200.0 500.0 500.0 500.0 500.0	0 0.8026 0 0 0	94.5 114.1 95.0 94.1 93.9 91.3	46.94 226.9 483.5 460.5 466.6 445.2	0.68 0.92 1.75 2.21 0.62 2.47	02/01/20 02/05/20 02/01/20 02/01/20 02/01/20 02/06/20 02/01/20
Cadmium Chromium Cobalt Lead Lithium Molybdenum Selenium Thallium	· ·: MBLK	1.0 1.5 1.0 1.0 3.0 1.5 1.0	B Units µg/L	47.3 229 475 471 469 456 480	50.00 200.0 500.0 500.0 500.0 500.0	0 0.8026 0 0 0 0	94.5 114.1 95.0 94.1 93.9 91.3 96.0	46.94 226.9 483.5 460.5 466.6 445.2 483.3	0.68 0.92 1.75 2.21 0.62 2.47 0.73	02/01/20 02/05/20 02/01/20 02/01/20 02/01/20 02/06/20 02/01/20
Boron Cadmium Chromium Cobalt Lead Lithium Molybdenum Selenium Thallium  Batch 218352 SampType SampID: MBLK-218352	t: MBLK	1.0 1.5 1.0 1.0 3.0 1.5 1.0		47.3 229 475 471 469 456 480	50.00 200.0 500.0 500.0 500.0 500.0	0 0.8026 0 0 0 0	94.5 114.1 95.0 94.1 93.9 91.3 96.0	46.94 226.9 483.5 460.5 466.6 445.2 483.3	0.68 0.92 1.75 2.21 0.62 2.47 0.73	02/01/202 02/05/202 02/01/202



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Batch 218352 SampType:	LCS		Units µg/L							
SampID: LCS-218352										Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.77	5.000	0	95.4	75	125	01/19/202
Batch 217574 SampType:	MSD		Units µg/L					RPD Lir	nit <b>15</b>	
SampID: 24010247-055CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.20		4.69	5.000	0	93.7	4.769	1.78	01/19/202
Batch 217610 SampType:	MS		Units µg/L							
SampID: 24010247-060DMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.34	5.000	0	106.8	75	125	01/23/202
Batch 217610 SampType:	MSD		Units µg/L					RPD Lir	nit <b>15</b>	
SampID: 24010247-060DMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.20		5.22	5.000	0	104.4	5.342	2.28	01/23/202
Batch 217610 SampType:	MS		Units µg/L							
SampID: 24011359-004CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.99	5.000	0	99.9	75	125	01/23/202
Batch 217610 SampType:	MSD		Units µg/L					RPD Lir	nit <b>15</b>	
SampID: 24011359-004CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.20		5.20	5.000	0	104.0	4.994	4.05	01/23/202
•										



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SW-846 7470A (DISSOLVED)										
Batch 217823 SampType: SampID: MBLK-217823	MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	01/26/202
Batch 217823 SampType: SampID: LCS-217823	LCS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.41	5.000	0	88.2	85	115	01/26/2024
Batch         217823         SampType:           SampID:         24010247-043CMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.09	5.000	0	81.7	75	125	01/26/2024
Batch 217823 SampType:	MSD		Units µg/L					RPD Lir	nit <b>15</b>	
SampID: 24010247-043CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.20		4.08	5.000	0	81.6	4.087	0.23	01/26/202
Batch 217823 SampType:	MS		Units µg/L							
SampID: 24010247-101CMS Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	Cort	0.20	Çuui	5.06	5.000	0	101.1	75	125	01/26/202
Batch 217823 SampType:	MSD		Units µg/L					RPD Lir	nit <b>15</b>	
SampID: 24010247-101CMSD  Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Mercury		0.20	•	5.13	5.000	0	102.6	5.056	1.49	01/26/202
Batch 217883 SampType: SampID: MBLK-217883	MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	01/29/202
	LCS		Units µg/L							
<b>Batch 217883 SampType:</b> SampID: LCS-217883										Date
24001	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed



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SW-846 7470A (DISSOLVED)										
Batch 217883 SampType:	MS		Units µg/L							
SampID: 24010247-045CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.19	5.000	0	103.8	75	125	01/29/202
Batch 217883 SampType:	MSD		Units µg/L					RPD Lir	mit <b>15</b>	
SampID: 24010247-045CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.20		5.13	5.000	0	102.6	5.190	1.20	01/29/202
Batch 217927 SampType:	MBLK		Units µg/L							
SampID: MBLK-217927										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	01/29/202
Batch 217927 SampType:	LCS		Units µg/L							
SampID: LCS-217927										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.07	5.000	0	101.4	85	115	01/29/202
Batch 217927 SampType:	MS		Units µg/L							
SampID: 24011814-005CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.50	5.000	0	90.1	75	125	01/30/202
Batch 217927 SampType:	MSD		Units µg/L					RPD Lir	mit <b>15</b>	
SampID: 24011814-005CMSD	C	DI	0 .1	D 16	G., T.	SPK Ref Val	%REC	RPD Ref V	al %PDD	Date Analyzed
Analyses	Cert	RL 0.20	Qual	Result 4.46	Spike 5.000	0				•
Mercury		0.20		4.46	5.000	U	89.1	4.504	1.05	01/30/202
SW-846 7470A (TOTAL)										
<b>Batch</b> 217502 SampType: SampID: MBLK-217502	MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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SW-846 7470A (TOTAL)										
<b>Batch</b> 217502 SampType: SampID: LCS-217502	LCS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.28	5.000	0	85.7	85	115	01/18/2024
Batch         217502         SampType:           SampID:         24010247-094BMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20	S	6.49	5.000	3.366	62.5	75	125	01/18/2024
<b>Batch 217502 SampType</b> : SampID: 24010247-094BMSD	MSD		Units µg/L					RPD Lir	mit <b>15</b>	5.
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Mercury	CCIT	0.20	Quai	7.48	5.000	3.366	82.2	6.493	14.11	01/18/2024
Batch 217574 SampType: SampID: MBLK-217574			Units µg/L			ODK D-CV-	0/050	Landian	115 at 15 a 9	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	•
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	01/19/2024
<b>Batch</b> 217574 SampType: SampID: LCS-217574	LCS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	Analyzed
Mercury		0.20		4.55	5.000	0	90.9	85	115	01/19/2024
Batch 217610 SampType: SampID: MBLK-217610	MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	01/23/2024
Batch 217610 SampType: SampID: LCS-217610	LCS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.09	5.000	0	101.8	85	115	01/23/2024
Batch 217744 SampType: SampID: MBLK-217744	MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	01/24/2024



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Client: Ramboll Work Order: 24010247

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

SW-846 7470A (TOTAL)										
Batch 217744 SampType: SampID: LCS-217744	LCS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	mit <b>15</b>	
SampID: 24010247-013BMSD	Cont	DΙ	01	D14	C	SPK Ref Val	%PEC	RPD Ref V	al %PDD	Date Analyzed
Analyses Mercury	Cert	0.20	Qual	Result 4.93	Spike 5.000	0.1422	95.8	4.961	0.57	01/24/2024
<b>Batch</b> 217927 SampType: SampID: 24010247-107CMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.03	5.000	0	80.6	75	125	01/30/2024
								RPD Lir		
	MSD		Units µg/L					KPD LII	THE 15	Date
Batch 217927 SampType: SampID: 24010247-107CMSD Analyses	<b>MSD</b> Cert	RL	Units µg/L Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		Date Analyzed



#### APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

#### **Receiving Check List**

http://www.teklabinc.com/

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

Received By: MEK Carrier: Tracy Carroll Completed by: Reviewed by: mma Dillacco On: On: 17-Jan-24 26-Jan-24 Amber Dilallo Ellie Hopkins 0 Pages to follow: Chain of custody 25 Extra pages included **V** No Not Present Shipping container/cooler in good condition? Yes Temp °C 5.1 Type of thermal preservation? Ice 🗹 Blue Ice None Dry Ice Chain of custody present? **~** Nο Yes Chain of custody signed when relinquished and received? Yes Nο **V** Chain of custody agrees with sample labels? Yes No **V** Samples in proper container/bottle? Yes No **~** Sample containers intact? Yes No **V** No Sufficient sample volume for indicated test? Yes **~** All samples received within holding time? Yes No 🗀 NA  $\square$ Field 🗸 Lab Reported field parameters measured: Yes 🗸 Container/Temp Blank temperature in compliance? No L 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 🗸 No 🗌 Water - TOX containers have zero headspace? Yes 📙 No TOX containers ✓ No 🗸 Water - pH acceptable upon receipt? Yes 🗀 NA 🗹 NPDES/CWA TCN interferences checked/treated in the field? Yes No 🗀 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



# **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

CHAIN-OF-CUSTODY / Analytical Request pocument

The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be complete accurate. Section A Section 8 Section C Required Client Information: Required Project Information: Page: of 7 Invoice Information: Company Report To: Brian Voelker Vistra Corp-Newton Attention: Terry Hanratty Address: 6725 N 500th St Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A DRINING WATER NPDES GROUND WATER Purchase Order No : Brian.Voelker@VistraCorp.com Quote UST RCRA OTHER Reference Phone: (217) 753-8911 Project Name: Project Site Location Manager: ĬL. Project Number: 2285 Profile #: Requested Due Date/TAT: 10 day STATE: Reduested Analysis Filtered (Y/N) Section D C=COMP) COLLECTED Required Client Information MATRIX Preservatives WATER (G=GRAB Residual Chlorine (Y/N) WASTE WATER SAMPLE ID (see VEW-NPDES-501 # OF CONTAINERS PRODUCT SOLISOLID NEW-257-502 NEW-811-503 NEW-845-501 MATRIX CODE (A-Z, 0-91,-) SAMPLE TYPE Sample IDs MUST 8F AR UNIQUE H2SO4 HNO3 HCI NaOH Na2S2O3 AΙR DATE Project No./ Lab I.D THAF Χ A207 1 0 24010247-001 2 A213 5 24010247-002 3 A214 010247-003 4 A215 2 010247-004 APW02 Х Х 5 4010247-005 APW03 2 Х Х 6 4 4010247-006 X. APW04 2 Х 7 4 2 010247-007 122 APW05 Х 2 010247-008 APW05S 2 Х 010247-009 9 10 APW06 Х 2 010247-010 11 APW07 2 Х 010247-011 Х 12 APW08 2 010247-012 APW09 2 Х 4010247-013 13 1 X X 14 APW10 2 4010247-014 1116124 APW11 2 Х 010247-015 15 037 111,124 Х 1 16 APW12 2 010247-016 ACCEPTED EN AFFILIATION SAMPLE CONDITIONS RELINQUISHED BY / AFFILIATION ADDITIONAL COMMENTS DATE TIME DATE TIME 147-24 **NEW-24Q1 Rev 0** Mais 117/24 1245 N Added HNO3 (94914) to APW12. G202, & XPWOI pore. LM 1/17 SAMPLER NAME AND SIGNATURE Custody Sealed Cooler (Y/N) Samples Intact (Y/N) Received or tce (Y/N) Tempin ° PRINT Name of SAMPLER a (Correll SIGNATURE of SAMPLER: (MM/DD) PHV: 90719

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The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be completed accurate Section A Section B Section C 2 αf 7 Page: Required Client Information: Required Project Information: Invoice Information: Report To: Brian Voelker Vistra Corp-Newton Attention: Terry Hanratty Address: 6725 N 500th St Copy To: Terry Hanratty - Terry, Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A NEDES **GROUND WATER** NG WATER Email To: Brian.Voelker@VistraCorp.com Purchase Order No.: Quote UST RCRA OTHER Reference Phone: (217) 753-8911 Project Name: Project Site Location Manager: IL Project Number: 2285 Profile #: Requested Due Date/TAT: 10 day STATE: Reduested Analysis Filtered (Y/N) Section D C=COMP) COLLECTED Preservatives Required Client Information MATRIX 2 DRINKING WATER DW WT Residual Chlorine (Y/N) (G=GRAB WASTE WATER SAMPLE ID (see NEW-NPDES-501 # OF CONTAINERS PRODUCT SOL/SOLID VEW-257-502 EW-811-503 VEW-845-501 MATRIX CODE (A-Z, 0-9/,-) SAMPLE TYPE Sample IDs MUST BE OIL Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> Methanol UNIQUE WIPE AIR DATE Project No./ Lab I.D. TIME APW13 13.34 Х 4010247-017 1 117124 2 APW14 117 24 Х 1427 2 4010247-018 2 Х APW15 2 4010247-019 3 APW16 1206 Х 4010247-020 2 4 1/17/24 X APW17 4010247-021 5 1025 2 1 17 24 Х 4010247-022 APW18 2 6 G006D 2 Х 4010247-023 7 Х 4010247-024 G048MG 2 8 G104 5 1 1 1 Х 4010247-025 9 Х 4010247-026 G104S a 10 4010247-027 G104D 11 G 4010247-028 12 G105 5 #010247-029 G106 13 5 Х 4010247-030 G109 14 ٥ Х 4010247-031 G111 0 15 4010247-032 16 G112 ٥ ACCEPTED BY AFFILIATION SAMPLECONDITIONS ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME DATE 1.18.24 915 **NEW-24Q1 Rev 0** 915 14/24 1147 Yes Custody Sealed Cooler (Y/N) SAMPLER NAME AND SIGNATURE ပ္ PRINT Name of SAMPLER:  $ICC_{1}$ DATE Sign SIGNATURE of SAMPLER: 17 24 (MM/DD LTG#7 Added HNO3(94194) 90719/89680 to semble April, 6203, 6221, 6222

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately Section A Section B Section C 7 Page: of Required Client Information: Required Project Information: Invoice Information: 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 REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A NPDES GROUND WATER NG WATER Email To: Purchase Order No.: Brian.Voelker@VistraCorp.com Quote UST RCRA OTHER Reference Phone: (217) 753-8911 Project Name: Site Location Manager. 11 Project Number: 2285 Profile #: Requested Due Date/TAT: 10 day STATE: Requested Analysis Filtered (Y/N) Section D (see vaild codes to left) C=COMP) lequired Client Information MATRIX COLLECTED Preservatives DRINKING WATER DW WATER (G=GRAB WASTE WATER SAMPLE ID # OF CONTAINERS Residual Chlorine PRODUCT SOLUSOLID VEW-257-502 VEW-811-503 **VEW-845-501** VEW-NPDES-MATRIX CODE (A-Z, 0-9/,-) SAMPLE TYPE Sample IDs MUST BE OH. UNIQUE WIPE DATE Project No./ Lab I.D. TIME G202 2 1 Х 4010247-049 2 G203 1/17/24 1124 2 Х **2**4010247-050 G208 2 Х 3 24010247-051 G217S 2 5 4010247-052 4 G218 5 ٥ 4010247-053 G220 Х 2 \$ 4010247-054 1304 G221 2 7 1117174 5 4010247-055 G222 13.33 2 8 Х 4010247-056 9 G223 2 1 Х 4010247-057 G224 2 Х 4010247-058 10 G225 5 2 11 4010247-059 G230 2 12 6 4010247-060 G231 6 2 Х 4010247-061 13 G232 Х 6 2 4010247-062 14 G233 2 Х 6 2 4010247-063 15 G234 5 16 4010247-064 ADDITIONAL COMMENTS /AFFILIATION RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED I DATE TIME SAMPLE CONDITIONS **NEW-24Q1 Rev 0** 118124 915 915 1.18.24 118/24 1140 1.18.24 1140 SAMPLER NAME AND SIGNATURE Custody Sealed Cooler (Y/N) Temp in °C Samples Intact (Y/N) PRINT Name of SAMPLER: racu DATE Sigi SIGNATURE of SAMPLER: (MM/DEMYY):

CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be complete accurately Section A Section B Section C 7 1 of Required Client Information: Required Project Information: Page: Invoice Information Report To: Brian Voelker Company Vistra Corp-Newton Attention: Terry Hanratty Address: 6725 N 500th St Copy To: Terry Hanralty - Terry.Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A NPDES DRINKING WATER GROUND WATER Email To: Purchase Order No.: Quote Brian. Voelker@VistraCorp.com UST RCRA OTHER Reference Phone: (217) 753-8911 Project Name: Project Site Location Manager IL Project Number: 2285 Profile #. Requested Due Date//AT: 10 day STATE: Reduested Analysis Filtered (Y/N) Section D vaid codes to left) C=COMP) COLLECTED Preservatives Required Client Information MATRIX DRINKING WATER SAMPLE TEMP AT COLLECTION (G=GRAB WASTE WATER SAMPLE ID 905) VEW-NPDES-501 Residual Chlorine PRODUCT SOLISOUD VEW-257-502 NEW-811-503 VEW-845-501 MATRIX CODE (A-Z, 0-91,-) SAMPLE TYPE Sample IDs MUST RF OfL UNIQUE 167 Project No./ Lab I.D. DATE TIME 4010247-001 Х A207 Ð 1 4010247-002 5 2 A213 2 1 4010247-003 3 A214 4010247-004 4 A215 5 Usloil Х Х APW02 1335 4 2 4010247-005 5 Х Х APW03 4 2 4010247-006 s X Х 4010247-007 APW04 2 7 4 Х 010247-008 APW05 8 Х 2 010247-009 APW05S 9 Х 010247-010 10 APW06 2 Х 1010247-011 APW07 2 11 Х 010247-012 APW08 1/18/24 1171 2 12 Х 4010247-013 APW09 2 13 Х 010247-014 APW10 2 1 14 1 Х 4010247-015 APW11 2 15 Х 4010247-016 2 16 APW12 SAMPLESCONDITIONS ACCEPTED EN AFFILIA DATE ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME 1200 **NEW-24Q1 Rev 0** 117 1-19-14 SAMPLER NAME AND SIGNATURE Samples Intact (Y/N) Adold HNO3 (94914) TO APWIS, 5. G220, G233 & APWOL Dup. PHV 89040/90719 Gm 1/9/14 .⊆ PRINT Name of SAMPLER: DATE Sign -19.2V SIGNATURE of SAMPLER: (MM/DD Y):

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately Section A Section B Section C 4 of 7 Required Project Information: Page: Required Client Information: Invoice Information: ompany: 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 REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A NPDES **GROUND WATER** DRINKING WATER Email To: Brian.Voelker@VistraCorp.com Purchase Order No.: Quote UST RCRA OTHER Reference Phone: (217) 753-8911 Project Name: Project Site Location Manager: ΙL Profile #: Project Number: 2285 Requested Due Date/TAT: 10 day STATE: Requested Analysis Filtered (Y/N) Section D codes to left) C=COMP) COLLECTED Preservatives Required Client Information MATRIX DW ORINKING WATER COLLECTION WATER (see valid o (G=GRAB Residual Chlorine (Y/N) WASTE WATER SAMPLE ID VEW-NPDES-501 # OF CONTAINERS PROQUET SL SOL/SOLID O. VEW-257-502 **JEW-811-503** VEW-845-501 MATRIX CODE Unpreserved H<sub>2</sub>SO<sub>4</sub> HNO<sub>3</sub> HCI NaOH (A-Z, 0-9 / ,-) WP SAMPLE TYPE Sample IDs MUST BE OIL AR UNIQUE WIPS AIR DATE Profect No./ Lab I.D. G202 Х 4010247-049 2 1 Χ G203 2 24010247-050 2 Х G208 2 4010247-051 3 G217S 5 4010247-052 4 G218 4010247-053 ŝ 0 G220 х 1/13/24 1419 4010247-054 8 G221 5 4010247-055 7 G222 Χ 2 1 4010247-056 8 Х G223 2 1 4010247-057 9 G224 2 Х 4010247-058 10 G225 5 4010247-059 11 G230 1101 Х 4010247-060 ا 1181 ما 2 12 Х G231 2 2 4010247-061 6 13 1176 Х 2 2 G232 4010247-062 14 1/18/24 1154 6 Х G233 1232 6 2 4010247-063 15 15/ 74 4010247-064 16 G234 145/24 1301 2 SAMPLE CONDITIONS ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED / AFFILIA DATE TIME **NEW-24Q1 Rev 0** 1-19-16 SAMPLER NAME AND SIGNATURE Custody Sealed Cooler (Y/N) Samples Intact (Y/N) Temp in PRINT Name of SAMPLER: DATE Sign SIGNATURE of SAMPLER: 1-19-24 (MM/DE

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accuratel Section A Section B Section C 7 7 Required Client Information: Page: Required Project Information: Invoice Information: 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 REGULATORY AGENCY Address: Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com see Section A NPDES **GROUND WATER** ING WATER Email To: Purchase Order No.: Quote Brian.Voelker@VistraCorp.com UST RCRA OTHER Reference: Project Name: Project Phone: (217) 753-8911 Site Location Manager: IL Project Number: 2285 rofile # Requested Due Date/TAT: STATE: 10 day Reduested Analysis Filtered (Y/N) Section D Required Client Information MATRIX COLLECTED Preservatives ĐW DRAWING WATER WATER Residual Chlorine (Y/N) (G≖GRA8 WASTE WATER SAMPLE ID (sea NEW-NPDES-501 # OF CONTAINERS PRODUCT SOLUSOUD VEW-257-502 **VEW-811-503** MATRIX CODE VEW-845-501 (A-Z, 0-97,-) SAMPLE TYPE Sample IDs MUST BE UNIQUE AIR Project No./ Lab I.D. DATE Х 4010247-097 XPW04-pore Х XSG01 4010247-098 2 0 Х YSG02 4010247-099 a 3 X Х Х Х Field Blank 6 4010247-100 4 4010247-101 5 A213 Duplicate 1/18/24 1335 Х 8 APW02 Duplicate 4 2 Х 4010247-102 7 G006D Duplicate 2 4010247-103 Х G104 Duplicate 4010247-104 8 3 10 11 12 13 14 15 18 ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY AFFILIATION SAMPLE CONDITIONS Butter -19-14 NEW-24Q1 Rev 0 SAMPLER NAME AND SIGNATURE Received on Ice (Y/N) Custody Sealed Cooter (Y/N) Temp in °C Samples Intact (Y/N) PRINT Name of SAMPLER: SIGNATURE of SAMPLERS 19-24 (MM/DDDY):

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

# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section 8 Section C Section A 7 Page: Required Project Information: Required Client Information: Invoice Information: Attention: Terry Hanratty Report To: Brian Voelker Company Vistra Corp-Newton Copy To: Terry Hanratty - Terry, Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Address: 6725 N 500th St Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A **GROUND WATER** DRINKING WATER NPDES Dinte Email To: Brian.Voelker@VistraCorp.com Purchase Order No.: UST RCRA OTHER Reference: Project Project Name: Site Location Phone: (217) 753-8911 Manager 1L Project Number: 2285 rofile # STATE: 10 day Requested Due Date/TAT: Requested Analysis Filtered (Y/N) Z Section D (G=GRAB C=COMP) COLLECTED Preservatives MATRIX equired Client Information SAMPLE TEMP AT COLLECTION DRINKING WATER OW W7 WATER WASTE WATER (see ) 501 SAMPLE ID CONTAINERS PRODUCT EW-811-503 IEW-257-501 NEW-257-502 NEW-811-502 IEW-845-501 JEW-NPDES-SOLUSOUD CODE (A-Z, 0-9 / ,-) SAMPLE TYPE Analysis Sample IDs MUST BE UNIQUE MATRIX # 0F Project No./ Lab I.D. DATE TIME 24010247-049 G202 2 •{ Х 24010247-050 G203 2 Х 2 Х 24010247-051 G208 3 х 24010247-052 G217S 5 4 Х 24010247-053 G218 0 5 Х 2 24010247-054 G220 ŝ Х 5 24010247-055 G221 7 Х Х 24010247-056 G222 8 Х Х 24010247-057 2 G223 9 Х Х 2 24010247-058 G224 10 Х 24010247-059 G225 11 Х 24010247-060 Х G230 6 12 Х Х G231 24010247-061 13 Х X 24010247-062 G232 14 Х Х 24010247-063 G233 6 15 Х G234 5 2 1 24010247-064 16 SAMPLE CONDITIONS ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME Cala 1/23/24 1700 5.1 **NEW-24Q1 Rev 0** SAMPLER NAME AND SIGNATURE Received on Ice (Y/N) Samples Intact (Y/N) PRINT Name of SAMPLER: バカ۷ DATE Signed SIGNATURE of SAMPLER: (MM/DD/YY):

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Section C 7 of 7 Page: Required Client Information: Required Project Information: Invoice Information: Сопуралу Vistra Corp-Newton Attention: Report To: Brian Voelker Terry Hanratty Company Name: Vistra Corp Address: 6725 N 500th St Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A NPDES **GROUND WATER** DRINKING WATER Email To: Brian.Voelker@VistraCorp.com Purchase Order No.: Ounte UST **RCRA** OTHER Reference Phone: (217) 753-8911 Project Name: Project Site Location Manager Project Number: 2285 rofile #: Requested Due Date/TAT: 10 day STATE: Requested Analysis Filtered (Y/N) **\$** N !/ Section D (G=GRAB C=COMP) MATRIX COLLECTED Preservatives Paguired Cleant Information DW ORINKING WATER SAMPLE TEMP AT COLLECTION WATER WASTE WATER SAMPLE ID VEW-NPDES-501 CONTAINERS PRODUCT VEW-257-502 **VEW-811-502 VEW-811-503** SCIL/SOLID NEW-257-501 VEW-845-501 (A-Z, 0-9 / ,-) SAMPLE TYPE Analysis Sample IDs MUST BE UNIQUE MATRIX TEM #0F( DATE Project No./ Lab I.D. XPW04-pore 24010247-097 2 Х Х XSG01 2 0 24010247-098 Х YSG02 Х 3 0 24010247-099 Х Х 4 Field Blank 2 Х Х Х 24010247-100 6 A213 Duplicate 5 2 1 Х 24010247-101 5 APW02 Duplicate 2 Х  $x \mid x$ 24010247-102 G006D Duplicate 24010247-103 7 2 G104 Duplicate Х 5 24010247-104 8 1-23-24 #1 Ea Bland 152 يرىت 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** ھ 700 3.1 SAMPLER NAME AND SIGNATURE Received on Ice (Y/IN) Temp in PRINT Name of SAMPLER: DATE Signed SIGNATURE of SAMPLER: (MM/DD/YY):

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The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be completed accurately Section A Section B Section C 4 7 Page: Required Client Information: Required Project Information: Invoice Information: Report To: Brian Voelker Attention: Vistra Corp-Newton Terry Hanratty Address: 6725 N 500th St Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Address: Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com see Section A DRINKING WATER **NPDES GROUND WATER** Email To: Purchase Order No.: Brian.Vcelker@VistraCorp.com Ounte UST RCRA OTHER Reference Phone: (217) 753-8911 Project Name: Project Site Location Manager. 1L Project Number: 2285 rofile #: Requested Due Date/TAT: 10 day STATE: Reduested Analysis Filtered (Y/N) Section D C=COMP) COLLECTED MATRIX Preservatives Required Client Information DRINKING WATER DW SAMPLE TEMP AT COLLECTION WATER Residual Chlorine (Y/N) (G=GRAB WASTE WATER (see) SAMPLE ID 501 # OF CONTAINERS PRODUCT **JEW-811-503** NEW-257-502 NEW-845-501 VEW-NPDES-SOLISOLID MATRIX CODE (A-Z, 0-97,-) SAMPLE TYPE CIL Sample IDs MUST 8E UNIQUE WIPE Project No./ Lab J.D. DATE TIME X 4010247-049 G202 2 4010247-050 G203 2 Х 2 G208 Х 4010247-051 2 3 1245 4010247-052 G217S 5 4 G218 0 4010247-053 5 G220 2 Х 4010247-054 6 1 1 G221 5 2 4010247-055 7 4010247-056 G222 2 Х 8 2 Χ 4010247-057 9 G223 4010247-058 G224 2 10 G225 5 2 4010247-059 11 G230 2 Х 4010247-060 12 2 Х 4010247-061 2 G231 13 2 Х 4010247-062 G232 14 2 4010247-063 2 1 Х G233 15 2 4010247-064 G234 16 SAMPLE CONDITIONS RELINQUISHED BY / AFFILIATION DATE TIME DATE TIME ACCEPTED AFFE AT ADDITIONAL COMMENTS 705 1-24 1124101 **NEW-24Q1 Rev 0** صاحا Custody Sealed Cooler (Y/N) SAMPLER NAME AND SIGNATURE Samples Intact (Y/N) 600 PRINT Name of SAMPLER: DATE Sign SIGNATURE of SAMPLER: (MM/DDDYY):

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately Section A Section B Section C Page: 3 of 7 Required Project Information: Required Client Information: Invoice Information: Company: Vistra Coro-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 REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A NPDES **GROUND WATER** NG WATER Email To: Brian.Voelker@VistraCorp.com Purchase Order No.: Quote UST RCRA OTHER Reference Phone: (217) 753-8911 Project Name: Project Site Location Manager: ΙL Project Number: 2285 Profile #: Requested Due Oate/TAT: 10 day STATE: Requested Analysis Filtered (Y/N) Section D (see valid codes to left) C=COMP) COLLECTED Preservatives Required Client Information MATRIX DRINKING WATER DW SAMPLE TEMP AT COLLECTION WATER (G=GRAB Residual Chlorine (Y/N) WASTE WATER SAMPLE ID # OF CONTAINERS PRODUCT SOLISOLIO NEW-257-502 VEW-811-503 **VEW-845-501** VEW-NPDES-MATRIX CODE (A-Z, 0-9/,-) 1//0 SAMPLE TYPE OIL Sample IDs MUST 8E UNIQUE Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> Methanol WIPE AIR Project No./ Lab I.D. DATE TIME G113 O Х 4010247-033 2 G114 ٥ Х 4010247-034 G115 Х 4010247-035 3 0 1-25-24 1049 G116 5 4010247-036 4 G117 4010247-037 5 ٥ Х 4010247-038 G118 ٥ 6 Х 7 G119 0 4010247-039 G120 Х 4010247-040 3 0 Х 9 G125 5 1 4010247-041 0903 -7 C-2M G128 5 2 Х 4010247-042 10 G130 2 Х 4010247-043 5 11 Х G133 5 2 4010247-044 12 -2524 1146 4010247-045 G136 13 5 2 Х 4010247-046 G139 14 Х 4010247-047 G141 5 2 1 15 1-25-24 16 G201 1159 4010247-048 SAMPLE CONDITIONS ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED AFFILIATION DATE TIME 1-25-24 1815 NEW-24Q1 Rev 0 112**B**.n.H SAMPLER NAME AND SIGNATURE Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N) Temp in PRINT Name of SAMPLER: SIGNATURE of SAMPLER: (MM/DD

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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) 837-3607

TNI TNI PORATORY

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

Director of Customer Service

(618)344-1004 ex 33

ehurley@teklabinc.com

Elizabeth a Hurley



## **Report Contents**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24010248 Client Project: NEW-24Q1 Report Date: 27-Feb-24

## This reporting package includes the following:

Cover Letter	1
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Laboratory Results	7
Sample Summary	30
Receiving Check List	31
Chain of Custody	Appended



### **Definitions**

http://www.teklabinc.com/

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**

http://www.teklabinc.com/

Work Order: 24010248 Client: Ramboll Client Project: NEW-24Q1 Report Date: 27-Feb-24

## Qualifiers

- # Unknown hydrocarbon
- RL shown is a Client Requested Quantitation Limit
- Holding times exceeded H -
- Analyte detected below quantitation limits
- Not Detected at the Reporting Limit
- Spike Recovery outside recovery limits
- X Value exceeds Maximum Contaminant Level

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)



## **Case Narrative**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24010248 Client Project: NEW-24Q1 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		Springfield		Kansas City
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com
	Collinsville Air		Chicago		
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.		
	Collinsville, IL 62234-7425		Downers Grove, IL 60515		
Phone	(618) 344-1004	Phone	(630) 324-6855		
Fax	(618) 344-1005	Fax			
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com		

## **Accreditations**

http://www.teklabinc.com/

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	

NEW-257-501 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 N	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		

NEW-257-501 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 N	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		



NEW-257-501 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 N	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		



NEW-257-501 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 N	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		



NEW-257-501 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 1	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch	
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0	Se	e Attached		1	02/08/2024 11:48 R343571	



NEW-257-501 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 1	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch	
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0	Se	e Attached		1	02/08/2024 11:48 R343571	



NEW-257-501 http://www.teklabinc.com/

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 N	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		



NEW-257-501 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 N	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		

NEW-257-501 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	<b>Certification</b>	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBCO	NTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	02/08/2024 11:46 R343571



NEW-257-501 http://www.teklabinc.com/

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 SUBC	ONTRACTING AI	NALYSIS						
Subcontracted Analysis	*	0	0	S	ee Attached		1	02/08/2024 11:47 R343571



NEW-257-501 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 1	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	See	<b>Attached</b>		1	02/08/2024 11:46 R343571



NEW-257-501 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 SUBC	ONTRACTING AN	IALYSIS						
Subcontracted Analysis	*	0	0	S	ee Attached		1	02/08/2024 11:47 R343571



NEW-257-501 http://www.teklabinc.com/

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 M	IDL R	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANAL	YSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	02/08/2024 11:47 R343571



NEW-257-501 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 N	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	



NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010248

Client Project: NEW-24Q1 Report Date: 27-Feb-24

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

Analyses	Certification N	<b>IDL</b>	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	



NEW-257-501 http://www.teklabinc.com/

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	<b>Certification</b>	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	02/08/2024 11:46 R343571



NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010248

Client Project: NEW-24Q1 Report Date: 27-Feb-24

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

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING AN	IALYSIS						
Subcontracted Analysis	*	0	0	Se	ee Attached		1	02/08/2024 11:46 R343571



NEW-257-501 http://www.teklabinc.com/

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 SUBC	ONTRACTING AN	IALYSIS						
Subcontracted Analysis	*	0	0	Se	ee Attached		1	02/08/2024 11:46 R343571



NEW-257-501 http://www.teklabinc.com/

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 SUBC	ONTRACTING AN	IALYSIS						
Subcontracted Analysis	*	0	0	Se	ee Attached		1	02/08/2024 11:46 R343571

NEW-257-501 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 SUBO	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	02/08/2024 11:46 R343571



NEW-257-501 http://www.teklabinc.com/

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	<b>Certification</b>	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	02/08/2024 11:46 R343571

NEW-257-501 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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	02/08/2024 11:47 R343571



NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24010248

Client Project: NEW-24Q1 Report Date: 27-Feb-24

Lab ID: 24010248-023Client Sample ID: Equipment Blank 3Matrix: AQUEOUSCollection Date: 01/26/2024 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING AN	IALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	02/12/2024 11:55 R343571



### **Sample Summary**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24010248
Client Project: NEW-24Q1 Report Date: 27-Feb-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	<b>Collection Date</b>
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



#### **Receiving Check List**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24010248 Client Project: NEW-24Q1 Report Date: 27-Feb-24

Carrier: Tracy Carroll Received By: MEK Completed by: Reviewed by: MOON DIRALLO On: On: 17-Jan-24 26-Jan-24 Amber Dilallo Ellie Hopkins 25 36 Pages to follow: Chain of custody Extra pages included Shipping container/cooler in good condition? Yes **V** No \_\_ Not Present Temp °C 5.1 Type of thermal preservation? Ice 🗹 Blue Ice  $\square$ Dry Ice None Chain of custody present? **~** No 🗌 Yes **~** Chain of custody signed when relinquished and received? Yes No L **~** Chain of custody agrees with sample labels? No 🗀 Yes **~** Samples in proper container/bottle? Yes No 🗀 **V** Sample containers intact? Yes No **~** No Sufficient sample volume for indicated test? Yes **~** No  $\square$ All samples received within holding time? Yes NA 🗸 Field Lab  $\square$ Reported field parameters measured: Yes 🗸 No  $\square$ Container/Temp Blank temperature in compliance? 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 ✓ No TOX containers Water - TOX containers have zero headspace? Yes No \_\_ Yes 🗌 No 🗸 Water - pH acceptable upon receipt? NA 🗸 NPDES/CWA TCN interferences checked/treated in the field? Yes No  $\square$ 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 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be complete accurately.

Section Require	n A d Client Information:	Section E Required		t Infor	mation:	•				on C e inform	nation:	c												Pa	ge:	1	of	7
Compan	y: Vistra Corp-Newton	Report To:	Bria	n Vo	elker				Attent			ггу Напта	atty	<del> </del>				Ī					1					***************************************
Address	6725 N 500th St	Сору То:	Tern	y Han	ratty - Terry.Hanra	tty@vistracc	rp.com		Comp	any Na	me;	Vistra C	Corp									RE	GULAT	TORY	' AG	ENCY		
	Newton, IL 62448		Sam	David	es - samantha.dav	ies@vistrac	orp.com	•••••	Addre	ss:	sec	e Section	ı A						Г	NPD	ES	GROU	ND WAT	TER		DRINKING	WATER	:
Email To	Brian Voelker@VistraCorp.com	Purchase 0	Order I	No.:					Quote Refere	uce,								ı		UST		RCRA			OT!	HER		
Phone:	(217) 753-8911 Fax:	Project Nar	ne:						Projec Manag		•									Site	Location				Т			
Requ	ested Due Date/ТАТ: 10 day	Project Nur	nber:	228	5				Profile									1			STATE:		IL					
		<u></u>														R	eque	tec	i Ana	alysi	s Filtered	(Y/N)	<del></del>	Т				
	Section D Required Client Information  DRANKING WATER	MATRIX DW	es to left)	C=COMP)	cor	LECTED		z			Pre:	servative	es	† NIA														
ITEM#	WATER  SAMPLE ID  WASTE WATER  PRODUCT  SOUSOUD  (A-Z, 0-9 /)  Sample IDS MUST BE  UNIQUE  WIPE  AIR  OTHER	WT  WW P  SL OL WP  AR OT TS	MATRIX CODE (see vakd codes	SAMPLE TYPE (G=GRAB C=C	DATE	ī	ME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved H-SO.	HNO3	HCI NaOH Na.S.O.	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/La	b I.D.
1	A207																	Х									N/A	
2	A213													Ц			Х										N/A	
3	A214							<u> </u>						Ц		<u> </u>	X	1							$\perp$		N/A	
4	A215		L_					<u> </u>	<u> </u>				$\perp \perp$				X		<u> </u>				'	Ш	4		N/A	
5	APW02							<u> </u>	2		2				X				Х	Х						240	0248-0	01
6	APW03		<u> </u>						2		2		44	Ц	X				X	X	<u> </u>					240	0248-0	02
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10	APW06		<u> </u>					-	2	$\vdash$	2	<del>!    </del>	+		М		ļ	<b>!</b>	X					$\blacksquare$	$\perp$		0248-0	~~~~~
11	APW07		<u> </u>	-				<u> </u>	2	┼-	2	<del>}  </del>			M	_	<u> </u>	₩—	X					<del>                                     </del>	4		0248-0	
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13	APW09		-					╀	2	-	2	<del>     </del>	-		X		╀—		X	-	<del>                                     </del>	<del>  -</del>	_	┼╌┤			0248-0	
14	APW10		-	-	1/16/24	in	7.4	╀	2	$\vdash$	2	<del>                                     </del>	+		Н	-	-	-	X	├			+	$\vdash \vdash$	$\dashv$		0248-0	
15 16	APW11 APW12				110 74		<u> 27</u>	1	2	$\vdash$	2	<del>                                     </del>	+	$\mathbb{H}$	X		-	<b>!</b>	X	┼	$\vdash$		+	┼┤	+		0248-0 0248-0	
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	226/228, only.	<u> </u>			U Isaus	LER NAME	NID CICS	ATUS	<u></u>				۲							<u> </u>				UC				
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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Section C 7 7 Page: Required Clent Information: Required Project Information: Invoice Information: Report To: Brian Voelker Vistra Corp-Newton Attention: Terry Hanratty Address: Copy To: Terry Hanralty • Terry, Hanratty@vistracorp.com Company Name: 6725 N 500th St Vistra Corp REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address see Section A **NPDES GROUND WATER** DRINKING WATER Brian.Voelker@VistraCorp.com Email To: Purchase Order No.: Countra UST RCRA OTHER Pafaranna Project Name: roject Phone: (217) 753-8911 Site Location IL Project Number: 2285 rofde #: STATE: Requested Due Date/YAT: 10 day Requisted Analysis Filtered (Y/N) Section D valid codes to left) C=COMP) COLLECTED Preservatives Required Client Information MATRIX DRINKING WATER (G=GRAB Residual Chlorine (Y/N) WASTE WATER SAMPLE ID ees) # OF CONTAINERS Analysis Test PRODUCT SOIL/SOUD VEW-257-502 VEW-811-503 **↓EW-845-501** EW-NPDES-MATRIX CODE (A-Z, 0-9/,-) SAMPLE TYPE Sample IDs MUST BE UNIQUE WIPE TEM Project No./ Lab I.D. DATE TIME XPW04-pore 160 24 N/A Х N/A 2 XSG01 Х N/A 3 YSG02 Х Х X Х Field Blank 2 24010248-019 A213 Duplicate N/A 5 Х Х 24010248-020 APW02 Duplicate 2 6 N/A G006D Duplicate G104 Duplicate N/A 9 10 11 12 13 14 15 16 ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION ACCEPTED BY AFFILIATIO SAMPLE CONDITIONS DATE TIME DATE MITH NEW-24Q1 Rev 0 117124 11245 Ra226/228, only. Custody Sealed Cooler (Y/N) SAMPLER NAME AND SIGNATURE Received on toe (Y/N) PRINT Name of SAMPLER: MM/DD/YY SIGNATURE of SAMPLER

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CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Section C 7 Required Client Information: Page: 4 Required Project Information: Invoice information: Company: Attention: Vistra Corp-Newton Report To: Brian Voelker Terry Hanratty Address: 6725 N 500th St Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Newton, IL 62448 Address: Sam Davies - samantha.davies@vistracorp.com see Section A **NPDES** GROUND WATER DRINKING WATER Email To: Purchase Order No.: Brian. Voelker@VistraCorp.com Juore UST **RCRA** OTHER Reference Phone: (217) 753-8911 Project Name: Site Location Managed IL Project Number: 2285 rofile #: Requested Due Date/TAT: 10 day STATE: Requested Analysis Filtered (Y/N) Section D C=COMP) COLLECTED Required Client Information MATRIX Preservatives ORNKING WATER SAMPLE TEMP AT COLLECTI WATER Residual Chlorine (Y/N) (G=GRAB WASTE WATER SAMPLE ID (see # OF CONTAINERS SOLUSOLID OL. NEW-257-502 VEW-811-503 JEW-NPDES-MATRIX CODE (A-Z, 0-9 / ,-) SAMPLE TYPE L Analysis Sample IDs MUST RF VEW-811-UNIQUE NaOH Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> AIR DATE TIME Project No./ Lab I.D. G202 N/A Х G203 117/24 1/24 2 N/A Х G208 N/A 3 G217S N/Α G218 5 N/A G220 6 N/A G221 1/17/24 304 N/A G222 1333 N/A G223 Х N/A Х G224 10 N/A G225 N/A 11 G230 12 Х N/A G231 13 N/A Х 14 G232 N/Α G233 Х N/A 15 G234 16 N/A ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY FFILIATIO DATE SAMPLE CONDITIONS TIME **NEW-24Q1 Rev 0** 915 18 24 915 1.18.24 Ra226/228, only. 1.18.24 SAMPLER NAME AND SIGNATURE Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N) traculard Temp in PRINT Name of SAMPLER:

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# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed Section A Section B Section C 4 7 Required Client Information: Required Project Information: Page: Invoice Information: Vistra Corp-Newton Report To: Brian Voelker Terry Hanratty Address: 6725 N 500th St Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Newton, IL 62448 Address: Sam Davies - samantha.davies@vistracorp.com see Section A NPDES GROUND WATER DRINKING WATER Email To: Brian.Voelker@VistraCorp.com Purchase Order No.: UST RCRA OTHER Reference Phone: (217) 753-8911 Project Name: Site Location IL. Project Number: 2285 Requested Due Date/TAT: 10 day STATE Requested Analysis Filtered (Y/N) Section D codes to left) (G=GRAB C=COMP) Required Client Information COLLECTED Preservatives MATRIX DRINKING WATER DW SAMPLE TEMP AT COLLECTION WATER WASTE WATER SAMPLE ID ees) CONTAINERS PROCUCT SOLUSOUD NEW-811-502 **JEW-811-503** VEW-845-501 NEW-NPDES MATRIX CODE (A-Z, 0-9/,-) SAMPLE TYPE Sample IDs MUST BE NEW-257. UNIQUE WIPE # OF ΑIR DATE Project No./ Lab I.D. G202 1 N/A G203 2 N/A G208 Х 3 N/A G217S 4 N/A G218 Х 5 N/A 1419 G220 6 Х N/A 7 G221 N/A G222 8 N/A G223 9 N/A G224 10 N/A G225 11 N/A G230 12 1101 Х N/A G231 13 1126 Х N/A G232 1154 Х Х 14 N/A G233 24 Х 15 N/A 16 G234 1301 N/A ADDITIONAL COMMENTS RELINQUISHED BY JAFFILIATION DATE ACCEPTED BY AFFILIATIO TIME DATE SAMPLE CONDITIONS **NEW-24Q1 Rev 0** 111974 119-24 130 Ra226/228, only. SAMPLER NAME AND SIGNATURE Seated Cooler (Y/N) Received on Ice (Y/N) Samples Intact (Y/N) Temp in ' PRINT Name of SAMPLER: TE Signe SIGNATURE of SAMPLERS (MM/DD/Y

Confidential

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Section C Page: 7 7 Required Client Information: Required Project Information: Invoice Information: Report To: Brian Voelker Vistra Corp-Newton Attention: Terry Hanratty Address: 6725 N 500th St Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha, davies@vistracorp.com see Section A NPDES **GROUND WATER** DRINKING WATER Email To: Purchase Order No.: Brian.Voelker@VistraCorp.com UST RCRA OTHER Reference Project Name: Phone: (217) 753-8911 roject Site Location Manager IL Project Number: 2285 rofile # Requested Due Date/TAT: 10 day Requisted Analysis Filtered (Y/N) Section D (see valid codes to left) (G=GRAB C=COMP) COLLECTED Required Client Information Preservatives ORINKING WATER SAMPLE TEMP AT COLLECTION WATER WASTE WATER SAMPLE ID # OF CONTAINERS PROQUET **JEW-811-503** SOLUSOUD ¥EW-845-501 SAMPLETYPE Sample IDs MUST BE UNIQUE MATRIX ( ŝ AIR Project No./ Lab I.D. DATE Х XPW04-pore N/A 1 Х 2 XSG01 N/A YSG02 Х N/A 3 Х хI Field Blank Х 24610248-019 4 2 Х N/A 5 A213 Duplicate 1/18/24 1335 APW02 Duplicate χl Х 24010248-020 7 G006D Duplicate Х N/A G104 Duplicate N/A 8 9 10 11 12 13 14 15 16 ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY AFFILIATIO DATE SAMPLE CONDITIONS NEW-24Q1 Rev 0 1-19-)1 1300 119/74 1300 Ra226/228, only. SAMPLER NAME AND SIGNATURE Custody Seated Cooler (Y/N) Received on Ice (Y/N) Temp in PRINT Name of SAMPLER: SIGNATURE of SAMPLERS (MM/DD/Y

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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND at Request Document 24010248501

#### CHAIN-OF-CUSTODY / Analytical Request Document

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

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section C Section B 7 4 Section A Page: Required Project Information: Invoice Information: Required Client Information Attention: Terry Hanratty Report To: Brian Voelker Company: Vistra Corp-Newton Company Name: Vistra Corp REGULATORY AGENCY Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com Address: 6725 N 500th St Address: DRINKING WATER Sam Davies - samantha.davies@vistracorp.com see Section A NPDES GROUND WATER Newton, IL 62448 Quote UST RCRA OTHER Email To: Brian.Voelker@VistraCorp.com Purchase Order No.: Reference Project Site Location Phone: (217) 753-8911 Manager. 11 Profile # Project Number: 2285 10 day Requested Due Date/TAT: Requested Analysis Filtered (Y/N) Section D z (see valid codes to left) C=COMP) Preservatives COLLECTED MATR:X lequired Client Information SAMPLE TEMP AT COLLECTION DRINKING WATER Residual Chlorine (Y/N) WATER (G=GRAB ( WASTE WATER VEW-NPDES-501 SAMPLE ID # OF CONTAINERS Analysis Test PRODUCT VEW-811-503 EW-811-502 4EW-257-501 VEW-257-502 VEW-845-501 SOLUSOUD MATRIX CODE (A-Z, 0-9 / ,-) SAMPLE TYPE Sample IDs MUST BE UNIQUE Project No./ Lab I.D. DATE TIME Х N/A G202 1 Х N/A G203 2 N/A Х Χ G208 3 Х N/A G217S á, N/A Х G218 5 хх N/A G220 8 Χ N/A G221 7 Х N/A Х G222 8 Х N/A 1-73-24 Х G223 9 1449 Х Χ N/A G224 10 X N/A 1303 G225 11 Х N/A G230 12 Х Χ N/A G231 13 Х Х N/A G232 14 Х Х NΑ G233 15 Х N/A G234 16 SAMPLE CONDITIONS ACCEPTED BY / AFFILIATION TIME ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE 123/24 3.1 1700 17:00 60 **NEW-24Q1 Rev 0** Ra226/228, only. Custody Sealed Cooler (Y/N) SAMPLER NAME AND SIGNATURE Samples Intact (Y/N) Received on Ice (Y/N) Temp in ° PRINT Name of SAMPLER: いらかく **DATE Signed** SIGNATURE of SAMPLER: (MM/DD/YY):

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section C Section 8 7 7 Section A Required Project Information: Invoice Information: Required Client Information: Attention: Terry Hanratty Report To: Brian Voelker Company: Vistra Corp-Newton Company Name: Vistra Corp REGULATORY AGENCY Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com Address: 6725 N 500th St Address: see Section A DRINKING WATER Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com NPDES **GROUND WATER** Quote OTHER RCRA Email To: Brian, Voelker@VistraCorp.com Purchase Order No.: UST Reference Project Name: roject Site Location Phone: (217) 753-8911 Manager: IL Project Number: 2285 rofile #: STATE: 10 day Requested Due Date/TAT: Requested Analysis Filtered (Y/N) N.X Section D C=COMP) Preservatives COLLECTED MATRIX quired Client Information SAMPLE TEMP AT COLLECTION DRINKING WATER DW WATER (G=GRAB WASTE WATER SAMPLE ID Analysis Test # OF CONTAINERS IEW-257-502 VEW-811-502 IEW-811-503 VEW-NPDES-VEW-257-501 NEW-845-501 SOIL/SOLIO MATRIX CODE (A-Z, 0-9 / ,-) SAMPLE TYPE Sample IDs MUST BE UNIQUE TEM Project No./ Lab I.D. DATE TIME Х N/A XPW04-pore 3 Х Х N/A XSG01 2 Х N/A Х YSG02 3 Χ 24010248-019 Х Х Х Field Blank à A213 Duplicate 5 Х Х 24010248-020 2 APW02 Duplicate 6 N/Α G006D Duplicate 7 Х N/Α G104 Duplicate 8 -DZ/ 1251 Many \* S 10 11 12 13 14 15 16 ACCEPTED BY / AFFILIATION DATE SAMPLE CONDITIONS TIME RELINQUISHED BY / AFFILIATION DATE ADDITIONAL COMMENTS 127/24 1700 3.1 1200 **NEW-24Q1 Rev 0** Ra226/228, only. SAMPLER NAME AND SIGNATURE Received on tce (Y/N) Samples Intact (Y/N) PRINT Name of SAMPLER: DATE Signed SIGNATURE of SAMPLER: (MM/DD/YY):

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Section A Section B Section C 7 Page: 1 Required Client Information: Required Project Information: Invoice Information: Report To: Brian Voelker Company: Vistra Corp-Newton Attention Terry Hanratty Address: 6725 N 500th St Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com Company Name: Vistra Corp. REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com see Section A NPDES GROUND WATER DRINKINGWATER Email To: Purchase Order No.: Brian.Voelker@VistraCorp.com UST RCRA OTHER Reference: Phone: (217) 753-8911 Project Name: Project Site Location . Manager IL Project Number: 2285 rofile # Requested Due Date/TAT: 10 day STATES Requested Analysis Filtered (Y/N) Section D C=COMP) COLLECTED Required Client Information Preservatives DRIMING WATER (G=GRAB WASTE WATER SAMPLE ID # OF CONTAINERS Analysis Test PRODUCT SOLUSOLID JEW-811-502 **VEW-845-501** MATRIX CODE (A-Z, 0-9 / ,-) SAMPLE TYPE Sample IDs MUST BE UNIQUE DATE Project No./ Lab I.D. TIME A207 N/A 1 -24-24 A213 Х N/A 2 1014 A214 Х N/A 3 A215 N/A 4 APW02 Х Х 2 240 0248-001 5 APW03 2 Х Х 240 0248-002 6 2 2 х 7 APW04 240 0248-003 2 Х APW05 240 0248-004 8 APW05S 2 2 Х 9 240 0248-005 APW06 2 Х 2 240 0248-006 10 2 Х APW07 2 240 0248-007 11 2 Х APW08 24010248-008 12 2 Х APW09 2 2 240 0248-009 13 2 Х APW10 240 0248-010 14 APW11 2 15 24010248-011 APW12 Х 240 0248-012 16 ACCEPTED BY / AFFILIATION SAMPLE CONDITIONS ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE **NEW-24Q1 Rev 0** -ZV 705 11/4/14 Ra226/228, only. CCUS SAMPLER NAME AND SIGNATURE Ē PRINT Name of SAMPLER: 14 40719 Om 1/23/41 SIGNATURE of SAMPLER: (MM/DD/YY

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	Newton, IL 62448				es - samantha.davie	s@vistracc	orp.com		<u> </u>		ŞE	e 5	ectioi	ı A		╇			_			(PDE	3		OUND	WAT				WATER	
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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed Section A Section B Section C 7 of 7 Page: Required Client Information: Required Project Information: Invoice Information: Report To: Brian Voelker Attention: Vistra Corp-Newton Terry Hanratty Address: 6725 N 500th St Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com see Section A NPDES **GROUND WATER** DRINKING WATER Email To: Purchase Order No.: Quote Brian.Voelker@VistraCorp.com UST RCRA OTHER Reference Phone: (217) 753-8911 Project Name: Project Site Location Manager: IL. Project Number: 2285 Requested Due Date/TAT: 10 day STATE: Requisted Analysis Filtered (Y/N) Section D COLLECTED Required Client Information Preservatives DRINKING WATER WATER SAMPLE TEMP AT COLLECT (G=GRAB WASTE WATER SAMPLE ID (566 **JEW-NPDES-501** # OF CONTAINERS Analysis Test Residual Chlorine PRODUCT SOL/SOLID **JEW-257-502** VEW-811-503 MATRIX CODE (A-Z, 0-9 / ,-) SAMPLE TYPE Sample IDs MUST BE UNIQUE TEM AIR Project No./ Lab I.D. DATE Х N/A XPW04-pore 1 Х XSG01 N/A 2 Х YSG02 N/A 3 Х Field Blank Х Х 24010248-019 2 4 1-24-24 0935 5 A213 Duplicate N/A APW02 Duplicate Х 24010248-020 6 G006D Duplicate Х N/A 7 G104 Duplicate N/A 8 1-24-24 -02L 9 10 11 12 13 14 15 16 ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE ACCEPTED Y A FFILIATIO DATE SAMPLE CONDITIONS NEW-24Q1 Rev 0 1705 1/14/12/17/75 Ra226/228, only. SAMPLER NAME AND SIGNATURE Custody Sealed Cooler (Y/N) Received on Ice (Y/N) Samples Intact (Y/N) Temp in PRINT Name of SAMPLER: حاد 7-24 SIGNATURE of SAMPLER: (MM/DD/YY

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Email To: <u>Brian Voelker@VistraCorp.com</u> Purchase Order No.:						Quote Reference:											ı	1	UST		R	CRA		0.	THER	2000	
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#### CHAIN-OF-CUSTODY / Analytical Request Document

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#### CHAIN-OF-CUSTODY / Analytical Request Deciment

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section 8 Section C 7 5 of Page: Required Client Information: Required Project Information: 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 Coro REGULATORY AGENCY Newton, IL 62448 Address: Sam Davies - samantha.davies@vistracorp.com see Section A NPDES **GROUND WATER** DRINKING WATER Email To: Purchase Order No.: Brian.Voelker@VistraCorp.com Эноге UST RCRA OTHER Reference Phone: (217) 753-8911 Project Name: raject Site Location Manager 1L Project Number: 2285 Requested Due Date/TAT: 10 day STATES Requested Analysis Filtered (Y/N) Section D с=сомр) Required Client Information MATRIX COLLECTED Preservatives CRINKING WATER SAMPLE TEMP AT COLLECTION WATER (G=GRAB Residual Chlorine (Y/N) WASTE WATER SAMPLE ID (see # OF CONTAINERS SOLUSOUD VEW-811-503 JEW-NPDES-MATRIX CODE VEW-845-501 (A-Z, 0-9/,-) SAMPLE TYPE Analysis. Sample IDs MUST BE NEW-257 EW-811 UNIQUE AIR DATE THAC Project No./ Lab I.D. L1R-leachate N/A L201-leachate 2 N/A L202-leachate N/A 3 L203-leachate N/A L204-leachate 5 N/A L205-leachate 8 N/A 7 L301-leachate Х N/A M25-1 N/A M25-2 9 N/A M25-3 10 N/A M25-4 11 N/A M25-5 12 N/A M25-6 13 N/A 14 M25-7 N/Α M26-1 15 N/Α M26-2 16 N/A ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE ACCEPTED BY AFFILIATIO TIME DATE SAMPLE CONDITIONS NEW-24Q1 Rev 0  $\infty$ laciay 1300 Ra226/228, only. 55 SAMPLER NAME AND SIGNATURE Sealed Cooler (Y/N) Samples Intact (Y/N) Received or Ice (Y/N) Temp in PRINT Name of SAMPLER: TE Signed SIGNATURE of SAMPLER: MM/DD/YY

Confidential

#### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed a Section A Section B Section C 6 of 7 Page: Required Client Information: Required Project Information: Invoice Information: Report To: Brian Voelker Attention: Vistra Corp-Newton Terry Hanratty Address: 6725 N 500th St Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Newton, IL 62448 Address: Sam Davies - samantha.davies@vistracorp.com see Section A NPDES **GROUND WATER** DRINKING WATER Email To: Brian.Voelker@VistraCorp.com Purchase Order No.: Quote UST OTHER RCRA Reference Phone: (217) 753-8911 Project Name: project Site Location Manager IL Project Number: 2285 rofile #: Requested Due Date/TAT: 10 day Requested Analysis Filtered (Y/N) Section D C=COMP) COLLECTED Required Client Information MATRIX Preservatives DRINKING WATER SAMPLE TEMP AT COLLECTION (G=GRAB Residual Chlorine (Y/N) WASTE WATER SAMPLE ID (seo **IEW-NPDES-501** # OF CONTAINERS PRODUCT CL VP AR SCHOSOUD 502 VEW-257-502 VEW-811-503 MATRIX CODE **JEW-845-501** (A-Z, 0-9 / ,-) SAMPLE TYPE Analysis Sample IDs MUST BE OIL VEW-811-UNIQUE TEM Project No./ Lab I.D. DATE M26-3 N/A 1 M26-4 2 N/A M26-5 N/A 3 M26-6 N/A M26-7 N/A 5 MW31S 6 N/A MW33\$ N/A MW35S N/A MW36S 9 N/A MW48S 10 N/A R216 11 N/A R217D 12 Х N/A R219 13 N/Α XPW01-pore 14 N/A XPW02-pore 15 N/A Х 16 XPW03-pore N/A ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE ACCEPTED BY AFFILIATIO DATE TIME SAMPLE CONDITIONS F76 **NEW-24Q1 Rev 0**  $\Box D$ 1126/24 1300 Ra226/228, only. SAMPLER NAME AND SIGNATURE Received on Ice (Y/N) Sealed Cooler (Y/N) Samples Intact (Y/N) Temp in PRINT Name of SAMPLER: らわか DATE Signed SIGNATURE of SAMPLER: MM/DD/YY

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#### CHAIN-OF-CUSTODY / Analytical Request Deciment

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Section C 7 qf 7 Required Client Information: Required Project Information: Page: invoice Information: Report To: Brian Voelker Vistra Corp-Newton Attention: Terry Hanratty Address: Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com 6725 N 500th St Company Name: Vistra Corp REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracoro.com see Section A NPDES **GROUND WATER** DRINKING WATER Email To: Brian.Voelker@VistraCorp.com Purchase Order No.: Quote UST RCRA OTHER Reference Project Name Phone: (217) 753-8911 Project Site Location Manager ΙL Project Number: 2285 Requested Due Date/TAT; Profile #: 10 day Requested Analysis Filtered (Y/N) Section D valid codes to left) C=COMP) COLLECTED Required Client Information MATRIX Preservatives DRINGWATER DW/ SAMPLE TEMP AT COLLECTION WATER (G=GRAB WASTE WATER SAMPLE ID sec # OF CONTAINERS J Analysis Test Chlorine PRODUCT 4EW-257-502 VEW-811-502 NEW-811-503 NEW-845-501 MATRIX CODE **JEW-NPDES** (A-Z, 0-9 / ,-) SAMPLE TYPE Sample IDs MUST BE UNIQUE WIPE AIR Project No./ Lab I.D. DATE TIME XPW04-pore Х N/A 2 XSG01 Х N/Α 3 YSG02 N/A 1-76-74 Х Field Blank Х Х 4 24010248-019 A213 Duplicate N/A 5 APW02 Duplicate Х Х 2 24010248-020 G006D Duplicate Х N/A G104 Duplicate N/A FB #3 -023 9 10 11 12 13 14 15 16 ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE ACCEPTED BY AFFILIATIO DATE SAMPLE CONDITIONS NEW-24Q1 Rev 0 (2) 126/24/1300 Ra226/228, only SAMPLER NAME AND SIGNATURE Received on toe (Y/N) Custody Sealed Cooler (Y/N) Samples intact (Y/N) Temp in PRINT Name of SAMPLER: Cs10 ATE Signed SIGNATURE of SAMPLER:

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# **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



#### **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**

michakonuhung

2/26/2024 10:05:22 PM

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

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, ABONDAMY JOSEH IP ON CO. 52944-1 NEW-257-501

Client: TekLab, Inc Project/Site: Radium-226 and Radium-228

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Project: Radium-226 and Radium-228

Job ID: 160-52944-1 **Eurofins St. Louis** 

#### 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.

Project: Radium-226 and Radium-228

Client: TekLab, Inc.

#### 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**

NEW-257-501

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005 1 Are the samples chilled? YES NO With: ☐ Ice Blue Ice Preserved in: Lab Field Sampler: Teklab Sampler Teklab Inc Cooler Temp: QC Level: 2 5445 Horseshoe Lake Road Collinsville, IL 62234 Comments: Please Issue reports and invoices via email only Please analyze for Radium 22/228 per standard GW methods. 24010248 Project# Changes to methods must be approved by Teklab, Inc. Batch QC is required for all analyses requested. Excel EDD requested. IL site. Contact: Elizabeth Hurley ehurley@teklabinc.com Phone: 618 344-1004 ext. 33 Standad TAT Billing/PO: \$5715 Requested Due Date: 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 Ra226/228 analyte/method during the life of the contract, you must contact Teklab immediately, Lab Use Preservative Sample ID Sample Date/Time Matrix 24010248-001 HNO3 Groundwater 1 1/18/24 1335 24010248-002 1/23/24 1304 HNO3 Groundwater 1 24010248-003 1/23/24 1352 HNO3 V Groundwater 24010248-004 1/16/24 1222 HNO3 Groundwater ~ 24010248-005 HNO3 1/23/24 0924 Groundwater 1 V 24010248-006 HNO3 1/23/24 1004 Groundwater Ũ 24010248-007 HNO3 1/23/24 1129 Groundwater V 24010248-008 1/18/24 1121 HNO3 Groundwater HNO3 24010248-009 1/23/24 1223 Groundwater V 24010248-010 1/23/24 1439 HNO3 1 Groundwater 24010248-011 HNO3 Groundwater 1/16/24 <del>1320</del> ハスプ ERY 1/21/1/24 \*Relinguished By Date/Time Received By Date/Time Lomi Libra Lo 1/29/11

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

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

Are the samples chi	lled? YES NO	<b>✓</b> With:	☐ Ice	☐ Blue Ice				Prese	rved in	: 🔲	Lab	Г	ield			
Teklab inc 5445 Horseshoe La Collinsville, IL 6223		Cooler Temp:	Sar	mpler: Teklab Sam	Pleas				d invoi			il only				
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Preserved in:

Please Issue reports and invoices via email only

Blue Ice

Sampler: Teklab Sampler

Comments:

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

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With:

Cooler Temp:

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Are the samples chilled?

Collinsville, IL 62234

5445 Horseshoe Lake Road

Teklab Inc

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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)

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Billing/PO: 8575   Phone: 618 344-1004 ext. 33	Contact	Elizabeth Hurley	Email: ehurley@te	klabinc.com					
Interpret on the requested analytes and must be documented as such on the final report.   Interpret of the contract, your devication for the requested method and/or analytes, might be documented as such on the final report.   Interpret of the contract, your devicatory forces accreditation or is suspended for any might be file of the contract. Post of the contract, your usus contact. Tekida immediately.   Interpret of the contract, your devicatory forces accreditation or is suspended for any might be file of the contract, your devicatory forces accreditation or is suspended for any matrix   Interpret of the contract, your devication or is suspended for any matrix   Interpret of the contract, your devicatory forces accreditation or is suspended for any matrix   Interpret of the contract	Requested Due Date	Standad TAT	Billing/PO: 35715		Phc	ine: 618 344-1004 ext. 33			
To required on the requested analytes and must be documented as such on the final report.  Sample ID Sample Date/Time Preservative Matrix  Sample ID Sample Date/Time Preservative Matrix  Sample ID Sample Date/Time Preservative Matrix  Zatio2248-001 1/18/24 1325 HN03 Groundwater Catio248-003 1/123/24 1324 HN03 Groundwater Catio248-005 1/123/24 1324 HN03 Groundwater Catio248-005 1/123/24 1223 HN03 Groundwater Catio248-005 1/123/24 1223 HN03 Groundwater Catio248-006 1/123/24 1224 1224 1224 1224 1224 1224 1224 1	LEASE NOTE:								
Sample ID   Sample Date/Time   Preservative   Matrix   Sample ID   Sample Date/Time   Preservative   Matrix   Sample ID   Sample Date/Time   Preservative   Matrix   Sample ID   Sample Date/Time   Preservative   Matrix   Sample ID   Sample Date/Time   Preservative   Matrix   Sample ID   Sample Date/Time   Preservative   Matrix   Sample ID   Sample Date/Time   Preservative   Matrix   Sample ID   Sample Date/Time   Preservative   Matrix   Sample ID   Sample Date/Time   Preservative   Matrix   Sample ID   Sample Date/Time   Preservative   Sample ID   Sample Date/Time   Sample Date/Time   Sample Date/Time   Sample Date/Time   Sample Date/Time   Sample Date/Time   Sample ID   Sample Date/Time   Sample ID   Sample Date/Time   Sample ID   Sample Date/Time   Sample ID   Sample Date/Time   Sample ID   Sample Date/Time   Sample ID	VELAP accreditation i	s required on the requested	d analytes and must be doc	umented as such	on the final report.				
Sample ID         Sample DaterTime         Preservative         Matrix         Right           24010248-001         1/18/24 1335         HNO3         Groundwater         V           24010248-002         1/23/24 1362         HNO3         Groundwater         V           24010248-003         1/23/24 1362         HNO3         Groundwater         V           24010248-004         1/16/24 1222         HNO3         Groundwater         V           24010248-005         1/123/24 1223         HNO3         Groundwater         V           24010248-006         1/123/24 123         HNO3         Groundwater         V           24010248-007         1/123/24 123         HNO3         Groundwater         V           24010248-009         1/123/24 123         HNO3         Groundwater         V           24010248-009         1/123/24 1339         HNO3         Groundwater         V           24010248-010         1/123/24 1339         HNO3         Groundwater         V           24010248-011         1/16/24 4329         HNO3         Groundwater         V           24010248-011         1/16/24 4329         HNO3         Groundwater         V           24010248-011         1/16/24 4329         HNO3	f your laboratory does lease contact Teklab nalyte/method during	s not currently hold a NELA immediately. If your labora the life of the contract, you	P accreditation for the requatory loses accreditation or in must contact Teklab imme	ested method and s suspended for a ediately.	/or analytes. ny	822	160-52944 Chain	of Custody	
Sample ID         Sample Date/Time         Preservative         Matrix         ©           24010248-001         1/18/24 1335         HNO3         Groundwater         V           24010248-002         1/23/24 1354         HNO3         Groundwater         V           24010248-003         1/16/24 1222         HNO3         Groundwater         V           24010248-005         1/23/24 1024         HNO3         Groundwater         V           24010248-006         1/23/24 1024         HNO3         Groundwater         V           24010248-006         1/23/24 1129         HNO3         Groundwater         V           24010248-006         1/23/24 1129         HNO3         Groundwater         V           24010248-007         1/23/24 1129         HNO3         Groundwater         V           24010248-009         1/23/24 123         HNO3         Groundwater         V           24010248-009         1/23/24 123         HNO3         Groundwater         V           24010248-010         1/18/24 1243         HNO3         Groundwater         V           24010248-011         1/16/24 4329 (V)         HNO3         Groundwater         V           24010248-011         1/16/24 4329 (V)         HNO3						2/922			-
24010248-001         1/18/24 1335         HNO3         Groundwater         V           24010248-002         1/23/24 1364         HNO3         Groundwater         V           24010248-003         1/23/24 1362         HNO3         Groundwater         V           24010248-004         1/16/24 1222         HNO3         Groundwater         V           24010248-005         1/23/24 1024         HNO3         Groundwater         V           24010248-006         1/18/24 1121         HNO3         Groundwater         V           24010248-008         1/18/24 1121         HNO3         Groundwater         V           24010248-009         1/23/24 1223         HNO3         Groundwater         V           24010248-010         1/23/24 1439         HNO3         Groundwater         V           24010248-010         1/16/24 439e (V) 7         HNO3         Groundwater         V           24010248-011         1/16/24 439e (V) 7         HNO3         Groundwater         V           24010248-011         1/16/24 439e (V) 7         HNO3         Groundwater         V	Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	e8			
24010248-002         1/23/24 1364         HNO3         Groundwater         V           24010248-003         1/23/24 1352         HNO3         Groundwater         V           24010248-004         1/18/24 1222         HNO3         Groundwater         V           24010248-005         1/23/24 1004         HNO3         Groundwater         V           24010248-006         1/13/24 1129         HNO3         Groundwater         V           24010248-008         1/18/24 1121         HNO3         Groundwater         V           24010248-009         1/23/24 123         HNO3         Groundwater         V           24010248-010         1/23/24 1439         HNO3         Groundwater         V           24010248-010         1/16/24 4439         HNO3         Groundwater         V           24010248-011         1/16/24 4439         HNO3         Groundwater         V           24010248-017         1/16/24 4439         HNO3         Groundwater         V           24010248-017         1/16/24 4439         HNO3         Groundwater         V           24010248-017         1/16/24 4439         HNO3         Groundwater         V		24010248-001	1/18/24 1335	HN03	Groundwater	2			
24010248-003       1/23/24 1352       HNO3       Groundwater       Image: Conformal confo		24010248-002	1/23/24 1304	HNO3	Groundwater	7			
24010248-004       1/16/24 1222       HNO3       Groundwater       Image: Conformal conformation of the conformation of		24010248-003	1/23/24 1352	HNO3	Groundwater	7	Marchine.		I
24010248-005       1/23/24 0924       HNO3       Groundwater       Image: Conformal conformation of the conformation of		24010248-004	1/16/24 1222	HN03	Groundwater	7			JE
24010248-006       1/23/24 1004       HNO3       Groundwater       Image: Conformal conformation of the conformation of		24010248-005	1/23/24 0924	HN03	Groundwater	2			
24010248-007     1/23/24 1129     HNO3     Groundwater     International Control		24010248-006	1/23/24 1004	HN03	Groundwater	7			I
24010248-008         1/13/24 1121         HNO3         Groundwater         V           24010248-009         1/23/24 1439         HNO3         Groundwater         V           24010248-010         1/16/24 4329 (\$\sigma\$)         HNO3         Groundwater         V           24010248-011         1/16/24 4329 (\$\sigma\$)         HNO3         Groundwater         V           Pote/Time         Received By         Date/Time         Date/Time		24010248-007	1/23/24 1129	HNO3	Groundwater	2			
24010248-009       1/23/24 1223       HNO3       Groundwater       Image: Conformal conformation of the conformation of		24010248-008	1/18/24 1121	HNO3	Groundwater	2			L
24010248-010         1/23/24 1439         HNO3         Groundwater         Image: Confedence of the confedence of t		24010248-009	1/23/24 1223	HN03	Groundwater	7			IL
24010248-011   1/16/24 4329   W   24010248-011   1/16/24 4329   W   24010248-011   24010248-01		24010248-010	1/23/24 1439	HNO3	Groundwater				
Date/Time   Received, By   Date/Time   Dat		24010248-011	1/16/24 4329 1/957	HNO3	Groundwater				10
Date/Time Received, By Date/Time Date/Time Date/Time Date/Time Date/Time			24 1/24/7			The state of the s			
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				<b>&gt;</b>	9		-		01

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

TEKLAB, INC. Chain of Custody

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# **TEKLAB, INC. Chain of Custody**

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	5445 Hors	5445 Horseshoe Lake Road, Collinsville, Il	-111	62234 Phone (618)	(618) 344-1004 Fax (618) 344-1005	
Are the samples chilled?	YES	NO With:	<u> </u>	☐ Blue Ice	Preserved in: Lab Field	
Teklab Inc 5445 Horseshoe Lake Road	ike Road	Cooler Temp:		Sampler: Teklab Sampler	pler QC Level: 2	
Collinsville, IL 62234	34			Comments:	Please Issue reports and invoices via email only	
				Please analyze for	Please analyze for Radium 22/228 per standard GW methods.	
Project#	24010248			Changes to method	Changes to methods must be approved by Teklab, Inc.	
				Batch QC is require	Batch QC is required for all analyses requested. Excel EDD requested. IL site.	Г
Contact:	Contact: Elizabeth Hurley	Email: ehurley@teklabinc.com				7
Requested Due Date: Standad TAT	Standad TAT	Billing/PO: 35715		Pho	Phone: 618 344-1004 ext. 33	
PLEASE NOTE:						
NELAP accreditation is	s required on the requeste	NELAP accreditation is required on the requested analytes and must be documented as such on the final report.	umented as such	on the final report.		
If your laboratory does please contact Teklab analyte/method during	If your laboratory does not currently hold a NELAP accreditation for the please contact Teklab immediately. If your laboratory loses accreditatio analyte/method during the life of the contract, you must contact Teklab	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.	requested method and n or is suspended for ai immediately.	for analytes. ny		
					2/526/2	
Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix		
	24010248-012	1/16/24 1320	HN03	Groundwater		
	24010248-013	1/17/24 1334	HN03	Groundwater		
	24010248-014	1/17/24 1427	HN03	Groundwater		
	24010248-015	1/18/24 1014	HN03	Groundwater		
	24010248-016	1/17/24 1206	HNO3	Groundwater		
	24010248-017	1/17/24 1025	HN03	Groundwater		
	24010248-018	1/16/24 1445	HN03	Groundwater		
	24010248-019	1/26/24 1015	HN03	Groundwater		
	24010248-020	1/18/24 1419	HNO3	Groundwater		
	24010248-021	1/23/24 1521	HN03	Groundwater		
	24010248-022	1/24/24 1451	HN03	Groundwater		
*Relinguished Bv		Date/Time	ya bayiana	Par By		] "
SMO	Cibo	1129124	100	M	Date/Lime	16
)	1 Kins	Heltall +	1 7000	M. AAAA	11/1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u>ਹ</u>

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

# **TEKLAB, INC. Chain of Custody**

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	Field																						2011	to C	
-1005		<u>2</u>	Please Issue reports and invoices via email only Radium 22/228 per standard GW methods		requested. IL site.	ŀ																	Date/Time	1/20/24	
62234 Phone (618) 344-1004 Fax (618) 344-1005	Preserved in:	QC Level:	Comments: Please Issue reports and invoices v	Teklab, Inc.	sted. Excel EDD requested.											L							Dal	3	
344-1004 Fa	Ą		Issue reports	Changes to methods must be approved by Teklab, Inc.	Batch QC is required for all analyses requested.	Phone: 618 344-1004 ext. 33																		423	
ne (618) (	0	ampler	Please for Radium	thods must l	uired for all	hone: 618		ort.	822/928	ZeA	2	7	7	7	2	7	7	>	2	7	7				
62234 Phor	☐ Blue Ice	Sampler: Teklab Sampler	Comments: Please analyze	Changes to me	Batch QC is rec			on the final repo	yny	Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	70	M M	Salah S	-
Collinsville, IL	D Ice	San				klabinc.com		umented as such	s suspended for a diately.	Preservative	HN03	HN03	HN03	HN03	HNO3	HN03	HN03	HN03	HNO3	HN03	HN03	- Income	(100 Necelyal D)	7 707	
5445 Horseshoe Lake Road, Co	Z W	Cooler Temp:				Email: ehurley@teklabinc.com Billing/PO: 35715		analytes and must be docu accreditation for the reque	ry loses accreditation or is must contact Teklab imme	Sample Date/Time	1/26/24 1020											Date/Time		1/12/101	
5445 Horses	YES NO	load		24010248		abeth Hurley idad TAT		ired on the requested a urrently hold a NELAP	diately. If your laborato fe of the contract, you r	Sample ID	24010248-023												78	)	•
	Are the samples chilled?	Teklab Inc 5445 Horseshoe Lake Road	Collinsville, IL 62234	Project# 2401		Contact: Elizabeth Hurley Requested Due Date: Standad TAT	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	2401											Relinguished By	Sylve Colors	1118	

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)

2/26/2024

Client: TekLab, Inc Job Number: 160-52944-1

Login Number: 52944 List Source: Eurofins St. Louis

List Number: 1

Creator: Awalt, Jayna K

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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	

Project/Site: Radium-226 and Radium-228

NEO/0-157-1660-52944-1

#### **Qualifiers**

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 ma	v or may	not be	present in this report.
ADDICTION	THOSE COMMISSION	, asca abbieviations ina	y Oi iiiu	, HOLDO	prosent in tins report.

Example 2 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

# APPENDIX A. AMETHOR SOUTH AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW 10-50-50-52944-1

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

# APPENDIX A. ASSAM FRE SPINATERAL NITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW 157-160-52944-1

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

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

Project/Site: Radium-226 and Radium-228

Lab Sample ID: 160-52944-1

**Matrix: Water** 

Client	Sample	ID:	24010248-001

Date Collected: 01/18/24 13:35 Date Received: 01/29/24 12:00

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	226 and F	Radium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Comple ID: 24040249 002 Lab Cample ID: 460 52044 2

Client Sample ID: 24010246-002	Lab Sample ID: 160-52944-2
Date Collected: 01/23/24 13:04	Matrix: Water
Date Received: 01/29/24 12:00	

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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	4.0 - Radium	-228 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra2	228 Pos -	Combined	Radium-2	26 and F	Radium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

Lab Sample ID: 160-52944-3

Matrix: Water

**Client Sample ID: 24010248-003** 

Date Collected: 01/23/24 13:52 Date Received: 01/29/24 12:00

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	Ra226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 90	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra2	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

Lab Sample ID: 160-52944-5

**Matrix: Water** 

C	lier	ıt S	Sam	ple	ID:	2401	0248-005
_							

Date Collected: 01/23/24 09:24 Date Received: 01/29/24 12:00

Method: EPA 903.	0 - Radium	-226 (GFP	C)							
		`	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	Ra226_Ra	228 Pos -	Combined	Radium-2	226 and F	Radium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-52944-6 Date Collected: 01/23/24 10:04 **Matrix: Water** Date Received: 01/29/24 12:00

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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	4.0 - Radium	-228 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

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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	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	3.05		0.793	0.821	5.00	0.882	pCi/L	<u> </u>	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)

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	26 and Ra	dium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

Client Sample ID: 24010248-009

Lab Sample ID: 160-52944-9

**Matrix: Water** 

**Matrix: Water** 

•
Date Collected: 01/23/24 12:23
Date Received: 01/29/24 12:00

	ate received. O 1/20/24 12:00		
Γ	Method: EPA 903.0 - Radium-226 (GFPC)		
	Count	Total	
	Uncert	Uncert	

			Uncert.	uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 81.2 30 - 110 01/30/24 09:59 02/21/24 07:39 Ba Carrier

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte Radium-228	Result	Qualifier	Count Uncert. (2σ+/-) 0.669	Total Uncert. (2σ+/-) 0.695	RL 1.00	MDC 0.779	 Prepared 01/30/24 10:05	Analyzed 02/08/24 11:46	Dil Fac
Carrier Ba Carrier Y Carrier	% <b>Yield</b> 81.2 80.7	Qualifier	Limits 30 - 110 30 - 110				Prepared 01/30/24 10:05 01/30/24 10:05	Analyzed 02/08/24 11:46 02/08/24 11:46	Dil Fac

Method: TAL-STL Ra226 Ra228 Pos - Combined Radium-226 and Radium-228

	_		Count	Total					
			Uncert.	Uncert.					
Analyte	Result	Qualifier	(2σ+/-)	(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

Lab Sample ID: 160-52944-10 Client Sample ID: 24010248-010

Date Collected: 01/23/24 14:39

Date Received: 01/29/24 12:00

Metriod. Er A 300			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

u - Radium	-220 (GFP	C)							
		Count	Total						
		Uncert.	Uncert.						
Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
1.54		0.667	0.682	1.00	0.873	pCi/L	01/30/24 10:05	02/08/24 11:47	1
%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
71.8		30 - 110					01/30/24 10:05	02/08/24 11:47	1
82.2		30 - 110					01/30/24 10:05	02/08/24 11:47	1
	Result   1.54	Result Qualifier 1.54  %Yield Qualifier 71.8	Count Uncert.	Count Uncert. Uncert.	Count   Total   Uncert.   Uncert.   Uncert.	Count   Total   Uncert.	Count   Total   Uncert.   Uncert.     Result   Qualifier   (2σ+/-)   (2σ+/-)   RL   MDC   Unit     1.54     0.667   0.682   1.00   0.873   pCi/L	Count Uncert. Uncert.   Uncert.	Note to the large region   Content to the large region   Conten

Mothod: TAL CTL Dogge	Ra228 Pos - Combined Radium-226 and Radium-228
WEUTOU. TAL-STE RAZZO	Razzo POS - COIIDIII EU Raululli-220 allu Raululli-220

Mictilou. IAL-OTE I	azzo_ita	<b>LZU I U3</b> -	Combined	Madiaiii-22	o and ite	adiuiii-LL	.0			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-11

Client Sample ID: 24010248-011 Date Collected: 01/16/24 10:37

**Matrix: Water** 

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
A a lt a	Danult	0			D.	MDC	11	D	A a l a d	D:: F
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	Ra226_Ra2	228 Pos -	Combined	Radium-2	26 and F	Radium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Lab Sample ID: 160-52944-12 Client Sample ID: 24010248-012 Date Collected: 01/16/24 13:20 **Matrix: Water** Date Received: 01/29/24 12:00

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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	I.0 - Radium	-228 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-22	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

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 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 90	3.0 - Radium	-226 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

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	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	226 and F	Radium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-52944-16 Date Collected: 01/17/24 12:06 **Matrix: Water** Date Received: 01/29/24 12:00

			Count Uncert.	Total Uncert.						
		_								
Analyte	Result	Qualifier	(2σ+/-)	(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 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

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:	<b>EPA 903.0</b>	- Radium-226	(GFPC)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

	<b></b> :									
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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)

		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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)

Method: EPA 904.0	- Kaulum	-220 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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	
	_クク요

Method. IAL-STER	azzu_i\a	<b>LZ</b> U I U3 -	Combined	Maululli-22	Lo and ix	aululli-Z	20			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228 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:	<b>EPA</b>	903.0 -	Radium	-226 (	(GFPC)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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)

			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 (GEPC)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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	D - 000 D	A contract of the contract	000 - I D - II - 000
I MATRACI IAI SII Bayyk	Manny Due -	Compined Radilim	-776 and Padilim-778

Method. IAL-SIL N	a220_Na2	220 FUS -	Combined	Naululli-2	20 anu in	aululli-24	20				
			Count	Total							
			Uncert.	Uncert.							
Analyte	Result	Qualifier	(2σ+/-)	(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	

Project/Site: Radium-226 and Radium-228

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 (0	GFPC)

			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Total

#### Method: EPA 904.0 - Radium-228 (GEPC)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Count

mothod: I/tE OIE I			Combined	rtadiani 2	Lo ana it	uaiaiii <b>2</b> .				
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 (GEPC)

Metriod. EFA 30.		`	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

i.u - Kadium	-220 (GFP	<b>U</b> )							
		Count	Total						
		Uncert.	Uncert.						
Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
0.569		0.366	0.370	1.00	0.547	pCi/L	01/30/24 10:05	02/08/24 11:47	1
%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
99.2		30 - 110					01/30/24 10:05	02/08/24 11:47	1
83.0		30 - 110					01/30/24 10:05	02/08/24 11:47	1
	Result   0.569   %Yield   99.2	Result Qualifier 0.569  %Yield Qualifier 99.2	Count Uncert.	Count Uncert. Uncert.   Uncert.   (2σ+/-)   (2σ+/-)       0.569	Count Uncert. Uncert.   Uncert.	Count Uncert. Uncert. Uncert.	Count   Uncert.   Uncer	Count Uncert. Uncert. Uncert.   U	Nesult   Qualifier   Continuous   Continu

1		
	226 Ra228 Pos - Combined Rad	
I WELLIOU. IAL-3 IL Nav	ZZU NAZZU FUS • CUIIDIIIEU NAU	

Method. IAL-STER	azzu_i\a	220 1 03 -	Combined	Madiuiii-22	o and ix	dululli-220			
			Count	Total					
			Uncert.	Uncert.					
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.616		0.369	0.373	5.00	0.547 pCi/L	<del></del>	02/22/24 14:40	1

Project/Site: Radium-226 and Radium-228

Lab Sample ID: 160-52944-23

Metric Water

**Matrix: Water** 

Oliant Canania	ID. 04040040 000
Client Samble	ID: 24010248-023

Date Collected: 01/26/24 10:20 Date Received: 01/29/24 12:00

		-226 (GFP	Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra228 Pos	- Combined	Radium-22	26 and Ra	adium-22	8			
		Count	Total						
		Uncert.	Uncert.						
Analyte	Result Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC U	Init	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0849 U	0.300	0.300	5.00	0.529 p	Ci/L	<del></del> -	02/22/24 13:59	1

10

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

NEOND-1267-1660-52944-1

#### 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

			Count	Total						
	МВ	MB	Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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
	MB	MB								
Carrior	%Viold	Qualifier	l imite					Propared	Analyzod	Dil Fac

Lab Sample ID: LCS 160-646067/2-A

75.8

**Matrix: Water** 

Ba Carrier

Analysis Batch: 649031

Client Sample ID: Lab Control Sample

01/30/24 09:59 02/21/24 07:27

Prep Type: Total/NA Prep Batch: 646067

Total LCS LCS %Rec **Spike** Uncert. Analyte Added Result Qual  $(2\sigma + / -)$ RL **MDC** Unit %Rec Limits Radium-226 11.3 11.04 1.14 1.00 0.0891 pCi/L 75 - 125

30 - 110

LCS LCS Carrier %Yield 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** 

_					Total						
	Sample	Sample	DU	DU	Uncert.						RER
Analyte	Result	Qual	Result	Qual	(2σ+/-)	RL	MDC	Unit		RER	Limit
Radium-226	0.131		0.1207		0.0797	1.00	0.106	pCi/L		0.06	1
	DU I	DU									

Carrier %Yield 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** 

Count Total MB MB Uncert. Uncert. Analyte Result Qualifier  $(2\sigma + / -)$  $(2\sigma + / -)$ RL **MDC** Unit Prepared Analyzed Dil Fac Radium-226 0.112 pCi/L 01/30/24 10:07 02/21/24 09:26 0.0007762 U 0.0540 0.0540 1.00

MΒ MB Carrier **%Yield Qualifier** Limits Prepared Analyzed Dil Fac Ba Carrier 88.0 30 - 110 01/30/24 10:07 02/21/24 09:26

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** 

-				Total				•	
	Spike	LCS	LCS	Uncert.				%Rec	
Analyte	Added	Result	Qual	(2σ+/-)	RL	MDC Unit	%Rec	Limits	
Radium-226	11.3	12.38		1.28	1.00	0.0957 pCi/L	109	75 - 125	

10

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

NEOND-1267-1660-52944-1

Prep Type: Total/NA

Prep Batch: 646070

#### Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-646070/2-A

**Matrix: Water** 

**Analysis Batch: 649031** 

LCS LCS

86.3

Carrier %Yield Qualifier

Limits 30 - 110

Lab Sample ID: 160-52944-23 DU

**Matrix: Water** 

Ba Carrier

**Analysis Batch: 649033** 

Client Sample ID: 24010248-023 Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

**Prep Batch: 646070** 

Total DU DU **RER** Sample Sample Uncert. Analyte Result Qual Result Qual  $(2\sigma + / -)$ RL **MDC** Unit RER Limit Radium-226 -0.0247 U 0.007903 U 0.0661 1.00 0.129 pCi/L 0.27

DU DU

Carrier %Yield 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** 

Count Total MB MB Uncert. Uncert. Analyte Result Qualifier  $(2\sigma + / -)$  $(2\sigma + / -)$ RL **MDC** Unit Prepared Analyzed Dil Fac Ū 01/30/24 10:21 02/21/24 18:17 Radium-226 -0.008146 0.0397 0.0397 1.00 0.0882 pCi/L

MR MR

Carrier Qualifier Limits Prepared %Yield Analyzed Dil Fac 30 - 110 01/30/24 10:21 02/21/24 18:17 Ba Carrier 91.9

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

Total **Spike** LCS LCS Uncert. %Rec Added RL %Rec Limits MDC Unit

Analyte Result Qual  $(2\sigma + / -)$ Radium-226 75 - 125 11.3 9.778 1.01 1.00 0.0857 pCi/L 86

Count

0.421

LCS LCS

Carrier %Yield Qualifier Limits 30 - 110 Ba Carrier 93.9

#### Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-646068/1-A **Client Sample ID: Method Blank** 

Total

0.421

**Matrix: Water** 

Analysis Batch: 647336

Prep Type: Total/NA Prep Batch: 646068

MB MB Uncert. Uncert. Analyte Result Qualifier  $(2\sigma + / -)$  $(2\sigma + / -)$ **MDC** Unit RL Prepared Analyzed Dil Fac Radium-228 01/30/24 10:05 02/08/24 15:09

1.00

0.819 pCi/L

MB MB

U

-0.04539

Carrier %Yield Qualifier Limits Prepared Analyzed Dil Fac Ba Carrier 75.8 30 - 110 01/30/24 10:05 02/08/24 15:09

10

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

NEOND-1207-1600-52944-1

Prep Type: Total/NA

**Prep Batch: 646068** 

Dil Fac

#### Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-646068/1-A

Lab Sample ID: LCS 160-646068/2-A

**Matrix: Water** 

**Matrix: Water** 

**Analysis Batch: 647336** 

Analysis Batch: 647336

MB MB

Carrier **%Yield Qualifier** Limits Prepared Analyzed Y Carrier 01/30/24 10:05 02/08/24 15:09 84 9 30 - 110

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Prep Type: Total/NA

**Prep Batch: 646068** 

Total

LCS LCS %Rec **Spike** Uncert. Analyte Added Result Qual  $(2\sigma + / -)$ RL **MDC** Unit %Rec Limits Radium-228 9.23 10.38 1.37 1.00 0.490 pCi/L 112 75 - 125

LCS LCS

Carrier %Yield Qualifier Limits Ba Carrier 87.0 30 - 110 Y Carrier 88.6 30 - 110

Lab Sample ID: 160-52944-12 DU Client Sample ID: 24010248-012

**Matrix: Water** 

Analysis Batch: 647336

Prep Type: Total/NA **Prep Batch: 646068** 

Total Sample Sample DU DU Uncert. **RER** Analyte Result Qual Result Qual RL **MDC** Unit RER Limit  $(2\sigma + / -)$ Radium-228 1.06 1.363 0.550 1.00 0.668 pCi/L 0.29

DU DU Carrier %Yield Qualifier Limits 79.1 Ba Carrier 30 - 110 70.7 30 - 110 Y Carrier

Client Sample ID: Method Blank Lab Sample ID: MB 160-646071/1-A

**Matrix: Water** 

**Analysis Batch: 647898** 

Prep Type: Total/NA

**Prep Batch: 646071** 

Count Total MB MB Uncert. Uncert. Result Qualifier Analyte  $(2\sigma + / -)$  $(2\sigma + / -)$ RL **MDC** Unit Prepared Analyzed Dil Fac Radium-228 0.2745 Ū 0.275 0.276 1.00 0.441 pCi/L 01/30/24 10:19 02/12/24 11:55

MB MB Carrier %Yield Qualifier Limits Prepared Analyzed Dil Fac Ba Carrier 88.0 30 - 110 01/30/24 10:19 02/12/24 11:55 01/30/24 10:19 02/12/24 11:55 Y Carrier 88.2 30 - 110

Lab Sample ID: LCS 160-646071/2-A

**Analysis Batch: 647898** 

**Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA **Prep Batch: 646071** 

				Total				
	Spike	LCS	LCS	Uncert.				%Rec
Analyte	Added	Result	Qual	(2σ+/-)	RL	MDC Uni	t %Rec	Limits
Radium-228	9.22	10.05		1.34	1.00	0.482 pCi	/L 109	75 - 125

Project/Site: Radium-226 and Radium-228

NEOND-1267-1660-52944-1

Prep Type: Total/NA

**Prep Batch: 646071** 

**Client Sample ID: Lab Control Sample** 

#### Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-646071/2-A

Matrix: Water

**Analysis Batch: 647898** 

LCS LCS

Carrier	%Yield	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** 

-23 DU Client Sample ID: 24010248-023
Prep Type: Total/NA

Prep Batch: 646071

Total Sample Sample DU DU Uncert. **RER** Analyte Result Qual Result Qual  $(2\sigma + / -)$ RL **MDC** Unit RER Limit 0.0849 U Radium-228 0.371 1.00 0.526 pCi/L 0.82 0.6301

DU DU

Carrier	%Yield	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

Count Total MB MB Uncert. Uncert. Analyte Result Qualifier  $(2\sigma + / -)$ **MDC** Unit  $(2\sigma + / -)$ RL 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

MB MB

Carrier	%Yield	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** 

Total Spike LCS LCS Uncert. %Rec Analyte Added Result Qual  $(2\sigma + / -)$ RL MDC Unit %Rec Limits Radium-228 9.21 11.01 1.50 1.00 0.643 pCi/L 119 75 - 125

LCS LCS

Carrier	%Yield	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

Total Spike LCSD LCSD Uncert. %Rec **RER** Added Analyte Result Qual  $(2\sigma + / -)$ RL **MDC** Unit %Rec Limits Limit RER Radium-228 9.21 11.92 1.61 1.00 0.663 pCi/L 129 75 - 125 0.29

# APPENDIX A. QCUSAMPIEWRESUPSTORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW 160-152944-1

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

### Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCSD 160-647410/3-A

**Matrix: Water** 

**Analysis Batch: 648133** 

LCSD LCSD

Carrier	%Yield	Qualifier	Limits
Ba Carrier	75.3		30 - 110
Y Carrier	86.0		30 - 110

**Client Sample ID: Lab Control Sample Dup** 

Prep Type: Total/NA

**Prep Batch: 647410** 

Project/Site: Radium-226 and Radium-228

## 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	

Project/Site: Radium-226 and Radium-228

## Rad

## **Prep Batch: 646070**

Lab Sample ID 160-52944-23	Client Sample ID 24010248-023	Prep Type Total/NA	Matrix Water	Method PrecSep-21	Prep Batch
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	

2/26/2024

Project/Site: Radium-226 and Radium-228

Method: 903.0 - Radium-226 (GFPC)

**Matrix: Water** Prep Type: Total/NA

Lab Sample ID         Client Sample ID         (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           160-52944-7         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         79.1           160-52944-13         24010248-013         78.4           160-52944-14         24010248-013         78.4           160-52944-15         24010248-013         78.4           160-52944-16         24010248-015         42.2           160-52944-17         24010248-016         83.0           160-52944-17         24010248-016         83.0           160-52944-17         24010248-016         83.0           160-52944-19         24010248-019         94.1           16				Percent Yield (Acceptance Limits)
160-52944-1			Ва	
160-52944-2 24010248-002 40.7 160-52944-3 24010248-003 83.7 160-52944-5 24010248-005 79.9 160-52944-6 24010248-006 83.7 160-52944-8 24010248-008 50.4 160-52944-8 24010248-008 50.4 160-52944-1 24010248-009 81.2 160-52944-1 24010248-010 71.8 160-52944-1 24010248-010 71.8 160-52944-1 24010248-01 142.7 160-52944-1 24010248-01 142.7 160-52944-1 24010248-01 142.7 160-52944-1 24010248-01 142.7 160-52944-1 24010248-01 142.7 160-52944-1 24010248-01 142.7 160-52944-1 24010248-01 142.7 160-52944-1 24010248-01 142.7 160-52944-1 24010248-01 142.7 160-52944-1 24010248-01 152.7 160-52944-1 24010248-01 152.7 160-52944-1 24010248-01 152.7 160-52944-1 24010248-01 152.7 160-52944-1 24010248-01 152.7 160-52944-1 24010248-01 152.7 160-52944-1 24010248-01 152.7 160-52944-1 24010248-01 152.7 160-52944-1 24010248-01 152.7 160-52944-1 24010248-01 152.7 160-52944-1 24010248-01 152.7 160-52944-1 24010248-01 152.7 160-52944-1 24010248-01 152.7 160-52944-2 24010248-01 152.7 160-52944-2 24010248-02 152.7 160-52	Lab Sample ID	Client Sample ID	(30-110)	
160-52944-3	160-52944-1	24010248-001	94.4	
160-52944-4 24010248-004 74.6 160-52944-5 24010248-005 79.9 160-52944-6 24010248-006 83.7 160-52944-8 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 24010248-012 79.1 160-52944-13 24010248-013 78.4 160-52944-13 24010248-014 79.6 160-52944-13 24010248-014 79.6 160-52944-14 24010248-015 42.2 160-52944-15 24010248-016 83.0 160-52944-17 24010248-016 83.0 160-52944-17 24010248-016 83.0 160-52944-17 24010248-017 79.1 160-52944-18 24010248-018 48.6 160-52944-17 24010248-019 94.1 160-52944-19 24010248-019 94.1 160-52944-20 24010248-019 94.1 160-52944-20 24010248-020 91.9 160-52944-20 24010248-020 91.9 160-52944-21 24010248-020 91.9 160-52944-21 24010248-021 83.7 160-52944-22 24010248-022 99.2 160-52944-23 DU 24010248-023 82.7 160-52944-23 DU 24010248-023 82.7 160-52944-23 DU 24010248-023 86.5 160-52944-23 DU 24010248-024 86.5 160-52944-23 DU 24010248-023 86.5 160-52944-23 DU 24010248-	160-52944-2	24010248-002	40.7	
160-52944-5       24010248-005       79.9         160-52944-6       24010248-006       83.7         160-52944-7       24010248-008       50.4         160-52944-8       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       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         160-52944-15       24010248-016       83.0         160-52944-17       24010248-016       83.0         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       24010248-023       86.5         160-52944-23       24010248-023       86.5         160-52944-23       24010248-023       86.5         160-652944-23 DU       24010248-023       86.5         160-652944-23 DU <td>160-52944-3</td> <td>24010248-003</td> <td>83.7</td> <td></td>	160-52944-3	24010248-003	83.7	
160-52944-6 24010248-006 83.7 160-52944-7 24010248-007 62.6 160-52944-8 24010248-009 81.2 160-52944-9 24010248-010 71.8 160-52944-10 24010248-011 42.7 160-52944-12 24010248-012 81.4 160-52944-12 24010248-012 79.1 160-52944-13 24010248-013 78.4 160-52944-13 24010248-014 79.6 160-52944-14 24010248-015 42.2 160-52944-15 24010248-016 83.0 160-52944-16 24010248-016 83.0 160-52944-17 24010248-016 83.0 160-52944-18 24010248-017 79.1 160-52944-19 24010248-019 94.1 160-52944-19 24010248-019 94.1 160-52944-19 24010248-019 94.1 160-52944-20 24010248-020 91.9 160-52944-21 24010248-021 83.7 160-52944-22 24010248-021 83.7 160-52944-23 24010248-023 82.7 160-52944-23 DU 24010248-023 82.7 160-52944-23 DU 24010248-023 82.7 160-52944-23 DU 24010248-023 86.5 1CS 160-64607/2-A Lab Control Sample 87.0 1CS 160-64607/2-A Lab Control Sample 93.9 1MB 160-64607/21-A Method Blank 75.8 1MB 160-64607/21-A Method Blank 91.9	160-52944-4	24010248-004	74.6	
160-52944-7 24010248-007 62.6 160-52944-8 24010248-008 50.4 160-52944-10 24010248-010 71.8 160-52944-11 24010248-011 42.7 160-52944-12 24010248-012 81.4 160-52944-13 24010248-012 79.1 160-52944-14 2DU 24010248-013 78.4 160-52944-14 20U 24010248-014 79.6 160-52944-15 24010248-015 42.2 160-52944-16 24010248-016 83.0 160-52944-17 24010248-016 83.0 160-52944-18 24010248-016 83.0 160-52944-18 24010248-018 48.6 160-52944-19 24010248-019 94.1 160-52944-19 24010248-019 99.1 160-52944-20 24010248-020 91.9 160-52944-21 24010248-021 83.7 160-52944-22 24010248-021 83.7 160-52944-23 24010248-021 83.7 160-52944-24 24010248-021 83.7 160-52944-24 24010248-021 83.7 160-52944-25 24010248-020 91.9 160-52944-21 24010248-021 83.7 160-52944-23 24010248-021 83.7 160-52944-23 24010248-023 86.5 160-52944-23 DU 24010248-023 86.5 160-52944-23 DU 24010248-023 86.5 160-52944-24 Lab Control Sample 87.0 160-52940-64607/2-A Lab Control Sample 93.9 1MB 160-64607/1-A Method Blank 75.8 1MB 160-646072/1-A Method Blank 91.9	160-52944-5	24010248-005	79.9	
160-52944-8       24010248-008       50.4         160-52944-9       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       24010248-023       82.7         160-52944-23       24010248-023       82.7         160-52944-23       24010248-023       86.5         LCS 160-64607/2-A       Lab Control Sample       86.3         LCS 160-64607/2-A       Lab Control Sample       86.3         LCS 160-64607/1-A       Method Blank       75.8         MB 160-64607/2/1-A       Method Blank       75.8      <	160-52944-6	24010248-006	83.7	
160-52944-9 24010248-009 81.2 160-52944-11 24010248-011 42.7 160-52944-12 24010248-012 81.4 160-52944-13 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 24010248-016 83.0 160-52944-17 24010248-016 83.0 160-52944-17 24010248-019 94.1 160-52944-19 24010248-019 94.1 160-52944-19 24010248-019 94.1 160-52944-21 24010248-020 91.9 160-52944-22 24010248-020 91.9 160-52944-23 24010248-023 82.7 160-52944-23 24010248-023 82.7 160-52944-23 Lab Control Sample 86.3 LCS 160-646070/2-A Lab Control Sample 87.0 LCS 160-646077/2-A Lab Control Sample 93.9 MB 160-646077/1-A Method Blank 75.8 MB 160-646077/1-A Method Blank 91.9 MB 160-646077/1-A Method Blank 91.9 MB 160-646077/1-A Method Blank 91.9	160-52944-7	24010248-007	62.6	
160-52944-10 24010248-010 71.8 160-52944-11 24010248-011 42.7 160-52944-12 24010248-012 81.4 160-52944-13 24010248-013 78.4 160-52944-14 24010248-014 79.6 160-52944-14 24010248-015 42.2 160-52944-15 24010248-016 83.0 160-52944-16 24010248-017 79.1 160-52944-17 24010248-017 79.1 160-52944-18 24010248-018 48.6 160-52944-19 24010248-019 94.1 160-52944-20 24010248-020 91.9 160-52944-20 24010248-020 91.9 160-52944-21 24010248-021 83.7 160-52944-21 24010248-021 83.7 160-52944-21 24010248-023 82.7 160-52944-23 24010248-023 82.7 160-52944-24 Lab Control Sample 86.3 LCS 160-646072/2-A Lab Control Sample 93.9 MB 160-646077/1-A Method Blank 75.8 MB 160-646077/1-A Method Blank 91.9	160-52944-8	24010248-008	50.4	
160-52944-11	160-52944-9	24010248-009	81.2	
160-52944-12	160-52944-10	24010248-010	71.8	
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 83.7 160-52944-21 24010248-021 83.7 160-52944-22 24010248-022 99.2 160-52944-23 24010248-03 82.7 160-52944-23 DU 24010248-03 82.7 160-52944-23 DU 24010248-03 86.5 LCS 160-646067/2-A Lab Control Sample 87.0 LCS 160-64607/2-A Lab Control Sample 86.3 LCS 160-64607/1-A Method Blank 75.8 MB 160-64607/1-A Method Blank 88.0 MB 160-64607/1-A Method Blank 91.9	160-52944-11	24010248-011	42.7	
160-52944-13	160-52944-12	24010248-012	81.4	
160-52944-14 24010248-014 79.6 160-52944-15 24010248-016 83.0 160-52944-17 24010248-017 79.1 160-52944-18 24010248-019 94.1 160-52944-19 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 160-646072/2-A Lab Control Sample 86.3 LCS 160-646070/1-A Method Blank 75.8 MB 160-646070/1-A Method Blank 88.0 MB 160-646072/1-A Method Blank 91.9 ME 160-646072/1-A Method Blank 91.9 ME 160-646072/1-A Method Blank 91.9 ME 160-646072/1-A Method Blank 91.9	160-52944-12 DU	24010248-012	79.1	
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 160-646070/1-A       Method Blank       75.8         MB 160-646070/1-A       Method Blank       88.0         MB 160-646072/1-A       Method Blank       91.9	160-52944-13	24010248-013	78.4	
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 160-646070/2-A Lab Control Sample 93.9 MB 160-646067/1-A Method Blank 75.8 MB 160-646070/1-A Method Blank 91.9 MB 160-646072/1-A Method Blank 91.9	160-52944-14	24010248-014	79.6	
160-52944-17	160-52944-15	24010248-015	42.2	
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	160-52944-16	24010248-016	83.0	
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 160-64607/1-A Method Blank 75.8 MB 160-646070/1-A Method Blank 88.0 MB 160-646072/1-A Method Blank 91.9	160-52944-17	24010248-017	79.1	
160-52944-20	160-52944-18	24010248-018	48.6	
160-52944-21	160-52944-19	24010248-019	94.1	
160-52944-22	160-52944-20	24010248-020	91.9	
160-52944-23	160-52944-21	24010248-021	83.7	
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	160-52944-22	24010248-022	99.2	
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	160-52944-23	24010248-023	82.7	
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	160-52944-23 DU	24010248-023	86.5	
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	LCS 160-646067/2-A	Lab Control Sample	87.0	
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	LCS 160-646070/2-A	•	86.3	
MB 160-646070/1-A Method Blank 88.0 MB 160-646072/1-A Method Blank 91.9			93.9	
MB 160-646070/1-A Method Blank 88.0 MB 160-646072/1-A Method Blank 91.9	MB 160-646067/1-A	Method Blank	75.8	
	MB 160-646070/1-A	Method Blank		
Tracer/Carrier Legend	MB 160-646072/1-A	Method Blank	91.9	
	Tracer/Carrier Legenc	i		

Method: 904.0 - Radium-228 (GFPC)

**Matrix: Water** Prep Type: Total/NA

				Percent Yield (Acceptance Limits)
		Ва	Υ	
Lab Sample ID	Client Sample ID	(30-110)	(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	

Eurofins St. Louis

Project/Site: Radium-226 and Radium-228

Method: 904.0 - Radium-228 (GFPC) (Continued)

**Matrix: Water** Prep Type: Total/NA

				Percent Yield (Acceptance Limits)
		Ва	Υ	
Lab Sample ID	Client Sample ID	(30-110)	(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	
_CS 160-646068/2-A	Lab Control Sample	87.0	88.6	
_CS 160-646071/2-A	Lab Control Sample	86.3	87.9	
_CS 160-647410/2-A	Lab Control Sample	78.3	86.0	
_CSD 160-647410/3-A	Lab Control Sample Dup	75.3	86.0	
ИВ 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

## **Stabilized Field Parameters Summary** Newton- 1Q 2024

Technician(s): DC, JC, TC, BG

recimician(s). Be, se,	10,00						,		•	,	
Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	, ,, ,	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
	1				1	· · · · · · · · · · · · · · · · · · ·			1	1	



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## Stabilized Field Parameters Summary Newton- 1Q 2024

Technician(s): DC, JC, TC, BG

recimician(s). Be, so	-, ,			1	1	1			1		
Well ID	Date	Time	Temp (°C)	Temp (°F)		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	J.		l	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	
0 .	1,15,2027	±∓J				51 W Only				0.50	<u> </u>



## **Stabilized Field Parameters Summary** Newton- 1Q 2024

Technician(s): DC, JC, TC, BG

• • • •												
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 4.								
MW31S	1/15/2024	14:48		DTW only 1.3								
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 S	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 S	Sample					
	•			4,400000								



## **Groundwater Sampling Summary** Newton- 1Q 2024

				Weat	:her			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											



## **Groundwater Sampling Summary** Newton- 1Q 2024

			GW Level Meas	urement		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													



## **Groundwater Sampling Summary** Newton- 1Q 2024

		Sampling Activities and Observations											
WO Sample	Well ID	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

**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		



## **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				Un	able to collect samp	le (potential is:	sue with pump)				24010248-003A
Field Blank	2/26/2024	11:23	QA/QC Sample									24010248-004A
Equipment Blank 1	2/26/2024	11:25	11:25 QA/QC Sample 2								24010248-005A	



### **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



**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 samp	ole (pump/tubing stu	uck)		



**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 coll	ect sample (	potential issue with	pump)		



**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				Q	A/QC Sample			



### **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				Q	A/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:	Pin	e 45720	Technician(s):	an(s): J. Colp/ B. Gillihan		2/26/2024	
pH Standards	LIMS ID	Calibration reading	Date/Time	Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	wc230830b	4.00	1/26/24 8:25	1,412 μS Std.	95009	1416	1/26/24 8:38
7.0 Buffer	wc230616f	7.02	1/26/24 8:29	1		•	
10.0 Buffer	wc231027d	10.00	1/26/24 8:33	Turbidity Standard	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	wc231207a			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%	NI/A		

Sample ID	Date/Time	<b>Temp.</b> °C	<b>pH</b> S.U.	Conductivity μS	<b>Turbidity</b> NTU	<b>ORP</b> 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			

## 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 19E101794

Number

Location St. Louis

**Department** 

State Certified
Status Pass
Temp °C 22.2

Humidity % 43

		<u>Cal</u>	ibration Specificat	<u>tions</u>			
Gi	roup# 1			Range Acc %	0.0000		
Group	Group Name PH			Reading Acc %	3.0000		
Stated Accy Pct of Reading				Plus/Minus	0.00		
Nom In Val / In Val	<u>In Type</u>	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
Gi	roup# 2			Range Acc %	0.0000		
Group	Name Turbidity			Reading Acc %	3.0000		
Stated Accy Pct of Reading			Plus/Minus	0.00			
Nom In Val / In Val	<u>In Type</u>	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
Gi	roup # 3			Range Acc %	0.0000		
Group	Name Conducti	vity		Reading Acc %	3.0000		
Stated	d Accy Pct of Re	ading		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
Gi	roup# 4			Range Acc %	0.0000		
Group	Name Redox (C	ORP)		Reading Acc %	3.0000		
Stated	d Accy Pct of Re	ading		Plus/Minus	0.00		
Nom In Val / In Val	<u>In Type</u>	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
Gi	roup # 5			Range Acc %	0.0000		
	Name Disolved	Oxygen Span		Reading Acc %			
Stated	d Accy Pct of Re	ading		Plus/Minus	0.00		
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

### **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				Range Acc Reading Acc	2 % 0.0000 2 % 3.0000			
Stated Accy Pct of Reading				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	0/0	100.00	%	97.30	100.00	0.00%	Pass	

Test Instruments I	Test Instruments Used During the Calibration (As Of Cal Entry Date)								
Test Standard ID	<u>Description</u>	<u>Manufacturer</u>	Model Number	<u>Serial Number /</u> <u>Lot Number</u>		ext Cal Date / xpiration Date			
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		/20/2024			
STL 1413 COND L#3GF1521	STL 1413 COND L#3GF1521	AquaPhoenix Scientific	31986	3GF1521	5,	/20/2024			
STL ORP SOLUTION 240MV	STL ORP SOLUTION 240MV L#3GJ0094	AquaPhoenix Scientific	ORP Solution	3GJ0094	7,	/25/2024			
L#3GJ0094 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	1	1/25/2025			

#### 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

## 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 19D104679

Number

**Department** 

Location St. Louis

**State Certified** 

Status Pass

**Temp °C** 22.2

Humidity % 43

		<u>Cal</u>	ibration Specificat	tions			
G	roup# 1			Range Acc %	0.0000		
Group Name PH			Reading Acc %	3.0000			
Stated Accy Pct of Reading			Plus/Minus	0.00			
Nom In Val / In Val	<u>In Type</u>	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
G	roup# 2			Range Acc %	0.0000		
Group	Name Turbidity			Reading Acc %	3.0000		
Stated Accy Pct of Reading			Plus/Minus	0.0			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
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
G	roup # 3			Range Acc %	0.0000		
	Name Conducti	vity		Reading Acc %	3.0000		
State	d Accy Pct of Re	ading		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
G	roup # 4			Range Acc %	0.0000		
Group	Name Redox (C	ORP)		Reading Acc %	3.0000		
State	d Accy Pct of Re	ading		Plus/Minus	0.0		
Nom In Val / In Val	<u>In Type</u>	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
G	roup # 5			Range Acc %	0.0000		
	Name Dissolved	d Oxygen Span		Reading Acc %			
•	d Accy Pct of Re			Plus/Minus			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

### **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

	roup # 5 Name Dissolved	Oup # 5 Name Dissolved Oxygen Span			<b>Range Acc %</b> 0.0000 <b>Reading Acc %</b> 3.0000		
Stated Accy Pct of Reading				Plus/Minus 0.0			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	97.1	100.0	0.00%	Pass

Test Instruments U	Test Instruments Used During the Calibration (As Of Cal Entry Date)								
Test Standard ID	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	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	<u>openeu Dute</u>	5/20/2024			
STL 1413 COND L#3GF1521	STL 1413 COND L#3GF1521	AquaPhoenix Scientific	31986	3GF1521		5/20/2024			
STL ORP SOLUTION 240MV	STL ORP SOLUTION 240MV L#3GJ0094	AquaPhoenix Scientific	ORP Solution	3GJ0094		7/25/2024			
L#3GJ0094 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

## 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 19E101794

Number

Location St. Louis

**Department** 

State Certified
Status Pass
Temp °C 22.2

Humidity % 43

		<u>Cal</u>	ibration Specificat	<u>tions</u>			
Gi	roup# 1			Range Acc %	0.0000		
Group	Group Name PH			Reading Acc %	3.0000		
Stated Accy Pct of Reading				Plus/Minus	0.00		
Nom In Val / In Val	<u>In Type</u>	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
Gi	roup# 2			Range Acc %	0.0000		
Group	Name Turbidity			Reading Acc %	3.0000		
Stated Accy Pct of Reading			Plus/Minus	0.00			
Nom In Val / In Val	<u>In Type</u>	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
Gi	roup # 3			Range Acc %	0.0000		
Group	Name Conducti	vity		Reading Acc %	3.0000		
Stated	d Accy Pct of Re	ading		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
Gi	roup# 4			Range Acc %	0.0000		
Group	Name Redox (C	ORP)		Reading Acc %	3.0000		
Stated	d Accy Pct of Re	ading		Plus/Minus	0.00		
Nom In Val / In Val	<u>In Type</u>	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
Gi	roup # 5			Range Acc %	0.0000		
	Name Disolved	Oxygen Span		Reading Acc %			
Stated	d Accy Pct of Re	ading		Plus/Minus	0.00		
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

### **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				Range Acc Reading Acc	2 % 0.0000 2 % 3.0000			
Stated Accy Pct of Reading				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	0/0	100.00	%	97.30	100.00	0.00%	Pass	

Test Instruments I	Test Instruments Used During the Calibration (As Of Cal Entry Date)								
Test Standard ID	<u>Description</u>	<u>Manufacturer</u>	Model Number	<u>Serial Number /</u> <u>Lot Number</u>		ext Cal Date / xpiration Date			
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		/20/2024			
STL 1413 COND L#3GF1521	STL 1413 COND L#3GF1521	AquaPhoenix Scientific	31986	3GF1521	5,	/20/2024			
STL ORP SOLUTION 240MV	STL ORP SOLUTION 240MV L#3GJ0094	AquaPhoenix Scientific	ORP Solution	3GJ0094	7,	/25/2024			
L#3GJ0094 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	1	1/25/2025			

#### Notes about this calibration

Calibration Result Calibration Successful

Who Calibrated Austin Carter

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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

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:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	30
Quality Control Results	31
Receiving Check List	141
Chain of Custody	Appended



#### APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

#### **Definitions**

http://www.teklabinc.com/

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 )



#### APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

## **Definitions**

http://www.teklabinc.com/

Work Order: 24031341 Client: Ramboll Client Project: NEW-24Q2 Report Date: 14-May-24

## Qualifiers

- # Unknown hydrocarbon
- RL shown is a Client Requested Quantitation Limit
- Holding times exceeded H -
- Analyte detected below quantitation limits
- Not Detected at the Reporting Limit
- Spike Recovery outside recovery limits
- X Value exceeds Maximum Contaminant Level

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)



## **Case Narrative**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24031341
Client Project: NEW-24Q2 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		Springfield	Kansas City		
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road	
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214	
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998	
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998	
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com	
	Collinsville Air		Chicago			
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.			
	Collinsville, IL 62234-7425		Downers Grove, IL 60515			
Phone	(618) 344-1004	Phone	(630) 324-6855			
Fax	(618) 344-1005	Fax				
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com			

## **Accreditations**

http://www.teklabinc.com/

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	



NEW-257-501 http://www.teklabinc.com/

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 po	oint *	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 FIEI	LD							
Oxidation-Reduction Potential	*	-300	-300		45	mV	1	04/09/2024 11:56	R345986
STANDARD METHODS 2510 I	3 FIELD								
Spec. Conductance, Field	*	0	0		5150	μS/cm	1	04/09/2024 11:56	R345986
STANDARD METHODS 2550 I	B FIFI D								
Temperature	*	0	0		15.3	°C	1	04/09/2024 11:56	R345986
STANDARD METHODS 4500-	O G FIFI D								
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) 1007	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)	11221	011	1000		20.0	g, <u>_</u>	100	0 1/ 10/2021 10:01	110 10020
Fluoride	NELAP	0.04	0.10		0.18	mg/L	1	04/15/2024 12:39	R345765
	MEDA	0.04	0.10		0.10	mg/L	<u>'</u>	04/10/2024 12:00	110-107-00
SW-846 9251 (TOTAL) Chloride	NELAP	5	40		74	mg/L	10	04/10/2024 15:55	P3/15623
			70			mg/L	10	04/10/2024 10:00	11040020
SW-846 3005A, 6010B, METAl Calcium	NELAP	0.035	0.100		460	mg/L	1	04/12/2024 11:39	221211
			0.100		400	IIIg/L	'	04/12/2024 11:55	221211
SW-846 3005A, 6020A, META 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 μg/L	5	04/13/2024 13:20	
Barium	NELAP	0.7	1.0	J	8.3	μg/L	5	04/16/2024 17:58	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	04/15/2024 22:52	
Boron	NELAP	9.2	25.0		73.4	μg/L	5	04/17/2024 13:20	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	04/13/2024 9:56	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	04/15/2024 22:52	
Cobalt	NELAP	0.1	1.0	J	0.3	μg/L	5	04/13/2024 9:56	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	04/15/2024 22:52	
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 B	e, Cr and	Pb. Sam	ple results	are below the	reporting lim	it. Data is i	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



Client Project: NEW-24Q2

NEW-257-501 http://www.teklabinc.com/

APPENDIX A.

Report Date: 14-May-24

Client: Ramboll Work Order: 24031341

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 213	30 B FIELD								
Turbidity	*	1.0	1.0		2.2	NTU	1	04/09/2024 10:55	R345986
STANDARD METHODS 18T	H ED. 2580 B FIEL	_D							
Oxidation-Reduction Potential	*	-300	-300		-3	mV	1	04/09/2024 10:55	R345986
STANDARD METHODS 251	0 B FIELD								
Spec. Conductance, Field	*	0	0		1040	μS/cm	1	04/09/2024 10:55	R345986
STANDARD METHODS 255	0 B FIFI D								
Temperature	*	0	0		15.8	°C	1	04/09/2024 10:55	R345986
STANDARD METHODS 450	0-0 G FIFI D								
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
	0 C /TOTAL \ 4007		1.00		0.70			0 1/00/2021 10:00	110 10000
STANDARD METHODS 254 Total Dissolved Solids	NELAP	16	20		598	mg/L	1	04/12/2024 9:27	R345767
	NELAL	10	20		390	mg/L	'	04/12/2024 3.27	11040101
SW-846 9036 (TOTAL) Sulfate	NELAP	61	100		106	ma/l	10	04/10/2024 16:09	R345620
	NELAP	01	100		106	mg/L	10	04/10/2024 16.09	K343020
SW-846 9214 (TOTAL)	NEL AD	0.04	0.40		0.04	/I	4	04/45/0004 40:05	D045705
Fluoride	NELAP	0.04	0.10		0.21	mg/L	1	04/15/2024 10:35	K345765
SW-846 9251 (TOTAL)	NELAB					//		0.4/4.0/0.004.40.00	D0.45000
Chloride	NELAP	1	4		9	mg/L	1	04/10/2024 16:03	R345623
SW-846 3005A, 6010B, MET	•	•							
Calcium	NELAP	0.035	0.100		95.8	mg/L	1	04/12/2024 11:41	221211
SW-846 3005A, 6020A, MET	•	•							
Antimony	NELAP	0.4	1.0		< 1.0	μg/L	5	04/17/2024 13:24	
Arsenic	NELAP	0.4	1.0	J	0.4	μg/L	5	04/13/2024 10:02	
Barium 	NELAP	0.7	1.0		94.8	μg/L	5	04/16/2024 18:04	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L "	5	04/15/2024 22:58	
Boron	NELAP	9.2	25.0		375	μg/L	5	04/17/2024 13:24	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	04/13/2024 10:02	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	04/15/2024 22:58	
Cobalt	NELAP	0.1	1.0		< 1.0	μg/L	5	04/13/2024 10:02	
Lead	NELAP *	0.6	1.0		< 1.0	μg/L	5 5	04/15/2024 22:58	
Lithium Molybdenum	NELAP	1.4 0.8	3.0 1.5	J	11.4	μg/L	5 5	04/15/2024 22:58 04/13/2024 10:02	
Molybdenum Selenium	NELAP NELAP	0.8	1.5	J	1.1	μg/L		04/13/2024 10:02	
Selenium Thallium	NELAP NELAP	1.0	2.0		< 1.0 < 2.0	μg/L	5 5	04/15/2024 10:02	
CCV recovered outside the upp				nlo roculta		µg/L			
	er control illillis for Be	<del>s</del> , Orand	ru. Sam	ipie results	are below the	reporting ilm	n. Dala IS	reportable per trie TNI	siaiiuaiu.
SW-846 7470A (TOTAL)	NEI AD	0.06	0.20		40.00	ua/l	4	04/11/2024 18:27	221250
Mercury	NELAP	0.06	0.20		< 0.20	μg/L	1	04/11/2024 18:27	ZZ 1Z59



Client Project: NEW-24Q2

NEW-257-501 http://www.teklabinc.com/

Report Date: 14-May-24

Client: Ramboll Work Order: 24031341

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 po	oint *	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 FIEI	LD							
Oxidation-Reduction Potential	*	-300	-300		-5	mV	1	04/09/2024 9:54	R345986
STANDARD METHODS 2510 B	3 FIELD								
Spec. Conductance, Field	*	0	0		2220	μS/cm	1	04/09/2024 9:54	R345986
STANDARD METHODS 2550 B	B FIFI D								
Temperature	*	0	0		14.1	°C	1	04/09/2024 9:54	R345986
STANDARD METHODS 4500-0	O G FIFI D								
Oxygen, Dissolved	*	0	0		1.71	mg/L	1	04/09/2024 9:54	R345986
SW-846 9040B FIELD						J			
pH	*	0	1.00		6.72		1	04/09/2024 9:54	R345986
STANDARD METHODS 2540 (	C (TOTAL) 1007	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)	11221	00.	000			mg/ E		0 17 10/2021 10:00	110 10020
Fluoride	NELAP	0.04	0.10		0.16	mg/L	1	04/15/2024 10:38	R345765
	MEDA	0.04	0.10		0.10	mg/L	<u> </u>	04/10/2024 10:00	110-101 00
SW-846 9251 (TOTAL) Chloride	NELAP	1	4		34	mg/L	1	04/10/2024 16:28	P3/15623
						mg/L	<u>'</u>	04/10/2024 10:20	11043020
SW-846 3005A, 6010B, METAl Calcium	NELAP	0.035	0.100		212	mg/L	1	04/12/2024 11:42	221211
			0.100		212	IIIg/L	'	04/12/2024 11.42	221211
SW-846 3005A, 6020A, METAI 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 < 1.0	μg/L μg/L	5	04/13/2024 10:08	
Barium	NELAP	0.7	1.0		14.9	μg/L	5	04/16/2024 18:10	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	04/15/2024 23:04	
Boron	NELAP	9.2	25	J	21	μg/L	5	04/17/2024 13:29	
Cadmium	NELAP	0.2	1.0	-	< 1.0	μg/L	5	04/13/2024 10:08	
Chromium	NELAP	0.7	1.5	J	1.0	μg/L	5	04/15/2024 23:04	
Cobalt	NELAP	0.1	1.0	J	0.2	μg/L	5	04/13/2024 10:08	
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	8.0	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 B	e, Cr and	Pb. Sam	ple result	s are below the	reporting lim	it. 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

Client Project: NEW-24Q2

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Laboratory Results

NEWTON POWER PLANT, PRIMARY ASH POND
NEW-257-501

NEW-257-501 http://www.teklabinc.com/

Report Date: 14-May-24

Client: Ramboll Work Order: 24031341

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 MEASU	FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring	point *	0	0		14.98	ft	1	04/04/2024 14:41	R345986	
STANDARD METHODS 213	30 B FIELD									
Turbidity	*	1.0	1.0		27	NTU	1	04/04/2024 14:41	R345986	
STANDARD METHODS 18T	STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-154	mV	1	04/04/2024 14:41	R345986	
STANDARD METHODS 251	0 B FIELD									
Spec. Conductance, Field	*	0	0		890	μS/cm	1	04/04/2024 14:41	R345986	
STANDARD METHODS 255	0 B FIFI D									
Temperature	*	0	0		13.1	°C	1	04/04/2024 14:41	R345986	
STANDARD METHODS 450	∩-റ G FIFI D									
Oxygen, Dissolved	*	0	0		0.64	mg/L	1	04/04/2024 14:41	R345986	
SW-846 9040B FIELD						J.				
pH	*	0	1.00		7.79		1	04/04/2024 14:41	R345986	
STANDARD METHODS 254	0 C (TOTAL) 4007				1.1.0		•	5 ., 5 ., 202 1 1 7.41	1.0.000	
Total Dissolved Solids	NELAP	<b>, 2011</b>	50		580	mg/L	2.5	04/05/2024 12:54	R345434	
	14227	70	00		300	mg/L	2.0	04/00/2024 12:04	11040404	
SW-846 9036 (TOTAL) Sulfate	NELAP	6	10		10	mg/L	1	04/09/2024 12:35	D3/15529	
	NELAF	0	10		10	IIIg/L	· ·	04/09/2024 12.33	1343320	
SW-846 9214 (TOTAL)	NELAP	0.04	0.10		0.54	m a/l	1	04/09/2024 9:54	D245447	
Fluoride	NELAP	0.04	0.10		0.54	mg/L	ı	04/08/2024 8:54	R345417	
SW-846 9251 (TOTAL)	NELAD	4	4		45		4	04/00/0004 40 00	D045400	
Chloride	NELAP	1	4		45	mg/L	1	04/08/2024 16:20	R345468	
SW-846 3005A, 6010B, MET		•						0.4/0.0/0.004.0.00	221222	
Calcium	NELAP	0.035	0.100		59.5	mg/L	1	04/09/2024 9:30	221023	
SW-846 3005A, 6020A, MET	•	•								
Antimony	NELAP	0.4	1.0	J	0.6	μg/L	5	04/12/2024 11:27		
Arsenic	NELAP	0.4	1.0		27.2	μg/L	5	04/09/2024 18:54		
Barium	NELAP	0.7	1.0		269	μg/L 	5	04/09/2024 18:54		
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	04/09/2024 18:54		
Boron	NELAP	9.2	25.0		109	μg/L	5	04/10/2024 20:33		
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	04/10/2024 20:33		
Chromium	NELAP	0.7	1.5		2.6	μg/L	5	04/09/2024 18:54		
Cobalt	NELAP	0.1	1.0	J	0.8	μg/L	5	04/09/2024 18:54		
Lead	NELAP *	0.6	1.0		1.2	μg/L	5 5	04/09/2024 18:54		
Lithium Molybdenum	NELAP	1.4 0.6	3.0 1.5		11.0	μg/L	5 5	04/12/2024 11:27 04/12/2024 11:27		
Selenium	NELAP NELAP	0.6	1.5		10.0	μg/L ug/l	5 5	04/09/2024 11:27		
Selenium Thallium	NELAP NELAP	1.0	2.0		< 1.0	μg/L ug/l	5 5	04/09/2024 18:54		
				olow the -	< 2.0	µg/L			221023	
LCS recovered outside upper c	ontrol littlies for Ca. S	arripie res	suits are t	elow the r	eporung iimit. L	vata is report	abie per th	е ил запаага.		
SW-846 7470A (TOTAL)	NEL AD	0.07	0.20		0.40	/	1	04/00/2024 42:02	224024	
Mercury	NELAP	0.07	0.20	J	0.19	μg/L	1	04/09/2024 12:02	ZZ1UZ4	



NEW-257-501 http://www.teklabinc.com/

APPENDIX A.

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 p	ooint *	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	I FD. 2580 B FIF	l D							
Oxidation-Reduction Potential	*	-300	-300		117	mV	1	04/02/2024 13:52	R345986
STANDARD METHODS 2510	R FIFI D							*	
Spec. Conductance, Field	*	0	0		3380	μS/cm	1	04/02/2024 13:52	R345986
<u> </u>	B EIEL D				0000	μονοιιι		01/02/2021 10:02	1101000
STANDARD METHODS 2550 Temperature	P LIEFD	0	0		17.2	°C	1	04/02/2024 13:52	R345086
·	0.0 5151.0	U	0		17.2	C	'	04/02/2024 13.32	11343300
STANDARD METHODS 4500	-O G FIELD	0	0		2.20	ma/l	1	04/02/2024 13:52	D34E006
Oxygen, Dissolved		U	U		2.20	mg/L	1	04/02/2024 13:52	N343900
SW-846 9040B FIELD	*	^	4.00				4	04/00/0004 40 50	D045000
pH		0	1.00		6.86		1	04/02/2024 13:52	R345986
STANDARD METHODS 2540		-							
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, META	ALS BY ICP (TO	ſAL)							
Calcium	NELAP	0.039	0.100		405	mg/L	1	04/04/2024 10:35	220750
SW-846 3005A, 6020A, META	ALS 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	
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
•									

**Client Sample ID: APW06** 



Lab ID: 24031341-009

NEW-257-501 http://www.teklabinc.com/

APPENDIX A.

Client: Ramboll Work Order: 24031341

Client Project: NEW-24Q2 Report Date: 14-May-24

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
<b>STANDARD METHODS 213</b>	0 B FIELD								
Turbidity	*	1.0	1.0		14	NTU	1	04/09/2024 12:44	R345986
STANDARD METHODS 18TH	H ED. 2580 B FIE	LD							
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 FIFI D								
Temperature	*	0	0		13.6	°C	1	04/09/2024 12:44	R345986
STANDARD METHODS 4500	LO G FIFI D								
Oxygen, Dissolved	*	0	0		0.88	mg/L	1	04/09/2024 12:44	R345986
SW-846 9040B FIELD						J. –	<u> </u>		
pH	*	0	1.00		7.58		1	04/09/2024 12:44	R345986
STANDARD METHODS 2540	) C (TOTAL) 1007						•		
Total Dissolved Solids	NELAP	<b>4</b> 0	50		1260	mg/L	2.5	04/12/2024 9:27	R345767
	74227	.0			1200	1119/2	2.0	0 1/ 12/202 1 0.27	11010101
SW-846 9036 (TOTAL) Sulfate	NELAP	6	10	S	11	mg/L	1	04/10/2024 16:38	P345620
Matrix spike did not recover with						IIIg/L	ı	04/10/2024 10.30	1343020
SW-846 9214 (TOTAL)	iiii control iiiiiits due	to matrix	interieren	ce.					
Fluoride	NELAP	0.04	0.10		0.52	mg/L	1	04/17/2024 13:07	R345902
	INLLA	0.04	0.10		0.52	IIIg/L	ı	04/11/2024 15:01	11040902
SW-846 9251 (TOTAL) Chloride	NELAP	1	4		22	ma/l	1	04/10/2024 16:38	D245622
			4		23	mg/L	ı	04/10/2024 10.36	N343023
SW-846 3005A, 6010B, MET	NELAP	•	0.100		56.9	m a/l	4	04/12/2024 11:44	224244
Calcium		0.035	0.100		30.9	mg/L	1	04/12/2024 11.44	221211
SW-846 3005A, 6020A, MET		-	1.0			//	_	04/47/0004 44.05	004044
Antimony	NELAP	0.4	1.0	J	0.8	μg/L	5	04/17/2024 14:05	
Arsenic	NELAP	0.4	1.0		4.1	μg/L	5	04/13/2024 10:14	
Barium	NELAP	0.7	1.0		255	μg/L	5	04/16/2024 18:16	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	04/16/2024 0:28	
Boron	NELAP	9.2	25.0		78.1 - 1.0	μg/L	5	04/17/2024 14:05	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	04/13/2024 10:14	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	04/16/2024 0:28	
Cobalt	NELAP NELAP	0.1 0.6	1.0 1.0	J	0.2	μg/L	5 5	04/13/2024 10:14 04/16/2024 0:28	
Lead Lithium	NELAP *	1.4	3.0		< 1.0	μg/L	5 5	04/18/2024 0.28	
	NELAP	0.8	3.0 1.5		11.6	μg/L	5 5	04/13/2024 20:30	
Molybdenum Selenium	NELAP	0.6	1.0		7.3	μg/L	5 5	04/13/2024 10:14	
Selenium Thallium	NELAP NELAP	1.0	2.0		< 1.0	μg/L	5 5	04/13/2024 10:14	
				ndo roout	< 2.0	µg/L			
CCV recovered outside the uppe	er control limits for B	e, or and	ıru. Sam	ipie result	s are below the	reporting ilm	n. Data is	теропаріе рег тпе TNI	รเสทินสิโน.
SW-846 7470A (TOTAL)	NICI AD	0.00	0.00		. 0.00	1100/1	4	04/44/0004 40 00	224250
Mercury	NELAP	0.06	0.20		< 0.20	μg/L	1	04/11/2024 18:36	221259



APPENDIX A.

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 MEASU	JREMENTS								
Depth to water from measuring	g point *	0	0		46.90	ft	1	04/09/2024 12:20	R345986
STANDARD METHODS 21	30 B FIELD								
Turbidity	*	1.0	1.0		11	NTU	1	04/09/2024 12:20	R345986
STANDARD METHODS 187	TH ED. 2580 B FIEL	.D							
Oxidation-Reduction Potential	*	-300	-300		113	mV	1	04/09/2024 12:20	R345986
STANDARD METHODS 251	10 B FIELD								
Spec. Conductance, Field	*	0	0		796	μS/cm	1	04/09/2024 12:20	R345986
STANDARD METHODS 255	50 B FIELD								
Temperature	*	0	0		12.1	°C	1	04/09/2024 12:20	R345986
STANDARD METHODS 450	00-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 254	10 C (TOTAL) 1997	2011							
Total Dissolved Solids	NELAP	16	20		574	mg/L	1	04/12/2024 9:31	R345767
SW-846 9036 (TOTAL)						J			
Sulfate	NELAP	6	10		22	mg/L	1	04/10/2024 16:59	R345620
SW-846 9214 (TOTAL)	.,,	-				9/=	·	0 17 107 202 1 10100	. 10 10020
Fluoride	NELAP	0.04	0.10		0.40	mg/L	1	04/17/2024 13:09	R345902
SW-846 9251 (TOTAL)	1122/11	0.01	0.10		0.10	1119/12	•	0 17 117202 1 10:00	11010002
Chloride	NELAP	2	20		68	mg/L	5	04/10/2024 17:05	R345623
			20			mg/L	<u> </u>	04/10/2024 17:03	11040020
SW-846 3005A, 6010B, ME Calcium	NELAP	0.035	0.100	S	94.4	mg/L	1	04/12/2024 11:46	221211
Matrix spike control limits are r					34.4	IIIg/L	'	04/12/2024 11:40	221211
SW-846 3005A, 6020A, ME			ло/зрікс п	ano.					
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	
Barium	NELAP	0.7	1.0		454	μg/L	5	04/17/2024 13:33	
Beryllium	NELAP	0.7	1.0		< 1.0	μg/L	5	04/16/2024 0:58	
Boron	NELAP	9.2	25.0		79.2	μg/L	5	04/17/2024 13:33	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	04/13/2024 10:26	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	04/16/2024 0:58	
Cobalt	NELAP	0.1	1.0	J	0.2	μg/L	5	04/13/2024 10:26	
Lead	NELAP	0.6	1.0	J	< 1.0	μg/L	5	04/16/2024 0:58	
Lithium	*	1.4	3.0		3.2	μg/L	5	04/18/2024 20:51	
Molybdenum	NELAP	0.8	1.5		2.1	μg/L	5	04/13/2024 10:26	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	04/13/2024 10:26	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	04/16/2024 0:58	
CCV recovered outside the up				ple resul					
SW-846 7470A (TOTAL)						, 5			
Mercury	NELAP	0.06	0.20		< 0.20	μg/L	1	04/11/2024 18:38	221259
•			-			1 0			



APPENDIX A.

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 MEASUR	EMENTS								
Depth to water from measuring p	oint *	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 FIE	LD							
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 FIFI D								
Oxygen, Dissolved	*	0	0		0.24	mg/L	1	04/08/2024 14:07	R345986
SW-846 9040B FIELD						Ţ			
pH	*	0	1.00		7.20		1	04/08/2024 14:07	R345986
STANDARD METHODS 2540	C (TOTAL) 1007	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
	NEDVI	01	00			mg/L		04/00/2024 12:00	110-10020
SW-846 9214 (TOTAL) Fluoride	NELAP	0.04	0.10		0.43	mg/L	1	04/15/2024 10:40	P3/15765
	INLLAI	0.04	0.10		0.43	IIIg/L		04/13/2024 10.40	11040700
SW-846 9251 (TOTAL) Chloride	NELAP	2	20		61	ma/l	5	04/09/2024 12:59	D245521
			20		01	mg/L	J	04/09/2024 12.59	K343331
SW-846 3005A, 6010B, META	•	-	0.400		400	· //	4	04/40/0004 44-00	004407
Calcium	NELAP	0.035	0.100		108	mg/L	1	04/10/2024 14:23	221127
SW-846 3005A, 6020A, META	•	•	4.0		4.0	/1	_	04/47/0004 40 40	004407
Antimony	NELAP	0.4	1.0		< 1.0	μg/L	5	04/17/2024 12:13	
Arsenic	NELAP	0.4	1.0		27.2 432	μg/L	5	04/11/2024 2:46	
Barium	NELAP NELAP	0.7 0.2	1.0 1.0		432 < 1.0	μg/L	5 5	04/17/2024 12:13 04/17/2024 12:13	
Beryllium	NELAP	9.2	25.0		91.9	μg/L	5	04/17/2024 12:13	
Boron Cadmium	NELAP	9.2 0.2	25.0 1.0		91.9 < 1.0	μg/L μg/L	5 5	04/11/2024 3:36	
Chromium	NELAP	0.2	1.5	J	1.3	μg/L μg/L	5	04/11/2024 2:40	
Cobalt	NELAP	0.1	1.0	J	0.5	μg/L μg/L	5	04/11/2024 10:32	
Lead	NELAP	0.6	1.0	J	< 1.0	μg/L μg/L	5	04/11/2024 2:46	
Lithium	*	1.4	3.0		3.3	μg/L	5	04/16/2024 3:36	
Molybdenum	NELAP	0.6	1.5		5.0	μg/L	5	04/13/2024 7:37	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	04/11/2024 2:46	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	04/11/2024 2:46	
LCS recovered outside upper cor				elow the					
SW-846 7470A (TOTAL)		,		0	,		,		
Mercury	NELAP	0.06	0.20		< 0.20	μg/L	1	04/11/2024 19:40	221138
J						r- 3· =	•	: = : = :	



APPENDIX A.

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

Manix: GROUNDW	Matrix: GROUNDWATER Conection Date: 04/09/2024 15:12								
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASU	REMENTS								
Depth to water from measuring	point *	0	0		26.46	ft	1	04/09/2024 13:12	R345986
STANDARD METHODS 21:	30 B FIELD								
Turbidity	*	1.0	1.0		24	NTU	1	04/09/2024 13:12	R345986
STANDARD METHODS 18T	'H FD 2580 B FIFI	D							
Oxidation-Reduction Potential	*	-300	-300		-57	mV	1	04/09/2024 13:12	R345986
STANDARD METHODS 251	O R EIEI D								
Spec. Conductance, Field	*	0	0		1350	μS/cm	1	04/09/2024 13:12	R345986
STANDARD METHODS 255	A P EIEI D				1000	регот		0 1/ 00/2021 10:12	110 10000
Temperature	N D LIEFD	0	0		11.4	°C	1	04/09/2024 13:12	P3/5086
•		U	0		11.4	C	ı	04/09/2024 13.12	11343300
STANDARD METHODS 450	0-O G FIELD	0	0		0.74	m a/l	1	04/00/2024 12:12	D245006
Oxygen, Dissolved		0	0		0.74	mg/L	1	04/09/2024 13:12	R345986
SW-846 9040B FIELD	*	_	4.00				4	04/00/0004 40 40	D045000
pH		0	1.00		7.49		1	04/09/2024 13:12	R345986
STANDARD METHODS 254		•							
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 wit	thin control limits due	to matrix	interferer	ice.					
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, MET	TALS BY ICP (TOT	AL)							
Calcium	NELAP	0.035	0.100		76.2	mg/L	1	04/12/2024 11:50	221211
SW-846 3005A, 6020A, MET	TALS BY ICPMS (T	OTAL)				-			
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	
Barium	NELAP	0.7	1.0		504	μg/L	5	04/16/2024 18:22	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	04/16/2024 0:34	
Boron	NELAP	9.2	25.0		93.4	μg/L	5	04/17/2024 14:09	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	04/13/2024 10:20	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	04/16/2024 0:34	
Cobalt	NELAP	0.1	1.0	J	0.4	μg/L	5	04/13/2024 10:20	
Lead	NELAP	0.6	1.0	-	< 1.0	μg/L	5	04/16/2024 0:34	
Lithium	*	1.4	3.0		7.9	μg/L	5	04/18/2024 20:34	
Molybdenum	NELAP	0.8	1.5		3.6	μg/L	5	04/13/2024 10:20	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	04/13/2024 10:20	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	04/16/2024 0:34	
CCV recovered outside the upp				nnle results					
SW-846 7470A (TOTAL)	.c. condormino for Di	c, c. and	D. Gun	.p.o rooanc		. Sporting iiiii	Data 10		o.andard.
Mercury	NELAP	0.06	0.20		< 0.20	ua/I	1	04/11/2024 18:41	221250
INIGI GUI Y	NELAF	0.00	0.20		₹ 0.20	μg/L	1	04/11/2024 10.41	221208



APPENDIX A.

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 MEASU	REMENTS							
Depth to water from measuring	point *	0	0	17.95	ft	1	04/08/2024 12:22	R345986
STANDARD METHODS 21:	30 B FIELD							
Turbidity	*	1.0	1.0	41	NTU	1	04/08/2024 12:22	R345986
STANDARD METHODS 18T	H ED. 2580 B FIEI	_D						
Oxidation-Reduction Potential	*	-300	-300	-2	mV	1	04/08/2024 12:22	R345986
STANDARD METHODS 251	0 B FIELD							
Spec. Conductance, Field	*	0	0	1510	μS/cm	1	04/08/2024 12:22	R345986
STANDARD METHODS 255	O R FIFI D							
Temperature	*	0	0	15.0	°C	1	04/08/2024 12:22	R345986
STANDARD METHODS 450	M-O G FIFI D							
Oxygen, Dissolved	*	0	0	0.15	mg/L	1	04/08/2024 12:22	R345986
SW-846 9040B FIELD			-	5.10	<i>y</i> -			. ,
pH	*	0	1.00	7.14		1	04/08/2024 12:22	R345986
·	IO C (TOTAL) 4007		1.00	7.17		<u>'</u>	5 17 5 57 E 0 E 7 1 E . Z E	. 10 10000
STANDARD METHODS 254 Total Dissolved Solids	NELAP	<b>, 2011</b>	50	1010	mg/L	2.5	04/09/2024 12:51	R345551
	NELA	70	50	1010	mg/L	2.0	04/03/2024 12:31	11040001
SW-846 9036 (TOTAL) Sulfate	NELAP	61	100	416	ma/l	10	04/09/2024 13:23	D245520
	NELAF	01	100	410	mg/L	10	04/09/2024 13.23	K343320
SW-846 9214 (TOTAL)	NELAD	0.04	0.40	0.04		4	04/45/0004 40 40	D0.45705
Fluoride	NELAP	0.04	0.10	0.31	mg/L	1	04/15/2024 10:42	R345765
SW-846 9251 (TOTAL)					,,		0.4/0.0/0.00.4.4.0.4.0	D01==01
Chloride	NELAP	1	4	44	mg/L	1	04/09/2024 13:18	R345531
SW-846 3005A, 6010B, MET		•						
Calcium	NELAP	0.035	0.100	148	mg/L	1	04/10/2024 14:24	221127
SW-846 3005A, 6020A, MET	TALS BY ICPMS (1	OTAL)						
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	
Barium	NELAP	0.7	1.0	30.1	μg/L	5	04/17/2024 12:18	
Beryllium	NELAP	0.2	1.0	< 1.0	μg/L	5	04/17/2024 12:18	
Boron	NELAP	9.2	25.0	98.6	μg/L	5	04/16/2024 4:48	
Cadmium	NELAP	0.2	1.0	< 1.0	μg/L	5	04/11/2024 2:52	
Chromium	NELAP	0.7	1.5	2.2	μg/L	5	04/11/2024 16:58	
Cobalt	NELAP	0.1	1.0	1.2	μg/L 	5	04/11/2024 2:52	
Lead	NELAP	0.6	1.0	1.1	μg/L	5	04/11/2024 2:52	
Lithium	*	1.4	3.0	23.7	μg/L	5	04/16/2024 4:48	
Molybdenum	NELAP	0.6	1.5	7.4	μg/L	5	04/13/2024 7:43	
Selenium	NELAP	0.6	1.0	< 1.0	μg/L	5	04/11/2024 2:52	
Thallium	NELAP	1.0	2.0	< 2.0	μg/L	5	04/11/2024 2:52	221127
LCS recovered outside upper of	control limits for Cd. S	ample re	sults are b	pelow the reporting limit.	Data is report	table per th	e INI Standard.	
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.06	0.20	< 0.20	μg/L	1	04/11/2024 19:42	221138

Client Project: NEW-24Q2

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results

NEWTON POWER PLANT, PRIMARY ASH POND

NEW-257-501 http://www.teklabinc.com/

Report Date: 14-May-24

Client: Ramboll Work Order: 24031341

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 MEASUR	REMENTS								
Depth to water from measuring	point *	0	0		24.35	ft	1	04/04/2024 14:00	R345986
<b>STANDARD METHODS 213</b>	0 B FIELD								
Turbidity	*	1.0	1.0		40	NTU	1	04/04/2024 14:00	R345986
STANDARD METHODS 18TH	H ED. 2580 B FIE	LD							
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 FIFI D								
Temperature	*	0	0		12.9	°C	1	04/04/2024 14:00	R345986
STANDARD METHODS 4500	)-O G FIFI D								
Oxygen, Dissolved	*	0	0		0.87	mg/L	1	04/04/2024 14:00	R345986
SW-846 9040B FIELD						J.			
pH	*	0	1.00		7.18		1	04/04/2024 14:00	R345986
·	) C /TOTAL \ 4007		1.00		7.10		•	0 1/0 1/202 1 1 1:00	1101000
STANDARD METHODS 2540 Total Dissolved Solids	NELAP	40	50		840	mg/L	2.5	04/05/2024 12:54	R345434
	NELA	70	30		040	mg/L	2.0	04/00/2024 12:04	11040404
SW-846 9036 (TOTAL) Sulfate	NELAP	61	100		304	ma/l	10	04/08/2024 16:33	D245467
	NELAF	01	100		304	mg/L	10	04/00/2024 10.33	K343407
SW-846 9214 (TOTAL)	NELAD	0.04	0.40		0.25	/I	4	04/00/0004 0.55	D245447
Fluoride	NELAP	0.04	0.10		0.35	mg/L	1	04/08/2024 8:55	R345417
SW-846 9251 (TOTAL)	NELAB		4			4	4	0.4/0.0/0.00.4.4.0.00	D0.45.400
Chloride	NELAP	1	4		25	mg/L	1	04/08/2024 16:28	R345468
SW-846 3005A, 6010B, MET.	•	-							
Calcium	NELAP	0.035	0.100		140	mg/L	1	04/09/2024 10:28	221023
SW-846 3005A, 6020A, MET	·	•							
Antimony	NELAP	0.4	1.0	J	0.5	μg/L	5	04/12/2024 11:32	
Arsenic	NELAP	0.4	1.0		3.2	μg/L	5	04/09/2024 19:00	
Barium	NELAP	0.7	1.0		38.4	μg/L	5	04/09/2024 19:00	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	04/09/2024 19:00	
Boron	NELAP	9.2	25.0		68.8	μg/L	5	04/10/2024 20:39	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	04/10/2024 20:39	
Chromium	NELAP	0.7	1.5		2.6	μg/L	5	04/09/2024 19:00	
Cobalt	NELAP	0.1	1.0	J	0.9	μg/L	5	04/09/2024 19:00	
Lead	NELAP *	0.6	1.0		2.7	μg/L	5	04/09/2024 19:00	
Lithium		1.4	3.0		23.0	μg/L	5	04/12/2024 11:32	
Molybdenum	NELAP	0.6	1.5		5.1	μg/L	5	04/12/2024 11:32	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	04/09/2024 19:00	
Thallium	NELAP	1.0	2.0	olow the	< 2.0	µg/L	5	04/09/2024 19:00	221023
LCS recovered outside upper co	pritroi ilmits for Cd. S	ampie res	suits are b	elow the I	epoπing limit. L	vata is report	able per th	e i ivi Standard.	
SW-846 7470A (TOTAL)	NICI AD	0.07	0.00				4	04/00/0004 40 04	004004
Mercury	NELAP	0.07	0.20		0.23	μg/L	1	04/09/2024 12:04	221024



APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND

NEW-257-501

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24031341

Client Project: NEW-24Q2 Report Date: 14-May-24

Matrix: GROUNDWATER Collection Date: 04/04/2024 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREM	ENTS								
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 FIEI	_D							
Oxidation-Reduction Potential	*	-300	-300		21	mV	1	04/04/2024 12:54	R345986
STANDARD METHODS 2510 B F	FIELD								
Spec. Conductance, Field	*	0	0		2000	μS/cm	1	04/04/2024 12:54	R345986
STANDARD METHODS 2550 B F	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									
рН	*	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)						<del>_</del>			
Chloride	NELAP	1	4		30	mg/L	1	04/08/2024 16:36	R345468
SW-846 3005A, 6010B, METALS	BY ICP (TOT	AL)							
Calcium	NELAP	0.035	0.100	S	285	mg/L	1	04/09/2024 10:29	221023
Matrix spike control limits are not app	olicable due to h	igh samp	ole/spike r	atio.					
SW-846 3005A, 6020A, METALS	BY ICPMS (T	OTAL)							
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	
Cadmium	NELAP	0.2	1.0	S	< 1.0	μg/L	5	04/10/2024 20:45	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	04/09/2024 19:29	
Cobalt	NELAP	0.1	1.0		1.0	μg/L	5	04/09/2024 19:29	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	04/09/2024 19:29	
Lithium	*	1.4	3.0		33.8	μg/L	5	04/12/2024 11:37	
Molybdenum	NELAP	0.6	1.5	J	0.7	μg/L "	5	04/12/2024 11:37	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	04/09/2024 19:29	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	04/09/2024 19:29	221023
Matrix spike recovered outside upper					, 0	•		o TNI Standard	
LCS recovered outside upper control	minus for Ca. S	arripie res	suits are b	elow the r	eporung limit. L	ata is report	able per th	ะ ภพ อเลกตลศต.	
SW-846 7470A (TOTAL)	NICL AD	0.00	0.00		. 0 00	/!	4	04/05/0004 45 40	224052
Mercury	NELAP	0.06	0.20		< 0.20	μg/L	1	04/25/2024 15:48	221952



APPENDIX A.

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 MEASU	REMENTS								
Depth to water from measuring	point *	0	0		32.24	ft	1	04/08/2024 13:19	R345986
STANDARD METHODS 213	0 B FIELD								
Turbidity	*	1.0	1.0		19	NTU	1	04/08/2024 13:19	R345986
STANDARD METHODS 18T	H ED. 2580 B FIEI	LD							
Oxidation-Reduction Potential	*	-300	-300		-64	mV	1	04/08/2024 13:19	R345986
STANDARD METHODS 251	0 B FIELD								
Spec. Conductance, Field	*	0	0		1410	μS/cm	1	04/08/2024 13:19	R345986
STANDARD METHODS 255	O B FIFI D								
Temperature	*	0	0		15.0	°C	1	04/08/2024 13:19	R345986
STANDARD METHODS 450	0-0 G FIFI D								
Oxygen, Dissolved	*	0	0		0.31	mg/L	1	04/08/2024 13:19	R345986
SW-846 9040B FIELD					0.0.	9/ =	·	0 1/ 00/ 202 1 10110	. 10 10000
pH	*	0	1.00		7.07		1	04/08/2024 13:19	R345986
•	0.0 (TOTAL) 4007		1.00		7.01		'	04/00/2024 13:13	11040000
STANDARD METHODS 254  Total Dissolved Solids	NELAP	<b>, 2011</b> 40	50		950	ma/l	2.5	04/09/2024 12:52	D2/15551
	NELAF	40	50		950	mg/L	2.5	04/09/2024 12.52	K345551
SW-846 9036 (TOTAL)	NELAB	0.4	400		050	4	40	04/00/0004 40 04	D0.45500
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, MET	ALS BY ICP (TOT	AL)							
Calcium	NELAP	0.035	0.100		128	mg/L	1	04/10/2024 14:26	221127
SW-846 3005A, 6020A, MET	ALS BY ICPMS (1	OTAL)							
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	
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	
Molybdenum	NELAP	0.6	1.5		7.0	μg/L	5	04/13/2024 8:13	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	04/11/2024 2:58	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	04/11/2024 2:58	221127
LCS recovered outside upper co	ontrol limits for Cd. S	ample re	sults are b	elow the r	eporting limit. [	Data is report	able per th	e TNI Standard.	
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	μg/L	1	04/11/2024 19:45	221138

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 MEASUR	EMENTS								
Depth to water from measuring p	oint *	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 FIEI	_D							
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)						<u> </u>			
Sulfate	NELAP	61	100		380	mg/L	10	04/08/2024 16:50	R345467
SW-846 9214 (TOTAL)						<b></b>	. •	1	
Fluoride	NELAP	0.04	0.10		0.32	mg/L	1	04/08/2024 9:00	R345417
SW-846 9251 (TOTAL)	11221	0.04	0.10		0.02	9/ =		0 1/ 00/Z0Z + 0.00	. 10 10 - 17
Chloride	NELAP	1	8		40	mg/L	2	04/08/2024 16:44	R345468
			U		70	1119/L		0-100/2021 10.44	. 10-10-100
SW-846 3005A, 6010B, META Calcium	NELAP	<b>AL)</b> 0.035	0.100		150	mg/L	1	04/09/2024 10:34	221023
			0.100		130	mg/L	'	07/00/2024 10.04	22 1020
SW-846 3005A, 6020A, META Antimony	NELAP	0.4	1.0	J	0.8	μg/L	5	04/12/2024 12:10	221022
Anumony Arsenic	NELAP	0.4	1.0	J	0.8 6.6	μg/L μg/L	5 5	04/09/2024 12:10	
Barium	NELAP	0.4	1.0		48.8	μg/L μg/L	5	04/09/2024 19:06	
Beryllium	NELAP	0.7	1.0		< 1.0	μg/L μg/L	5	04/09/2024 19:06	
Boron	NELAP	9.2	25.0		79.0	μg/L	5	04/17/2024 14:18	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	04/10/2024 21:51	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	04/09/2024 19:06	
Cobalt	NELAP	0.1	1.0		< 1.0	μg/L	5	04/09/2024 19:06	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	04/09/2024 19:06	
Lithium	*	1.4	3.0		28.3	μg/L	5	04/15/2024 20:02	
Molybdenum	NELAP	0.6	1.5		4.7	μg/L	5	04/12/2024 12:10	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	04/09/2024 19:06	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	04/09/2024 19:06	
LCS recovered outside upper con	ntrol limits for Cd. S	ample res	sults are b	elow the r			able per th	e TNI Standard.	
SW-846 7470A (TOTAL)					-				
Mercury	NELAP	0.07	0.20		< 0.20	μg/L	1	04/09/2024 12:09	221024

Client Project: NEW-24Q2

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND
NEW-257-501

NEW-257-501 http://www.teklabinc.com/

Report Date: 14-May-24

Client: Ramboll Work Order: 24031341

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 MEASUR	EMENTS							
Depth to water from measuring p	ooint *	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	I ED. 2580 B FIE	LD						
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 FIFI D							
Temperature	*	0	0	12.5	°C	1	04/04/2024 10:48	R345986
STANDARD METHODS 4500	-O G FIFI D							
Oxygen, Dissolved	*	0	0	0.10	mg/L	1	04/04/2024 10:48	R345986
SW-846 9040B FIELD					J.			
pH	*	0	1.00	6.99		1	04/04/2024 10:48	R345986
STANDARD METHODS 2540	C (TOTAL) 1007			0.00		·	0 1/0 1/202 1 10110	. 10 10000
Total Dissolved Solids	NELAP	80	100	310	mg/L	5	04/05/2024 12:55	R345434
			.00	0.0	g, =		0 17 007 202 1 12100	
SW-846 9036 (TOTAL) Sulfate	NELAP	6	10	12	mg/L	1	04/08/2024 17:08	R345467
	NELAL	U	10	12	mg/L	'	04/00/2024 17:00	11040407
SW-846 9214 (TOTAL) Fluoride	NELAP	0.04	0.10	0.48	mg/L	1	04/08/2024 9:01	D2/5/17
	NELAF	0.04	0.10	0.40	IIIg/L	ı	04/00/2024 9.01	1343417
SW-846 9251 (TOTAL)	NELAD	E	40	224	m a/l	10	04/00/2024 17:12	D245460
Chloride	NELAP	5	40	234	mg/L	10	04/08/2024 17:13	K343400
SW-846 3005A, 6010B, META		•	0.400	400		4	04/00/0004 40-00	224022
Calcium	NELAP	0.035	0.100	109	mg/L	1	04/09/2024 10:36	221023
SW-846 3005A, 6020A, META	•	-	4.0		4	_	04/40/0004 40 45	004000
Antimony	NELAP	0.4	1.0	< 1.0	μg/L	5	04/12/2024 12:15	
Arsenic	NELAP	0.4	1.0	29.6	µg/L	5	04/09/2024 19:11	
Barium	NELAP	0.7	1.0	584	μg/L	5	04/09/2024 19:11	
Beryllium	NELAP NELAP	0.2 9.2	1.0 25.0	< 1.0 112	μg/L	5 5	04/09/2024 19:11 04/17/2024 14:22	
Boron Cadmium	NELAP	9.2 0.2	25.0 1.0	112 < 1.0	μg/L μg/L	5 5	04/17/2024 14:22	
Chromium	NELAP	0.2	1.0	< 1.0 4.0	μg/L μg/L	5 5	04/09/2024 21.57	
Cobalt	NELAP	0.7	1.0	1.4	μg/L μg/L	5	04/09/2024 19:11	
Lead	NELAP	0.1	1.0	2.2	μg/L μg/L	5	04/09/2024 19:11	
Lithium	*	1.4	3.0	9.1	μg/L μg/L	5	04/09/2024 19:11	
Molybdenum	NELAP	0.6	1.5	6.3	μg/L	5	04/12/2024 12:15	
Selenium	NELAP	0.6	1.0	< 1.0	μg/L	5	04/09/2024 19:11	
Thallium	NELAP	1.0	2.0	< 2.0	μg/L	5	04/09/2024 19:11	
LCS recovered outside upper cor								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.07	0.20	< 0.20	μg/L	1	04/09/2024 12:16	221024
	11271	0.01	0.20	₹ 0.20	ry'∟		0 1/00/2027 12.10	



Client Project: NEW-24Q2

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND

NEW-257-501

NEW-257-501 http://www.teklabinc.com/

Report Date: 14-May-24

Client: Ramboll Work Order: 24031341

Lab ID: 24031341-019 Client Sample ID: APW16

Matrix: GROUNDWATER Collection Date: 04/04/2024 11:43

Matrix: GROUNDWA					001100110	n Date. 0-	1/01/202	1 11.15	
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUR	EMENTS								
Depth to water from measuring p	oint *	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 FIEL	.D							
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 FIFI D								
Temperature	*	0	0		12.7	°C	1	04/04/2024 11:43	R345986
STANDARD METHODS 4500-	O G FIFI D								
Oxygen, Dissolved	*	0	0		0.27	mg/L	1	04/04/2024 11:43	R345986
SW-846 9040B FIELD					VIZ.	····	•		
pH	*	0	1.00		7.31		1	04/04/2024 11:43	R345986
•	C (TOTAL) 4007		1.00		7.31		'	0-7,0-7,202+ 11. <del>4</del> 0	. 10-10000
STANDARD METHODS 2540 Total Dissolved Solids	NELAP	40 40	50		705	mg/L	2.5	04/05/2024 12:55	R345434
	INELAF	40	50		700	IIIg/L	۷.۵	04/03/2024 12.33	1343434
SW-846 9036 (TOTAL)	NIE! AD	^	40		44			04/00/0004 47 40	D045407
Sulfate	NELAP	6	10		11	mg/L	1	04/08/2024 17:16	K34546/
SW-846 9214 (TOTAL)								0.1/00/2223	D0.4= · ·
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, META	LS BY ICP (TOT	AL)							
Calcium	NELAP	0.035	0.100		105	mg/L	1	04/09/2024 10:37	221023
SW-846 3005A, 6020A, META	LS BY ICPMS (T	OTAL)							
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	r control limits for Li	Sample	e results a	re below t	he reporting lim	nit. Data is re	portable pe	er the TNI standard.	
LCS recovered outside upper cor	ntrol limits for Cd. Sa	ample res	sults are b	elow the r	eporting limit. E	Data is report	able per th	e TNI Standard.	
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.07	0.20		< 0.20	μg/L	1	04/09/2024 12:18	221024



APPENDIX A.

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

C.16911B1171							., 5 ., 252		
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURI	EMENTS								
Depth to water from measuring p	oint *	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 FIE	LD							
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	R FIFI D								
Temperature	*	0	0		12.9	°C	1	04/04/2024 12:38	R345986
STANDARD METHODS 4500-	O G FIFI D								
Oxygen, Dissolved	*	0	0		0.34	mg/L	1	04/04/2024 12:38	R345986
SW-846 9040B FIELD		<u> </u>			0.0 .			1	
pH	*	0	1.00		7.30		1	04/04/2024 12:38	R345086
	C (TOTAL) 4005		1.00		7.30		'	0-10-1202 <b>-</b> 12.00	110-10000
STANDARD METHODS 2540 Total Dissolved Solids	NELAP	<b>7, 2011</b> 40	50		650	mg/L	2.5	04/05/2024 12:55	R345434
	INLLAI	40	30		630	IIIg/L	2.0	04/03/2024 12.33	11040404
SW-846 9036 (TOTAL)	NELAD	40	20			/I	^	04/00/0004 47-04	D245407
Sulfate	NELAP	12	20		66	mg/L	2	04/08/2024 17:24	R345467
SW-846 9214 (TOTAL)	NEL AB	0.04	0.40			,,		0.4/0.0/0.004.0.05	D0.45.447
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, META	LS BY ICP (TO	ΓAL)							
Calcium	NELAP	0.035	0.100		126	mg/L	1	04/09/2024 10:39	221023
SW-846 3005A, 6020A, META	LS 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 con	ntrol limits for Cd. S	ample res	sults are b	pelow the r	eporting limit. D	Data is report	able per th	e TNI Standard.	
SW-846 7470A (TOTAL)									



APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND

NEW-257-501

NEW-257-501 http://www.teklabinc.com/

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 MEASUR	REMENTS								
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	I ED. 2580 B FIEL	_D							
Oxidation-Reduction Potential	*	-300	-300		-144	mV	1	04/04/2024 13:35	R345986
STANDARD METHODS 2510	B FIFI D								
Spec. Conductance, Field	*	0	0		1070	μS/cm	1	04/04/2024 13:35	R345986
STANDARD METHODS 2550	R FIFI D								
Temperature	*	0	0		12.9	°C	1	04/04/2024 13:35	R345986
STANDARD METHODS 4500	LO G FIFI D		-						
Oxygen, Dissolved	*	0	0		0.24	mg/L	1	04/04/2024 13:35	R345986
					0.24	1119/12	•	0 1/0 1/2021 10:00	1101000
<b>SW-846 9040B FIELD</b> pH	*	0	1.00		7.55		1	04/04/2024 13:35	R345086
•	O (TOTAL) 4007		1.00		7.33		<u> </u>	0 <del>1</del> /0 <del>1</del> /2021 10.00	1.040000
STANDARD METHODS 2540 Total Dissolved Solids	NELAP	, <b>2011</b> 40	50		565	mg/L	2.5	04/05/2024 12:55	D3/15/13/
	NELAP	40	30		303	IIIg/L	2.0	04/05/2024 12.55	K343434
SW-846 9036 (TOTAL)	NELAB		40			,	4	04/00/0004 47 07	D0 45 407
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, META	ALS BY ICP (TOT	AL)							
Calcium	NELAP	0.035	0.100		87.6	mg/L	1	04/09/2024 10:41	221023
SW-846 3005A, 6020A, META	ALS BY ICPMS (T	OTAL)							
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	
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	
Cobalt	NELAP	0.1	1.0	J	0.3	μg/L	5	04/09/2024 20:11	
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	
Molybdenum	NELAP	0.6	1.5		4.2	μg/L	5	04/12/2024 12:29	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	04/09/2024 20:11	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	04/09/2024 20:11	221023
LCS recovered outside upper co					. •	•			
CCV recovered outside the uppe	er control limits for C	o. Samp	le results	are below	the reporting li	mit. Data is i	reportable <sub>l</sub>	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



APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

NEW-257-501 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	Certificati	on MDL	RL (	Qual	Result	Units	DF	Date Analyzed Batch		
FIELD ELEVATION MEASUREMENTS										
Depth to water from measuring poi	int *	0	0		2.40	ft	1	04/01/2024 15:20 R345986		



APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

NEW-257-501 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	Certificatio	n MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch			
FIELD ELEVATION MEASUREMENTS											
Depth to water from measuring poil	nt *	0	0		6.06	ft	1	04/01/2024 14:03 R345986			

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Laboratory Results

NEWTON POWER PLANT, PRIMARY ASH POND
NEW-257-501

NEW-257-501 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, META	LS BY ICP (TOT	AL)							
Calcium	NELAP	0.035	0.100		< 0.100	mg/L	1	04/11/2024 12:28	221254
SW-846 3005A, 6020A, META	LS BY ICPMS (T	OTAL)							
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 cor Contamination present in the MBI		•				ata is reporta	•		

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



Client: Ramboll Work Order: 24031341

Client Project: NEW-24Q2 Report Date: 14-May-24

Lab ID: 24031341-069Client Sample ID: APW02 DuplicateMatrix: GROUNDWATERCollection Date: 04/09/2024 11:56

Pietle Leva Tion Measuring point	Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2130 B FIELD         1.0         1.0         1.0         2.1         NTU         1         04/09/2024 11:56         R345986           STANDARD METHODS 18TH ED. 2580 B FIELD         —300         -300         45         mV         1         04/09/2024 11:56         R345986           STANDARD METHODS 2510 B FIELD         —500         0         5150         µS/cm         1         04/09/2024 11:56         R345986           STANDARD METHODS 2550 B FIELD           Temperature         °         0         0         1.84         mg/L         1         04/09/2024 11:56         R345986           STANDARD METHODS 4500-0 G FIELD           Oxygen, Dissolved         °         0         1.00         6.73         1         04/09/2024 11:56         R345986           STANDARD METHODS 4500-0 G FIELD           Dyl         °         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 11:56         R345986           SW-846 9036 (TOTAL)         1997         0	FIELD ELEVATION MEASURE	EMENTS								
Turbidity	Depth to water from measuring po	oint *	0	0		3.93	ft	1	04/09/2024 11:56	R345986
STANDARD METHODS 18TH ED. 2580 B FIELD	STANDARD METHODS 2130	B FIELD								
Oxidation-Reduction Potential         *         -300         -300         45         mV         1         04/09/2024 11:56         R345986           STANDARD METHODS 2510 B FIELD           Syee. Conductance, Field         *         0         0         5150         µS/cm         1         04/09/2024 11:56         R345986           STANDARD METHODS 2550 B FIELD           To preparture         *         0         0         15.3         "C         1         04/09/2024 11:56         R345986           STANDARD METHODS 4500-0 G FIELD           Oxygen, Dissolved         *         0         0         0.6.73         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.         *         *         *         0         6.73         1         04/09/2024 11:56         R345986           SW-846 9036 (TOTAL)         *         0         4580         mg/L         2.5         04/15/2024 11:51         R345864           SW-846 9251 (TOTAL)         *<	Turbidity	*	1.0	1.0		2.1	NTU	1	04/09/2024 11:56	R345986
STANDARD METHODS 2510 B FIELD   Spec. Conductance, Field   " 0 0 0 0 5150 µS/cm 1 04/09/2024 11:56 R345986   STANDARD METHODS 4500 - O FIELD   Temperature   " 0 0 0 0 18.3 "C 1 04/09/2024 11:56 R345986   STANDARD METHODS 4500 - O FIELD   O 0 0 18.4	STANDARD METHODS 18TH	ED. 2580 B FIE	LD							
Spec. Conductance, Field	Oxidation-Reduction Potential	*	-300	-300		45	mV	1	04/09/2024 11:56	R345986
STANDARD METHODS 2550 B FIELD   Temperature   * 0 0 0 1 15.3 **C 1 04/09/2024 11.56 R345986 R3TANDARD METHODS 4500-0 G FIELD   Wayne, Dissolved   * 0 0 0 1 1.84 mg/L 1 04/09/2024 11.56 R3459886 R345986 R345986 R345986 R345986 R345986 R	STANDARD METHODS 2510	B FIELD								
Temperature	Spec. Conductance, Field	*	0	0		5150	μS/cm	1	04/09/2024 11:56	R345986
STANDARD METHODS 4500-0 G FIELD   Oxygen, Dissolved   * 0 0 0 0 1.84 mg/L 1 04/09/2024 11:56 R345986   SW-846 9040B FIELD   PH	STANDARD METHODS 2550	B FIELD								
Swygen, Dissolved   *   0   0   1.84   mg/L   1   04/09/2024 11:56   R345986		*	0	0		15.3	°C	1	04/09/2024 11:56	R345986
Swygen, Dissolved   *   0   0   1.84   mg/L   1   04/09/2024 11:56   R345986	STANDARD METHODS 4500-	O G FIFI D								
pH         *         0         1.00         6.73         1         04/09/2024 11:55         R345986           STANDARD METHODS 2540 C (TOTAL) 1997, 2011           Total Dissolved Solids         NELAP         40         50         4580         mg/L         2.5         04/15/2024 11:51         R345848           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 9214 (TOTAL)           Fluoride         NELAP         0.04         0.10         0.17         mg/L         1         04/15/2024 12:42         R345765           SW-846 9214 (TOTAL)           Fluoride         NELAP         0.04         0.10         0.17         mg/L         1         04/15/2024 11:35         R345623           SW-846 9251 (TOTAL)           Calcium         NELAP         0.5         40         77         mg/L		*	0	0		1.84	mg/L	1	04/09/2024 11:56	R345986
pH         *         0         1.00         6.73         1         04/09/2024 11:55         R345986           STANDARD METHODS 2540 C (TOTAL) 1997, 2011           Total Dissolved Solids         NELAP         40         50         4580         mg/L         2.5         04/15/2024 11:51         R345848           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         1         04/15/2024 17:45         R345623           SW-846 3005A, 6010B, METALS BY ICPY (TOTAL)           Calcium         NELAP         0.35         0.100         437         mg/L         1         04/12/2024 17:45         R345623           SW-846 3005A, 6020A, METALS BY ICPY         TOTAL         V         1         0         437         mg/L         1										
STANDARD METHODS 2540 C (TOTAL) 1997, 2011   Total Dissolved Solids   NELAP   40   50   4580   mg/L   2.5   04/15/2024 11:51   R345844		*	0	1.00		6.73		1	04/09/2024 11:56	R345986
Total Dissolved Solids         NELAP         40         50         4580         mg/L         2.5         04/15/2024 11:51         R345844           SW-846 9036 (TOTAL)           SW-846 9214 (TOTAL)           Fluoride         NELAP         0.04         0.10         0.17         mg/L         1         04/15/2024 12:42         R345765           SW-846 9215 (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         04/10/2024 12:32         221211           SW-846 3005A, 6020A, METALS BY ICP (TOTAL)           Calcium         NELAP         0.035         0.100         437         mg/L         1         04/10/2024 12:32         221211           SW-846 3005A, 6020A, METALS BY ICP (TOTAL)         VIVA         1         0         437         mg/L         5         04/17/2024 12:32         221211           Antimony         NELAP         0.4         1.0         ✓         1.0         µg/L         5         04/13/		C (TOTAL) 1997	2011							
Sulfate NELAP 614 1000 2890 mg/L 100 04/10/2024 17:50 R345620  SW-846 9214 (TOTAL) Fluoride NELAP 5 40 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 R345620  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 ICP (TOTAL) Arsenic NELAP 0.4 1.0 J 0.5 μg/L 5 04/17/2024 14:13 221211  Arsenic NELAP 0.7 1.0 J 0.5 μg/L 5 04/17/2024 14:13 221211  Barium NELAP 0.7 1.0 4.5 μg/L 5 04/16/2024 16:22 221211  Beryllium NELAP 0.2 1.0 4.10 μg/L 5 04/16/2024 18:13 221211  Boron NELAP 0.2 1.0 4.10 μg/L 5 04/16/2024 18:13 221211  Boron NELAP 0.2 1.0 4.10 μg/L 5 04/16/2024 18:13 221211  Cadmium NELAP 0.2 1.0 4.10 μg/L 5 04/16/2024 18:13 221211  Cadmium NELAP 0.2 1.0 4.10 μg/L 5 04/16/2024 11:39 221211  Cobalt NELAP 0.1 1.0 J 0.2 4.0 μg/L 5 04/16/2024 11:39 221211  Lithium * NELAP 0.1 1.0 J 0.2 μg/L 5 04/16/2024 11:39 221211  Lead NELAP 0.1 1.0 J 0.2 μg/L 5 04/16/2024 11:39 221211  Lead NELAP 0.1 1.0 J 0.2 μg/L 5 04/16/2024 11:39 221211  Lithium * 1.4 3.0 98.4 μg/L 5 04/16/2024 0:40 221211  Lithium * NELAP 0.6 1.0 4.10 μg/L 5 04/16/2024 0:40 221211  Selenium NELAP 0.6 1.5 J 1.5 μg/L 5 04/16/2024 0:40 221211  Selenium NELAP 0.6 1.5 J 1.5 μg/L 5 04/16/2024 0:40 221211  Selenium NELAP 0.6 1.5 J 1.5 μg/L 5 04/16/2024 0:40 221211  Selenium NELAP 0.6 1.5 J 1.5 μg/L 5 04/16/2024 0:40 221211  Selenium NELAP 0.6 1.5 J 1.5 μg/L 5 04/16/2024 0:40 221211  Selenium NELAP 0.6 1.5 J 1.5 μg/L 5 04/16/2024 0:40 221211  Selenium NELAP 0.6 1.5 J 1.5 μg/L 5 04/16/2024 0:40 221211  Selenium NELAP 0.6 1.5 J 1.5 μg/L 5 04/16/2024 0:40 221211  Selenium NELAP 0.6 1.5 J 1.5 μg/L 5 04/16/2024 0:40 221211  Selenium NELAP 0.6 1.5 J 1.5 μg/L 5 04/16/2024 0:40 221211  Selenium NELAP 0.6 1.5 J 1.5 μg/L 5 04/16/2024 0:40 221211  Selenium NELAP 0.6 1.5 J 1.5 μg/L 5 04/16/2024 0:40 221211  Selenium NELAP 0.6 1.5 Sample results are below the reporting limit. Data is reportable per the TNI standard.			•	50		4580	mg/L	2.5	04/15/2024 11:51	R345844
Sulfate         NELAP         614         1000         2890         mg/L         100         04/10/2024 17:50         R345620           SW-846 9214 (TOTAL)           Flooride         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)         USAGA         0.035         0.100         437         mg/L         1         04/10/2024 17:45         R345623           SW-846 3005A, 6010B, METALS BY ICPMS************************************	SW-846 9036 (TOTAL)						J			
SW-846 9214 (TOTAL)   Fluoride   NELAP   0.04   0.10   0.17   mg/L   1   04/15/2024 12:42   R345765   R345765   R346 9251 (TOTAL)   NELAP   5   40   77   mg/L   10   04/10/2024 17:45   R345623   R345623   R3456305A, 6010B, METALS BY ICP (TOTAL)   R346 3005A, 6010B, METALS BY ICPMS (TOTAL)   R346 3005A, 6020A, METALS BY ICPMS (TOTAL)   R346 3005A, 6020A, METALS BY ICPMS (TOTAL)   R346 3005A, 6020A, METALS BY ICPMS (TOTAL)   R346 3005A, 6020A, METALS BY ICPMS (TOTAL)   R346 3005A, 6020A, METALS BY ICPMS (TOTAL)   R346 3005A, 6020A, METALS BY ICPMS (TOTAL)   R346 3005A, 6020A, METALS BY ICPMS (TOTAL)   R346 3005A, 6020A, METALS BY ICPMS (TOTAL)   R346 3005A, 6020A, METALS BY ICPMS (TOTAL)   R347	-	NELAP	614	1000		2890	ma/L	100	04/10/2024 17:50	R345620
Fluoride			• • • • • • • • • • • • • • • • • • • •				9/ =		0.17.107_0_1.11.100	. 10 10020
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         04/16/2024 11:39         221211           Arsenic         NELAP         0.4         1.0         J         0.5         µg/L         5         04/16/2024 11:39         221211           Barium         NELAP         0.7         1.0         8.5         µg/L         5         04/16/2024 0:40         221211           Boron         NELAP         0.2         1.0         < 1.0		NFI AP	0.04	0.10		0.17	ma/l	1	04/15/2024 12:42	R345765
Chloride         NELAP         5         40         77         mg/L         10         04/10/2024 17:45         R345623           SW-846 3005A, 6010B, METALS BY ICP (TO⊤AL)           Calcium         NELAP         0.035         0.100         437         mg/L         1         04/12/2024 12:32         221211           SW-846 3005A, 6020A, METALS BY ICPMS (TO⊤AL)           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         04/16/2024 14:13         221211           Barium         NELAP         0.7         1.0         8.5         µg/L         5         04/16/2024 11:39         221211           Boron         NELAP         0.2         1.0         < 1.0         µg/L         5         04/16/2024 0:40         221211           Cadmium         NELAP         0.2         1.0         < 1.0         µg/L         5         04/13/2024 11:39         221211           Chromium         NELAP         0.1         1.0         J         0.2         µg/L         5         04/13/2024 11:39		14221	0.01	0.10		0	9, _	•	0 17 10/2021 12:12	110 107 00
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 18:27         221211           Boron         NELAP         0.2         1.0         < 1.0         µg/L         5         04/16/2024 0:40         221211           Cadmium         NELAP         0.2         1.0         < 1.0         µg/L         5         04/13/2024 11:39         221211           Cobalt         NELAP         0.7         1.5         < 1.5         µg/L         5         04/13/2024 11:39         221211 </td <td>-</td> <td>NEI AP</td> <td>5</td> <td>40</td> <td></td> <td>77</td> <td>ma/l</td> <td>10</td> <td>04/10/2024 17:45</td> <td>R345623</td>	-	NEI AP	5	40		77	ma/l	10	04/10/2024 17:45	R345623
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 0:40         221211           Beryllium         NELAP         0.2         1.0         < 1.0         µg/L         5         04/16/2024 0:40         221211           Boron         NELAP         0.2         1.0         < 1.0         µg/L         5         04/16/2024 0:40         221211           Cadmium         NELAP         0.2         1.0         < 1.0         µg/L         5         04/13/2024 11:33         221211           Chomium         NELAP         0.7         1.5         < 1.5         µg/L         5         04/13/2024 11:39         221211           Cobalt         NELAP         0.6				70			mg/L	10	04/10/2024 17:40	110-10020
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)   Antimony   NELAP   0.4   1.0	·	•	•	0.100		437	ma/l	1	04/12/2024 12:32	221211
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 0:40         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         04/13/2024 11:33         221211           Cadmium         NELAP         9.2         25.0         70.4         μg/L         5         04/13/2024 11:33         221211           Chromium         NELAP         0.2         1.0         < 1.0         μg/L         5         04/16/2024 0:40         221211           Cobalt         NELAP         0.1         1.0         J         0.2         μg/L         5         04/16/2024 0:40         221211           Lead         NELAP         0.6         1.0         < 1.0         μg/L         5				0.100		401	IIIg/L	'	04/12/2024 12:32	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 0:40         221211           Beryllium         NELAP         0.2         1.0         < 1.0	·	•	-	1.0		-10	ua/I	5	04/17/2024 14:13	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	•									
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					0					
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										
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	•									
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										
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										
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					J					
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 04/13/2024 11:39 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)										
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							. •	5		
Selenium         NELAP         0.6         1.0         < 1.0         μg/L         5         04/13/2024 11:39         221211           Thallium         NELAP         1.0         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)	Molybdenum	NELAP			J				04/13/2024 11:39	221211
Thallium NELAP 1.0 2.0 <a href="#">&lt; 2.0</a> 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)	Selenium	NELAP	0.6	1.0				5	04/13/2024 11:39	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)	Thallium	NELAP	1.0	2.0				5	04/16/2024 0:40	221211
· · ·	CCV recovered outside the upper	control limits for E	e, Cr and	Pb. Sam	ple results			it. Data is	reportable per the TNI	standard.
· · ·	SW-846 7470A (TOTAL)									
Mercury NELAP 0.10 0.20 <b>&lt; 0.20</b> μg/L 1 04/12/2024 17:59 221268	Mercury	NELAP	0.10	0.20		< 0.20	μg/L	1	04/12/2024 17:59	221268

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND

NEW-257-501

NEW-257-501 http://www.teklabinc.com/

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, META	ALS BY ICP (TOT	AL)							
Calcium	NELAP	0.035	0.100		< 0.100	mg/L	1	04/11/2024 12:53	221254
SW-846 3005A, 6020A, META	ALS BY ICPMS (T	OTAL)							
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 u LCS recovered outside upper co	• •	•			, ,	•		e 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

TIVI Staridard.							
SW-846 7470A (TOTAL)							
Mercury	NELAP	0.10	0.20	< 0.20	μg/L	1	04/12/2024 18:01 221268



## **Sample Summary**

http://www.teklabinc.com/

Lab Sample ID	Client Sample ID	Matrix	Fractions	<b>Collection Date</b>
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



http://www.teklabinc.com/

Client: Ramboll Work Order: 24031341

Client Project: NEW-24Q2 Report Date: 14-May-24

	SampType:	LCS		Units µS/cr	n						
SampID: LCS-1		a	D.		<b>5</b> 1	a	CDK Dat Val	0/ DEC	Laur Lineit	I li ada I inait	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	
Spec. Conductance, Fie	eld	*	0		1410	1412	0	100.1	90	110	04/02/2024
Batch R345986 S SampID: LCS-10	SampType:	LCS		Units <b>µS/cr</b>	n						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Fie	eld	*	0		1410	1412	0	99.9	90	110	04/08/2024
Batch R345986 S	SampType:	LCS		Units µS/cr	n						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Fie	eld	*	0	Q uui	1400	1412	0	99.5	90	110	04/09/2024
Batch R345986 S	SampType:	LCS		Units µS/cr	n						
SampID: LCS-12				·							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Fie	eld	*	0		1410	1412	0	99.8	90	110	04/10/2024
2411111	SampType:	LCS		Units µS/cn	n						
SampID: LCS-2 Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Fie	eld	*	0	Quai	1410	1412	0	100.1	90	110	04/03/2024
T	`	1.00		Llaita v <b>O</b> lam	_						
Batch R345986 S SampID: LCS-3	SampType:	LUS		Units <b>µS/cr</b>	1						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Fie	eld	*	0		1410	1412	0	100.0	90	110	04/04/2024
Batch R345986 S SampID: LCS-4	SampType:	LCS		Units µS/cr	n						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Fie	eld	*	0		1410	1412	0	100.0	90	110	04/08/202
Batch R345986 S	SampType:	LCS		Units µS/cr	n						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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Client: Ramboll Work Order: 24031341

Client Project: NEW-24Q2 Report Date: 14-May-24

STANDARD MET	HODS 2510 B	B FIELD									
Batch R345986	SampType:	LCS		Units µS/cı	n						
SampID: LCS-6											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance,	Field	*	0		1410	1412	0	100.0	90	110	04/10/202
Batch R345986	SampType:	LCS		Units µS/cı	n						
SampID: LCS-7		_					0014.0.414	0/ DE0		110 1 10 10	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	•
Spec. Conductance,	Field	*	0		1410	1412	0	100.0	90	110	04/02/202
Batch R345986	SampType:	LCS		Units µS/cı	n						
SampID: LCS-8											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance,	Field	*	0		1410	1412	0	99.9	90	110	04/03/202
Batch R345986	SampType:	LCS		Units µS/cı	n						
SampID: LCS-9											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance,	Field	*	0		1410	1412	0	99.7	90	110	04/04/202
SW-846 9040B FI	ELD										
Batch R345986 SampID: LCS-1	SampType:	LCS		Units							Data
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
рН		*	1.00	-	7.01	7.000	0	100.1	98.57	101.4	04/02/202
Batch R345986	SampType:	LCS		Units							
SampID: LCS-10											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.01	7.000	0	100.1	98.57	101.4	04/08/202
Batch R345986	SampType:	LCS		Units							
											Date
SampID: LCS-11 Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed



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SW-846 9040B FI	ELD										
Batch R345986 SampID: LCS-12	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.01	7.000	0	100.1	98.57	101.4	04/10/202
Batch R345986 SampID: LCS-2	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.01	7.000	0	100.1	98.57	101.4	04/03/202
Batch R345986 SampID: LCS-3	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		6.99	7.000	0	99.9	98.57	101.4	04/04/202
Batch R345986 SampID: LCS-4	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pH		*	1.00		7.05	7.000	0	100.7	98.57	101.4	04/08/202
Batch R345986 SampID: LCS-5	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pН		*	1.00		7.02	7.000	0	100.3	98.57	101.4	04/09/202
Batch R345986 SampID: LCS-6	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.07	7.000	0	101.0	98.57	101.4	04/10/202
Batch R345986 SampID: LCS-7	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.08	7.000	0	101.1	98.57	101.4	04/02/202
Batch R345986 SampID: LCS-8	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pH		*	1.00		7.02	7.000	0	100.3	98.57	101.4	04/03/202



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SW-846 9040B FIELD											
Batch R345986 SampID: LCS-9	ampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pH		*	1.00		7.01	7.000	0	100.1	98.57	101.4	04/04/202
EPA 1664A											
Batch R345389 SampID: MBLK	ampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Hexane Extractable Mate	erial		5		< 5	4.400	0	0	-100	100	04/05/202
Batch R345389 SampID: LCS	ampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Hexane Extractable Mate	erial		5		43	40.00	0	108.5	78	114	04/05/202
Batch R345389 SampID: 24040081-002	ampType: 2DMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Hexane Extractable Mate	erial		4		25	31.69	0	78.2	78	114	04/05/202
Batch R345389 Sa SamplD: 24040123-001	ampType:	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Hexane Extractable Mate	erial		5	S	25	38.18	0	64.8	78	114	04/05/202
Batch R345686 Sa SamplD: MBLK	атрТуре:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Hexane Extractable Mate	erial		5		< 5	4.400	0	0	-100	100	04/10/202
Batch R345686 Sa	ampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Hexane Extractable Mate	erial		5		41	40.00	0	103.0	78	114	04/10/202



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Client: Ramboll Work Order: 24031341

Client Project: NEW-24Q2 Report Date: 14-May-24

EPA 1664A											
Batch R345686	SampType:	MS		Units mg/L							
SampID: 24040573-0	01AMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Hexane Extractable Ma	terial		6	S	37	45.07	6.655	68.2	78	114	04/10/2024
241111	SampType:	MBLK		Units mg/L							
SampID: MBLK Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Ma	terial		5	<b>V</b>	< 5	4.400	0	0	-100	100	04/12/2024
Batch R345714 :	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Hexane Extractable Ma	terial		5		37	40.00	0	91.8	78	114	04/12/2024
<b>Batch R345714</b> SampID: 24040747-00	SampType: 01CMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Hexane Extractable Ma	terial		4	S	28	32.15	4.628	72.1	78	114	04/12/2024
Batch R345847 SampID: MBLK2	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Hexane Extractable Ma	terial		5		< 5	4.400	0	0	-100	100	04/16/2024
Batch R345847 SampID: LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Hexane Extractable Ma	terial		5		36	40.00	0	88.8	78	114	04/15/2024
<b>Batch R345847</b> SampID: 24040870-00		MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Hexane Extractable Ma	terial		6		49	44.41	0	109.8	78	114	04/15/2024



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EPA 600 350.1 (DISSOLVED)										
Batch         R345348         SampType:           SampID:         24031341-043GMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	mit <b>10</b>	
SampID: 24031341-043GMSD						00110 1111		555 5 ()		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		-
Nitrogen, Ammonia (as N)		1.00		23.7	20.00	4.964	93.8	23.41	1.34	04/05/202
<b>Batch R345719 SampType:</b> SampID: 24031341-029GMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.98	2.000	0.06600	95.6	90	110	04/12/202
Batch R345719 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24031341-029GMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.97	2.000	0.06600	95.0	1.978	0.61	04/12/202
Batch R345719 SampType:	MS		Units mg/L							
SampID: 24031341-030GMS						00//0 ///				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	·
Nitrogen, Ammonia (as N)		0.10		1.89	2.000	0	94.4	90	110	04/12/202
Batch R345719 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24031341-030GMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Ammonia (as N)	CCIT	0.10	Quai	1.88	2.000	0	94.2	1.889	0.27	04/12/202
EPA 600 350.1 (TOTAL)										
EPA 600 350.1 (TOTAL)  Batch R345235 SampType:  SampID: ICB/MBLK	MBLK		Units mg/L							Date
Batch R345235 SampType:	MBLK Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed



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Client: Ramboll Work Order: 24031341
Client Project: NEW-24Q2 Report Date: 14-May-24

**EPA 600 350.1 (TOTAL)** Units mg/L Batch R345235 SampType: LCS SampID: ICV/LCS Date Analyzed SPK Ref Val %REC Low Limit High Limit Cert RL Oual Result Spike Analyses 0.10 1.01 90 Nitrogen, Ammonia (as N) 1.000 0 101.4 110 04/03/2024 Batch R345235 SampType: Units mg/L SampID: 24032370-003DMS Date Analyzed %REC Low Limit High Limit SPK Ref Val Analyses Cert RLOual Result Spike 2.00 0.10 S 2.000 0.2290 90 04/03/2024 Nitrogen, Ammonia (as N) 88.8 110 Batch R345235 SampType: MSD Units mg/L RPD Limit 10 SampID: 24032370-003DMSD Date Analyzed SPK Ref Val %REC RPD Ref Val %RPD Analyses Cert RL Qual Result Spike 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: Units mg/L SampID: 24040044-009AMS Date Analyzed Spike SPK Ref Val %REC Low Limit High Limit Cert RL Qual Analyses Result Nitrogen, Ammonia (as N) 0.20 4.07 4.000 0.3480 90 110 04/03/2024 93.1 RPD Limit 10 Batch R345235 SampType: MSD Units mg/L SampID: 24040044-009AMSD Date Analyzed %REC SPK Ref Val RPD Ref Val %RPD RL Analyses Cert Qual Result Spike Nitrogen, Ammonia (as N) 0.20 4.09 4.000 0.3480 93.5 4.072 0.42 04/03/2024 Batch R345235 SampType: Units mg/L SampID: 24040062-007AMS Date Analyzed **RL** SPK Ref Val %REC Low Limit High Limit Cert Qual Result Analyses Spike 1.92 0.10 2.000 90 04/03/2024 Nitrogen, Ammonia (as N) 0.05700 93.4 110 RPD Limit 10 SampType: MSD Units mg/L Batch R345235 SampID: 24040062-007AMSD Date Analyzed SPK Ref Val %REC RPD Ref Val %RPD Analyses Cert RL Oual Result Spike Nitrogen, Ammonia (as N) 0.10 1.88 2.000 1.925 04/03/2024 0.05700 91.4 2.10 Batch R345235 SampType: MS Units mg/L SampID: 24040150-002BMS Date Analyzed SPK Ref Val %REC Low Limit High Limit RL Result Analyses Cert Qual Spike 0.10 2.54 2.000 90 110 04/03/2024 Nitrogen, Ammonia (as N) 0.6610 94.0



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EPA 600 350.1 (TOTAL)										
Batch R345235 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040150-002BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		2.54	2.000	0.6610	94.0	2.541	0.04	04/03/202
<b>Batch R345235 SampType:</b> SampID: 24040264-004HMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.88	2.000	0.08400	90.0	90	110	04/03/202
Batch R345235 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040264-004HMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.90	2.000	0.08400	91.0	1.883	1.11	04/03/202
Batch R345235 SampType:	MS		Units mg/L							
SampID: 24040293-002CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.95	2.000	0.06900	94.0	90	110	04/03/202
Batch R345235 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040293-002CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.97	2.000	0.06900	95.0	1.949	1.02	04/03/202
<b>Batch R345235 SampType</b> : SampID: 24040293-003AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10	S	1.87	2.000	0.1190	87.6	90	110	04/03/202
Batch R345235 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040293-003AMSD	C.	DY	0 1	D 1.	G '1	CDK D-£V-	0/ DEC	DDD D-417	ol 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va		
Nitrogen, Ammonia (as N)		0.10	S	1.90	2.000	0.1190	88.8	1.871	1.27	04/03/202
Batch R345348 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
/ ~ = ~	2011	0.10	4	< 0.10	0.0270		0	-100	100	04/05/202



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EPA 600 350.1 (TOTAL)										
Batch R345348 SampType: SampID: ICV/LCS	LCS		Units mg/L							Deta
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	<b>Q</b> 5.55	1.03	1.000	0	102.6	90	110	04/05/202
Batch         R345348         SampType:           SampID:         24040429-002CMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.88	2.000	0.04700	91.4	90	110	04/05/202
Batch R345348 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24040429-002CMSD	G .	DI	0 1	D 1:	G '1	CDI/ Dof Vol	%REC	DDD Def V	al 0/DDD	Date Analyzed
Analyses  Nitrogen Ammonio (co. N)	Cert	RL 0.10	Qual	Result	Spike 2.000	SPK Ref Val		RPD Ref V		•
Nitrogen, Ammonia (as N)		0.10		1.90	2.000	0.04700	92.4	1.876	1.01	04/05/202
Batch R345348 SampType:	MS		Units mg/L							
SampID: 24040447-002BMS	<b>a</b>	D.1	0.1	<b>5</b> 1	a	CDK Dat Val	0/ DEC	Laure Linais	I limb I imit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Ammonia (as N)		0.10		3.21	2.000	1.363	92.2	90	110	04/05/202
Batch R345348 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040447-002BMSD	<b>a</b> .	D.1	0 1	<b>D</b>	a	CDI/ Dof Vol	0/ DEC	DDD Def \/	al 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		•
Nitrogen, Ammonia (as N)		0.10		3.23	2.000	1.363	93.4	3.208	0.71	04/05/202
Batch         R345348         SampType:           SampID:         24040458-005AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.95	2.000	0.1140	91.6	90	110	04/05/202
Batch         R345348         SampType:           SampID:         24040458-005AMSD	MSD		Units mg/L					RPD Lir	nit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10	-	1.95	2.000	0.1140	91.7	1.946	0.10	04/05/202
<b>Batch R345348 SampType:</b> SampID: 24040472-001BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	COIL	111	Yuui	robuit	Spire				-	



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Ratch R345348 SampType:	MSD		Units mg/L					RPD Lir	mit 10	
<b>Batch R345348 SampType:</b> SampID: 24040472-001BMSD	INIOD		Offics Hig/L					KPD LII	THE TO	5.
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Ammonia (as N)	Cort	0.10	Quai	2.10	2.000	0.2540	92.5	2.115	0.52	04/05/202
Batch         R345348         SampType:           SampID:         24040517-002CMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.88	2.000	0	94.2	90	110	04/05/202
<b>Batch R345348 SampType:</b> SampID: 24040517-002CMSD	MSD		Units mg/L					RPD Lir	mit <b>10</b>	_
·	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Analyses  Nitrogen, Ammonia (as N)	Cert	0.10	Quai	1.88	2.000	0	94.0	1.884	0.21	04/05/202
Tritiogari, Arrimonia (as TV)		0.10		1.00	2.000	Ü	54.0	1.004	0.21	04/03/202
Batch R345544 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	04/10/202
Batch R345544 SampType:	LCS		Units mg/L							
SampID: ICV/LCS	Cont	DI	01	D14	C:1	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses Nitrogen, Ammonia (as N)	Cert	RL 0.10	Qual	Result	Spike 1.000	0	99.8	90	110	04/10/202
Tritiogen, Aminonia (as Tr)		0.10		1.00	1.000	Ü	55.0	30	110	0-7/10/202
Batch         R345544         SampType:           SampID:         24040686-004AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		2.81	2.000	0.9240	94.2	90	110	04/10/202
Batch R345544 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24040686-004AMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Ammonia (as N)	COIT	0.10	Quai	2.83	2.000	0.9240	95.2	2.807	0.75	04/10/202
Batch R345544 SampType:	MS		Units mg/L							
SampID: 24040791-007BMS			J							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
										04/10/202



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EPA 600 350.1 (TOTAL)										
Batch R345544 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040791-007BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.96	2.000	0.05700	95.2	1.916	2.27	04/10/202
Batch R345719 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	04/12/202
Batch R345719 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10	Q uui	1.01	1.000	0	100.6	90	110	04/12/202
<b>Batch R345719 SampType:</b> SampID: 24040821-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)	CCIT	0.10	Quai	1.83	2.000	0	91.7	90	110	04/12/202
Batch R345719 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040821-001AMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Ammonia (as N)	CCIT	0.10	Quai	1.85	2.000	0	92.4	1.833	0.76	04/12/202
Batch         R345719         SampType:           SampID:         24040850-002CMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		1.00		26.4	20.00	7.802	92.8	90	110	04/12/202
Batch R345719 SampType: SampID: 24040850-002CMSD	MSD		Units mg/L					RPD Lir	nit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		1.00	•	26.6	20.00	7.802	93.8	26.36	0.73	04/12/202
<b>Batch</b> R345719 SampType: SampID: 24040870-001GMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
				2.40	2.000	0.5860	90.8	90	110	04/12/202



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EPA 600 350.1 (TOTAL)  Batch R345719 SampType:	MSD		Units mg/L					RPD Lir	nit 10	
SamplD: 24040870-001GMSD	WIGD		Office Hig/L					INI D LII	11110	Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Ammonia (as N)	COIT	0.10	Q uui	2.45	2.000	0.5860	93.0	2.403	1.77	04/12/202
Batch R345719 SampType:	MS		Units mg/L							
SampID: 24040922-009DMS	_			_		0DK D () ( )	0/ DE 0		11: 1 1: %	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	•
Nitrogen, Ammonia (as N)		0.10		1.93	2.000	0.08000	92.6	90	110	04/12/202
<b>Batch R345719 SampType:</b> SampID: 24040922-009DMSD	MSD		Units mg/L					RPD Lir	nit <b>10</b>	Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Ammonia (as N)	COIT	0.10	Quui	1.92	2.000	0.08000	92.0	1.931	0.52	04/12/202
Batch R345719 SampType:	MS		Units mg/L							
SampID: 24040925-003AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.87	2.000	0	93.4	90	110	04/12/202
Batch R345719 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040925-003AMSD	<b>a</b> .	DI	0 1	<b>D</b> 1.	g '1	SPK Ref Val	%REC	RPD Ref V	al 0/ PDD	Date Analyzed
Analyses Nitrogen, Ammonia (as N)	Cert	RL 0.10	Qual	Result	Spike 2.000	0	94.5	1.868	1.17	04/12/202
Nitrogen, Aminonia (as N)		0.10		1.09	2.000	U	94.5	1.000	1.17	04/12/202
Batch         R345719         SampType:           SampID:         24040973-004BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.82	2.000	0	90.8	90	110	04/12/202
	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
<b>Batch</b> R345719 <b>SampType</b> :					G '1	CDK D-f \/-l	%REC	RPD Ref V	al 0/ DDD	Date Analyzed
SampID: 24040973-004BMSD	Cert	RI.	Qual	Result	Snike	SPK Ref val			ai 70KFD	
	Cert	RL 0.10	Qual	Result	2.000	SPK Ref Val	92.8	1.817	2.12	04/12/202
SampID: 24040973-004BMSD  Analyses  Nitrogen, Ammonia (as N)  Batch R345719 SampType:			Qual Units mg/L							04/12/202
SampID: 24040973-004BMSD  Analyses  Nitrogen, Ammonia (as N)										04/12/202 Date Analyzed



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D 1 D045740 CommTunes	MCD		Linite menti					DDD Lie	-: 40	
<b>Batch R345719 SampType:</b> SampID: 24040973-010BMSD	MSD		Units mg/L					RPD Lin	nit <b>10</b>	_
·	C	DI	0 .1	D 1	011	SPK Ref Val	%REC	RPD Ref Va	al % PDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike					,
Nitrogen, Ammonia (as N)		0.10		2.31	2.000	0.4780	91.6	2.321	0.48	04/12/202
<b>Batch R345719 SampType:</b> SampID: 24040983-011CMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.96	2.000	0.1070	92.8	90	110	04/12/202
Batch R345719 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040983-011CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.97	2.000	0.1070	93.0	1.962	0.20	04/12/202
Batch R345719 SampType:	MS		Units mg/L							
SampID: 24040996-002BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		3.58	2.000	1.718	93.2	90	110	04/12/202
Batch R345719 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24040996-002BMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Nitrogen, Ammonia (as N)	Cort	0.10	Quui	3.58	2.000	1.718	93.2	3.583	0.06	04/12/202
Batch R345719 SampType:	MS		Units mg/L							
SampID: 24041070-002CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.94	2.000	0.07100	93.5	90	110	04/12/202
Batch R345719 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24041070-002CMSD										Date
	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Analyses				1.92	2.000	0.07100	92.6	1.941	0.98	04/12/202
Analyses Nitrogen, Ammonia (as N)		0.10		1.02	2.000					
Nitrogen, Ammonia (as N)  Batch R345719 SampType:	MS	0.10	Units mg/L	1.02	2.000					Date
	MS Cert	0.10	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed



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Batch R345719 SampType:	MSD		Units mg/L					RPD Lir	nit 10	
SamplD: 24041107-002GMSD	WOD		Office HighL					I TO EII	1 <b>0</b>	Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		2.34	2.000	0.4650	93.8	2.361	0.81	04/12/202
Batch R345771 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	04/15/202
Batch R345771 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.03	1.000	0	103.1	90	110	04/15/202
<b>Batch R345771 SampType:</b> SampID: 24041165-001AMS	MS	<b>D.</b>	Units mg/L	5	a	CDK D-4 V-I	0/DEC	1 1 1	I limb I insis	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	•
Nitrogen, Ammonia (as N)		1.00		29.4	20.00	10.68	93.5	90	110	04/15/202
Batch R345771 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24041165-001AMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00	<b>Q</b> 3.3.2	29.1	20.00	10.68	92.2	29.37	0.90	04/15/202
<b>Batch R345771 SampType:</b> SampID: 24041166-004AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.87	2.000	0.03700	91.6	90	110	04/15/202
<b>Batch R345771 SampType:</b> SampID: 24041166-004AMSD	MSD		Units mg/L					RPD Lir	mit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10	-	1.85	2.000	0.03700	90.6	1.868	1.08	04/15/202
<b>Batch R345771 SampType:</b> SampID: 24041167-010AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
T III a 1 y 5 C 5	0010		¥ 0		Spine					



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Batch R345771 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24041167-010AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		2.06	2.000	0.2160	92.1	2.040	0.88	04/15/2024
<b>Batch R345771 SampType:</b> SampID: 24041187-005DMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.92	2.000	0.06100	92.8	90	110	04/15/2024
Batch R345771 SampType: SampID: 24041187-005DMSD	MSD		Units mg/L					RPD Lir	nit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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:           SampID:         24041187-011DMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.90	2.000	0	95.2	90	110	04/15/2024
<b>Batch R345771 SampType:</b> SampID: 24041187-011DMSD	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Ammonia (as N)	CCIT	0.10	Quai	1.90	2.000	0	95.2	1.905	0.05	04/15/2024
<b>Batch R345771 SampType:</b> SampID: 24041193-003CMS	MS		Units mg/L							Date
	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Analyses	Cert									
Analyses Nitrogen, Ammonia (as N)	Cert	0.10		4.84	2.000	2.873	98.2	90	110	04/15/202
Nitrogen, Ammonia (as N)  Batch R345771 SampType:		0.10	Units mg/L	4.84	2.000	2.873	98.2	90 RPD Lir	-	04/15/202
Nitrogen, Ammonia (as N)		0.10	Units mg/L Oual	Result	2.000 Spike	2.873 SPK Ref Val	98.2 %REC		nit <b>10</b>	04/15/202  Date Analyzed



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EPA 600 365.4 (TOTAL)										
	e: MBLK	ı	Units <b>mg/L</b>							
SampID: MBLK 240411 TP1										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phosphorus, Total (as P)		0.100		< 0.100	0.0660	0	0	-100	100	04/16/202
Batch 221308 SampTyl SampID: LCS 240411 TP1	oe: LCS	I	Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phosphorus, Total (as P)		0.100		0.968	1.000	0	96.8	85	115	04/16/202
Batch         221308         SampTyl           SampID:         24040920-005BMS	oe: MS	I	Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phosphorus, Total (as P)		0.100		2.28	1.000	1.257	101.9	85	115	04/16/202
Batch 221308 SampTy	oe: MSD	l	Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24040920-005BMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Phosphorus, Total (as P)	Cort	0.100	Quui	2.27	1.000	1.257	101.3	2.276	0.26	04/16/20
Batch         221308         SampTyl           SampID:         24040943-001CMS	oe: MS	l	Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phosphorus, Total (as P)		0.100		1.26	1.000	0.2340	102.7	85	115	04/16/202
<b>Batch 221308 SampTy</b>   SampID: 24040943-001CMSD	pe: MSD	I	Units mg/L					RPD Lir	mit <b>15</b>	
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Phosphorus, Total (as P)	Cort	0.100	Çuui	1.25	1.000	0.2340	101.3	1.261	1.12	04/16/202
STANDARD METHODS 254	10 C (TOTAL	) 1997, :	2011							
	pe: MBLK		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
/			¥ 57474		~ >				_	



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Batch R345269	SampType:	LCS		Units mg/L							
SampID: LCS											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids	5		20		942	1000	0	94.2	90	110	04/03/2024
Batch R345269	SampType:	DUP		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040064-	001ADUP										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids	5		50		345				345.0	0.00	04/03/2024
Batch R345345 SampID: MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids	3		20		< 20	16.00	0	0	-100	100	04/04/2024
Batch R345345 SampID: LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids	3		20		926	1000	0	92.6	90	110	04/04/2024
Batch R345345	SampType:	DUP		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040307-	001ADUP										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids	6		50	Н	1980				2010	1.25	04/04/2024
Batch R345434 SampID: MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids	S	COIT	20	V uu1	< 20	16.00	0	0	-100	100	04/05/2024
Total Dissolved Solids	5		20		< 20	16.00	0	0	-100	100	04/05/2024
Batch R345434 SampID: LCS	SampType:		Di	Units mg/L	Dogult	Cm:1	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses Total Dissalved Solids		Cert	RL	Qual	Result	Spike					•
Total Dissolved Solids			20		932	1000	0	93.2	90	110	04/05/2024
Total Dissolved Solids	5		20		908	1000	0	90.8	90	110	04/05/2024



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STANDARD METHODS 2540 C Batch R345434 SampType:			Units ma/L		RPD Limit 10					
			<b>g</b>							Date
	Cert	RI.	Qual	Result	Snike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
	CCIT	50	Quai	215	Брікс			200.0	7.23	04/05/2024
ampType:	DUP	Units mg/L RPD Limit 10				nit <b>10</b>				
2ADUP										Date
	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
		20		1110				1080	2.38	04/05/2024
ampType:	MBLK		Units mg/L							
										Date
	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
		20		< 20	16.00	0	0	-100	100	04/09/2024
	MBLK		Units mg/L							
0										Date
	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
		20		< 20	16.00	0	0	-100	100	04/09/2024
ampType:	LCS		Units mg/L							
		D.	0 1	<b>5</b> 1	a	CDI/ Dof Vol	0/ DEC	Lovelinoit	Lliab Limit	Date Analyzed
	Cert		Qual						-	•
		20		954	1000	0	95.4	90	110	04/09/2024
	DUP		Units mg/L					RPD Lir		
1ADUP	~				~	0DK D-(1)/-1	0/050	DDD D-()/	-1 0/DDD	Date Analyzed
1ADUP	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		Analyzed
1ADUP	Cert	RL 50	Qual	Result 3220	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD 0.00	Analyzed
ampType:			Qual Units mg/L		Spike	SPK Ref Val	%REC			Analyzed
	MBLK	50	Units <b>mg/L</b>	3220	·			3225	0.00	04/09/2024 Date
		50 RL		3220 Result	Spike	SPK Ref Val	%REC	3225 Low Limit	0.00 High Limit	Analyzed 04/09/2024 Date Analyzed
	MBLK	50	Units <b>mg/L</b>	3220	·			3225	0.00	Analyzed 04/09/2024 Date
	sampType: campType: campType: campType: campType:	Cert  CampType: DUP  2ADUP  Cert  Cert  Cert  Cert  Cert  Cert  Cert  Cert  Cert  Cert  Cert	Cert RL 50  SampType: DUP  2ADUP  Cert RL 20  SampType: MBLK  Cert RL 20  SampType: MBLK  Cert RL 20  Cert RL 20  Cert RL 20  Cert RL 20  Cert RL 20	Cert RL Qual 50  CampType: DUP Units mg/L 2ADUP  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual 20  Cert RL Qual	Cert   RL   Qual   Result   50   215	Cert   RL   Qual   Result   Spike   50   215	Cert   RL   Qual   Result   Spike   SPK Ref Val	Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC	Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val	Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD



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Analyses									210p011241	- I I I I I I I I I I I I I I I I I I I	
Samply   CS	STANDARD METHODS 2540	C (TOTAL	.) 1997	7, 2011							
Analyses		-	,	-							
Total Dissolved Solids	SampID: LCS										Date
Total Dissolved Solids   20   932   1000 0   93.2   90   110   04/7   Batch R345651   SampType:   DUP   Units mg/L   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Data   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Result   Spik	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Samp  Department   Samp  Sa	Total Dissolved Solids		20		1020	1000	0	102.0	90	110	04/10/202
Date	Total Dissolved Solids		20		932	1000	0	93.2	90	110	04/10/202
Analyses		DUP		Units mg/L					RPD Lir	mit <b>10</b>	
Total Dissolved Solids	SampID: 24031341-031ADUP										Date
Batch R345651   SampType:   DUP	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Date	Total Dissolved Solids		20		3190				3212	0.62	04/10/202
Analyses		DUP		Units mg/L					RPD Lir	mit <b>10</b>	_
Total Dissolved Solids   50   2600   2385   8.43   04/19	•	Cont	DI	01	D 14	C:1	SDK Ref Val	%PEC	PPD Pof \/	al %PDD	Date Analyzed
Batch R345707 SampType:         MBLK         Units mg/L         Date of the part of the		Cert		Quai		Spike	of Kitter var	/orceo			04/10/202
Date	Total Dissolved Solids		50		2600				2300	0.43	04/10/202
Analyses		MBLK		Units mg/L							
Total Dissolved Solids 20 <20 16.00 0 0 -100 100 04/1  Batch R345707 SampType: LCS Units mg/L  Total Dissolved Solids 20 928 1000 0 92.8 90 110 04/1  Batch R345707 SampType: DUP Units mg/L  SampID: 24040913-009ADUP  Analyses Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit 10  Batch R345707 SampType: DUP Units mg/L  SampID: 24040913-009ADUP  Analyses Cert RL Qual Result Spike SPK Ref Val REC RPD Ref Val RPD  Analyses Cert RL Qual Result Spike SPK Ref Val REC RPD Ref Val RPD  Date Analyses Cert RL Qual Result Spike SPK Ref Val REC RPD Ref Val RPD  Date Analyses Cert RL Qual Result Spike SPK Ref Val REC RPD Ref Val RPD  Date Analyses Cert RL Qual Result Spike SPK Ref Val REC RPD Ref Val RPD  Date Analyses Cert RL Qual Result Spike SPK Ref Val REC RPD Ref Val RPD  Date Analyses Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val Rec Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val Rec Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val Rec Low Limit High Limit Analyses Cert RL Qual Result Sp	Sampid: MBLK										Date
Total Dissolved Solids   20	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Batch R345707 SampType: LCS         Units mg/L           SampID: LCS         LCS         Units mg/L         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyses         90         110         04/1           Total Dissolved Solids         20         924         1000         0         92.4         90         110         04/1           Batch R345707         SampType:         DUP         Units mg/L         Properties         RPD Limit         10           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyses         04/1           Batch R345767         SampType:         MBLK         Units mg/L         SampType:         MBLK         Units mg/L         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyses           Total Dissolv	Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	04/11/202
SamplD: LCS   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   Nalyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %REC   RPD Re	Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	04/11/202
Analyses	Batch R345707 SampType:	LCS		Units mg/L							
Total Dissolved Solids   20   928   1000   0   92.8   90   110   04/1	SampID: LCS										Date
Total Dissolved Solids   20   924   1000   0   92.4   90   110   04/12	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Batch R345707         SampType: DUP         Units mg/L         RPD Limit 10           SampID: 24040913-009ADUP         Date Analyses         Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD         RPD Ref Val %RPD           Total Dissolved Solids         50         3540         3545         0.28         04/1           Batch R345767         SampType: MBLK         Units mg/L         SampID: MBLK         Date Analyses         Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit         Date Analyses           Total Dissolved Solids         20         <20	Total Dissolved Solids		20		928	1000	0	92.8	90	110	04/11/202
SampID: 24040913-009ADUP           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyses           Total Dissolved Solids         50         3540         3545         0.28         04/1           Batch R345767         SampType:         MBLK         Units mg/L	Total Dissolved Solids		20		924	1000	0	92.4	90	110	04/11/202
SampID: 24040913-009ADUP           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyses           Total Dissolved Solids         50         3540         3545         0.28         04/1           Batch R345767         SampType:         MBLK         Units mg/L         Units mg/L         Units mg/L         Units mg/L         Units mg/L         Date Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyses         Total Dissolved Solids         20         <20	Batch R345707 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyses           Total Dissolved Solids         50         3540         3545         0.28         04/1           Batch R345767         SampType:         MBLK         Units mg/L         Value	SampID: 24040913-009ADUP										Date
Total Dissolved Solids         50         3540         3545         0.28         04/1           Batch R345767 SampType: MBLK         Units mg/L           SampID: MBLK         Date Analyses         Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit         High Limit         Analyses         20         < 20         16.00         0         0         -100         100         04/1	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
SampID: MBLK  Analyses Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyses 20 < 20 16.00 0 0 -100 100 04/1									3545	0.28	04/11/202
Analyses Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyses  Total Dissolved Solids 20 <20 16.00 0 0 -100 100 04/1		MBLK		Units mg/L							
Total Dissolved Solids 20 <20 16.00 0 0 -100 100 04/1		~	DY	6 1	D 1	G 11	CDIC D-£ V-1	0/ DEC	المناسية	High Line's	Date Analyzed
		Cert		Qual						Ū	•
Total Dissolved Solids 20 <20 16.00 0 0 -100 100 04/1							0	0			04/12/202
	Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	04/12/202



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Batch R345767 SampTy	oe: LCS		Units mg/L							
SampID: LCS Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids	Cert	20	Quai	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 SampTy	oe: MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
SampID: LCS	De: LCS	DI	Units mg/L	Result	Spiles	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses Total Dissolved Solids	Cert	RL 20	Qual	936	Spike 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 SampTyp	oe: DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24031341-004ADUP Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Total Dissolved Solids	CCIT	50	Quai	4380	Брікс		/	4280	2.31	04/15/2024
Batch         R345844         SampTyl           SampID:         24031341-030ADUP	oe: DUP		Units mg/L					RPD Lir	mit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids		200	•	4180				4140	0.96	04/15/2024
Batch R345844 SampTy SampID: 24031341-069ADUP	pe: DUP		Units mg/L					RPD Lir	mit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids		50		4480				4580	2.21	04/15/2024
Batch R345844 SampTy	oe: DUP		Units mg/L					RPD Lir	mit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
/ MIGH VOCO	Cuit	ILL	Ouai	Nosuit	DUILE					



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	40 C (TOTAL	) 199 <i>1</i>	, 2011							
Batch R345844 SampTy	pe: DUP		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24041187-007ADUF	)									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids		50		505				520.0	2.93	04/15/202
Batch R345963 SampTy SampID: MBLK	/pe: MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	04/17/202
Batch R345963 SampTy SampID: LCS	rpe: LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids		20		950	1000	0	95.0	90	110	04/17/202
Batch R345963 SampTy			Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24041299-001ADUF	)									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids		50		360				345.0	4.26	04/17/202
Batch R346369 SampTy SampID: MBLK	/pe: MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	04/25/202
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	04/25/202
Batch R346369 SampTy SampID: LCS	rpe: LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids		20		960	1000	0	96.0	90	110	04/25/202
Total Dissolved Solids		20		950	1000	0	95.0	90	110	04/25/202
	/pe: DUP		Units mg/L					RPD Lir	nit <b>10</b>	
	,									Date
SampID: 24041285-004ADUF Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	RPD Ref V	al %RPD	Analyzed



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Batch R346369 S	ampType:	DUP		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24042057-00	2ADUP			· ·							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Total Dissolved Solids		Cort	20	Quui	434	Брікс			436.0	0.46	04/25/2024
Batch R346521 S	ampType:	MBLK		Units mg/L							
SampID: MBLK				<b>3</b> -							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 S	ampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
	ampType:	DUP		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24042193-00	ZADUP	~				~	ODK D-( ) /-!	0/050	DDD D-()/	-I 0/DDD	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va		
Total Dissolved Solids			20		364				344.0	5.65	04/29/2024
2 411111	ampType:	DUP		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24042193-00 Analyses	4ADUP	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Total Dissolved Solids			50	<b>4</b>	260				245.0	5.94	04/29/2024
Batch R346581 S	ampType:	MBLK		Units mg/L							Date
		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Analyses											
Analyses  Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	04/30/2024



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	ampType:	LCS		Units mg/L							
SampID: LCS											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		940	1000	0	94.0	90	110	04/30/202
Total Dissolved Solids			20		952	1000	0	95.2	90	110	04/30/202
Batch R346581 SampID: 24042262-006	ampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
Analyses	J. 201	Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	RPD Ref V	al %RPD	Date Analyzed
Total Dissolved Solids		CCIT	20	Quai	600	Брікс		70	582.0	3.05	04/30/202
STANDARD METHO	DS 2540 E	1997, 20	11								
Batch R345633 SampID: MBLK	ampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Suspended Solids			6		< 6	4.000	0	0	-100	100	04/11/202
Total Suspended Solids			6		< 6	4.000	0	0	-100	100	04/11/202
Total Suspended Solids			6		< 6	4.000	0	0	-100	100	04/11/202
Total Suspended Solids			6		< 6	4.000	0	0	-100	100	04/11/202
Total Suspended Solids		*	0.5		< 0.5	0.3000	0	0	-100	100	04/11/202
Batch R345633 SamplD: LCS	атрТуре:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Suspended Solids			6		91	100.0	0	91.0	85	115	04/11/202
Total Suspended Solids			6		93	100.0	0	93.0	85	115	04/11/202
Total Suspended Solids			6		95	100.0	0	95.0	85	115	04/11/202
Total Suspended Solids			6		87	100.0	0	87.0	85	115	04/11/202
Batch R345633 SamplD: 24040921-002	ampType: 2ADUP	DUP		Units mg/L					RPD Lir	mit <b>5</b>	Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Suspended Solids			6		< 6	·			0	0.00	04/11/202
	ampType:	DUP		Units mg/L					RPD Lir	mit 5	
SampID: 24040943-001 Analyses	IADUP	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Total Suspended Solids			6		11				11.00	0.00	04/11/202



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Batch R345633 SampType:	DUP		Units mg/L					RPD Limit 5	
SampID: 24040977-002ADUP			•						Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RF	All
Total Suspended Solids		6	•	< 6				0 0.00	04/11/2024
Batch R345633 SampType:	DUP		Units mg/L					RPD Limit 5	
SampID: 24040978-001ADUP									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RF	D Analyzed
Total Suspended Solids		6		< 6				0 0.00	04/11/2024
<b>Batch R345633 SampType:</b> SampID: 24040978-002ADUP	DUP		Units mg/L					RPD Limit 5	5.
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	RPD Ref Val %RF	Date D Analyzed
Total Suspended Solids	CCIT	6	Quai	< 6	Spike	OTT.T.T.O. TO.	701.120	4.000 0.00	04/11/2024
Batch R345633 SampType:	DUP		Units mg/L					RPD Limit <b>5</b>	
SampID: 24040979-002ADUP	20.		oog/_					2 0	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RF	A
Total Suspended Solids		6	<b>V</b>	9				9.000 0.00	04/11/2024
Batch R345633 SampType:	DUP		Units mg/L					RPD Limit 5	
SampID: 24040982-001ADUP	<b>a</b> .	DI	0 1	D 1.	g ''	SPK Ref Val	0/ DEC	RPD Ref Val %RF	Date Analyzed
Analyses  Tetal Supported Salida	Cert *	RL	Qual	Result	Spike	SFN REI Vai	70KEC		
Total Suspended Solids		1.1		< 1.1				0 0.00	04/11/2024
<b>Batch R345633 SampType</b> : SampID: 24040983-002ADUP	DUP		Units mg/L					RPD Limit 5	Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RF	All
Total Suspended Solids	Cort	6	J	5	Брікс			4.000 0.00	04/11/2024
Batch R345633 SampType:	DUP		Units mg/L					RPD Limit 5	
Batch         R345633         SampType:           SampID:         24041020-004ADUP	DUP		Units mg/L						Date
	<b>DUP</b> Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	RPD Limit <b>5</b> RPD Ref Val %RF	A I I
SampID: 24041020-004ADUP		RL 353	_	Result 3060	Spike	SPK Ref Val	%REC		A I I
SampID: 24041020-004ADUP  Analyses  Total Suspended Solids  Batch R345633 SampType:	Cert		_		Spike	SPK Ref Val	%REC	RPD Ref Val %RF	PD Analyzed
SampID: 24041020-004ADUP  Analyses  Total Suspended Solids	Cert		Qual		Spike Spike			RPD Ref Val %RF 3188 4.13	04/11/202



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Batch R345233 SampType:	MBLK		Units mg/L							
SampID: MB-R345233	C and	DI	0.4	D 1	G'1	SPK Ref Val	0/ DEC	Low Limit	High Limit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike					-
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	04/03/2024
Batch R345233 SampType: SampID: LCS-R345233	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	97.2	90	110	04/03/2024
<b>Batch R345233 SampType:</b> SampID: 24031341-041BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	nit <b>10</b>	
SampID: 24031341-041BMSD Analyses	Cont	DI	Ougl	Dogult	Cnilco	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Nitrite (as N)	Cert	0.05	Qual	Result 0.48	Spike 0.5000		95.0	0.4530	4.74	04/03/202
Batch R345314 SampType:	MS		Units mg/L							
SampID: 24031341-023BMS						00// 0///				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	J	•
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	92.2	85	115	04/04/202
Batch         R345314         SampType:           SampID:         24031341-023BMSD	MSD		Units mg/L					RPD Lir	nit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	93.4	0.4610	1.29	04/04/202
	MS		Units mg/L							Date
	MS Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: 24031341-022BMS		RL 0.05	_	Result	Spike 0.5000		%REC 94.0	Low Limit 85	High Limit	
SampID: 24031341-022BMS  Analyses  Nitrogen, Nitrite (as N)  Batch R345513 SampType:			_		•				115	Analyzed
SampID: 24031341-022BMS  Analyses  Nitrogen, Nitrite (as N)	Cert		Qual		•			85	115	Analyzed



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Batch R345513 SampType:	MS		Units mg/L							
SampID: 24031341-070BMS						00//0 ///				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	
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 Lin	nit <b>10</b>	
SampID: 24031341-070BMSD  Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Nitrogen, Nitrite (as N)	Cort	0.05	Quai	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	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)	Cert	0.05	Quai	0.49	0.5000	0	97.2	85	115	04/10/2024
D045550 OverTver	1100		11-2- 0					DDD I.	-11 40	
<b>Batch R345579 SampType:</b> SampID: 24031341-001BMSD	MSD		Units mg/L					RPD Lin	nit <b>10</b>	Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	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	<b>a</b> .	DI	0 1	D 1.	g '1	SPK Ref Val	0/ DEC	Low Limit	High Limit	Date Analyzed
Analyses Nitrogen, Nitrite (as N)	Cert	RL 0.05	Qual	Result 0.45	Spike 0.5000		89.4	85	115	04/10/2024
Third (do 11)		0.00		0.10	0.0000	•	00.1	00	110	0 17 10/202 1
<b>Batch R345579 SampType:</b> SampID: 24031341-031BMSD	MSD		Units mg/L					RPD Lin	nit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
		0.05		0.42	0.5000	0	85.0	0.4470	5.05	04/10/2024
Nitrogen, Nitrite (as N)										
Nitrogen, Nitrite (as N)  Batch R345579 SampType: SampID: 24040873-002AMS	MS		Units mg/L							Date
Batch R345579 SampType:	MS Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
<b>Batch R345579 SampType:</b> SampID: 24040873-002AMS		RL 0.05	_	Result 0.60	Spike 0.5000	SPK Ref Val 0.1470	%REC 90.0	Low Limit 85	High Limit	
Batch R345579 SampType: SampID: 24040873-002AMS Analyses			_		•				115	Analyzed
Batch R345579 SampType: SampID: 24040873-002AMS  Analyses  Nitrogen, Nitrite (as N)	Cert		Qual		•			85	115	Analyzed



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STANDARD METHODS 4500-	NO2 B (TO	OTAL) 2	000, 2011							
Batch R345233 SampType:	MBLK	l	Jnits <b>mg/L</b>							
SampID: MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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: SampID: LCS	LCS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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: SampID: 24040311-001AMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0.03500	91.0	85	115	04/03/2024
Batch R345233 SampType:	MSD	l	Jnits mg/L					RPD Lin	nit <b>10</b>	
SampID: 24040311-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	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:           SampID:         24040380-001AMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.71	0.5000	0.2680	89.0	85	115	04/03/2024
Batch R345233 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lin	nit <b>10</b>	
SampID: 24040380-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va	al %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05	Е	0.73	0.5000	0.2680	92.0	0.7130	2.08	04/03/2024
Batch R345314 SampType: SampID: MBLK	MBLK	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	04/04/2024



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Batch R345314	SampType:	LCS		Units mg/L							
SampID: LCS											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)			0.05		0.29	0.3045	0	95.9	90	110	04/04/202
<b>Batch R345314</b> SampID: 24040481-0		MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)			0.05		0.66	0.5000	0.2080	89.6	85	115	04/04/202
241111	SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040481-0 Analyses	01AMSD	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Nitrite (as N)		CCIT	0.05	Quai	0.66	0.5000	0.2080	91.0	0.6560	1.06	04/04/202
Dutti	SampType:	MBLK		Units mg/L							
SampID: MBLK Analyses		Cert	RL	Ouel	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		Cert	0.05	Qual	< 0.05	0.0250	0	0	-100	100	04/09/202
Batch R345513	SampType:	LCS		Units mg/L							
SampID: LCS				·							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)			0.05		0.30	0.3045	0	97.2	90	110	04/09/202
Batch R345579 SampID: MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		2010	0.05	Z mmz	< 0.05	0.0250	0	0	-100	100	04/10/202
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	04/10/202
Batch R345579 SampID: LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)			0.05		0.30	0.3045	0	97.5	90	110	04/10/202



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Batch R345579 SampType:	MS		Units mg/L							
SampID: 24040860-002BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lim	nit <b>10</b>	
SampID: 24040860-002BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.45	0.5000	0.02300	85.2	0.4900	8.73	04/10/202
<b>Batch R345579 SampType:</b> SampID: 24040864-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05	Q trus	0.47	0.5000	0.01500	91.6	85	115	04/10/202
Batch R345579 SampType:	MSD		Units mg/L					RPD Lim	nit <b>10</b>	
SampID: 24040864-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.45	0.5000	0.01500	87.8	0.4730	4.10	04/10/202
Batch R345579 SampType:	MS		Units mg/L							
SampID: 24040947-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.60	0.5000	0.09400	101.0	85	115	04/10/202
Batch R345579 SampType:	MSD		Units mg/L					RPD Lim	nit <b>10</b>	
SampID: 24040947-001AMSD	<b>a</b> .	DI	0 1	D 1.	G '1	SPK Ref Val	0/ DEC	RPD Ref Va	.I 0/ DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike		%REC			
Nitrogen, Nitrite (as N)		0.05		0.56	0.5000	0.09400	93.0	0.5990	6.91	04/10/202
<b>Batch R345579 SampType:</b> SampID: 24040973-001AMS	MS		Units mg/L							Б.
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		97.2	85	115	04/10/202
Batch R345579 SampType:	MSD		Units mg/L					RPD Lim	nit <b>10</b>	
0 10 01010000 00111100										Date
SampID: 24040973-001AMSD										
SampID: 24040973-001AMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed



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STANDARD METHODS 4500-N	102 D (10	71AL) 2000, 2	.011						
Batch R345579 SampType:	MS	Units n	ng/L						
SampID: 24040973-009AMS									Date
Analyses	Cert	RL Qu	al Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05	0.48	0.5000	0	95.8	85	115	04/10/202
Batch R345579 SampType:	MSD	Units <b>n</b>	ng/L				RPD Lir	nit <b>10</b>	
SampID: 24040973-009AMSD	_				0DK D ()/ L	0/PE0	555 5 (V	L 0/DDD	Date Analyzed
Analyses	Cert	RL Qua		Spike		%REC	RPD Ref V		•
Nitrogen, Nitrite (as N)		0.05	0.48	0.5000	0	95.8	0.4790	0.00	04/10/202
STANDARD METHODS 4500-N	NO3 F (DI	SSOLVED) 20	000, 2011						
Batch R345261 SampType:	MS	Units n	ng/L						
SampID: 24031341-041BMS									Date
Analyses	Cert	RL Qua	al Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	0.294	0.2500	0.06600	91.2	85	115	04/03/202
Batch R345261 SampType:	MSD	Units <b>n</b>	ng/L				RPD Lir	nit <b>10</b>	
SampID: 24031341-041BMSD									Date
Analyses	Cert	RL Qua	al Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	0.290	0.2500	0.06600	89.6	0.2940	1.37	04/03/202
Batch R345358 SampType:	MS	Units n	ng/L						
SampID: 24031341-026BMS									Date
Analyses	Cert	RL Qua	al Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	0.378	0.2500	0.1330	98.0	85	115	04/04/202
Batch R345358 SampType:	MSD	Units <b>n</b>	ng/L				RPD Lir	nit <b>10</b>	
SampID: 24031341-026BMSD									Date
Analyses	Cert	RL Qua	al Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	0.375	0.2500	0.1330	96.8	0.3780	0.80	04/04/202
Batch R345595 SampType:	MS	Units <b>n</b>	ng/L						
SampID: 24031341-001BMS									Date
A1	Cert	RL Qua	al Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Analyses	Cert	KL Qu	ai Kesuit	Spike				•	



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Batch R345595 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24031341-001BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		4.16	1.250	2.953	96.6	4.131	0.70	04/10/202
Batch R345595 SampType:	MS		Units mg/L							
SampID: 24031341-055BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		1.14	1.250	0.05000	87.5	85	115	04/10/202
Batch R345595 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24031341-055BMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %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
<b>Batch R345665 SampType:</b> SampID: 24031341-025BMS		DI	Units mg/L	D. II	g :1	SPK Ref Val	0/ DEC	Low Limit	High Limit	Date Analyzed
Analyses	Cert	RL	Qual	0.225	Spike			Low Limit		04/11/202
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.225	0.2500	0	90.0	85	115	U4/ I I/2U2
Batch R345665 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24031341-025BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.227	0.2500	0	90.8	0.2250	0.88	04/11/202
STANDARD METHODS 4500-	NO3 F (TC	TAL)	2000, 2011							
<b>Batch</b> R345261 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate (as N)		0.050		< 0.050						04/03/202
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	04/03/202
Batch R345261 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date
	_					ODK D-CV-I	0/DEC	Laure Lineit	I li ada I inait	Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	7 ti laiy 20a



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STANDARD METHODS 4500-I		,,,,,								
Batch R345261 SampType:	MS		Units mg/L							
SampID: 24040276-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		16.1	5.000	11.20	97.8	90	110	04/03/202
Batch R345261 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040276-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		15.8	5.000	11.20	92.9	16.09	1.52	04/03/202
Batch R345261 SampType:	MS		Units mg/L							
SampID: 24040291-002BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		6.36	2.500	4.028	93.4	90	110	04/03/202
Batch R345261 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24040291-002BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		6.37	2.500	4.028	93.8	6.362	0.16	04/03/202
Batch R345261 SampType:	MS		Units mg/L							
SampID: 24040380-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		11.6	5.000	6.891	94.3	90	110	04/03/202
Batch R345261 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040380-001AMSD	<b>C</b> .	DI	0 1	D 1	G '1	SDK Bof Vol	0/ DEC	PDD Pof V	al 0/ PDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		Ť
Nitrogen, Nitrate-Nitrite (as N)		1.00		11.8	5.000	6.891	97.4	11.60	1.32	04/03/202
Batch R345358 SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
			•		•					
Nitrogen, Nitrate (as N)		0.050	•	< 0.050						04/04/202



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STANDARD METHODS 4500-			•	'						
Batch R345358 SampType: SampID: ICV/LCS	LCS		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.517	0.5000	0	103.4	90	110	04/04/202
Batch         R345358         SampType:           SampID:         24032306-002AMS	MS		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		10.7	5.000	6.028	94.0	90	110	04/04/202
<b>Batch R345358 SampType</b> : SampID: 24032306-002AMSD	MSD		Units <b>mg/L</b>					RPD Lir	mit <b>10</b>	_
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)	CCIT	1.00	Quai	10.9	5.000	6.028	96.5	10.73	1.18	04/04/202
Batch R345358 SampType:	MS		Units <b>mg/L</b>							
SampID: 24040189-002CMS			ormo mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		10.1	5.000	5.488	93.2	90	110	04/04/202
Batch R345358 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24040189-002CMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	Quui	10.0	5.000	5.488	90.7	10.15	1.26	04/04/202
<b>Batch R345358 SampType:</b> SampID: 24040356-002CMS	MS		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500	_	6.96	2.500	4.594	94.8	90	110	04/04/202
Batch R345358 SampType:	MSD		Units <b>mg/L</b>					RPD Lir	mit <b>10</b>	
SampID: 24040356-002CMSD	~	D.	6 :	D .	a	ODK D-CV	0/ DE 0	DDD 5 ()	-1 0/555	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		
Nitrogen, Nitrate-Nitrite (as N)		0.500		7.16	2.500	4.594	102.6	6.963	2.79	04/04/202
Batch R345358 SampType:	MS		Units mg/L							
SampID: 24040442-002BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		7.91	2.500	5.572	93.4	90	110	04/04/202



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Batch R345358 SampType:	MSD	ι	Jnits <b>mg/L</b>					RPD Lir	nit <b>10</b>	
SampID: 24040442-002BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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:           SampID:         24040481-002AMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	l	Jnits <b>mg/L</b>					RPD Lir	mit <b>10</b>	
SampID: 24040481-002AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		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: SampID: ICB/MBLK	MBLK	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	04/09/202
Batch R345508 SampType: SampID: ICV/LCS	LCS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.467	0.5000	0	93.4	90	110	04/09/202
Batch         R345508         SampType:           SampID:         24040539-002GMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		15.3	5.000	10.50	95.5	90	110	04/09/202
Batch R345508 SampType: SampID: 24040539-002GMSD	MSD	l	Jnits <b>mg/L</b>					RPD Lir	mit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	-	15.0	5.000	10.50	90.2	15.27	1.76	04/09/202
Batch         R345508         SampType:           SampID:         24040634-004AMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
			_				_			



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Batch R345508 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040634-004AMSD										Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	Q um	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	mit <b>10</b>	
SampID: 24040656-002AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	mit <b>10</b>	
SampID: 24040696-002AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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: SampID: ICB/MBLK	MBLK		Units mg/L							
•	C	Dī	01	D1	C '1	SPK Ref Val	%PEC	Low Limit	High Limit	Date Analyzed
Analyses Nitrogen, Nitrate (as N)	Cert	RL 0.050	Qual	< 0.050	Spike	OF IN INCH VAI	/0NEU	LOW LITTIL	i iigii Liiiill	04/10/2024
					0.0000	0	0	100	100	04/10/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	U	0	-100	100	04/10/2024
Batch R345595 SampType:	MBLK		Units mg/L							
SampID: MBLK-221070										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate (as N)	*	0.050		< 0.050						04/10/2024
	*	0.050	J	0.023	0.0230	•	100.0	-100	100	04/10/2024



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Batch R345595 SampType:	LCS		Units mg/L							
SampID: ICV/LCS						00//0 ///				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	,
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.465	0.5000	0	93.0	90	110	04/10/2024
Batch         R345595         SampType:           SampID:         24040747-001DMS	MS		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		2.62	2.500	0.2940	93.1	90	110	04/10/2024
Batch R345595 SampType: SampID: 24040747-001DMSD	MSD		Units <b>mg/L</b>					RPD Lir	nit <b>10</b>	
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)	Cert	0.500	Quai	2.61	2.500	0.2940	92.5	2.622	0.61	04/10/2024
Thurogen, Thurate-Munic (as 14)		0.500		2.01	2.300	0.2940	32.5	2.022	0.01	04/10/202
Batch R345595 SampType:	MS		Units <b>mg/L</b>							
SampID: 24040794-001AMS	~				~	ODK D-( ) (-1	0/DE0	1 12-20	115-4-15-5	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	•
Nitrogen, Nitrate-Nitrite (as N)		2.50		20.5	12.50	9.107	91.0	90	110	04/10/202
Batch R345595 SampType:	MSD		Units <b>mg/L</b>					RPD Lir	nit <b>10</b>	
SampID: 24040794-001AMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)	CCIT	2.50	Quai	20.5	12.50	9.107	91.3	20.49	0.14	04/10/202
Batch R345595 SampType:	MS		Units <b>mg/L</b>							
SampID: 24040864-001AMS	0		o							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	24.0	5.000	18.77	105.0	90	110	04/10/202
Batch R345595 SampType:	MSD		Units <b>mg/L</b>					RPD Lir	nit <b>10</b>	
SampID: 24040864-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	24.1	5.000	18.77	107.4	24.02	0.51	04/10/202
<b>Batch R345595 SampType:</b> SampID: 24040920-001BMS	MS		Units <b>mg/L</b>							Date
						00140 4141	0/050		11: 1 1: 2	Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	7 ti laiy2ca



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Batch R345595 SampType:	MSD	ı	Jnits <b>mg/L</b>					RPD Lir	nit <b>10</b>	
SampID: 24040920-001BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		49.6	25.00	26.42	92.5	49.53	0.04	04/10/202
Batch         R345595         SampType:           SampID:         24040920-008BMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	l	Jnits <b>mg/L</b>					RPD Lir	nit <b>10</b>	
SampID: 24040920-008BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	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	l	Jnits <b>mg/L</b>							
SampID: 24040924-002AMS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	•
Nitrogen, Nitrate-Nitrite (as N)		5.00	S	66.9	25.00	45.51	85.7	90	110	04/10/202
Batch R345595 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	nit <b>10</b>	
SampID: 24040924-002AMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)	Cert	5.00	S	67.5	25.00	45.51	87.8	66.94	0.80	04/10/202
Batch R345595 SampType:	MS		Jnits <b>mg/L</b>							
SampID: 24040925-003AMS		·	51.11.5 III.g/ <b>2</b>							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.238	0.2500	0	95.2	90	110	04/10/202
Batch R345595 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	nit <b>10</b>	
SampID: 24040925-003AMSD	Court	DI	01	Danult	C:1	SDK Dof Val	%REC	DDD Dof V	al %PDD	Date Analyzed
Analyses  Nitrogen, Nitrate-Nitrite (as N)	Cert	RL 0.050	Qual	0.240	Spike 0.2500	SPK Ref Val	96.0	0.2380	0.84	04/10/202
ranogon, randio ranno (do 14)		0.000		V.2-TV	0.2000		50.0	0.2000	J.U <del>T</del>	U-7/ 1U/ZUZ
Batch         R345595         SampType:           SampID:         24040943-001CMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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Batch R345595 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040943-001CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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: SampID: ICB/MBLK	MBLK		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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: SampID: ICV/LCS	LCS		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.467	0.5000	0	93.4	90	110	04/11/202
Batch R345665 SampType: SampID: 24040919-003BMS Analyses	MS Cert	RL	Units <b>mg/L</b> Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)	CCIT	10.0	Quai	126	50.00	79.30	94.1	90	110	04/11/202
Batch R345665 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
										_
Sampid: 24040919-003BMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Analyses	Cert	RL 10.0	Qual	Result	Spike 50.00	SPK Ref Val	%REC 93.0	RPD Ref V	0.43	
SampID: 24040919-003BMSD  Analyses  Nitrogen, Nitrate-Nitrite (as N)  Batch R345665 SampType: SampID: 24040973-004AMS		10.0	Qual Units mg/L							Analyzed 04/11/202
Analyses Nitrogen, Nitrate-Nitrite (as N)  Batch R345665 SampType: SampID: 24040973-004AMS		10.0					93.0	126.3		Analyzed 04/11/202
Analyses Nitrogen, Nitrate-Nitrite (as N)  Batch R345665 SampType: SampID: 24040973-004AMS  Analyses	MS	10.0	Units <b>mg/L</b>	126	50.00	79.30	93.0	126.3	0.43	Analyzed 04/11/202 Date
Analyses Nitrogen, Nitrate-Nitrite (as N)  Batch R345665 SampType: SampID: 24040973-004AMS  Analyses Nitrogen, Nitrate-Nitrite (as N)  Batch R345665 SampType:	<b>MS</b> Cert	10.0 RL 2.50	Units <b>mg/L</b>	126 Result	50.00 Spike	79.30 SPK Ref Val	93.0 %REC	126.3 Low Limit	0.43  High Limit  115	O4/11/202  Date Analyzed
Analyses Nitrogen, Nitrate-Nitrite (as N)  Batch R345665 SampType: SampID: 24040973-004AMS  Analyses Nitrogen, Nitrate-Nitrite (as N)	<b>MS</b> Cert	10.0 RL 2.50	Units <b>mg/L</b> Qual	126 Result	50.00 Spike	79.30 SPK Ref Val	93.0 %REC 89.1	126.3 Low Limit 85	0.43  High Limit  115  nit 10	O4/11/202  Date Analyzed



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Batch 221196 SampType:	LCS		Units mg/L							
SampID: LCS-BOD-2-041024			ŭ							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	nit <b>40</b>	
SampID: 24040606-003ADUP										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Allalyzeu
Biochemical Oxygen Demand		1000	Н	3100				3300	6.25	04/10/2024
<b>Batch 221196 SampType:</b> SampID: 24040976-001ADUP	DUP		Units mg/L					RPD Lir	nit <b>40</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Biochemical Oxygen Demand		10		177				187.0	5.49	04/10/202
STANDARD METHODS 5220 [	) (TOTAL	) 1997								
Batch R345291 SampType: SampID: MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		50		< 50	17.00	0	0	-100	100	04/04/202
Batch R345291 SampType: SampID: LCS	LCS		Units mg/L							5.
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		50	Quui	104	112.0	0	93.1	90	110	04/04/202
Batch R345291 SampType:	MS		Units mg/L							
SampID: 24040264-005HMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		100		1130	1000	50.64	108.0	85	115	04/04/202
	MeD		Units mg/L					RPD Lir	nit <b>10</b>	
	MSD		oo iiig/=							
Batch R345291 SampType: SampID: 24040264-005HMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	RPD Ref V		Date Analyzed



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Batch R345291 SampType:	MS		Units mg/L							
SampID: 24040329-002BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		100		1440	1000	419.4	102.0	90	110	04/04/2024
Batch R345291 SampType:	MSD		Units mg/L					RPD Lim	nit <b>10</b>	
SampID: 24040329-002BMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Chemical Oxygen Demand	Cert	100	Quai	1450	1000	419.4	102.8	1439	0.59	04/04/2024
Batch R345291 SampType:	MS		Units mg/L							
SampID: 24040384-001BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		100		1250	1000	147.1	109.9	90	110	04/04/2024
Batch R345291 SampType:	MSD		Units mg/L					RPD Lim	nit <b>10</b>	
SampID: 24040384-001BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	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						0DK D ()/ I	0/PE0		10 1 12 %	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	•
		50		< 50	17.00	0	0	-100	100	04/11/2024
Chemical Oxygen Demand		30								
Chemical Oxygen Demand  Batch R345629 SampType:  SampID: LCS	LCS	30	Units mg/L							Date
Batch R345629 SampType:	<b>LCS</b> Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Batch R345629 SampType: SampID: LCS			J	Result	Spike 112.0	SPK Ref Val	%REC 96.8	Low Limit 90	High Limit	
Batch R345629 SampType: SampID: LCS Analyses	Cert	RL	J						Ū	Analyzed
Batch R345629 SampType: SampID: LCS  Analyses Chemical Oxygen Demand  Batch R345629 SampType:	Cert	RL 50	Qual				96.8		Ū	Analyzed 04/11/2024
Batch R345629 SampType: SampID: LCS  Analyses Chemical Oxygen Demand  Batch R345629 SampType: SampID: 24031341-057FMS	Cert	<u>RL</u> 50	Qual Units mg/L	108	112.0	0	96.8	90	110	Analyzed 04/11/2024 Date
Batch R345629 SampType: SampID: LCS  Analyses Chemical Oxygen Demand  Batch R345629 SampType: SampID: 24031341-057FMS  Analyses	Cert	RL 50	Qual Units mg/L	108 Result	112.0 Spike	0 SPK Ref Val	96.8 %REC	90 Low Limit	110 High Limit 115	Analyzed 04/11/2024 Date Analyzed
Batch R345629 SampType: SampID: LCS  Analyses Chemical Oxygen Demand  Batch R345629 SampType: SampID: 24031341-057FMS  Analyses Chemical Oxygen Demand	Cert  MS  Cert	RL 50	Qual Units mg/L Qual	108 Result	112.0 Spike	0 SPK Ref Val	96.8 %REC	90 Low Limit 85	110 High Limit 115	Analyzed 04/11/2024 Date Analyzed



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Batch R345629 SampTy	pe: MS		Units mg/L							
SampID: 24040922-007DMS	•		J							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		100	<b>A</b> mm	995	1000	0	99.5	90	110	04/11/2024
Batch R345629 SampTy	pe: MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040922-007DMSD	)									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chemical Oxygen Demand		100		970	1000	0	97.0	995.5	2.58	04/11/2024
Batch R345629 SampTy	pe: MS		Units mg/L							
SampID: 24040925-002BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		100		1960	1000	908.2	105.6	90	110	04/11/2024
Batch R345629 SampTy	pe: MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24040925-002BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		Analyzed
Chemical Oxygen Demand		100		1910	1000	908.2	99.7	1964	3.06	04/11/2024
SW-846 1010A										
Batch R345852 SampTy SampID: LCS	pe: LCS		Units <b>°F</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Ignitability, Closed Cup		60		83	81.00	0	102.5	97	103	04/16/2024
Batch R345852 SampTy	pe: DUP		Units °F					RPD Lir	mit <b>5</b>	
SampID: 24031341-071FDUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		Analyzed
Ignitability, Closed Cup		60		>200				0	0.00	04/16/2024
SW-846 9012A (TOTAL)										
<b>Batch</b> 220929 SampTy SampID: MBLK 240405 TCN1			Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
1 III di 1 5005										



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Batch 220929 SampType:	LCS		Jnits mg/L							
SamplD: LCS 240405 TCN1	LOS		illo ilig/L							Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Cyanide	Cert	0.005	Quai	0.026	0.0250	0	105.2	90	110	04/08/202
Cyanice		0.003		0.020	0.0230	O	105.2	90	110	04/00/202
Batch         220929         SampType:           SampID:         24040450-001CMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.025		0.135	0.1250	0.01290	97.3	90	110	04/08/202
Batch 220929 SampType:	MSD	ι	Jnits <b>mg/L</b>					RPD Lir	mit <b>15</b>	
SampID: 24040450-001CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Cyanide		0.025		0.139	0.1250	0.01290	101.3	0.1345	3.61	04/08/202
Batch 220930 SampType:	MBLK	l	Jnits <b>mg/L</b>							
SampID: MBLK 240405 TCN2										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	04/08/202
Batch 220930 SampType:	LCS	ι	Jnits <b>mg/L</b>							
SampID: LCS 240405 TCN2	<b>C</b> .	DI	0 1	D 1	G 11	SPK Ref Val	% DEC	Low Limit	High Limit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike				- U	·
Cyanide		0.005		0.025	0.0250	0	100.9	90	110	04/08/202
Batch         220930         SampType:           SampID:         24031341-046DMS	MS	L	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.025	0.0250	0	100.5	75	125	04/08/202
Batch 220930 SampType:	MSD	ι	Jnits <b>mg/L</b>					RPD Lir	mit <b>15</b>	Date
SampID: 24031341-046DMSD		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
·	Cert						407.4	0.02512	0.00	04/08/202
·	Cert	0.005		0.027	0.0250	0	107.4	0.02312	6.69	04/00/202
Analyses Cyanide  Batch 221125 SampType:		0.005	Jnits <b>mg/L</b>	0.027	0.0250	0	107.4	0.02312	6.69	
Analyses Cyanide		0.005	Jnits <b>mg/L</b> Qual	0.027 Result	0.0250 Spike	0 SPK Ref Val		Low Limit	6.69  High Limit	Date Analyzed



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D / 1 22442E CompType:	1.00		loito man/l							
Batch 221125 SampType: SampID: LCS 240409 TCN1	LCS	(	Jnits <b>mg/L</b>							5.
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Cyanide	CCIT	0.005	Quai	0.025	0.0250	0	100.0	90	110	04/10/202
-,										- 11 101
Batch         221125         SampType:           SampID:         24040800-001CMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.026	0.0250	0.001535	99.7	90	110	04/10/202
Batch 221125 SampType:	MSD	ι	Jnits <b>mg/L</b>					RPD Lir	mit <b>15</b>	
SampID: 24040800-001CMSD	<b>a</b>	D.		<b>5</b>	a	CDK Dat Val	0/ DEC	DDD D-41/	-L 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		•
Cyanide		0.005		0.027	0.0250	0.001535	101.0	0.02645	1.30	04/10/202
Batch 221214 SampType:	MBLK	l	Jnits <b>mg/L</b>							
SampID: MBLK 240410 TCN1										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	04/11/202
Batch 221214 SampType:	LCS	l	Jnits <b>mg/L</b>							
SampID: LCS 240410 TCN1						00140 (1)41	0/ DE0			Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	-
Cyanide		0.005		0.025	0.0250	0	100.6	90	110	04/11/202
Batch 221214 SampType: SampID: 24040842-002BMS	MS	l	Jnits <b>μg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		5.00		25.4	25.00	0	101.5	90	110	04/11/202
<b>Batch 221214 SampType:</b> SampID: 24040842-002BMSD	MSD	l	Jnits <b>μg/L</b>					RPD Lir	nit <b>15</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Cyanide		5.00		25.9	25.00	0	103.6	25.38	2.03	04/11/202
		ı	Jnits <b>mg/L</b>							
	MS	`	Jimo IIIg/L							
Batch 221214 SampType: SampID: 24040870-001CMS Analyses	MS Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed



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Batch 221214 SampType:	MSD	ı	Jnits <b>mg/L</b>					RPD Lir	nit <b>15</b>	
SampID: 24040870-001CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Cyanide		0.005		0.026	0.0250	0	105.5	0.02590	1.80	04/11/2024
Batch 221215 SampType: SampID: MBLK 240410 TCN2	MBLK	l	Jnits <b>mg/L</b>							
	C	DI	0 1	D 14	01	SPK Ref Val	% DEC	Low Limit	High Limit	Date Analyzed
Analyses Cyanide	Cert	RL 0.005	Qual	< 0.005	Spike 0.0015		0	-100	100	04/11/2024
Batch 221215 SampType:	LCS	l	Jnits <b>mg/L</b>							
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:           SampID:         24031341-034DMS	MS	Į	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.026	0.0250	0	102.2	75	125	04/11/202
Batch         221215         SampType:           SampID:         24031341-034DMSD	MSD	l	Jnits <b>mg/L</b>					RPD Lir	mit <b>15</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Cyanide		0.005		0.025	0.0250	0	101.6	0.02554	0.61	04/11/202
Batch 221293 SampType: SampID: MBLK 240411 TCN1	MBLK	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	04/12/202
Batch 221293 SampType: SampID: LCS 240411 TCN1	LCS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.024	0.0250	0	96.5	90	110	04/12/202
	MS	ı	Jnits <b>mg/L</b>							
Batch 221293 SampType:										
Batch 221293 SampType: SampID: 24040921-001EMS Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	0/ DEO	Low Limit	High Limit	Date Analyzed



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SW-846 9012A (T	OTAL)										
Batch 221293	SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24040921	-001EMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Cyanide			0.005		0.026	0.0250	0	104.9	0.02620	0.10	04/12/202
<b>Batch 221293</b> SampID: 24041018	SampType: -001CMS	MS		Units <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	mit <b>15</b>	
SampID: 24041018 Analyses	-001CM2D	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Cyanide			0.025		0.137	0.1250	0.01732	95.6	0.1387	1.40	04/12/2024
SW-846 9014 (RE	ACTIVE)										
Batch 221520		MBLK		Units mg/Kg	g						
SampID: MBLK 240	416 RCN										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide, Reactive			2.50		< 2.50	1.790	0	0	-100	100	04/17/202
<b>Batch 221520</b> SampID: LCS 2404	SampType: 16 RCN	LCS		Units mg/K	g						Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide, Reactive			5.00		5.60	10.00	0	56.0	38.7	116	04/17/202
Batch 221520	SampType:	DUP		Units mg/K	g				RPD Lir	mit <b>15</b>	
SampID: 24041078	-004ADUP										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Cyanide, Reactive			2.49		< 2.49				0	0.00	04/17/202
SW-846 9034 (RE											
<b>Batch 221516</b> SampID: MBLK 240	SampType: 416 RSUL	MBLK		Units mg/K	g						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfide, Reactive			10.0		< 10.0	7.400	0	0	-100	100	04/16/202



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Samp     LCS 2401   RSUL	SW-846 9034 (REACTIVE)										
Date	•	LCS		Units ma/Ka	a						
Analyses				3 III 9/10							Data
Sullide, Reactive 10.0 80.0 100.0 0 80.0 47.3 109 04/16  Batch 221516 SampType: DUP Units mg/Ky Recult Spike SPK Ref Val MREC RPD Ref Val MREC Analyses Cert RL Qual Result Spike SPK Ref Val MREC Low Limit High Limit Analyses SamplD: 24031341-042BMSD Analyses Cert RL Qual Result Spike SPK Ref Val MREC RPD Ref Val MREC Analyses Sulfide Resolute 10.0 379 200.0 200.8 89.1 85 115 04/04  Batch R345321 SampType: MS Units mg/L Result Spike SPK Ref Val MREC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val MREC RPD Ref Val MREC Analyses Sulfide 100 375 200.0 200.8 89.1 379.0 1.06 04/04  Batch R345321 SampType: MS Units mg/L RPD Limit 10  Batch R345321 SampType: MS Units mg/L RPD Limit 10  Batch R345321 SampType: MS Units mg/L RPD Limit 10  Batch R345321 SampType: MS Units mg/L RPD Limit 10  Batch R345321 SampType: MS Units mg/L RPD Limit 10  Batch R345321 SampType: MS Units mg/L RPD Limit 10  Batch R345321 SampType: MS Units mg/L RPD Limit 10  Batch R345321 SampType: MS Units mg/L RPD Limit 10  Batch R345321 SampType: MS Units mg/L RPD Limit 10  Batch R345321 SampType: MS Units mg/L RPD Limit 10  Batch R345321 SampType: MS Units mg/L RPD Limit 10  Batch R345321 SampType: MS Units mg/L Result Spike SPK Ref Val MREC RPD Ref Val MRPD Analyses Cert RL Qual Result Spike SPK Ref Val MREC RPD Ref Val MRPD Analyses Cert RL Qual Result Spike SPK Ref Val MREC RPD Ref Val MRPD Analyses Ref R345467 SampType: MS Units mg/L SampID: 24031341-042BMSD Analyses Cert RL Qual Result Spike SPK Ref Val MREC RPD Ref Val MRPD Analyses Cert RL Qual Result Spike SPK Ref Val MREC RPD Ref Val MRPD Analyses Cert RL Qual Result Spike SPK Ref Val MREC RPD Ref Val MRPD Analyses Cert RL Qual Result Spike SPK Ref Val MREC RPD Ref Val MRPD Analyses Cert RL Qual Result Spike SPK Ref Val MREC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val MREC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val MREC Low Limit High Limit Analyses Cert RL Qual Result Spike SPK Ref Val MREC Low Limit High Limit Analyses C	•	Cort	DΙ	Oual	Pacult	Snika	SPK Ref Val	%RFC	I ow I imit	High Limit	Analyzed
Batch 221516	·	Cert		Quai						Ū	04/16/2024
Date	ounide, reactive		10.0		00.0	100.0	Ü	00.0	47.0	100	04/10/2024
Analyses	Batch 221516 SampType:	DUP		Units mg/K	g				RPD Lin	nit <b>15</b>	
Suffide   Reactive   10.0	SampID: 24041078-004ADUP										Date
SW-846 9036 (DISSOLVED)   Batch R345321   SampType: MS	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Batch R345321   SampType: MS   Units mg/L   SampID: 24031341-042BMS   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RED   Date   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RED   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RED   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RED   Date   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RED   Date   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %R	Sulfide, Reactive		10.0		< 10.0				0	0.00	04/16/2024
SampID:         24031341-042BMS         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyses         Date Analyses           Sulfate         100         379         200.0         200.8         89.1         85         115         04/04           Batch R345321         SampType:         MSD         Units mg/L         RPD Limit         10         Date Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyses         Date Analyses         NampType:         MS         Units mg/L         Units mg/L         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyses         Date Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyses         Date Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyses         Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref	SW-846 9036 (DISSOLVED)										
Analyses	Batch R345321 SampType:	MS		Units mg/L							
Sulfate   100   379   200.0   200.8   89.1   85   115   04/04	SampID: 24031341-042BMS										Date
Batch R345321         SampType:         MSD         Units mg/L         RPD Limit         10         Date Analyses         Cert RL Qual Result Spike SPK Ref Val RFC         SPK Ref Val RFC         RPD Ref Val RFD         MSPD Analyses         Date Analyses         Cert RL Qual Result Spike SPK Ref Val RFC         SPK Ref Val RFC         RPD Ref Val RFD         MSPD Analyses         Date Analyses         Date Analyses         SPK Ref Val RFC         Low Limit High Limit         High Limit Analyses         Date Analyses         Date Analyses         SPK Ref Val RFC         RPD Limit To         Date Analyses         Date Analyses         Date Analyses         SPK Ref Val RFC         RPD Limit To         Date Analyses         Date Analyses         SPK Ref Val RFC         RPD Ref Val RFC         Analyses         Date Analyses         Date Analyses         SPK Ref Val RFC         RPD Ref Val RFC         Analyses         Analyses         Cert RL Qual Result         Spike SPK Ref Val RFC         RPD Ref Val RFC         Analyses         Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SamplD: 24031341-042BMSD	Sulfate		100		379	200.0	200.8	89.1	85	115	04/04/2024
SampID: 24031341-042BMSD   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %RE	Batch R345321 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
Sulfate         100         375         200.0         200.8         87.1         379.0         1.06         04/04           Batch R345321 SampType: MS         Units mg/L           Sulfate         Cert RL Qual Result         Spike SPK Ref Val REC         Low Limit Limit         High Limit         Analyses           Sulfate         50         227         100.0         132.0         94.6         85         115         04/04           Batch R345321 SampType: MSD         Units mg/L         RPD Limit 10         RPD Limit 10         Date Analyses           Analyses         Cert RL Qual Result         Spike SPK Ref Val REC         RPD Ref Val RPD         Analyses           Batch R345467 SampType: MS         Units mg/L         Units mg/L         Spike SPK Ref Val REC         Low Limit High Limit         Date Analyses           Analyses         Cert RL Qual Result         Spike SPK Ref Val REC         Low Limit High Limit         Date Analyses	SampID: 24031341-042BMSD										Date
Sulfate       100       375       200.0       200.8       87.1       379.0       1.06       04/04/04/04/04/04/04/04/04/04/04/04/04/0	Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
SamplD: 24031341-044BMS   Cert RL Qual Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Sulfate   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyses   Cert RL Qual Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Date   Analyses   Cert RL Qual Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyses   Analyses   Spike				•			200.8	87.1	379.0	1.06	04/04/2024
Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyses           Sulfate         50         227         100.0         132.0         94.6         85         115         04/04           Batch R345321         SampType:         MSD         Units mg/L         RPD Limit 10           SampID:         24031341-044BMSD         Date           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyses           Batch R345467         SampType:         MS         Units mg/L         SampID:         24031341-023BMS         Date           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyses	Batch R345321 SampType:	MS		Units mg/L							
Sulfate   So   227   100.0   132.0   94.6   85   115   04/04	SampID: 24031341-044BMS										Date
Batch R345321 SampType: MSD         Units mg/L         RPD Limit 10           SampID: 24031341-044BMSD         Date Analyses         Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD Analyses         Date Analyses         Date Analyses         Date Analyses         Date Analyses         Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit         Date Analyses	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID: 24031341-044BMSD         Date           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyses           Sulfate         50         226         100.0         132.0         94.5         226.6         0.04         04/04           Batch R345467         SampType:         MS         Units mg/L           SampID:         24031341-023BMS         Date           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyses	Sulfate		50		227	100.0	132.0	94.6	85	115	04/04/2024
Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyses           Sulfate         50         226         100.0         132.0         94.5         226.6         0.04         04/04           Batch R345467         SampType:         MS         Units mg/L           SampID:         24031341-023BMS         Date           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyses	Batch R345321 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
Sulfate 50 226 100.0 132.0 94.5 226.6 0.04 04/04  Batch R345467 SampType: MS Units mg/L SampID: 24031341-023BMS Analyses Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyses	SampID: 24031341-044BMSD										Date
Batch R345467 SampType: MS       Units mg/L         SampID: 24031341-023BMS       Date         Analyses       Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
SampID: 24031341-023BMS  Analyses Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyses	Sulfate		50		226	100.0	132.0	94.5	226.6	0.04	04/04/2024
Analyses Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyses	Duttin	MS		Units mg/L							
Analyses Cert KL Quar Result Spike of Kilo Va. 70.420 Zon Zinik Tigi Zinik	SampID: 24031341-023BMS										
Sulfate 200 E <b>1010</b> 400.0 660.0 86.3 85 115 04/08	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	Sulfate		200	Е	1010	400.0	660.0	86.3	85	115	04/08/2024



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011-0-0 3000	(DISSOLVED)										
Batch R34546	7 SampType:	MSD		Units mg/L					RPD Lim	it <b>10</b>	
SampID: 2403	1341-023BMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	l %RPD	Analyzed
Sulfate			200	E	1000	400.0	660.0	85.3	1005	0.42	04/08/2024
<b>Batch R34562</b> SampID: 2403		MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			50		202	100.0	105.6	96.7	85	115	04/10/2024
Batch R34562		MSD		Units mg/L					RPD Lim	it <b>10</b>	
SampID: 2403	1341-002BMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	%RPD	Analyzed
Sulfate			50		209	100.0	105.6	103.2	202.3	3.14	04/10/2024
SW-846 9036	· · ·										
Batch R34532 SampID: ICB/N		MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		< 10	6.140	0	0	-100	100	04/04/2024
Batch R34532 SampID: ICV/L		LCS		Units mg/L							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10	<b>— (</b>	20	20.00	0	97.7	90	110	04/04/2024
Batch R34532		MS		Units mg/L							
SampID: 2404	0263-001CMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			20		82	40.00	39.90	104.6	90	110	04/04/2024
Batch R34532		MSD		Units mg/L					RPD Lim	it <b>10</b>	
SampID: 2404	0263-001CMSD						0DK D-(1)/-1	0/ DEC	DDD D-(1/-		Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	1 %RPD	Allalyzou



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	AL)										
Batch R345408 SampID: ICB/MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		<10	6.140	0	0	-100	100	04/05/202
Batch R345408 SampID: ICV/LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		20	20.00	0	99.7	90	110	04/05/202
<b>Batch R345408 S</b>	SampType: 01BMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			50		188	100.0	89.02	98.5	90	110	04/05/202
Batch R345408	SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24040264-00 Analyses	01BMSD	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Sulfate		CCIT	50	Quai	186	100.0	89.02	97.2	187.6	0.70	04/05/202
Batch R345408	SampType:	MS		Units mg/L							
SampID: 24040306-00			RI	-	Result	Snike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
		MS Cert	RL 50	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val 65.68	%REC 91.0	Low Limit 90	High Limit	Analyzed
SampID: 24040306-00 <u>Analyses</u> Sulfate <b>Batch</b> R345408	01BMS SampType:			-		·				110	Analyzed
SampID: 24040306-00 <u>Analyses</u> Sulfate <b>Batch</b> R345408	01BMS SampType:	Cert		Qual		·			90	110 mit <b>10</b>	Analyzed
SampID:       24040306-00         Analyses       Sulfate         Batch       R345408         SampID:       24040306-00	01BMS SampType:	Cert	50	Qual Units mg/L	157	100.0	65.68	91.0	90 RPD Lir	110 mit <b>10</b>	Analyzed 04/05/202  Date Analyzed
SampID: 24040306-00  Analyses  Sulfate  Batch R345408  SampID: 24040306-00  Analyses  Sulfate	SampType: D1BMSD SampType:	Cert  MSD  Cert	50 RL	Qual Units mg/L	157 Result	100.0 Spike	65.68 SPK Ref Val	91.0 %REC	90 RPD Lir RPD Ref Va	110 mit <b>10</b> al %RPD	Analyzed 04/05/202  Date Analyzed
SampID:       24040306-00         Analyses       Sulfate         Batch R345408       S         SampID:       24040306-00         Analyses       Sulfate         Batch R345408       S	SampType: D1BMSD SampType:	Cert  MSD  Cert	50 RL	Qual Units mg/L Qual	157 Result	100.0 Spike	65.68 SPK Ref Val	91.0 %REC 98.0	90 RPD Lir RPD Ref Va	110 mit <b>10</b> al %RPD 4.40	O4/05/202  Date Analyzed O4/05/202
SampID:       24040306-00         Analyses       Sulfate         Batch R345408       SampID:         24040306-00         Analyses       Sulfate         Batch R345408       SampID:         24040308-00	SampType: D1BMSD SampType:	Cert  MSD  Cert	50 RL 50	Qual Units mg/L Qual Units mg/L	157 Result 164	Spike 100.0	65.68 SPK Ref Val 65.68	91.0 %REC 98.0	90 RPD Lin RPD Ref Va 156.6	110 mit <b>10</b> al %RPD 4.40	Date Analyzed 04/05/202
SampID:       24040306-00         Analyses       Sulfate         Batch R345408       \$         SampID:       24040306-00         Analyses       Sulfate         Batch R345408       \$         SampID:       24040308-00         Analyses       Sulfate         Batch R345408       \$         Sulfate       \$	SampType: D1BMSD SampType: D3AMS SampType:	MSD  Cert  MS  Cert	50 RL 50	Qual Units mg/L Qual Units mg/L	Result 164 Result	Spike 100.0 Spike	SPK Ref Val 65.68	91.0 %REC 98.0	90  RPD Lir  RPD Ref Vol 156.6  Low Limit	110 mit 10 al %RPD 4.40 High Limit 110	Date Analyzed  04/05/202  Date Analyzed  04/05/202  Date Analyzed
SampID: 24040306-00 Analyses Sulfate  Batch R345408 SampID: 24040306-00 Analyses Sulfate  Batch R345408 SampID: 24040308-00 Analyses SampID: 24040308-00 Analyses Sulfate	SampType: D1BMSD SampType: D3AMS SampType:	MSD  Cert  MS  Cert	50 RL 50	Qual Units mg/L Qual Units mg/L Qual S	Result 164 Result	Spike 100.0 Spike	SPK Ref Val 65.68	91.0 %REC 98.0 %REC 86.7	90  RPD Lin  RPD Ref Vol  156.6  Low Limit  90	110 mit 10 al %RPD 4.40  High Limit 110	Date Analyzed  04/05/202  Date Analyzed  04/05/202  Date Analyzed



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SW-846 9036 (TOTAL)	_	MARILY		11.76							
Batch R345467 Sam SampID: ICB/MBLK	рТуре:	MBLK		Units mg/L							
		<b>a</b>	D.	0 1	<b>5</b> 1.	a	CDK Dat Val	0/ DEC	l a l :aait	I limb I insit	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	
Sulfate			10		< 10	6.140	0	0	-100	100	04/08/202
Batch R345467 Sam SampID: ICV/LCS	рТуре:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		20	20.00	0	101.6	90	110	04/08/202
<b>Batch R345467 Sam</b> SamplD: 24040646-006AN	pType:	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10	S	29	20.00	12.12	83.4	85	115	04/08/202
24,001	pType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24040646-006AN	NSD	<b>a</b> .	DI	0 1	D 1.	G '1	CDK Dof Vol	0/ DEC	DDD Def V	al 0/DDD	Date Analyzed
Analyses Sulfate		Cert	RL 10	Qual	Result	Spike 20.00	SPK Ref Val	%REC 85.4	28.80		04/08/202
Sullate			10		29	20.00	12.12	65.4	26.60	1.35	04/06/202
Batch R345528 Sam SampID: ICB/MBLK	рТуре:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		< 10	6.140	0	0	-100	100	04/09/202
Batch R345528 Sam SampID: ICV/LCS	рТуре:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		CCIT	10	Quui	19	20.00	0	97.3	90	110	04/09/202
	рТуре:	MS		Units mg/L							Date
<b>Batch R345528 Sam</b> SampID: 24040647-001AM	ИS										
	ИS	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID: 24040647-001AN	MS .	Cert	RL 100	Qual	Result 297	Spike 200.0	SPK Ref Val	%REC 87.3	Low Limit 85	High Limit	04/09/202
SampID: 24040647-001AN Analyses Sulfate	pType:			Qual Units mg/L						115	
SampID: 24040647-001AN Analyses Sulfate	рТуре:								85	115	



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SW-846 9036 (TOTAL)										
Batch R345528 SampType:	MS		Units mg/L							
SampID: 24040758-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		20		90	40.00	51.78	95.6	90	110	04/09/202
Batch R345528 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24040758-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate		20		92	40.00	51.78	100.6	90.01	2.21	04/09/202
Batch R345620 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Data
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate	COIT	10	Quui	<10	6.140	0	0	-100	100	04/10/2024
Batch R345620 SampType:	LCS		Units mg/L							
SampID: ICV/LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10		20	20.00	0	99.2	90	110	04/10/202
Batch R345620 SampType:	MS		Units mg/L							
SampID: 24031341-009AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10	S	26	20.00	11.24	75.8	85	115	04/10/202
Batch R345620 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24031341-009AMSD										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		
Sulfate		10	S	26	20.00	11.24	74.8	26.39	0.72	04/10/202
Batch         R345620         SampType:           SampID:         24031341-012AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10	S	28	20.00	13.40	73.1	85	115	04/10/202
Batch R345620 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24031341-012AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate		10	S	27	20.00	13.40	66.8	28.02	4.64	04/10/202



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Datak R345620 SamnTuna	MS		Units mg/L							
<b>Batch R345620 SampType:</b> SampID: 24040797-001AMS	IVIS		Offics Hig/L							5.
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate	Cert	100	Quai	406	200.0	215.7	95.0	90	110	04/10/202
Cunate		100		400	200.0	210.7	33.0	30	110	0-7/10/202
Batch R345620 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24040797-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Sulfate		100		400	200.0	215.7	92.2	405.6	1.38	04/10/202
Batch R345761 SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10		< 10	6.140	0	0	-100	100	04/15/202
Batch R345761 SampType:	LCS		Units mg/L							
SampID: ICV/LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10		21	20.00	0	105.0	90	110	04/15/202
Batch R345761 SampType:	MS		Units mg/L							
SampID: 24040922-009AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		100		430	200.0	246.4	91.8	90	110	04/15/202
Batch R345761 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
	MSD		Units mg/L					RPD Lin	nit 10	Date
	MSD Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	RPD Lin		Date Analyzed
SampID: 24040922-009AMSD		RL 100	·	Result 436	Spike 200.0	SPK Ref Val 246.4	%REC 94.9			
SampID: 24040922-009AMSD  Analyses Sulfate  Batch R345761 SampType:	Cert		·					RPD Ref Va	al %RPD	Analyzed
SampID: 24040922-009AMSD  Analyses  Sulfate  Batch R345761 SampType:	Cert		Qual					RPD Ref Va	al %RPD	Analyzed 04/15/202 Date
SampID: 24040922-009AMSD  Analyses  Sulfate  Batch R345761 SampType:	Cert	100 RL	Qual				94.9	RPD Ref Va	al %RPD	Analyzed 04/15/202
SampID: 24040922-009AMSD  Analyses Sulfate  Batch R345761 SampType: SampID: 24041015-002AMS	Cert MS	100	Qual Units mg/L	436	200.0	246.4	94.9	RPD Ref Va	1.43	Analyzed  04/15/202  Date Analyzed
SampID: 24040922-009AMSD  Analyses Sulfate  Batch R345761 SampType: SampID: 24041015-002AMS  Analyses Sulfate  Batch R345761 SampType:	Cert MS	100 RL	Qual Units mg/L	436 Result	200.0 Spike	246.4 SPK Ref Val	94.9 %REC	RPD Ref Va 430.0 Low Limit	1.43 High Limit	Analyzed 04/15/202 Date
SampID: 24040922-009AMSD  Analyses Sulfate  Batch R345761 SampType: SampID: 24041015-002AMS  Analyses Sulfate	Cert  MS  Cert	100 RL	Qual Units mg/L Qual	436 Result	200.0 Spike	246.4 SPK Ref Val	94.9 %REC	RPD Ref Va 430.0 Low Limit 85	1.43 High Limit	Analyzed  04/15/202  Date Analyzed



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Batch R345761 SampType:	Me		Units mg/L							
<b>Batch R349761 Samplype:</b> SamplD: 24041179-002AMS	IVIS		Units mg/L							
	Cont	RL	01	D14	C-:1	SPK Ref Val	%PEC	Low Limit	High Limit	Date Analyzed
Analyses Sulfate	Cert	10	Qual	Result	Spike 20.00	0	107.5	90	110	04/15/202
Sunate		10		22	20.00	O	107.5	90	110	04/13/202
Batch R345761 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24041179-002AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Sulfate		10		21	20.00	0	105.4	21.50	1.97	04/15/202
Batch R345761 SampType:	MS		Units mg/L							
SampID: 24041187-007AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		20		83	40.00	45.92	93.0	85	115	04/15/202
Batch R345761 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24041187-007AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Sulfate		20		82	40.00	45.92	90.8	83.12	1.06	04/15/202
Batch R345761 SampType:	MS		Units mg/L							
SampID: 24041187-009AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		50		191	100.0	98.35	92.3	85	115	04/15/202
Batch R345761 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24041187-009AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Sulfate		50		192	100.0	98.35	93.8	190.6	0.80	04/15/202
Batch R345761 SampType:	MS		Units mg/L							
SampID: 24041187-011AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10	SE	55	20.00	38.98	80.8	85	115	04/15/202
Batch R345761 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24041187-011AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
			SE	56			83.4	55.15	0.94	04/15/202



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SW-846 9036 (TOTAL)										
Batch R345761 SampType:	MS		Units mg/L							
SampID: 24041187-015AMS										Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		100	•	428	200.0	236.9	95.8	85	115	04/16/2024
Batch R345761 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24041187-015AMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Sulfate	CCIT	100	Quai	433	200.0	236.9	97.9	428.4	0.98	04/16/2024
SW-846 9060A										
Batch R345640 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	04/11/202
Batch R345640 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Allalyzeu
Total Organic Carbon (TOC)		1.0		5.0	5.000	0	100.2	90	110	04/11/202
Batch R345640 SampType: SampID: 24040624-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Organic Carbon (TOC)		1.0		6.1	5.000	1.230	97.2	85	115	04/11/202
Batch R345640 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040624-001AMSD						00140 4341	0/ DE0	DDD D () (		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		•
Total Organic Carbon (TOC)		1.0		6.1	5.000	1.230	97.6	6.090	0.33	04/11/202
Batch         R345640         SampType:           SampID:         24040491-002ADUP	DUP		Units mg/L					RPD Lir	mit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)	2011	5.0	4 000	15.5	~ p1110			16.05	3.55	04/11/202



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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 L	mit <b>10</b>	
SampID: 24040560-001ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	/al %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		3.1				3.050	2.91	04/11/202
Batch R345640 SampType:	DUP		Units mg/L					RPD L	mit <b>10</b>	
SampID: 24040684-001BDUP										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC		/al %RPD	•
Total Organic Carbon (TOC)		1000		2120				1972	7.05	04/11/202
<b>Batch R345640 SampType:</b> SampID: 24040751-002ADUP	DUP		Units mg/L					RPD L	mit <b>10</b>	
•	<b>a</b> .	DI	0 1	D 1.	G '1	CDV Def Vel	0/ DEC		/al 0/ DDD	Date Analyzed
Analyses  Tetal Operation Contract (TOO)	Cert	RL	Qual	Result	Spike	SPK Ref Val	%KEU		/al %RPD	•
Total Organic Carbon (TOC)		1.0		2.2				2.240	3.17	04/11/202
Batch R345640 SampType:	DUP		Units mg/L					RPD L	mit <b>10</b>	
SampID: 24040975-002ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	/al %RPD	Analyzed
Total Organic Carbon (TOC)		5.0		23.0				21.08	8.88	04/11/202
Batch R345640 SampType:	DUP		Units mg/L					RPD L	mit <b>10</b>	
SampID: 24040975-003ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	/al %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		3.5				3.500	0.57	04/11/202
Batch R345640 SampType:	DUP		Units mg/L					RPD L	mit <b>10</b>	
SampID: 24040975-004ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	/al %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		5.4				5.350	1.12	04/11/202
Batch R345640 SampType:	DUP		Units mg/L					RPD L	mit <b>10</b>	
SampID: 24040975-005ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	/al %RPD	Analyzed
Total Organic Carbon (TOC)		2.0		7.8				7.550	3.77	04/11/20
Batch R345640 SampType:	DUP		Units mg/L					RPD L	mit <b>10</b>	
SampID: 24040975-006ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	/al %RPD	Analyzed
Total Organic Carbon (TOC)		2.0		10.4				10.18	2.33	04/11/202



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Batch R345640 SampType:	DUP		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040975-007ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		2.1				2.130	0.47	04/11/202
Batch R345640 SampType:	DUP		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040975-008ADUP										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		•
Total Organic Carbon (TOC)		1.0		5.2				5.210	0.00	04/11/202
Batch R345700 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Organic Carbon (TOC)		1.0	<b>X</b>	< 1.0	0.4500	0	0	-100	100	04/12/202
Batch R345700 SampType:	LCS		Units mg/L							
SampID: ICV/LCS			_							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Organic Carbon (TOC)		1.0		5.0	5.000	0	101.0	90	110	04/12/202
Batch R345700 SampType:	MS		Units mg/L							
SampID: 24040751-001AMS Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)	CCIT	2.0	Quai	16.2	10.00	5.920	103.2	90	110	04/12/202
Batch R345700 SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24040751-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		2.0		16.1	10.00	5.920	102.2	16.24	0.62	04/12/202
Batch R345700 SampType:	MS		Units mg/L							
SampID: 24040975-001AMS Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	Low I imit	High Limit	Date Analyzed
Total Organic Carbon (TOC)	Cort	1.0	Quai	6.0	5.000	1.140	98.0	85	115	04/12/202
Batch R345700 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24040975-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed



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Batch R345700 SampType:	DUP		Units mg/L					RPD Liı	mit <b>10</b>	
SampID: 24040560-002ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		2.7				2.710	0.74	04/12/202
Batch R345700 SampType:	DUP		Units mg/L					RPD Liı	mit <b>10</b>	
SampID: 24040751-001ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		2.0		6.1				5.920	3.65	04/12/202
<b>Batch R345700 SampType</b> : SampID: 24040872-001FDUP	DUP		Units mg/L					RPD Liı	mit <b>10</b>	
•	C	DI	0.4	D 14	011	SPK Ref Val	% DEC	RPD Ref V	al %PDD	Date Analyzed
Analyses  Total Organia Carbon (TOC)	Cert	RL	Qual	Result	Spike	OF IN INCH VAI	/ONEC			•
Total Organic Carbon (TOC)		5.0		19.2				19.39	1.04	04/12/20
Batch R345700 SampType:	DUP		Units mg/L					RPD Liı	mit <b>10</b>	
SampID: 24040975-001ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		1.1				1.140	0.00	04/12/20
Batch R345700 SampType:	DUP		Units mg/L					RPD Liı	mit <b>10</b>	
SampID: 24040999-003ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		5.0		15.2				15.26	0.72	04/12/20
Batch R345910 SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	04/17/20
Batch R345910 SampType:	LCS		Units mg/L							
SampID: ICV/LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Organic Carbon (TOC)		1.0		5.0	5.000	0	101.0	90	110	04/17/20
Batch R345910 SampType:	MS		Units mg/L							
SampID: 24041166-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Organic Carbon (TOC)		1.0		5.5	5.000	0.5300	100.0	85	115	04/17/2



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Maily   Mail	SW-846 9060A										
Analyses	Batch R345910 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzes   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Re	SampID: 24041166-001AMSD										
Batch R34910   SampType: MS   Units mg/L	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Date	Total Organic Carbon (TOC)		1.0		5.5	5.000	0.5300	98.8	5.530	1.09	04/17/202
Total Organic Carbon (TOC)		MS		Units mg/L							Date
Batch R345910   SampType: MSD	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Date	Total Organic Carbon (TOC)		1.0		8.1	5.000	3.140	99.0	85	115	04/17/202
Analyses		MSD		Units mg/L					RPD Lin	nit <b>10</b>	
Total Organic Carbon (TOC)   1.0   8.0   5.000   3.140   97.0   8.090   1.24   04/17/20	·	Cont	DI	Ouel	Dogult	Cnilco	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Batch R345910 SampType: MS         Units mg/L           SampID: 24041167-010AMS         Cert RL Qual Result         Spike SPK Ref Val REC Low Limit         High Limit High Limit         Date Analyzer Analyzer Analyzer           Total Organic Carbon (TOC)         1.0         5.8         5.000         0.6600         102.0         85         115         04/17/20           Batch R345910 SampType: SampID: 24041167-010AMSD         Cert RL Qual Result Spike SPK Ref Val REC RPD Ref Val RPD Analyzer         RPD Limit 10         Date Analyzer           Analyses         Cert RL Qual Result Spike SPK Ref Val REC RPD Ref Val Republication (TOC)         85         5.8         5.000         0.6600         101.8         5.760         0.17         04/17/20           Batch R345910 SampType: MS         Units mg/L         SampID: 24041167-014AMS           Analyses         Cert RL Qual Result Spike SPK Ref Val REC Low Limit High Limit Analyzer         Date Analyzer           Total Organic Carbon (TOC)         1.0         5.9         5.000         1.230         94.0         85         115         04/17/20           Batch R345910 SampType: MS         Units mg/L         RPD Limit 10           Batch R345910 SampType: MS         Units mg/L		Cert		Quai		•					•
Date	Total Organic Galbon (100)		1.0		0.0	3.000	3.140	57.0	0.030	1.24	04/11/20
Total Organic Carbon (TOC)   1.0   5.8   5.000   0.6600   102.0   85   115   04/17/20		MS		Units <b>mg/L</b>							Date
Batch R345910 SampType:         MSD         Units mg/L         RPD Limit 10         Date Analyses         Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD Analyzes         Date Analyzes         Date Analyzes         Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD Analyzes         SPR Ref Val %REC RPD Ref Val %RPD Analyzes         Date Analyzes         Date Analyzes         Date Analyzes         Date Analyzes         Date Analyzes         Date Analyzes         Date Analyzes         Date Analyzes         Date Analyzes         Date Analyzes         Date Analyzes         Date Analyzes         Date Analyzes         Date Analyzes         Date Analyzes         Date Analyzes         Date Analyzes         PRPD Limit 10         Date Analyzes         Date Analyzes         Date Analyzes         PRPD Limit 10         Date Analyzes         Date Analyzes         PRPD Limit 10         Date Analyzes         Date Analyzes         PRPD Limit 10         Date Analyzes         PRPD Limit 10         Date Analyzes         Date Analyzes         PRPD Limit 10         Date Analyzes         PRPD Limit 10         Date Analyzes         Date Analyzes         RPPD Limit 10         Date Analyzes         PRPD Limit 10         Date Analyzes         PRPD Limit 10         Date Analyzes         PRPD Limit 10         Date Analyzes         PRPD Limit 10         Date Analyzes         PRPD Limit 10         Date Analyzes         PRPD Limit 10         Date Analyzes	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Date   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzer   Analyzer   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzer   O4/17/20	Total Organic Carbon (TOC)		1.0		5.8	5.000	0.6600	102.0	85	115	04/17/20
Analyses	Batch R345910 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
Total Organic Carbon (TOC)   1.0   5.8   5.000   0.6600   101.8   5.760   0.17   0.4/17/20	SampID: 24041167-010AMSD										
Batch R345910 SampType: MS         Units mg/L           SampID: 24041167-014AMS         Analyses         Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyzer         Date Analyzer           Total Organic Carbon (TOC)         1.0         5.9         5.000 1.230 94.0 85 115 04/17/20         85 115 04/17/20           Batch R345910 SampType: SampID: 24041167-014AMSD         WSD Units mg/L         RPD Limit 10         Date Analyzer           Analyses         Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD         Analyzer         Analyzer           Total Organic Carbon (TOC)         1.0         6.1         5.000 1.230 97.0 5.930 2.50 04/17/20         04/17/20           Batch R345910 SampType: Batch R345910 SampType: Dup Units mg/L         RPD Limit 10         Bate Analyzer           Analyses         Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD         Date Analyzer	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
SamplD: 24041167-014AMS   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzed   Analyzed   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzed   Analyz	Total Organic Carbon (TOC)		1.0		5.8	5.000	0.6600	101.8	5.760	0.17	04/17/20
Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzer           Total Organic Carbon (TOC)         1.0         5.9         5.000         1.230         94.0         85         115         04/17/20           Batch R345910         SampType:         MSD         Units mg/L         RPD Limit         10           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD           Batch R345910         SampType:         DUP         Units mg/L         RPD Limit         10           SampID:         24041132-001ADUP         RPD Limit         10         Date           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD		MS		Units mg/L							
Total Organic Carbon (TOC)	SampID: 24041167-014AMS										
Batch R345910 SampType: MSD         Units mg/L         RPD Limit 10           SampID: 24041167-014AMSD         Date Analyses         Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD Analyzed Analyzed         Date Analyzed           Total Organic Carbon (TOC)         1.0         6.1         5.000         1.230         97.0         5.930         2.50         04/17/20           Batch R345910 SampType: Batch R345910 SampType: SampID: 24041132-001ADUP         Units mg/L         RPD Limit 10           Analyses         Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD         Analyzed Analyzed	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID: 24041167-014AMSD           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyzer           Total Organic Carbon (TOC)         1.0         6.1         5.000         1.230         97.0         5.930         2.50         04/17/20           Batch R345910 SampType: DUP         Units mg/L         RPD Limit 10           SampID: 24041132-001ADUP         Date Analyzer           Analyses         Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD         Analyzer	Total Organic Carbon (TOC)		1.0		5.9	5.000	1.230	94.0	85	115	04/17/20
Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyzer           Total Organic Carbon (TOC)         1.0         6.1         5.000         1.230         97.0         5.930         2.50         04/17/20           Batch R345910         SampType:         DUP         Units mg/L         RPD Limit         10           SampID:         24041132-001ADUP         Date         Analyzer           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyzer		MSD		Units mg/L					RPD Lin	nit <b>10</b>	Date
Total Organic Carbon (TOC)         1.0         6.1         5.000         1.230         97.0         5.930         2.50         04/17/20           Batch R345910 SampType: DUP         Units mg/L         RPD Limit 10           SampID: 24041132-001ADUP         Date Analyses           Analyses         Cert RL Qual Result         Spike SPK Ref Val %REC         RPD Ref Val %RPD         Analyzer	Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
SampID: 24041132-001ADUP  Analyses Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD Analyzed				•		•	1.230	97.0	5.930	2.50	04/17/20
Analyses Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD Analyzed		DUP		Units mg/L					RPD Lin	nit <b>10</b>	
Analyses Cert KL Qual Result Spike of Kilo Va. 70.420 M. 5 No. Va. 70.420	·	Cont	рī	Ougl	Pacult	Chiles	SPK Ref Val	%RFC	RPD Ref V	al %RPD	Date Analyzed
		Cert		Quai		Spike	JI ICICO VAI	701 KEO			04/17/20



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SW-846 9060A									
Batch R345910 SampType:	DUP		Units mg/L					RPD Limit 10	
SampID: 24041132-002ADUP									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RPD	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	
SamplD: 24041132-003ADUP			_						Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RPD	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									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RPD	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									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RPD	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									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RPD	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									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		< 1.0				0.00	04/17/2024
Batch R345910 SampType:	DUP		Units mg/L					RPD Limit 10	
SampID: 24041167-003ADUP									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		3.6				3.800 5.13	04/17/202
Batch R345910 SampType:	DUP		Units mg/L					RPD Limit 10	
SampID: 24041167-004ADUP	C.	DI	0 1	D 1:	C 11	SPK Ref Val	0/ DEC	DDD Dof Vol. 9/ DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	ork ket val	%KEU	RPD Ref Val %RPD	
Total Organic Carbon (TOC)		1.0		5.3				5.350 0.19	04/17/202



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SW-846 9060A									
Batch R345910 SampType:	DUP		Units mg/L					RPD Limit 10	
SampID: 24041167-005ADUP									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		3.2				3.180 0.95	04/17/202
Batch R345910 SampType:	DUP		Units mg/L					RPD Limit 10	
SampID: 24041167-006ADUP									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		< 1.0				0 0.00	04/17/202
<b>Batch R345910 SampType:</b> SampID: 24041167-007ADUP	DUP		Units mg/L					RPD Limit 10	
•	Comt	DI	Oval	Dagult	Cmileo	SPK Ref Val	%REC	RPD Ref Val %RPD	Date Analyzed
Analyses  Total Organic Carbon (TOC)	Cert	1.0	Qual	Result	Spike	JI K KGI VAI	701 KEO	3.670 0.81	04/17/202
Total Organic Carbon (TOC)		1.0		3.7				3.670 0.61	04/17/202
Batch R345910 SampType:	DUP		Units mg/L					RPD Limit 10	
SampID: 24041167-008ADUP									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		5.1				4.990 1.79	04/17/202
Batch R345910 SampType:	DUP		Units mg/L					RPD Limit 10	
SampID: 24041167-009ADUP									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		2.2				2.100 5.10	04/17/20
Batch R345910 SampType:	DUP		Units mg/L					RPD Limit 10	
SampID: 24041167-010ADUP									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RPD	Analyzed
Total Organic Carbon (TOC)		1.0	J	0.6				0.6600 0.00	04/17/20
Batch R345910 SampType:	DUP		Units mg/L					RPD Limit 10	
SampID: 24041167-011ADUP									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		1.3				1.340 0.00	04/17/202
Batch R345910 SampType:	DUP		Units mg/L					RPD Limit 10	
SampID: 24041167-012ADUP									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RPD	Analyzed
T III a 1 5 C S									



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SW-846 9060A										
Batch R345910 SampType:	DUP	Uni	ts mg/L					RPD L	imit 10	
SampID: 24041167-013ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	/al %RPD	Analyzed
Total Organic Carbon (TOC)		1.0	J	0.9				0.9200	0.00	04/17/202
Batch R345910 SampType:	DUP	Uni	ts <b>mg/L</b>					RPD L	imit 10	
SampID: 24041167-014ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	/al %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		1.2				1.230	1.61	04/17/2024
<b>Batch R345910 SampType</b> : SampID: 24041342-001BDUP	DUP	Uni	ts <b>mg/L</b>					RPD L	imit 10	
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	√al %RPD	Date Analyzed
Total Organic Carbon (TOC)	CCIT	1.0	Quai	2.2	Брікс			2.210	1.37	04/17/202
Batch R345910 SampType:	DUP	Uni	ts mg/L					RPD L	imit <b>10</b>	
SampID: 24041378-001ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	/al %RPD	Analyzed
Total Organic Carbon (TOC)		10000		22200				22340	0.49	04/17/202
Batch R345910 SampType:	DUP	Uni	ts mg/L					RPD L	imit 10	
SampID: 24041378-002ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	/al %RPD	Analyzed
Total Organic Carbon (TOC)		10000		22200				22310	0.58	04/17/202
<b>Batch R345910 SampType:</b> SampID: 24041378-003ADUP	DUP	Uni	ts mg/L					RPD L	imit 10	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	√al %RPD	Date Analyzed
Total Organic Carbon (TOC)	CCIT	10000	Quai	23400	Брікс			24580	5.00	04/17/2024
Batch R345910 SampType:	DUP	Uni	ts mg/L					RPD L	imit 10	
SampID: 24041378-004ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	/al %RPD	Analyzed
Total Organic Carbon (TOC)		10000		24800				25350	2.28	04/17/202



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	AL)										
Batch R345502 SampID: ICB/MBLK	SampType:	MBLK	l	Jnits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenols			0.005		< 0.005	0.0028	0	0	-100	100	04/09/202
Batch R345502 SampID: ICV/LCS	SampType:	LCS	l	Jnits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenols			0.005		0.051	0.0500	0	101.7	90	110	04/09/202
<b>Batch R345502 S</b> SampID: 24040452-00		MS	l	Jnits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenols			0.005		0.063	0.0500	0.01015	105.6	90	110	04/09/202
	SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	nit <b>15</b>	
SampID: 24040452-00 Analyses	01GMSD	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Phenols		Cort	0.005	Quai	0.061	0.0500	0.01015	101.2	0.06297	3.56	04/09/202
Batch R345502 \$	SampType:	MS	l	Jnits <b>mg/L</b>							
SampID: 24040622-02				_	Pacult	Snika	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
		MS Cert	RL 0.005	Jnits <b>mg/L</b> Qual  S	Result <b>0.055</b>	Spike 0.0500	SPK Ref Val	%REC 110.7	Low Limit	High Limit	
SampID: 24040622-02  Analyses  Phenols  Batch R345502	SampType:		RL 0.005	Qual						110	Analyzed
SampID: 24040622-02  Analyses  Phenols  Batch R345502	SampType:	Cert	RL 0.005	Qual S		0.0500			90	110 nit <b>15</b>	Analyzed
SampID:       24040622-02         Analyses       Phenols         Batch       R345502         SampID:       24040622-02	SampType:	Cert	RL 0.005	Qual S Jnits mg/L	0.055		0	110.7	90 RPD Lir	110 nit <b>15</b>	Analyzed 04/09/202
SampID: 24040622-02 Analyses Phenols  Batch R345502 S SampID: 24040622-02 Analyses Phenols	SampType: 25AMSD SampType:	Cert  MSD  Cert	RL 0.005 RL 0.005	Qual S Jnits mg/L	0.055	0.0500 Spike	0 SPK Ref Val	110.7 %REC	90 RPD Lir RPD Ref V	110 nit <b>15</b> al %RPD	Analyzed 04/09/202  Date Analyzed
SampID: 24040622-02  Analyses Phenols  Batch R345502 S SampID: 24040622-02  Analyses Phenols  Batch R345502 S	SampType: 25AMSD SampType:	Cert  MSD  Cert	RL 0.005 RL 0.005	Qual S Units mg/L Qual	0.055	0.0500 Spike	0 SPK Ref Val 0	110.7 %REC 107.7	90 RPD Lir RPD Ref V	110 nit <b>15</b> al %RPD 2.78	O4/09/202  Date Analyzed O4/09/202
SampID:       24040622-02         Analyses       Phenols         Batch R345502       S         SampID:       24040622-02         Analyses       Phenols         Batch R345502       S         SampID:       24040622-03         SampID:       24040622-03	SampType: 25AMSD SampType:	Cert  MSD  Cert	RL 0.005	Qual S Units mg/L Qual Units mg/L	0.055  Result 0.054	0.0500 Spike 0.0500	SPK Ref Val 0 SPK Ref Val	110.7 %REC 107.7	90 RPD Lir RPD Ref V 0.05537	110 nit <b>15</b> al %RPD 2.78	Date Analyzed 04/09/202
SampID:       24040622-02         Analyses       Phenols         Batch R345502       S         SampID:       24040622-02         Analyses       Phenols         Batch R345502       S         SampID:       24040622-03         Analyses       Phenols         Batch R345502       S         Batch R345502       S	SampType: 25AMSD SampType: 30AMS SampType:	MSD  Cert  MS  Cert	RL 0.005  RL 0.005	Qual S Units mg/L Qual Units mg/L	Result 0.054  Result	0.0500 Spike 0.0500 Spike	SPK Ref Val 0 SPK Ref Val	110.7 %REC 107.7	90  RPD Lir  RPD Ref Vol. 0.05537	110 nit 15 al %RPD 2.78 High Limit 110	Date Analyzed  04/09/202  Date Analyzed  04/09/202  Date Analyzed
SampID: 24040622-02 Analyses Phenols  Batch R345502 S SampID: 24040622-02 Analyses Phenols  Batch R345502 S SampID: 24040622-03 Analyses Phenols  Analyses Phenols	SampType: 25AMSD SampType: 30AMS SampType:	MSD  Cert  MS  Cert	RL 0.005  RL 0.005	Qual S Units mg/L Qual Units mg/L Qual	Result 0.054  Result	0.0500 Spike 0.0500 Spike	SPK Ref Val 0 SPK Ref Val	%REC 107.7 %REC 108.6	90  RPD Lir  RPD Ref Volume 1	110 nit 15 al %RPD 2.78 High Limit 110	Date Analyzed  04/09/202  Date Analyzed  04/09/202  Date Analyzed



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<b>Batch R345502 SampType:</b> SampID: 24040707-001GMS	MS	ι	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenols		0.005		0.056	0.0500	0.003450	105.8	90	110	04/09/202
<b>Batch R345502 SampType:</b> SampID: 24040707-001GMSD	MSD	Į	Jnits <b>mg/L</b>					RPD Lin	nit <b>15</b>	Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Phenols		0.005	Quui	0.056	0.0500	0.003450	105.7	0.05637	0.16	04/09/202
Batch R345599 SampType: SampID: ICB/MBLK	MBLK	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenois		0.005	Q uui	< 0.005	0.0028	0	0	-100	100	04/10/202
Batch R345599 SampType: SampID: ICV/LCS	LCS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenois		0.005		0.052	0.0500	0	104.6	90	110	04/10/202
Batch R345599 SampType:	MS	l	Jnits <b>mg/L</b>							
SampID: 24040790-002BMS Analyses	Cert	RL	Oual	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	04/10/202
<b>Batch R345599 SampType:</b> SampID: 24040790-002BMSD	MSD	l	Jnits <b>mg/L</b>					RPD Lin	nit <b>15</b>	Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Phenois		0.005	S	0.083	0.0500	0.01931	128.2	0.08596	2.99	04/10/202
Batch R345599 SampType:	MS	l	Jnits <b>mg/L</b>							Date
SampID: 24040839-001DMS		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID: 24040839-001DMS  Analyses	Cert									0.4/4.0/000
·	Cert	0.005	S	0.062	0.0500	0	123.5	90	110	04/10/202
Analyses Phenols  Batch R345599 SampType:		0.005	S Jnits <b>mg/L</b>	0.062	0.0500	0	123.5	90 RPD Lin		04/10/202
Analyses Phenols		0.005		0.062 Result	0.0500 Spike	0 SPK Ref Val			nit <b>15</b>	Date Analyzed



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Batch R345599 SampType:	MS		Units mg/L							
SampID: 24040840-001DMS	IVIO		Office Hig/L							Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Phenols	Cert	0.005	S	0.068	0.0500	0.009430	118.0	90	110	04/10/202
THOROIS		0.000	J	0.000	0.0000	0.000400	110.0	30	110	04/10/202
Batch R345599 SampType:	MSD		Units <b>mg/L</b>					RPD Lin	nit <b>15</b>	
SampID: 24040840-001DMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Phenols		0.005	S	0.066	0.0500	0.009430	113.6	0.06845	3.30	04/10/202
Batch R345833 SampType:	MBLK		Units <b>mg/L</b>							
SampID: ICB/MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	04/15/202
Batch R345833 SampType:	MBLK		Units <b>mg/L</b>							
SampID: MBLK-211820										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenols	*	0.005		< 0.005	0.0028	0	0	-100	100	04/15/202
Batch R345833 SampType:	LCS		Units <b>mg/L</b>							
SampID: ICV/LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenols		0.005		0.051	0.0500	0	102.9	90	110	04/15/202
Batch R345833 SampType:	MS		Units <b>mg/L</b>							
SampID: 24040986-002CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenols		0.010		0.111	0.1000	0.01615	95.2	90	110	04/15/202
Batch R345833 SampType:	MSD		Units mg/L					RPD Lin	nit <b>15</b>	
SampID: 24040986-002CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Phenols		0.010		0.118	0.1000	0.01615	101.5	0.1114	5.49	04/15/202
Batch R345833 SampType:	MS		Units mg/L							
SampID: 24041055-002BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenols		0.005	S	0.060	0.0500	0	120.1	90	110	04/15/202



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<b>Batch R345833 San</b> SampID: 24041055-002B	прТуре:	MSD	l	Jnits <b>mg/L</b>					DDD I	-1-4E	
SampID: 24041055-002B			-	Jillo IIIg/L					RPD Lir	nit 15	
	MSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Phenols			0.005	S	0.058	0.0500	0	116.5	0.06007	3.06	04/15/202
<b>Batch R345833 San</b> SampID: 24041058-002A	npType: MS	MS	l	Jnits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenols			0.025		0.284	0.2500	0.03364	100.2	90	110	04/15/202
Batch R345833 San	прТуре:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	mit <b>15</b>	
SampID: 24041058-002A	MSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Phenols			0.025		0.292	0.2500	0.03364	103.5	0.2842	2.84	04/15/202
<b>Batch R345833 San</b> SampID: 24041075-002C	npType: :MS	MS	l	Jnits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenols			0.005	S	0.056	0.0500	0	112.9	90	110	04/15/202
2 41111	прТуре:	MSD	l	Jnits mg/L					RPD Lir	mit <b>15</b>	
SampID: 24041075-002C	MSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Phenols			0.005	S	0.057	0.0500	0	113.6	0.05644	0.62	04/15/202
SW-846 9214 (DISSOL	VED)										
<b>Batch R345765 San</b> SampID: 24031341-032B	npType: MS	MS	l	Jnits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.10		2.29	2.000	0.2920	100.0	75	125	04/15/202
	npType:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	mit <b>15</b>	
CID. 04004044 000D	MSD										Date
Sampid: 24031341-032B											
SampID: 24031341-032B  Analyses  Fluoride		Cert	RL 0.10	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed



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Da4ah D3/536/ 9	AL) SampType:	MRIK		Units mg/L							
Batch R345364 S SampID: MBLK	Samp i ype.	WIDLK		Office Hig/L							Data
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		CCIT	0.10	Quai	< 0.10	0.0500	0	0	-100	100	04/05/202
								•			
Batch R345364 S	SampType:	LCS		Units mg/L							
SampID: LCS											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.10		0.92	1.000	0	92.0	90	110	04/05/202
Batch R345364 S	SampType:	MS		Units mg/L							
SampID: 24040066-00	D1AMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.10		2.74	2.000	0.5870	107.8	75	125	04/05/202
	SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24040066-00	D1AMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Fluoride			0.10		2.67	2.000	0.5870	104.2	2.742	2.62	04/05/202
Batch R345364 S	SampType:	MS		Units mg/L							
		MS		Units mg/L							Date
		MS Cert	RL	Units mg/L Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: 24040265-01			RL 0.10	_	Result 2.20	Spike 2.000	SPK Ref Val 0.09100	%REC 105.2	Low Limit 75	High Limit 125	
SampID: 24040265-01  Analyses  Fluoride  Batch R345364	18AMS SampType:			_						125	Analyzed
SampID: 24040265-01  Analyses  Fluoride  Batch R345364	18AMS SampType:	Cert		Qual					75	125	Analyzed 04/05/202 Date
SampID: 24040265-01  Analyses  Fluoride  Batch R345364	18AMS SampType:	Cert		Qual				105.2	75	125 mit <b>15</b>	Analyzed 04/05/202
SampID: 24040265-01  Analyses  Fluoride  Batch R345364 S  SampID: 24040265-01	18AMS SampType:	Cert	0.10	Qual Units mg/L	2.20	2.000	0.09100	105.2	75 RPD Lir	125 mit <b>15</b>	Analyzed 04/05/202 Date
SampID: 24040265-01  Analyses Fluoride  Batch R345364 S SampID: 24040265-01  Analyses Fluoride  Batch R345364 S	SampType: 18AMSD SampType:	Cert  MSD  Cert	0.10 RL	Qual Units mg/L	2.20 Result	2.000 Spike	0.09100 SPK Ref Val	105.2 %REC	75 RPD Lir RPD Ref V	125 mit <b>15</b> al %RPD	Analyzed 04/05/202  Date Analyzed
SampID: 24040265-01  Analyses Fluoride  Batch R345364 SampID: 24040265-01  Analyses Fluoride  Batch R345364	SampType: 18AMSD SampType:	Cert  MSD  Cert	0.10 RL	Qual Units mg/L Qual	2.20 Result	2.000 Spike	0.09100 SPK Ref Val	105.2 %REC	75 RPD Lir RPD Ref V	125 mit <b>15</b> al %RPD	Date Analyzed 04/05/202
SampID: 24040265-01 Analyses Fluoride  Batch R345364 S SampID: 24040265-01 Analyses Fluoride  Batch R345364 S SampID: 24040265-02 Analyses Analyses	SampType: 18AMSD SampType:	Cert  MSD  Cert	0.10 RL 0.10	Qual Units mg/L Qual	Result 2.16  Result	Spike 2.000 Spike	0.09100 SPK Ref Val 0.09100 SPK Ref Val	105.2 %REC 103.4 %REC	75  RPD Lir  RPD Ref V 2.195	125 mit <b>15</b> al %RPD 1.61 High Limit	Date Analyzed  04/05/202  Date Analyzed  04/05/202  Date Analyzed
SampID: 24040265-01  Analyses  Fluoride  Batch R345364 SampID: 24040265-01  Analyses  Fluoride  Batch R345364 SampID: 24040265-02	SampType: 18AMSD SampType:	Cert  MSD  Cert	0.10 RL 0.10	Qual Units mg/L Qual Units mg/L	2.20  Result 2.16	2.000 Spike 2.000	0.09100 SPK Ref Val 0.09100	105.2 %REC 103.4	75 RPD Lir RPD Ref V 2.195	125 mit <b>15</b> al %RPD 1.61	Date Analyzed  04/05/202  Date Analyzed  04/05/202  Date Analyzed
SampID: 24040265-01  Analyses Fluoride  Batch R345364 S SampID: 24040265-01  Analyses Fluoride  Batch R345364 S SampID: 24040265-02  Analyses Fluoride  Batch R345364 S SampID: 24040265-02  Analyses Fluoride	SampType: 18AMSD SampType: 23AMS SampType:	Cert  MSD  Cert	0.10 RL 0.10	Qual Units mg/L Qual Units mg/L	Result 2.16  Result	Spike 2.000 Spike	0.09100 SPK Ref Val 0.09100 SPK Ref Val	105.2 %REC 103.4 %REC	75  RPD Lir  RPD Ref V 2.195	125 mit <b>15</b> al %RPD 1.61 High Limit 125	Date Analyzed 04/05/202
SampID: 24040265-01  Analyses Fluoride  Batch R345364 S SampID: 24040265-01  Analyses Fluoride  Batch R345364 S SampID: 24040265-02  Analyses Fluoride  Analyses Fluoride	SampType: 18AMSD SampType: 23AMS SampType:	Cert  MSD  Cert  MS  Cert	0.10 RL 0.10	Qual Units mg/L Qual Units mg/L Qual	Result 2.16  Result	Spike 2.000 Spike	0.09100 SPK Ref Val 0.09100 SPK Ref Val	105.2 %REC 103.4 %REC	75  RPD Lir  RPD Ref V 2.195  Low Limit 75	125 mit <b>15</b> al %RPD 1.61 High Limit 125	Date Analyzed  04/05/202  Date Analyzed  04/05/202  Date Analyzed



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Batch R345364 SampType:	MS		Units mg/L							
SamplD: 24040463-001AMS	IIIO		Offito Hig/L							Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Fluoride	CCIT	0.10	Quai	2.30	2.000	0.2700	101.6	75	125	04/05/202
Traditad		0.10		2.00	2.000	0.27 00	101.0	70	120	0-1/00/202
Batch R345364 SampType:	MSD		Units mg/L					RPD Lin	nit <b>15</b>	
SampID: 24040463-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Fluoride		0.10		2.40	2.000	0.2700	106.6	2.301	4.30	04/05/202
Batch R345364 SampType:	MS		Units mg/L							
SampID: 24040516-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		2.24	2.000	0.3160	96.1	75	125	04/05/202
Batch R345364 SampType:	MSD		Units mg/L					RPD Lin	nit <b>15</b>	
SampID: 24040516-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Fluoride		0.10		2.44	2.000	0.3160	106.3	2.238	8.72	04/05/202
Batch R345417 SampType:	MBLK		Units mg/L							
SampID: MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	04/08/202
Batch R345417 SampType:	LCS		Units mg/L							
SampID: LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		1.05	1.000	0	105.2	90	110	04/08/202
Batch R345417 SampType:	MS		Units mg/L							
SampID: 24031341-021AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		2.76	2.000	0.5840	109.0	75	125	04/08/202
Batch R345417 SampType:	MSD		Units mg/L					RPD Lin	nit <b>15</b>	
SampID: 24031341-021AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Fluoride		0.10		2.74	2.000	0.5840	108.0	2.763	0.69	04/08/202



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Batch R345417 SampType	: MS		Units mg/L							
SampID: 24031341-065AMS	. 1413		Office Ing/L							Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Fluoride	CCIT	0.10	Quai	2.85	2.000	0.8060	102.2	75	125	04/08/202
Tractiac		0.10		2.00	2.000	0.0000	102.2	70	120	0-1/00/202
Batch R345417 SampType	: MSD		Units mg/L					RPD Lin	nit <b>15</b>	
SampID: 24031341-065AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Fluoride		0.10		2.73	2.000	0.8060	96.1	2.849	4.34	04/08/202
Batch R345765 SampType	: MBLK		Units mg/L							
SampID: MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	04/15/202
Batch R345765 SampType	: LCS		Units mg/L							
SampID: LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		1.08	1.000	0	107.5	90	110	04/15/202
Batch R345765 SampType	: MS		Units mg/L							
SampID: 24031341-067FMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		2.19	2.000	0	109.5	75	125	04/15/202
Batch R345765 SampType	: MSD		Units mg/L					RPD Lin	nit <b>15</b>	
SampID: 24031341-067FMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Fluoride		0.10		2.16	2.000	0	108.2	2.190	1.24	04/15/202
<b>Batch R345765 SampType</b> SampID: 24040983-010AMS	: MS		Units mg/L							_
•	Cont	RL	Ouel	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses Fluoride	Cert	0.10	Qual	2.40	2.000	0.1420	113.0	75	125	04/15/202
i idoilde		0.10		2.40	2.000	0.1420	113.0	73	120	04/13/202
Batch R345765 SampType	: MSD		Units mg/L					RPD Lin	nit <b>15</b>	
SampID: 24040983-010AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed



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<b>Batch R345765 SampType:</b> SampID: 24041075-001AMS	MS		Units mg/L							_
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	Cert	0.10	Quai	2.66	2.000	0.4680	109.5	75	125	04/15/202
. 145.145		00				0000		. •	0	0 1, 10,202
<b>Batch R345765 SampType</b> : SampID: 24041075-001AMSD	MSD		Units mg/L					RPD Lim	nit <b>15</b>	
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Fluoride	CCIT	0.10	Quai	2.61	2.000	0.4680	107.3	2.658	1.67	04/15/202
<b>Batch R345765 SampType:</b> SampID: 24041113-002CMS	MS		Units mg/L							
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	Cert	1.00	Quai	18.6	20.00	0.8000	89.0	75	125	04/15/202
Traditad		1.00		10.0	20.00	0.0000	00.0	, 0	120	0 1/ 10/202
Batch R345765 SampType:	MSD		Units mg/L					RPD Lim	nit <b>15</b>	
SampID: 24041113-002CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
Fluoride		1.00		18.9	20.00	0.8000	90.4	18.60	1.55	04/15/202
Batch R345902 SampType:	MBLK		Units mg/L							
SampID: MBLK										Date
Amalyzas	Cont	DI	Oval	Dogult	Cmileo	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Analyses Fluoride	Cert	RL 0.10	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	Analyzed
Analyses Fluoride	Cert	RL 0.10	Qual	Result	Spike 0.0500		%REC 0	Low Limit	High Limit	
			Qual Units mg/L		·				Ū	Analyzed 04/17/202
Fluoride  Batch R345902 SampType:					·				Ū	Analyzed
Fluoride  Batch R345902 SampType: SampID: LCS	LCS	0.10	Units <b>mg/L</b>	< 0.10	0.0500	0	0	-100	100	Analyzed  04/17/202  Date Analyzed
Fluoride  Batch R345902 SampType: SampID: LCS Analyses	LCS Cert	0.10 RL	Units <b>mg/L</b>	< 0.10	0.0500 Spike	0 SPK Ref Val	0 %REC	-100 Low Limit	100 High Limit	Analyzed  04/17/202  Date Analyzed
Fluoride  Batch R345902 SampType: SampID: LCS  Analyses Fluoride  Batch R345902 SampType:	LCS Cert	0.10 RL	Units <b>mg/L</b> Qual	< 0.10	0.0500 Spike	0 SPK Ref Val	%REC 91.9	-100 Low Limit	100 High Limit 110	04/17/202  Date Analyzed  04/17/202
Fluoride  Batch R345902 SampType: SampID: LCS  Analyses Fluoride  Batch R345902 SampType: SampID: 24040908-001BMS	Cert MS	0.10 RL 0.10	Units mg/L Qual Units mg/L	< 0.10  Result 0.92	0.0500 Spike 1.000	O SPK Ref Val O	%REC 91.9	-100 Low Limit 90	100 High Limit 110	Date Analyzed 04/17/202
Fluoride  Batch R345902 SampType: SampID: LCS Analyses Fluoride  Batch R345902 SampType: SampID: 24040908-001BMS Analyses Fluoride  Batch R345902 SampType:	Cert  MS  Cert	0.10  RL 0.10	Units mg/L Qual Units mg/L	Result 0.92	Spike 1.000	SPK Ref Val 0	%REC 91.9	Low Limit	High Limit 110  High Limit 125	Date Analyzed  04/17/202  Date Analyzed  04/17/202  Date Analyzed
Fluoride  Batch R345902 SampType: SampID: LCS Analyses Fluoride  Batch R345902 SampType: SampID: 24040908-001BMS Analyses Fluoride	Cert  MS  Cert	0.10  RL 0.10	Units mg/L  Qual  Units mg/L  Qual	Result 0.92	Spike 1.000	SPK Ref Val 0	%REC 91.9 %REC 114.0	Low Limit 90  Low Limit 75	High Limit 110  High Limit 125	Date Analyzed  04/17/202  Date Analyzed  04/17/202  Date Analyzed



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SW-846 9251 (DISSOLVED)										
Batch R345325 SampType:	MS		Units mg/L							
SampID: 24031341-042BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	Analyzed
Chloride		8	E	100	40.00	64.37	89.2	85	115	04/04/202
Batch R345325 SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24031341-042BMSD	a	D.	0 1	<b>D</b>	a	CDK D-f V-l	0/ DEC	DDD D-41/	-I 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		•
Chloride		8		99	40.00	64.37	87.1	100.1	0.84	04/04/202
Batch         R345325         SampType:           SampID:         24031341-044BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		20		152	100.0	58.61	93.2	85	115	04/04/202
Batch R345325 SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24031341-044BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride		20		152	100.0	58.61	93.0	151.8	0.14	04/04/202
Batch R345412 SampType:	MS		Units mg/L							
SampID: 24031341-023BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		35	20.00	17.88	86.2	85	115	04/05/202
Batch R345412 SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24031341-023BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride		4		35	20.00	17.88	86.4	35.11	0.14	04/05/202
Batch         R345623         SampType:           SampID:         24031341-002BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		20		158	100.0	71.88	85.8	85	115	04/10/202
Batch R345623 SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24031341-002BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
						71.88		157.6	3.23	04/10/20



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SW-846 9251 (TOTAL)										
Batch R345325 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		< 4	0.5000	0	0	-100	100	04/04/2024
Batch R345325 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		21	20.00	0	103.0	90	110	04/04/202
Batch         R345325         SampType:           SampID:         24040263-001CMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		37	20.00	18.83	92.2	85	115	04/04/202
<b>Batch R345325 SampType:</b> SampID: 24040263-001CMSD	MSD		Units mg/L					RPD Lir	nit <b>15</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride	CCIT	4	Quui	37	20.00	18.83	90.1	37.27	1.13	04/04/202
Batch R345325 SampType: SampID: 24040264-001BMS		DI	Units mg/L	Docult	Cmileo	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses Chloride	Cert	RL 4	Qual	Result 28	Spike 20.00	8.070	98.4	85	115	04/04/202
Chionac		7			20.00	0.070	30.4		110	04/04/202
Batch R345325 SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24040264-001BMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Chloride		4		27	20.00	8.070	96.1	27.74	1.64	04/04/202
Batch         R345325         SampType:           SampID:         24040306-001BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		24	20.00	4.130	97.3	85	115	04/04/202
			Heite					RPD Lir	nit <b>15</b>	
	MSD		Units mg/L							
Batch R345325 SampType: SampID: 24040306-001BMSD Analyses	<b>MSD</b> Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		Date Analyzed



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Client: Ramboll Work Order: 24031341

Client Project: NEW-24Q2 Report Date: 14-May-24

<b>Batch R345325</b> SampID: 24040308-0	SampType:	MS		Units mg/L							
Analyses	JUSAIVIS	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Chloride		Cert	40	Quai	326	200.0	145.3	90.5	85	115	04/04/202
Batch R345325	SampType:	MSD		Units mg/L					RPD Lin	nit <b>15</b>	
SampID: 24040308-0	003AMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Chloride			40		323	200.0	145.3	88.9	326.2	0.98	04/04/202
Batch R345412 SampID: ICB/MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4	-	<4	0.5000	0	0	-100	100	04/05/202
Batch R345412 SampID: ICV/LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4	•	20	20.00	0	102.5	90	110	04/05/202
Batch R345468	SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		CCIT	4	Quai	<4	0.5000	0	0	-100	100	04/08/202
Batch R345468 SampID: ICV/LCS	SampType:	LCS		Units mg/L							
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride			4	<b>V</b>	21	20.00	0	106.0	90	110	04/08/202
Batch R345531 SampID: ICB/MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4		< 4	0.5000	0	0	-100	100	04/09/202
Batch R345531 SampID: ICV/LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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Batch R345531 SampType:	MS		Units mg/L							
SampID: 24040758-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		8		71	40.00	36.15	88.0	85	115	04/09/202
Batch R345531 SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24040758-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Chloride		8		72	40.00	36.15	89.1	71.34	0.63	04/09/202
Batch R345623 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		< 4	0.5000	0	0	-100	100	04/10/202
Batch R345623 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4	<b>Q</b>	21	20.00	0	104.2	90	110	04/10/202
Batch R345623 SampType: SampID: 24031341-009AMS		DI	Units mg/L	Danulé	C:1	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses	Cert	RL 4	Qual	Result 40	Spike 20.00	22.67			115	04/10/202
Chloride		4		40	20.00	22.07	85.3	85	115	04/10/202
Batch R345623 SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
	MSD		Units mg/L					RPD Lir	nit <b>15</b>	Date
	MSD Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	RPD Lir		Date Analyzed
SampID: 24031341-009AMSD		RL 4	J	Result 40	Spike 20.00	SPK Ref Val 22.67	%REC 85.3			Analyzed
SampID: 24031341-009AMSD Analyses	Cert		J					RPD Ref Va	al %RPD	Analyzed 04/10/202 Date
SampID: 24031341-009AMSD  Analyses Chloride  Batch R345623 SampType:	Cert		Qual				85.3	RPD Ref Va	al %RPD	Analyzed 04/10/202
SampID: 24031341-009AMSD  Analyses Chloride  Batch R345623 SampType: SampID: 24031341-012AMS	Cert	4	Qual Units mg/L	40	20.00	22.67	85.3	RPD Ref Va 39.72	0.00	Analyzed 04/10/202 Date
SampID: 24031341-009AMSD  Analyses Chloride  Batch R345623 SampType: SampID: 24031341-012AMS  Analyses Chloride  Batch R345623 SampType:	MS  Cert	4 RL	Qual Units mg/L	<b>40</b> Result	20.00 Spike	22.67 SPK Ref Val	85.3 %REC	RPD Ref Va 39.72 Low Limit	al %RPD  0.00  High Limit  115	Analyzed  04/10/202  Date Analyzed  04/10/202
SampID: 24031341-009AMSD  Analyses Chloride  Batch R345623 SampType: SampID: 24031341-012AMS  Analyses Chloride	MS  Cert	4 RL	Qual Units mg/L Qual	<b>40</b> Result	20.00 Spike	22.67 SPK Ref Val	85.3 %REC	RPD Ref Va 39.72 Low Limit 85	al %RPD 0.00  High Limit 115	Analyzed 04/10/202  Date Analyzed



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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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		20	20.00	1.800	92.4	85	115	04/10/2024
<b>Batch R345623 SampType:</b> SampID: 24040797-001AMSD	MSD		Units mg/L					RPD Lir	nit <b>15</b>	Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Chloride	Cort	4	Quui	20	20.00	1.800	92.2	20.27	0.10	04/10/2024
Batch R345788 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4	<b>Q</b> 3.332	< 4	0.5000	0	0	-100	100	04/15/2024
Batch R345788 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		22	20.00	0	109.2	90	110	04/15/2024
Batch         R345788         SampType:           SampID:         24040983-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		21	20.00	1.760	94.1	85	115	04/15/2024
<b>Batch R345788 SampType:</b> SampID: 24040983-001AMSD	MSD		Units mg/L					RPD Lir	nit <b>15</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Chloride		4		21	20.00	1.760	94.2	20.57	0.15	04/15/2024
Batch         R345788         SampType:           SampID:         24041015-002AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		25	20.00	5.870	95.8	85	115	04/15/2024
Batch R345788 SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24041015-002AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Chloride		4		25	20.00	5.870	93.8	25.02	1.53	04/15/2024



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Batch R345788 SampType:	MS		Units mg/L							
SampID: 24041075-001AMS			<b>g</b> -							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4	Q out	22	20.00	3.520	92.6	85	115	04/15/2024
Batch R345788 SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24041075-001AMSD										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		•
Chloride		4		23	20.00	3.520	95.7	22.03	2.78	04/15/202
Batch         R345788         SampType:           SampID:         24041179-002AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4	-	21	20.00	1.970	97.0	85	115	04/15/202
Batch R345788 SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24041179-002AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Chloride		4		21	20.00	1.970	95.0	21.36	1.79	04/15/202
Batch R345788 SampType:	MS		Units mg/L							
			· ·							
SampID: 24041187-007AMS	Cort	DI	-	Dacult	Snika	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: 24041187-007AMS  Analyses  Chloride	Cert	RL 4	Qual	Result	Spike 20.00	SPK Ref Val	%REC 89.3	Low Limit 85	High Limit	
Analyses Chloride	Cert		-		·				115	Analyzed
Analyses Chloride  Batch R345788 SampType:			Qual		·			85	115	Analyzed
Analyses Chloride  Batch R345788 SampType:			Qual		·		89.3	85	115 mit <b>15</b>	Analyzed 04/15/202
Analyses Chloride  Batch R345788 SampType: SampID: 24041187-007AMSD	MSD	4	Qual Units mg/L	35	20.00	16.71	89.3	85 RPD Lir	115 mit <b>15</b>	Analyzed 04/15/202
Analyses Chloride  Batch R345788 SampType: SampID: 24041187-007AMSD Analyses	MSD Cert	4 RL	Qual Units mg/L	35 Result	20.00 Spike	16.71 SPK Ref Val	89.3 %REC	85 RPD Lir RPD Ref Va	115 mit <b>15</b> al %RPD	Analyzed  04/15/202  Date Analyzed
Analyses Chloride  Batch R345788 SampType: SampID: 24041187-007AMSD  Analyses Chloride  Batch R345788 SampType:	MSD Cert	RL 4	Qual Units mg/L Qual	35 Result	20.00 Spike	16.71 SPK Ref Val	89.3 %REC 90.2	85 RPD Lir RPD Ref Va	115 mit <b>15</b> al %RPD	O4/15/202  Date Analyzed  04/15/202
Analyses Chloride  Batch R345788 SampType: SampID: 24041187-007AMSD  Analyses Chloride  Batch R345788 SampType: SampID: 24041187-009AMS	MSD Cert	RL 4	Qual Units mg/L Qual Units mg/L	Result 35	20.00 Spike 20.00	16.71 SPK Ref Val 16.71	89.3 %REC 90.2	85 RPD Lin RPD Ref Vo 34.57	115 mit <b>15</b> al %RPD 0.49	Date Analyzed 04/15/202
Analyses Chloride  Batch R345788 SampType: SampID: 24041187-007AMSD  Analyses Chloride  Batch R345788 SampType: SampID: 24041187-009AMS  Analyses Chloride  Batch R345788 SampType:	MSD Cert	RL 4	Qual Units mg/L Qual Units mg/L	Result 35 Result	Spike 20.00 Spike	SPK Ref Val 16.71 SPK Ref Val	89.3  %REC  90.2  %REC	RPD Lir RPD Ref Va 34.57	115 mit 15 al %RPD 0.49  High Limit 115	Date Analyzed  04/15/202  Date Analyzed  04/15/202  Date Analyzed
Analyses Chloride  Batch R345788 SampType: SampID: 24041187-007AMSD  Analyses Chloride  Batch R345788 SampType: SampID: 24041187-009AMS  Analyses Chloride	MSD  Cert  MS  Cert	RL 4	Qual Units mg/L Qual Units mg/L Qual	Result 35 Result	Spike 20.00 Spike	SPK Ref Val 16.71 SPK Ref Val	89.3  %REC  90.2  %REC	RPD Lir RPD Ref Vo 34.57 Low Limit	115 mit 15 al %RPD 0.49  High Limit 115	Date Analyzed  04/15/202  Date Analyzed  04/15/202  Date Analyzed



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SW-846 9251 (TOTAL)										
Batch R345788 SampType:	MS	ι	Jnits mg/L							
SampID: 24041187-011AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		20	20.00	0.9000	94.4	85	115	04/15/202
Batch R345788 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	nit <b>15</b>	
SampID: 24041187-011AMSD	_					00/00/11	0/050	DDD D ()/		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		•
Chloride		4		20	20.00	0.9000	95.9	19.77	1.56	04/15/202
<b>Batch R345788 SampType:</b> SampID: 24041187-015AMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		8		83	40.00	47.02	90.1	85	115	04/15/202
Batch R345788 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	nit <b>15</b>	
SampID: 24041187-015AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride		8		83	40.00	47.02	90.3	83.07	0.07	04/16/202
SW-846 3005A, 6010B, META										
Batch 220875 SampType: SampID: MBLK-220875	MBLK	ι	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	04/05/202
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	04/05/202
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	04/05/202
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	04/05/202
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	04/05/202
Batch 220875 SampType: SampID: LCS-220875	LCS	l	Jnits <b>mg/L</b>							
5amon : 1 U.S-220875	~	D.		ъ.	a	ODK D ()/	0/ DE 0	1 - 1 - 1	LPSE CO.	Date Analyzed
	Cant	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	
Analyses	Cert				2.500	0	99.4	85	115	04/05/202
Analyses Calcium	Cert	0.100		2.49						
Analyses Calcium Chromium	Cert	0.0050		0.186	0.2000	0	93.2	85	115	04/05/20
Analyses Calcium Chromium	Cert					0	93.2 87.9	85 85	115 115	
Analyses Calcium Chromium Magnesium Potassium	Cert	0.0050		0.186	0.2000					04/05/20 04/05/20 04/05/20



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Batch 220875 SampType: NampID: 24031341-041CMS  Analyses Calcium Magnesium Potassium Sodium  Batch 220875 SampType: NampID: 24031341-041CMSD  Analyses Calcium Magnesium	Cert  MSD  Cert		Qual S nits mg/L	Result 124 81.1 4.43 80.3	Spike 2.500 2.500 2.500 2.500	SPK Ref Val 122.1 78.81 1.814 80.91	%REC 84.0 91.6 104.4 -22.8	Low Limit 75 75 75 75	High Limit 125 125 125 125 125	Date Analyzed 04/05/202 04/05/202 04/05/202
Calcium  Magnesium  Potassium  Sodium  Batch 220875 SampType: NampID: 24031341-041CMSD  Analyses  Calcium	/ISD	0.100 0.050 0.100 0.050	s	124 81.1 4.43	2.500 2.500 2.500	122.1 78.81 1.814	84.0 91.6 104.4	75 75 75 75	125 125 125	Analyzed 04/05/202 04/05/202 04/05/202
Magnesium Potassium Sodium  Batch 220875 SampType: No SampID: 24031341-041CMSD Analyses Calcium		0.050 0.100 0.050		81.1 4.43	2.500 2.500	78.81 1.814	91.6 104.4	75 75 75	125 125	04/05/202 04/05/202
Potassium  Sodium  Batch 220875 SampType: No. 10 SampID: 24031341-041CMSD  Analyses Calcium		0.100 0.050		4.43	2.500	1.814	104.4	75 75	125	04/05/202
Sodium  Batch 220875 SampType: No. 10 SampID: 24031341-041CMSD  Analyses  Calcium		0.050 U						75		
Batch 220875 SampType: M SampID: 24031341-041CMSD Analyses Calcium		U		80.3	2.500	80.91	-22.8		125	04/05/202
SampID: 24031341-041CMSD  Analyses  Calcium			nits <b>mg/L</b>							
Analyses Calcium	Cert	DI						RPD Lin	nit <b>20</b>	
Calcium	Cert	DI								Date
		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Magnesium		0.100	S	124	2.500	122.1	61.6	124.2	0.45	04/05/20
		0.050		80.7	2.500	78.81	76.3	81.10	0.47	04/05/20
Potassium		0.100		4.38	2.500	1.814	102.6	4.425	1.07	04/05/20
Sodium		0.050	S	79.7	2.500	80.91	-47.2	80.34	0.76	04/05/20
Batch 220875 SampType: N SampID: 24032399-004CMS	<b>I</b> S	U	nits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chromium		0.0050		0.189	0.2000	0	94.5	75	125	04/05/202
Batch 220875 SampType: N	/ISD	U	nits <b>mg/L</b>					RPD Lin	nit <b>20</b>	
SampID: 24032399-004CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Chromium		0.0050		0.188	0.2000	0	94.0	0.1890	0.58	04/05/202
Batch 221122 SampType: N	/IBLK	U	nits <b>mg/L</b>							Doto
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium	Cen	0.100	Quai	< 0.100	0.0350	0	0	-100	100	04/09/20
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	04/09/20
3					0.0400	0	0	-100 -100	100	
Potassium		0.100		< 0.100	$\alpha \alpha \alpha \alpha \alpha \alpha \alpha \alpha \alpha \alpha \alpha \alpha \alpha \alpha \alpha \alpha \alpha \alpha \alpha $		11			04/09/20



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Batch 221122 SampTyp	e: LCS	U	nits mg/L							
SampID: LCS-221122										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		2.52	2.500	0	100.7	85	115	04/09/202
Magnesium		0.050		2.43	2.500	0	97.2	85	115	04/09/202
Potassium		0.100		2.52	2.500	0	100.7	85	115	04/09/20
Sodium		0.050		2.40	2.500	0	95.8	85	115	04/09/202
Batch 221242 SampTyp	oe: MBLK	U	nits <b>mg/L</b>							
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	04/11/20
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	04/11/20
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	04/11/20
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	04/11/20
Batch 221242 SampTyp	e: LCS	U	nits <b>mg/L</b>							
SampID: LCS-221242										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		2.27	2.500	0	90.8	85	115	04/11/20
Magnesium		0.0500		2.26	2.500	0	90.5	85	115	04/11/20
Potassium		0.100		2.47	2.500	0	98.9	85	115	04/11/20
		0.0500		2.30	2.500	0	92.0	85	115	04/11/20



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SW-846 3005A, 6010B, MET										
Satch 221272 SampType	: MBLK	U	nits <b>mg/L</b>							
SampID: MBLK-221272	<b>a</b> .	DI	0 1	D 1	G '1	CDI/ Def Val	0/ DEC	Low Limit	lliah Limit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	•
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	U	nits <b>mg/L</b>							
SampID: LCS-221272										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		0.0500			Spike				r ngri Enriit	-
Arsenic		0.0500		0.454	0.5000	0	90.7	85	115	04/12/2024
Alscriic		0.0500		0.454 0.467	•	0	90.7 93.3		-	
Boron					0.5000			85	115	04/12/2024
		0.0250		0.467	0.5000 0.5000	0	93.3	85 85	115 115	04/12/2024 04/12/2024 04/12/2024 04/12/2024
Boron		0.0250 0.0200		0.467 0.442	0.5000 0.5000 0.5000	0	93.3 88.3	85 85 85	115 115 115	04/12/2024 04/12/2024 04/12/2024
Boron Calcium		0.0250 0.0200 0.100		0.467 0.442 2.21	0.5000 0.5000 0.5000 2.500	0 0 0	93.3 88.3 88.6	85 85 85 85	115 115 115 115	04/12/2024 04/12/2024
Boron Calcium Chromium		0.0250 0.0200 0.100 0.0050		0.467 0.442 2.21 0.180	0.5000 0.5000 0.5000 2.500 0.2000	0 0 0	93.3 88.3 88.6 89.8	85 85 85 85 85	115 115 115 115 115	04/12/2024 04/12/2024 04/12/2024 04/12/2024
Boron Calcium Chromium Iron Lead		0.0250 0.0200 0.100 0.0050 0.0400 0.0150		0.467 0.442 2.21 0.180 1.84 0.455	0.5000 0.5000 0.5000 2.500 0.2000 2.000 0.5000	0 0 0 0 0	93.3 88.3 88.6 89.8 91.9 91.0	85 85 85 85 85 85	115 115 115 115 115 115 115	04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024
Boron Calcium Chromium Iron Lead Magnesium		0.0250 0.0200 0.100 0.0050 0.0400 0.0150 0.0500		0.467 0.442 2.21 0.180 1.84 0.455 2.18	0.5000 0.5000 0.5000 2.500 0.2000 2.000 0.5000 2.500	0 0 0 0 0 0	93.3 88.3 88.6 89.8 91.9 91.0	85 85 85 85 85 85 85	115 115 115 115 115 115 115 115	04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024
Boron Calcium Chromium Iron Lead Magnesium Manganese		0.0250 0.0200 0.100 0.0050 0.0400 0.0150 0.0500 0.0070		0.467 0.442 2.21 0.180 1.84 0.455 2.18 0.449	0.5000 0.5000 0.5000 2.500 0.2000 2.000 0.5000 2.500 0.5000	0 0 0 0 0 0 0	93.3 88.3 88.6 89.8 91.9 91.0 87.2 89.7	85 85 85 85 85 85 85 85	115 115 115 115 115 115 115 115 115	04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024
Boron Calcium Chromium Iron Lead Magnesium Manganese Potassium		0.0250 0.0200 0.100 0.0050 0.0400 0.0150 0.0500 0.0070 0.100		0.467 0.442 2.21 0.180 1.84 0.455 2.18 0.449 2.28	0.5000 0.5000 0.5000 2.500 0.2000 2.000 0.5000 2.500 0.5000 2.500	0 0 0 0 0 0 0	93.3 88.3 88.6 89.8 91.9 91.0 87.2 89.7 91.0	85 85 85 85 85 85 85 85 85	115 115 115 115 115 115 115 115 115	04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024
Boron Calcium Chromium Iron Lead Magnesium Manganese Potassium Selenium		0.0250 0.0200 0.100 0.0050 0.0400 0.0150 0.0500 0.0070 0.100 0.0400		0.467 0.442 2.21 0.180 1.84 0.455 2.18 0.449 2.28 0.463	0.5000 0.5000 0.5000 2.500 0.2000 2.000 0.5000 2.500 0.5000 2.500 0.5000	0 0 0 0 0 0 0 0	93.3 88.3 88.6 89.8 91.9 91.0 87.2 89.7 91.0	85 85 85 85 85 85 85 85 85	115 115 115 115 115 115 115 115 115 115	04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024
Boron Calcium Chromium Iron Lead Magnesium Manganese Potassium Selenium Sodium		0.0250 0.0200 0.100 0.0050 0.0400 0.0150 0.0500 0.100 0.0400 0.0500		0.467 0.442 2.21 0.180 1.84 0.455 2.18 0.449 2.28 0.463 2.13	0.5000 0.5000 0.5000 2.500 0.2000 2.000 0.5000 2.500 0.5000 2.500 0.5000 2.500	0 0 0 0 0 0 0 0	93.3 88.3 88.6 89.8 91.9 91.0 87.2 89.7 91.0 92.7 85.4	85 85 85 85 85 85 85 85 85 85	115 115 115 115 115 115 115 115 115 115	04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024
Boron Calcium Chromium Iron Lead Magnesium Manganese Potassium Selenium		0.0250 0.0200 0.100 0.0050 0.0400 0.0150 0.0500 0.0070 0.100 0.0400		0.467 0.442 2.21 0.180 1.84 0.455 2.18 0.449 2.28 0.463	0.5000 0.5000 0.5000 2.500 0.2000 2.000 0.5000 2.500 0.5000 0.5000 0.5000	0 0 0 0 0 0 0 0	93.3 88.3 88.6 89.8 91.9 91.0 87.2 89.7 91.0	85 85 85 85 85 85 85 85 85	115 115 115 115 115 115 115 115 115 115	04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024 04/12/2024



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Sample   24/031341-067/IMS    Analyses   Cert   RI   Qual   Result   Spike   SPK Ref Val   %RC   Low Limit   High Limit   Analyses   Cert   RI   Qual   Result   Spike   SPK Ref Val   %RC   Low Limit   High Limit   Analyses   Cert   RI   Qual   Result   Spike   SPK Ref Val   %RC   Low Limit   High Limit   Analyses   Cert   RI   Qual   Result   Spike   SPK Ref Val   %RC   RPD Ref Val   Magnesium   Cert   RI   Qual   Result   Spike   SPK Ref Val   Magnesium   Cert   RI   Qual   Result   Spike   SPK Ref Val   Magnesium   Cert   RI   Qual   Result   Spike   SPK Ref Val   Magnesium   Cert   RI   Qual   Result   Spike   SPK Ref Val   Magnesium   Cert   RI   Qual   Result   Spike   SPK Ref Val   Magnesium   Cert   RI   Qual   Result   Spike   SPK Ref Val   Magnesium   Cert   RI   Qual   Result   Spike   SPK Ref Val   Magnesium   Cert   RI   Qual   Result   Spike   SPK Ref Val   Magnesium   Cert   RI   Qual   Result   Spike   SPK Ref Val   Magnesium   Cert   RI   Qual   Result   Spike   SPK Ref Val   Magnesium   Cert   RI   Qual   Result   Spike   SPK Ref Val   Magnesium   Cert   RI   Qual   Result   Spike   SPK Ref Val   Magnesium   Cert   RI   Qual   Result   Spike   SPK Ref Val   Magnesium   Cert   RI   Qual   Result   Spike   SPK Ref Val   Magnesium   RI   RI   RI   RI   RI   RI   RI   R									<b>F</b>	,	
SamplD: 24031341-067IMS   Cert   RL   Qual   Result   Spike   SPK Ref   Val   MREC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref   Val   MREC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref   Val   MREC   Low Limit   High Limit   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref   Val   MREC   RPD Ref   Val   MREC	SW-846 3005A, 6010B, META	LS BY ICF	P (DISSO	LVED)							
Analyses		MS	ι	Jnits <b>mg/L</b>							Data
Calcium   0,100   2.35   2.500   0   93.8   75   125   04/12/20. Magnesium   0,050   2.31   2.500   0   92.5   75   125   04/12/20. Potassium   0,050   0.245   2.500   0   97.8   75   125   04/12/20. Samptyne:   0,050   0.245   2.500   0,02490   91.4   75   125   04/12/20. Samptyne:   MSD   Units mg/L   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Date   Analyses   0.100   2.33   2.500   0   93.2   2.346   0.71   04/12/20. Magnesium   0,050   2.29   2.500   0   91.7   2.313   0.93   04/12/20. Magnesium   0,050   2.29   2.500   0   91.7   2.313   0.93   04/12/20. Magnesium   0,050   2.27   2.500   0.02490   89.8   2.311   1.76   04/12/20. Magnesium   0,050   2.27   2.500   0.02490   89.8   2.311   1.76   04/12/20. Magnesium   0,050   2.27   2.500   0.02490   89.8   2.311   1.76   04/12/20. Magnesium   0,050   2.27   2.500   0.02490   89.8   2.311   1.76   04/12/20. Magnesium   0,050   2.27   2.500   0.02490   89.8   2.311   1.76   04/12/20. Magnesium   0,050   2.27   2.500   0.02490   89.8   2.311   1.76   04/12/20. Magnesium   0,050   2.27   2.500   0.02490   89.8   2.311   1.76   04/12/20. Magnesium   0,050   2.280   2.500   0.02490   89.8   2.311   1.76   04/12/20. Magnesium   0,050   2.280   2.500   2	·	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Polassium							0	93.8	75	125	04/12/202
Sodium 0.050 2.31 2.500 0.02490 91.4 75 125 04/12/20    SampType: MSD   Units mg/L   Spike   SPK Ref Val   MREC   RPD Ref Val   MRPD   Date   Analyzed	Magnesium		0.050		2.31	2.500	0	92.5	75	125	04/12/202
Batch 221272	Potassium		0.100		2.45	2.500	0	97.8	75	125	04/12/202
Date   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   RPD Ref Val   %RPD   Analyzed   A	Sodium		0.050		2.31	2.500	0.02490	91.4	75	125	04/12/202
Analyses	Batch 221272 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	mit <b>20</b>	
Calcium	SampID: 24031341-067IMSD										Date
Magnesium	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Polassium	Calcium		0.100		2.33	2.500	0	93.2	2.346	0.71	04/12/202
Sodium         0.050         2.27         2.500         0.02490         89.8         2.311         1.76         04/12/20/20/20/20/20/20/20/20/20/20/20/20/20	Magnesium		0.050		2.29	2.500	0	91.7	2.313	0.93	04/12/202
SampType: MS   Units mg/L   Spike   SPK Ref Val   MREC   Low Limit   High Limit	Potassium		0.100		2.40	2.500	0	95.9	2.446	2.03	04/12/202
Samp D : 24040873-004BMS   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzed   Analyzed   Boron   1.00   S   186   0.5000   199.1   -2551   75   125   04/17/20.   125	Sodium		0.050		2.27	2.500	0.02490	89.8	2.311	1.76	04/12/202
Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzed   Boron   1.00   S   186   0.5000   199.1   -2551   75   125   04/17/20		MS	l	Jnits <b>mg/L</b>							Data
Calcium       5.00       S       2280       2.500       2344       -2600       75       125       04/17/20:         Iron       2.00       5.99       2.000       4.155       91.8       75       125       04/17/20:         Magnesium       2.50       S       1820       2.500       1881       -2321       75       125       04/17/20:         Manganese       0.350       S       17.2       0.5000       17.30       -13.0       75       125       04/17/20:         Potassium       5.00       S       392       2.500       401.4       -364.8       75       125       04/17/20:         Sodium       2.50       S       1640       2.500       1688       -2060       75       125       04/17/20:         Batch 221272       SampType:       MSD       Units mg/L       RPD Limit 20         SampID:       24040873-004BMSD       RPD Limit 20         Analyses       Cert RL       Qual       Result       Spike       SPK Ref Val       %REC       RPD Ref Val       %RPD       Analyzed         Boron       1.00       S       187       0.5000       199.1       -2466       186.4	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Iron	Boron		1.00	S	186	0.5000	199.1	-2551	75	125	04/17/202
Magnesium       2.50       S       1820       2.500       1881       -2321       75       125       04/17/20.         Manganese       0.350       S       17.2       0.5000       17.30       -13.0       75       125       04/17/20.         Potassium       5.00       S       392       2.500       401.4       -364.8       75       125       04/17/20.         Sodium       2.50       S       1640       2.500       1688       -2060       75       125       04/17/20.         Batch 221272 SampType: MSD       Units mg/L       RPD Limit 20         Batch 221272 SampType: MSD       Units mg/L       RPD Limit 20         Batch 221272 SampType: MSD       Units mg/L       RPD Limit 20         Analyses       Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD       Analyzed Analyzed Analyzed Spike SPK Ref Val %REC RPD Ref Val %RPD       Analyzed Analyzed Analyzed Spike Spike Spike SPK Ref Val %REC RPD Ref Val %RPD       Analyzed Analyzed Spike Sp	Calcium		5.00	S	2280	2.500	2344	-2600	75	125	04/17/202
Manganese 0.350 S 17.2 0.5000 17.30 -13.0 75 125 04/17/20.  Potassium 5.00 S 392 2.500 401.4 -364.8 75 125 04/17/20.  Sodium 2.50 S 1640 2.500 1688 -2060 75 125 04/17/20.  Batch 221272 SampType: MSD Units mg/L  SamplD: 24040873-004BMSD  Analyses Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD Analyzed  Boron 1.00 S 187 0.5000 199.1 -2466 186.4 0.23 04/17/20.  Calcium 5.00 S 2300 2.500 2344 -1560 2279 1.13 04/17/20.  Iron 2.00 5.97 2.000 4.155 90.8 5.990 0.33 04/17/20.  Magnesium 2.50 S 1850 2.500 1881 -1343 1823 1.33 04/17/20.  Manganese 0.350 S 17.4 0.5000 17.30 21.0 17.23 0.98 04/17/20.  Potassium 5.00 S 396 2.500 401.4 -235.2 392.3 0.82 04/17/20.	Iron		2.00		5.99	2.000	4.155	91.8	75	125	04/17/202
Potassium	Magnesium		2.50	S	1820	2.500	1881	-2321	75	125	04/17/202
Sodium 2.50 S 1640 2.500 1688 -2060 75 125 04/17/20.  Satch 221272 SampType: MSD Units mg/L  SampID: 24040873-004BMSD  Analyses Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD Analyzed Analyzed Semplo: 2.500 S 2300 2.500 2344 -1560 2279 1.13 04/17/20.  Calcium 5.00 S 2300 2.500 2344 -1560 2279 1.13 04/17/20.  Magnesium 2.50 S 1850 2.500 1881 -1343 1823 1.33 04/17/20.  Manganese 0.350 S 17.4 0.5000 17.30 21.0 17.23 0.98 04/17/20.  Potassium 5.00 S 396 2.500 401.4 -235.2 392.3 0.82 04/17/20.	Manganese		0.350	S	17.2	0.5000	17.30	-13.0	75	125	04/17/202
Batch 221272 SampType: MSD         Units mg/L         RPD Limit 20           SampID: 24040873-004BMSD         Date Analyses           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyzed Analyzed           Boron         1.00         S         187         0.5000         199.1         -2466         186.4         0.23         04/17/20           Calcium         5.00         S         2300         2.500         2344         -1560         2279         1.13         04/17/20           Iron         2.00         5.97         2.000         4.155         90.8         5.990         0.33         04/17/20           Magnesium         2.50         S         1850         2.500         1881         -1343         1823         1.33         04/17/20           Manganese         0.350         S         17.4         0.5000         17.30         21.0         17.23         0.98         04/17/20           Potassium         5.00         S         396         2.500         401.4         -235.2         392.3         0.82         04/17/20	Potassium		5.00	S	392	2.500	401.4	-364.8	75	125	04/17/202
SamplD:         24040873-004BMSD           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyzed           Boron         1.00         S         187         0.5000         199.1         -2466         186.4         0.23         04/17/200           Calcium         5.00         S         2300         2.500         2344         -1560         2279         1.13         04/17/200           Iron         2.00         5.97         2.000         4.155         90.8         5.990         0.33         04/17/200           Magnesium         2.50         S         1850         2.500         1881         -1343         1823         1.33         04/17/200           Potassium         5.00         S         396         2.500         401.4         -235.2         392.3         0.82         04/17/200	Sodium		2.50	S	1640	2.500	1688	-2060	75	125	04/17/202
Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD         Analyzed           Boron         1.00         S         187         0.5000         199.1         -2466         186.4         0.23         04/17/200           Calcium         5.00         S         2300         2.500         2344         -1560         2279         1.13         04/17/200           Iron         2.00         5.97         2.000         4.155         90.8         5.990         0.33         04/17/200           Magnesium         2.50         S         1850         2.500         1881         -1343         1823         1.33         04/17/200           Manganese         0.350         S         17.4         0.5000         17.30         21.0         17.23         0.98         04/17/200           Potassium         5.00         S         396         2.500         401.4         -235.2         392.3         0.82         04/17/200	Satch 221272 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	nit <b>20</b>	
Analyses         Cert         RD         Qual         Result         Spike         644 (186.4)         186.4         0.23         04/17/203           Boron         1.00         S         187         0.5000         199.1         -2466         186.4         0.23         04/17/203           Calcium         5.00         S         2300         2.500         2344         -1560         2279         1.13         04/17/203           Iron         2.00         5.97         2.000         4.155         90.8         5.990         0.33         04/17/203           Magnesium         2.50         S         1850         2.500         1881         -1343         1823         1.33         04/17/203           Manganese         0.350         S         17.4         0.5000         17.30         21.0         17.23         0.98         04/17/203           Potassium         5.00         S         396         2.500         401.4         -235.2         392.3         0.82         04/17/203	SampID: 24040873-004BMSD										
Calcium       5.00       S       2300       2.500       2344       -1560       2279       1.13       04/17/200         Iron       2.00       5.97       2.000       4.155       90.8       5.990       0.33       04/17/200         Magnesium       2.50       S       1850       2.500       1881       -1343       1823       1.33       04/17/200         Manganese       0.350       S       17.4       0.5000       17.30       21.0       17.23       0.98       04/17/200         Potassium       5.00       S       396       2.500       401.4       -235.2       392.3       0.82       04/17/200	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Iron       2.00       5.97       2.000       4.155       90.8       5.990       0.33       04/17/20         Magnesium       2.50       S       1850       2.500       1881       -1343       1823       1.33       04/17/20         Manganese       0.350       S       17.4       0.5000       17.30       21.0       17.23       0.98       04/17/20         Potassium       5.00       S       396       2.500       401.4       -235.2       392.3       0.82       04/17/20	Boron		1.00	S	187	0.5000	199.1	-2466	186.4	0.23	04/17/202
Magnesium       2.50       S       1850       2.500       1881       -1343       1823       1.33       04/17/2000         Manganese       0.350       S       17.4       0.5000       17.30       21.0       17.23       0.98       04/17/2000         Potassium       5.00       S       396       2.500       401.4       -235.2       392.3       0.82       04/17/2000	Calcium		5.00	S	2300	2.500	2344	-1560	2279	1.13	04/17/202
Manganese 0.350 S <b>17.4</b> 0.5000 17.30 21.0 17.23 0.98 04/17/20.20 Potassium 5.00 S <b>396</b> 2.500 401.4 -235.2 392.3 0.82 04/17/20.20	Iron		2.00		5.97	2.000	4.155	90.8	5.990	0.33	04/17/202
Potassium 5.00 S <b>396</b> 2.500 401.4 -235.2 392.3 0.82 04/17/202	Magnesium		2.50	S	1850	2.500	1881	-1343	1823	1.33	04/17/202
	Manganese		0.350	S	17.4	0.5000	17.30	21.0	17.23	0.98	04/17/202
Sodium 2.50 S <b>1650</b> 2.500 1688 -1500 1637 0.85 04/17/202	Potassium		5.00	S	396	2.500	401.4	-235.2	392.3	0.82	04/17/202
	Sodium		2.50	S	1650	2.500	1688	-1500	1637	0.85	04/17/202



Zinc

## **Quality Control Results**

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Client: Ramboll Work Order: 24031341
Client Project: NEW-24Q2 Report Date: 14-May-24

SW-846 3005A, 60 Batch 222313	SampType:			nits <b>mg/L</b>							
SamplD: MBLK-222: Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Antimony		CCIT	0.0500	Quai	< 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	05/01/202
Iron			0.0400		< 0.0400	0.0200	0	0	-100	100	05/01/202
Lead			0.0150		< 0.0150	0.0014	0	0	-100	100	05/01/202
Magnesium			0.0500		< 0.0500	0.0055	0	0	-100	100	05/01/202
Manganese			0.0070		< 0.0070	0.0025	0	0	-100	100	05/01/202
Potassium			0.100		< 0.100	0.0400	0	0	-100	100	05/01/202
Selenium			0.0400		< 0.0400	0.0170	0	0	-100	100	05/01/202
Sodium			0.0500		< 0.0500	0.0180	0	0	-100	100	05/01/202
Vanadium			0.0100		< 0.0100	0.0009	0	0	-100	100	05/01/202
Zinc			0.0100		< 0.0100	0.0050	0	0	-100	100	05/01/202
Batch 222313	SampType:	LCS	U	nits mg/L							
SampID: LCS-22231	13										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony			0.0500		0.485	0.5000	0	96.9	85	115	05/01/202
Arsenic			0.0250		0.491	0.5000	0	98.2	85	115	05/01/202
Boron			0.0200		0.476	0.5000	0	95.2	85	115	05/01/202
Cadmium			0.0020		0.0501	0.0500	0	100.2	85	115	05/01/202
Calcium			0.100		2.30	2.500	0	91.9	85	115	05/01/202
Chromium			0.0050		0.193	0.2000	0	96.5	85	115	05/01/202
Iron			0.0400		1.97	2.000	0	98.5	85	115	05/01/202
Lead			0.0150		0.478	0.5000	0	95.5	85	115	05/01/202
			0.0500		2.35	2.500	0	94.0	85	115	05/01/202
Magnesium							•	00.4	0.5		
_			0.0070		0.490	0.5000	0	98.1	85	115	05/01/202
Manganese			0.0070 0.100		0.490 2.75	0.5000 2.500	0	109.9	85 85	115 115	
Manganese Potassium											05/01/202 05/01/202 05/01/202
Magnesium Manganese Potassium Selenium Sodium			0.100		2.75	2.500	0	109.9	85	115	05/01/202

0.0100

0.484

0.5000 0

96.8

85

115

05/01/2024



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SW-846 3005A, 6010B, I	METAL	S BY ICF	(DISSO	LVED)							
<b>Batch 222313 Samp</b> SampID: 24042058-002GM	Type: S	MS	L	Jnits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100	S	63.9	2.500	62.05	74.8	75	125	05/01/202
Magnesium			0.050		26.9	2.500	24.70	88.9	75	125	05/01/202
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
2	Туре:	MSD	L	Jnits mg/L					RPD Lir	mit <b>20</b>	
SampID: 24042058-002GM	SD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Calcium			0.100		65.1	2.500	62.05	120.4	63.92	1.77	05/01/202
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	05/01/202
Batch 222313 Samp SampID: 24042186-001EM	Type:	MS	L	Inits mg/L							
	3	<b>G</b> .	DI	0 1	D 1	G 11	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike				Ū	05/02/2024
Iron			0.0400		5.30	2.000	3.520	89.0	75 75	125	
Manganese			0.0070		1.69	0.5000	1.211	95.0	75	125	05/01/2024
<b>Batch 222313 Samp</b> SampID: 24042186-001EM	Type:	MSD	L	Inits <b>mg/L</b>					RPD Lir	mit <b>20</b>	Data
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Iron		CCIT	0.0400	Quui	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, I	METAL	S BY ICF	(TOTAI	L)							
	Туре:	MBLK	L	Inits <b>mg/L</b>							
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	04/04/202
Potassium			0.100		< 0.100	0.0400	0	0	-100	100	04/04/202
Sodium			0.0500		< 0.0500	0.0180	0	0	-100	100	04/04/202



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Datab 220750		LS BY ICP									
Batch 220750 SampID: LCS-2207	SampType:	LCS	U	nits <b>mg/L</b>							
Analyses	730	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium			0.100		2.69	2.500	0	107.7	85	115	04/04/202
Magnesium			0.0500		2.51	2.500	0	100.5	85	115	04/04/202
Potassium			0.100		2.65	2.500	0	106.0	85	115	04/04/202
Sodium			0.0500		2.60	2.500	0	104.1	85	115	04/04/202
Batch 220750	SampType:	MS	U	nits <b>mg/L</b>							
SampID: 24040264	+-003EIVIS	<b>Q</b> .	DI	0 1	D 1	G 11	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses  Calcium		Cert	RL 0.100	Qual S	Result	Spike 2.500	89.68	169.6	75	125	04/04/202
Magnesium			0.0500	3	18.5	2.500	15.96	101.8	75 75	125	04/04/202
iviagnesium			0.0300		10.5	2.500	13.90	101.6	73	123	04/04/20
Batch 220750	SampType:	MSD	U	nits <b>mg/L</b>					RPD Lin	nit <b>20</b>	
SampID: 24040264	1-003EMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		Analyzed
Calcium			0.100	S	94.2	2.500	89.68	178.8	93.92	0.24	04/04/20
Magnesium			0.0500		18.7	2.500	15.96	110.0	18.51	1.10	04/04/20
Batch 221023	SampType:	MBLK	U	nits <b>mg/L</b>							Date
SampID: MBLK-22											
•		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Analyses		Cert	RL 0.0025	Qual	Result < 0.0025	Spike 0.0007	SPK Ref Val	%REC 0	Low Limit	High Limit 100	04/09/20
Analyses Barium		Cert		Qual							•
Analyses Barium Beryllium		Cert	0.0025	Qual	< 0.0025	0.0007	0	0	-100	100	04/09/20
Analyses Barium Beryllium Boron		Cert	0.0025 0.0005	Qual	< 0.0025 < 0.0005	0.0007 0.0002	0	0	-100 -100	100 100	04/09/20
Analyses Barium Beryllium Boron Calcium		Cert	0.0025 0.0005 0.0200	Qual	< 0.0025 < 0.0005 < 0.0200	0.0007 0.0002 0.0090	0 0 0	0 0 0	-100 -100 -100	100 100 100	04/09/20 04/09/20 04/09/20 04/09/20
Analyses Barium Beryllium Boron Calcium Magnesium		Cert	0.0025 0.0005 0.0200 0.100	Qual	< 0.0025 < 0.0005 < 0.0200 < 0.100	0.0007 0.0002 0.0090 0.0350	0 0 0	0 0 0 0	-100 -100 -100 -100	100 100 100 100	04/09/20 04/09/20 04/09/20
Analyses Barium Beryllium Boron Calcium Magnesium Molybdenum		Cert	0.0025 0.0005 0.0200 0.100 0.0500	Qual	< 0.0025 < 0.0005 < 0.0200 < 0.100 < 0.0500	0.0007 0.0002 0.0090 0.0350 0.0055	0 0 0 0	0 0 0 0	-100 -100 -100 -100 -100	100 100 100 100 100	04/09/20 04/09/20 04/09/20 04/09/20 04/09/20
SampID: MBLK-22 Analyses Barium Beryllium Boron Calcium Magnesium Molybdenum Potassium Selenium		Cert	0.0025 0.0005 0.0200 0.100 0.0500 0.0100	Qual	< 0.0025 < 0.0005 < 0.0200 < 0.100 < 0.0500 < 0.0100	0.0007 0.0002 0.0090 0.0350 0.0055 0.0037	0 0 0 0 0	0 0 0 0 0	-100 -100 -100 -100 -100 -100	100 100 100 100 100 100	04/09/20 04/09/20 04/09/20 04/09/20



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SW-846 3005A, 6010B, MET.	ALS BY ICE	(TOTA	١							
Batch 221023 SampType		•	- <i>)</i> Inits <b>mg/L</b>							
SamplD: LCS-221023			•							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	L	Inits <b>mg/L</b>							
SampID: 24031341-015BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	L	Inits mg/L					RPD Lir	nit <b>20</b>	
SamplD: 24031341-015BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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	e: MS	L	Inits mg/L							
SampID: 24040646-006BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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		105.5	75	125	04/09/2024
Selenium		0.0400		0.548	0.5000	0	109.5	75	125	04/09/2024



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SIN SAC SOULY COADD META	I & BY ICE	) /TOTAL	١							
SW-846 3005A, 6010B, META Batch 221023 SampType:			-) nits <b>mg/L</b>					RPD Lir	nit <b>20</b>	
SampID: 24040646-006BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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	U	nits <b>mg/L</b>							
SampID: MBLK-221127										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



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SW-846 3005A, 6010B, M	ETALS E	BY ICP	(TOTAL	.)							
	ype: LC			nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	В	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 SampT SampID: MBLK-221211	уре: МВ	BLK	U	nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 SampT SampID: LCS-221211	ype: LC	S	U	nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
-										-	· · ··



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Batch 221211 SampType	ALS BY ICF	- 1	Inits mg/L							
SamplD: 24031341-010BMS	). IVIO		into mg/L							Data
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	04/12/202
Magnesium		0.050		37.5	2.500	35.61	75.1	75	125	04/12/202
Potassium		0.100		4.11	2.500	1.641	98.6	75	125	04/12/202
Sodium		0.050	S	87.8	2.500	86.97	34.8	75	125	04/12/202
Batch 221211 SampType	e: MSD	L	Inits <b>mg/L</b>					RPD Lir	nit <b>20</b>	
SampID: 24031341-010BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Calcium		0.100	S	93.7	2.500	94.42	-27.2	95.36	1.71	04/12/202
Magnesium		0.050	S	37.0	2.500	35.61	53.8	37.49	1.43	04/12/202
Potassium		0.100		4.03	2.500	1.641	95.6	4.106	1.87	04/12/20
Sodium		0.050	S	86.4	2.500	86.97	-24.0	87.84	1.69	04/12/202
<b>Batch 221211 SampType</b> SampID: 24040816-007AMS	e: MS	L	Inits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lead		0.0150		0.488	0.5000	0.007200	96.1	75	125	04/12/202
Batch 221211 SampType	e: MSD	L	Inits <b>mg/L</b>					RPD Lir	nit <b>20</b>	
SampID: 24040816-007AMSD										Date
	~	D.T.				SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Analyses	Cert	RL	Qual	Result	Spike	Of ICICCI vai				
	Cert	0.0150	Qual	0.471	Spike 0.5000	0.007200	92.8	0.4879	3.52	04/12/202
Analyses		0.0150	Qual  Inits mg/L					0.4879	3.52	
Analyses Lead  Batch 221254 SampType SampID: MBLK-221254	e: MBLK	0.0150 L	Inits <b>mg/L</b>	0.471	0.5000			0.4879 Low Limit	3.52 High Limit	04/12/202 Date Analyzed
Analyses Lead  Batch 221254 SampType SampID: MBLK-221254		0.0150				0.007200	92.8			Date
Analyses Lead  Batch 221254 SampType SampID: MBLK-221254 Analyses Calcium	e: MBLK	0.0150 L RL 0.100	Inits <b>mg/L</b>	0.471	0.5000 Spike 0.0350	0.007200 SPK Ref Val	92.8 %REC	Low Limit	High Limit	Date Analyzed
Analyses Lead  Batch 221254 SampType SampID: MBLK-221254 Analyses	e: MBLK	0.0150 U RL	Inits <b>mg/L</b>	0.471  Result < 0.100	0.5000 Spike	0.007200 SPK Ref Val 0	92.8 %REC 0	Low Limit	High Limit	Date Analyzed



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Chemi Project.	ILVV ZHQZ								Report Dav	c. IT May	21
SW-846 3005A, 66	010B, META	LS BY ICF	(TOTA	L)							
Batch 221254	SampType:	LCS	L	Jnits <b>mg/L</b>							
SampID: LCS-2212	254										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
<b>Batch 221254</b> SampID: 24031341	SampType: -071HMS	MS	ι	Jnits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	ι	Jnits <b>mg/L</b>					RPD Lir	nit <b>20</b>	
SampID: 24031341	-071HMSD	Court	DI	O1	Danile	C:1	SPK Ref Val	%REC	RPD Ref V	al %PDD	Date Analyzed
Analyses Calcium		Cert	0.100	Qual	Result	Spike 2.500	0	108.1	2.741	1.44	04/11/2024
Magnesium			0.050		2.49	2.500	0	99.7	2.741	0.79	04/11/2024
Potassium			0.100		2.45	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
Socium			0.030		2.55	2.500	U	103.0	2.013	0.93	04/11/2024
SW-846 3005A, 60	020A, META	LS BY ICF	MS (DIS	SSOLVED	))						
Batch 220875	SampType:	MBLK	ι	Jnits µg/L							
SampID: MBLK-220	0875										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
Antimony Arsenic Boron Cadmium Chromium Iron Lead Manganese Selenium Vanadium		Cert	1.0 1.0 25.0 1.0 1.5 25.0 1.0 2.0 1.0 5.0	Qual	< 1.0 < 25.0 < 1.0 < 1.5 < 25.0 < 1.0 < 2.0 < 1.0 < 5.0	0.4500 0.3750 9.250 0.1340 0.7000 11.50 0.6000 0.7500 0.6000 5.000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	-100 -100 -100 -100 -100 -100 -100 -100	100 100 100 100 100 100 100 100	04/0 04/0 04/0 04/0 04/0 04/0 04/0 04/0



Zinc

## **Quality Control Results**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24031341
Client Project: NEW-24Q2 Report Date: 14-May-24

Batch 220875 SampType:	LCS	ι	Jnits <b>µg/L</b>							
SampID: LCS-220875 Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony	CCIT	1.0	Quai	491	500.0	0	98.2	80	120	04/08/202
Arsenic		1.0		478	500.0	0	95.6	80	120	04/06/202
Boron		25.0		448	500.0	0	89.7	80	120	04/06/202
Cadmium		1.0		52.3	50.00	0	104.6	80	120	04/06/202
Chromium		1.5		193	200.0	0	96.5	80	120	04/06/202
Iron		25.0		1940	2000	0	96.9	80	120	04/06/202
Lead		1.0		493	500.0	0	98.5	80	120	04/06/202
Manganese		2.0		482	500.0	0	96.5	80	120	04/06/202
Selenium		1.0		475	500.0	0	95.0	80	120	04/08/20
Vanadium		5.0		494	500.0	0	98.8	80	120	04/06/202
Zinc		15.0		452	500.0	0	90.3	80	120	04/06/202
<b>Batch 220875 SampType</b> : SampID: 24031341-041CMS	: MS	l	Jnits µg/L							
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony	0010	1.0	Q uu i	535	500.0	0	107.0	75	125	04/08/202
Arsenic		1.0		478	500.0	0	95.5	75	125	04/06/202
Boron		25.0		505	500.0	22.56	96.5	75	125	04/06/20
Cadmium		1.0		55.7	50.00	0	111.4	75	125	04/06/20
Chromium		1.5		196	200.0	1.426	97.1	75	125	04/06/20
Lead		1.0		488	500.0	0	97.7	75	125	04/06/20
Selenium		1.0		478	500.0	0	95.7	75	125	04/08/20
Vanadium		5.0		500	500.0	0	100.0	75	125	04/06/20

15.0

453

500.0 0

90.6

75

125

04/06/2024



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Batch 220875 Samp	Type: MS	SD		Units µg/L					RPD Lim	nit <b>20</b>	
SampID: 24031341-041CM	SD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
Antimony			1.0		542	500.0	0	108.4	534.9	1.29	04/08/202
Arsenic			1.0		470	500.0	0	94.1	477.5	1.50	04/06/202
Boron			25.0		500	500.0	22.56	95.4	505.2	1.11	04/06/202
Cadmium			1.0		54.5	50.00	0	108.9	55.70	2.25	04/06/202
Chromium			1.5		189	200.0	1.426	93.7	195.7	3.50	04/06/202
Lead			1.0		477	500.0	0	95.5	488.5	2.30	04/06/202
Selenium			1.0		483	500.0	0	96.6	478.3	0.94	04/08/202
Vanadium			5.0		491	500.0	0	98.1	500.2	1.94	04/06/202
Zinc			15.0		444	500.0	0	88.7	452.8	2.06	04/06/202
Satch 221039 Samp	Туре: МЕ	BLK		Units µg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		0010	1.0	Q usus	< 1.0	0.3750	0	0	-100	100	04/09/202
Iron			25.0		< 25.0	11.50	0	0	-100	100	04/09/202
Batch 221039 Samp' SampID: LCS-221039 Analyses	Type: LC	<b>S</b> Cert	RL	Units µg/L Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		COIT	1.0	Quai	464	500.0	0	92.7	80	120	04/09/20:
Iron			25.0		2010	2000	0	100.6	80	120	04/09/202
<b>Batch 221039 Samp</b> SampID: 24031341-020CMS		3		Units µg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic			1.0		489	500.0	15.07	94.8	75	125	04/09/202
Iron			25.0		3430	2000	1583	92.4	75	125	04/09/20
atch 221039 Samp ampID: 24031341-020CM		SD		Units µg/L					RPD Lim	nit <b>20</b>	Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
			4.0		400	500.0	45.07	OF C	400.0	0.00	04/00/20
Arsenic			1.0		493	500.0	15.07	95.6	489.0	0.80	04/09/20



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Batch 221122 Sa	mpType:	MBLK		Units µg/L							
SampID: MBLK-221122			DI	0 1	D 1:	G '1	CDI/ Dof Vol	0/ DEC	Low Limit	∐iah Limit	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike		%REC	Low Limit	High Limit	-
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 Sa	mpType:	LCS		Units µg/L							
SampID: LCS-221122											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
Manganese Selenium			2.0 1.0		479 444	500.0 500.0	0	95.7 88.8	80 80	120 120	04/11/2024 04/11/2024
Selenium			1.0		444	500.0	0	88.8	80	120	04/11/2024 04/11/2024
Selenium Vanadium Zinc  Batch 221122 Sa SampID: 24031341-011	ampType: CMS	MS	1.0 5.0 15.0	Units <b>µg/L</b>	444 416 430	500.0 500.0 500.0	0 0 0	88.8 83.3 85.9	80 80 80	120 120 120	04/11/2024 04/11/2024 04/11/2024
Selenium Vanadium Zinc  Batch 221122 Sa SampID: 24031341-011 Analyses		MS Cert	1.0 5.0 15.0	Units <b>µg/L</b> Qual	444 416 430 Result	500.0 500.0 500.0 Spike	0 0 0 SPK Ref Val	88.8 83.3 85.9	80 80 80	120 120 120 High Limit	04/11/2024 04/11/2024 04/11/2024 Date Analyzed
Selenium Vanadium Zinc  Batch 221122 Sa SampID: 24031341-011			1.0 5.0 15.0		444 416 430	500.0 500.0 500.0	0 0 0	88.8 83.3 85.9	80 80 80	120 120 120	04/11/2024 04/11/2024 04/11/2024 Date



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Batch 221122	SampType:	MSD		Units µg/L					RPD Lir	nit <b>20</b>	
SampID: 24031341-	-011CMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Arsenic			1.0		484	500.0	19.24	92.9	493.9	2.12	04/11/202
Iron			25.0		4250	2000	2403	92.4	4305	1.26	04/11/202
Batch 221242 SampID: MBLK-221	SampType: 242	MBLK		Units µg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	04/13/202
Boron			25.0		< 25.0	9.250	0	0	-100	100	04/18/202
Cadmium			1.0		< 1.0	0.1340	0	0	-100	100	04/16/202
Chromium			1.5		< 1.5	0.7000	0	0	-100	100	04/16/202
Iron			25.0		< 25.0	11.50	0	0	-100	100	04/16/202
Lead			1.0		< 1.0	0.6000	0	0	-100	100	04/16/202
Manganese			2.0		< 2.0	0.7500	0	0	-100	100	04/16/202
Selenium			1.0		< 1.0	0.6000	0	0	-100	100	04/16/202
Vanadium			5.0		< 5.0	5.000	0	0	-100	100	04/16/202
Zinc			15.0		< 15.0	5.900	0	0	-100	100	04/13/202
Batch 221242	SampType:	LCS		Units µg/L							
SampID: LCS-2212	42										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony			1.0		561	500.0	0	112.1	80	120	04/16/202
Arsenic			1.0		487	500.0	0	97.4	80	120	04/13/202
Boron			25.0		416	500.0	0	83.2	80	120	04/18/202
Cadmium			1.0		53.3	50.00	0	106.7	80	120	04/16/202
Chromium			1.5		220	200.0	0	109.8	80	120	04/16/202
Iron			25.0		2290	2000	0	114.5	80	120	04/16/202
Lead			1.0		552	500.0	0	110.4	80	120	04/16/202
Manganese			2.0		564	500.0	0	112.8	80	120	04/16/202
Selenium			1.0		505	500.0	0	101.0	80	120	04/16/202
Vanadium			5.0		554	500.0	0	110.9	80	120	04/16/202
Zinc			15.0		454	500.0	0	90.8	80	120	04/13/202



Zinc

### **Quality Control Results**

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Client: Ramboll Work Order: 24031341
Client Project: NEW-24Q2 Report Date: 14-May-24

	mpType:	MS		Units µg/L							
SampID: 24031341-0120	CMS	C	DI	0.1	D 16	G., T.,	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses Arsenic		Cert	1.0	Qual	Result 499	Spike 500.0	29.81	93.8	75	125	04/13/202
									_	_	
Iron			25.0		6000	2000	3996	100.2	75	125	04/16/202
Batch 221242 Sar	трТуре:	MSD		Units µg/L					RPD Lir	mit <b>20</b>	
SampID: 24031341-0120	CMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Arsenic			1.0		489	500.0	29.81	91.9	499.0	1.96	04/13/20
Iron			25.0		5810	2000	3996	90.9	6000	3.17	04/16/20
Satch 221272 Sar	mpType:	MBLK		Units µg/L							
SampID: MBLK-221272											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony			1.0		< 1.0	0.4500	0	0	-100	100	04/20/20
Arsenic			1.0		< 1.0	0.3750	0	0	-100	100	04/13/20
Boron			25.0		< 25.0	9.250	0	0	-100	100	04/16/20
Cadmium			1.0		< 1.0	0.1340	0	0	-100	100	04/13/20
Chromium			1.5		< 1.5	0.7000	0	0	-100	100	04/16/20
Iron			25.0		< 25.0	11.50	0	0	-100	100	04/16/20
Lead			1.0		< 1.0	0.6000	0	0	-100	100	04/13/20
Manganese			2.0		< 2.0	0.7500	0	0	-100	100	04/16/20
Selenium			1.0		< 1.0	0.6000	0	0	-100	100	04/13/20
Selenium Vanadium			1.0 5.0		< 1.0 < 5.0	0.6000 5.000	0	0	-100 -100	100 100	04/13/20

< 15.0

15.0

5.900 0

-100

100

04/16/2024



Zinc

### **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, META Batch 221272 SampType			Units µg/L							
SamplD: LCS-221272	. 200		Office pg/L							Data
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony	Cort	1.0	Quui	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
<b>Batch 221272 SampType</b> SampID: 24031341-067IMS	: MS		Units µg/L							
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony	Cort	1.0	Quai	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
				440	500.0	0	00.7	75	405	0.4/4.0/000
Selenium		1.0		448	500.0	0	89.7	75	125	04/16/2024
Selenium Vanadium		1.0 5.0		448 488	500.0	0	89.7 97.7	75 75	125 125	04/16/2024

15.0

423

500.0 0

84.5

75

125

04/16/2024



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SW-846 3005A, 6020A, I	METAL	S BY ICP	MS (D	ISSOLVED	))						
	Туре:		(2	Units µg/L	1				RPD Lim	it <b>20</b>	
SampID: 24031341-067IMS	SD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	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 Samp	Туре:	MBLK		Units µg/L							
SampID: MBLK-222066											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Samp	Туре:	LCS		Units µg/L							
SampID: LCS-222066											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
- *****	Туре:	MBLK		Units µg/L							
SampID: MBLK-222313					_	_	ODI/ E	0/553			Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike		%REC	Low Limit	High Limit	•
Antimony			1.0		< 1.0	0.4500	0	0	-100	100	05/07/2024
Arsenic			1.0		< 1.0	0.3750		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



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Dutti	/pe: LCS		Units µg/L							
SampID: LCS-222313										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzeu
Antimony		1.0		458	500.0	0	91.7	80	120	05/07/202
Arsenic		1.0		451	500.0	0	90.1	80	120	05/01/202
Lead		1.0		485	500.0	0	97.1	80	120	05/01/202
Selenium		1.0		466	500.0	0	93.3	80	120	05/01/202
Zinc		15.0		423	500.0	0	84.6	80	120	05/01/202
Batch 222313 SampTy	/pe: 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	05/07/202
Arsenic		1.0		467	500.0	23.30	88.8	75	125	05/02/202
Lead		1.0		459	500.0	0	91.8	75	125	05/02/202
Selenium		1.0		472	500.0	0	94.4	75	125	05/02/202
Batch 222313 SampTy	/pe: MSD		Units µg/L					RPD Lir	mit <b>20</b>	
SampID: 24042058-002GMSI	)									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Antimony		1.0		482	500.0	0	96.4	490.2	1.65	05/07/20
Arsenic		1.0		472	500.0	23.30	89.8	467.3	1.03	05/02/20
Lead		1.0		462	500.0	0	92.4	458.9	0.65	05/02/20



Selenium

Thallium

### **Quality Control Results**

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Client: Ramboll Work Order: 24031341
Client Project: NEW-24Q2 Report Date: 14-May-24

SW-846 3005A, 6020A, ME			•							
	pe: 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	04/04/202
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	04/06/202
Barium		1.0		< 1.0	0.7000	0	0	-100	100	04/06/202
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	04/08/202
Boron		25.0		< 25.0	9.250	0	0	-100	100	04/06/202
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	04/06/20
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	04/06/20
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	04/06/202
Iron		25.0		< 25.0	11.50	0	0	-100	100	04/06/20
Lead		1.0		< 1.0	0.6000	0	0	-100	100	04/06/20
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	04/09/20
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	04/06/20
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	04/10/20
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	04/06/20
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	04/08/20
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	04/06/20
	pe: LCS		Units µg/L							
SampID: LCS-220750										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		1.0		462	500.0	0	92.4	80	120	04/04/20
Arsenic		1.0		474	500.0	0	94.8	80	120	04/04/20
Barium		1.0		1850	2000	0	92.5	80	120	04/04/20
Beryllium		1.0		58.5	50.00	0	116.9	80	120	04/08/20
Boron		25.0		457	500.0	0	91.5	80	120	04/04/20
Cadmium		1.0		45.7	50.00	0	91.5	80	120	04/04/20
Chromium		1.5		185	200.0	0	92.4	80	120	04/04/20
Cobalt		1.0		464	500.0	0	92.9	80	120	04/04/20
Lead		1.0		444	500.0	0	88.8	80	120	04/04/20
Lithium	*	3.0		543	500.0	0	108.7	80	120	04/09/20
Molybdenum		1.5		423	500.0	0	84.6	80	120	04/10/20
0.1.		4.0		400	F00 °	•	00.0	00	400	0.4/0.4/0.0

1.0

2.0

490

248

500.0

250.0

0

98.0

99.3

80

80

120

120

04/04/2024

04/08/2024



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SW-846 3005A, 6020A, META	LS BY ICF	PMS (T	OTAL)							
Batch 221023 SampType:	MBLK		Units µg/L							
SampID: MBLK-221023										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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							
Batch 221023 SampType: SampID: LCS-221023	LCS		Units µg/L							Date
	<b>LCS</b> Cert	RL	Units µg/L Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: LCS-221023		RL 1.0		Result 565	Spike 500.0	SPK Ref Val	%REC 113.0	Low Limit 80	High Limit	Analyzed
SampID: LCS-221023 Analyses									-	Analyzed
SampID: LCS-221023  Analyses  Antimony		1.0		565	500.0	0	113.0	80	120	Analyzed 04/12/2024 04/09/2024
SampID: LCS-221023  Analyses  Antimony  Arsenic		1.0 1.0		565 521	500.0 500.0	0	113.0 104.2	80 80	120 120	Analyzed 04/12/2024 04/09/2024 04/09/2024
SampID: LCS-221023  Analyses  Antimony  Arsenic  Barium		1.0 1.0 1.0		565 521 2350	500.0 500.0 2000	0 0 0	113.0 104.2 117.5	80 80 80	120 120 120	Analyzed 04/12/2024 04/09/2024 04/09/2024 04/09/2024
SampID: LCS-221023  Analyses  Antimony  Arsenic  Barium  Beryllium		1.0 1.0 1.0 1.0		565 521 2350 56.5	500.0 500.0 2000 50.00	0 0 0	113.0 104.2 117.5 112.9	80 80 80 80	120 120 120 120	Analyzed 04/12/2024 04/09/2024 04/09/2024 04/09/2024 04/10/2024
SampID: LCS-221023  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron		1.0 1.0 1.0 1.0 25.0	Qual	565 521 2350 56.5 529	500.0 500.0 2000 50.00 500.0	0 0 0 0	113.0 104.2 117.5 112.9 105.7	80 80 80 80	120 120 120 120 120	Analyzed  04/12/2024  04/09/2024  04/09/2024  04/09/2024  04/10/2024
Analyses Antimony Arsenic Barium Beryllium Boron Cadmium		1.0 1.0 1.0 1.0 25.0	Qual	565 521 2350 56.5 529 68.2	500.0 500.0 2000 50.00 500.0 50.00	0 0 0 0 0	113.0 104.2 117.5 112.9 105.7 136.4	80 80 80 80 80	120 120 120 120 120 120	Analyzed  04/12/2024  04/09/2024  04/09/2024  04/09/2024  04/10/2024
SampID: LCS-221023  Analyses  Antimony Arsenic Barium Beryllium Boron Cadmium Cadmium		1.0 1.0 1.0 1.0 25.0 1.0	Qual	565 521 2350 56.5 529 68.2 53.4	500.0 500.0 2000 50.00 500.0 50.00	0 0 0 0 0 0	113.0 104.2 117.5 112.9 105.7 136.4 106.8	80 80 80 80 80 80	120 120 120 120 120 120 120	Analyzed  04/12/2024  04/09/2024  04/09/2024  04/09/2024  04/10/2024  04/12/2024
SampID: LCS-221023  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron  Cadmium  Cadmium  Chromium		1.0 1.0 1.0 1.0 25.0 1.0 1.5	Qual	565 521 2350 56.5 529 68.2 53.4 206	500.0 500.0 2000 50.00 500.0 50.00 50.00 200.0	0 0 0 0 0 0 0	113.0 104.2 117.5 112.9 105.7 136.4 106.8 103.2	80 80 80 80 80 80 80	120 120 120 120 120 120 120 120	Analyzed  04/12/2024  04/09/2024  04/09/2024  04/10/2024  04/12/2024  04/09/2024
SampID: LCS-221023  Analyses  Antimony Arsenic Barium Beryllium Boron Cadmium Cadmium Chromium Cobalt		1.0 1.0 1.0 25.0 1.0 1.5 1.0	Qual	565 521 2350 56.5 529 68.2 53.4 206	500.0 500.0 2000 50.00 500.0 50.00 50.00 200.0	0 0 0 0 0 0 0	113.0 104.2 117.5 112.9 105.7 136.4 106.8 103.2	80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120	Analyzed  04/12/2024  04/09/2024  04/09/2024  04/10/2024  04/10/2024  04/12/2024  04/09/2024  04/09/2024
Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Cadmium Chromium Cobalt Lead Lithium	Cert	1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0	Qual	565 521 2350 56.5 529 68.2 53.4 206 548	500.0 500.0 2000 50.00 500.0 50.00 200.0 500.0 500.0	0 0 0 0 0 0 0 0	113.0 104.2 117.5 112.9 105.7 136.4 106.8 103.2 109.7 109.0	80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	Analyzed  04/12/2024  04/09/2024  04/09/2024  04/10/2024  04/12/2024  04/09/2024  04/09/2024  04/09/2024  04/09/2024
SampID: LCS-221023  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron  Cadmium  Cadmium  Chromium  Cobalt  Lead	Cert	1.0 1.0 1.0 25.0 1.0 1.5 1.0	Qual	565 521 2350 56.5 529 68.2 53.4 206 548 545	500.0 500.0 2000 50.00 50.00 50.00 200.0 500.0	0 0 0 0 0 0 0 0	113.0 104.2 117.5 112.9 105.7 136.4 106.8 103.2 109.7	80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	Analyzed  04/12/2024  04/09/2024  04/09/2024  04/10/2024  04/10/2024  04/12/2024  04/09/2024



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Batch 221023 Sa	ampType:	MS		Units µg/L							
SampID: 24031341-015	5BMS	Cont	DI	O1	D14	C:1	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses Antimony		Cert	1.0	Qual	Result 558	Spike 500.0	0	111.5	75	125	04/12/202
•					507						
Arsenic Barium			1.0			500.0	0.5448	101.3	75 75	125	04/09/202
			1.0		2320	2000	31.72	114.3	75 75	125	04/09/202
Beryllium			1.0		51.8	50.00	0	103.7	75 75	125	04/09/202
Boron			25.0	•	1260	500.0	739.7	104.3	75 	125	04/10/202
Cadmium			1.0	S	66.2	50.00	0	132.3	75 	125	04/10/202
Chromium			1.5		192	200.0	0	96.1	75 	125	04/09/202
Cobalt			1.0		504	500.0	1.001	100.5	75	125	04/09/202
Lead			1.0		517	500.0	0	103.3	75	125	04/09/202
Lithium		*	3.0		555	500.0	33.77	104.2	75	125	04/12/20
Molybdenum			1.5		492	500.0	0.6612	98.2	75	125	04/12/20
Selenium			1.0		478	500.0	0	95.5	75	125	04/09/20
Thallium			2.0		283	250.0	0	113.1	75	125	04/09/20
			2.0		200	200.0	· ·		. •		0 1, 00, 202
	ampType:	MSD		Units µg/L		230.0			RPD Lir		0 1/00/201
Batch 221023 Sa		MSD		Units µg/L		230.0					Date
<b>Satch 221023 S</b> SampID: 24031341-015		<b>MSD</b> Cert		Units <b>µg/L</b> Qual	Result	Spike	SPK Ref Val	%REC		mit <b>20</b>	Date
<b>Batch 221023 S</b> ampID: 24031341-015 Analyses				. •					RPD Lir	mit <b>20</b>	
Satch 221023 SampID: 24031341-015 Analyses Antimony			RL	. •	Result	Spike	SPK Ref Val	%REC	RPD Lir	mit <b>20</b> al %RPD	Date Analyzed
Satch 221023 SampID: 24031341-015 Analyses Antimony Arsenic			RL 1.0	. •	Result 555	Spike 500.0	SPK Ref Val	%REC 111.0	RPD Lir RPD Ref V 557.7	mit <b>20</b> al %RPD 0.51	Date Analyzed 04/12/20: 04/09/20:
Satch 221023 SampID: 24031341-015 Analyses Antimony Arsenic Barium			RL 1.0 1.0	. •	Result 555 519	Spike 500.0 500.0	SPK Ref Val 0 0.5448	%REC 111.0 103.6	RPD Lir RPD Ref V 557.7 506.8	mit <b>20</b> al %RPD 0.51 2.32	Date Analyzed
Satch 221023 SampID: 24031341-015 Analyses Antimony Arsenic Barium Beryllium			RL 1.0 1.0	. •	Result 555 519 2350	Spike 500.0 500.0 2000	SPK Ref Val 0 0.5448 31.72	%REC 111.0 103.6 115.7	RPD Lir RPD Ref V 557.7 506.8 2317	mit <b>20</b> al %RPD  0.51  2.32  1.28	Date Analyzed 04/12/202 04/09/202 04/09/202
Satch 221023 SampID: 24031341-015 Analyses Antimony Arsenic Barium Beryllium Boron			RL 1.0 1.0 1.0	. •	Result 555 519 2350 54.9	Spike 500.0 500.0 2000 50.00	SPK Ref Val 0 0.5448 31.72 0	%REC 111.0 103.6 115.7 109.8	RPD Lir RPD Ref V 557.7 506.8 2317 51.84	mit <b>20</b> al %RPD 0.51 2.32 1.28 5.73	Date Analyzed 04/12/20: 04/09/20: 04/09/20: 04/09/20:
Satch 221023 Satch 221023 SamplD: 24031341-015 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium			RL 1.0 1.0 1.0 1.0 25.0	Qual	Result 555 519 2350 54.9 1270	Spike 500.0 500.0 2000 50.00 500.0	SPK Ref Val 0 0.5448 31.72 0 739.7	%REC 111.0 103.6 115.7 109.8 106.4	RPD Lir RPD Ref V 557.7 506.8 2317 51.84 1261	mit <b>20</b> al %RPD  0.51  2.32  1.28  5.73  0.82	Date Analyzed 04/12/20: 04/09/20: 04/09/20: 04/10/20: 04/10/20:
Batch 221023 SampID: 24031341-015 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium			RL 1.0 1.0 1.0 1.0 25.0	Qual	Result 555 519 2350 54.9 1270 67.6	Spike 500.0 500.0 2000 50.00 500.0 50.00	SPK Ref Val 0 0.5448 31.72 0 739.7 0	%REC 111.0 103.6 115.7 109.8 106.4 135.2	RPD Lin  RPD Ref V  557.7  506.8  2317  51.84  1261  66.17	mit <b>20</b> al %RPD  0.51  2.32  1.28  5.73  0.82  2.14	Date Analyzed 04/12/202 04/09/202 04/09/202 04/10/202
Satch 221023 SampID: 24031341-015 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt			RL 1.0 1.0 1.0 1.0 25.0 1.0	Qual	Result 555 519 2350 54.9 1270 67.6	Spike 500.0 500.0 2000 50.00 500.0 200.0	SPK Ref Val 0 0.5448 31.72 0 739.7 0	%REC 111.0 103.6 115.7 109.8 106.4 135.2 98.7	RPD Lir RPD Ref V 557.7 506.8 2317 51.84 1261 66.17 192.3	mit <b>20</b> al %RPD  0.51  2.32  1.28  5.73  0.82  2.14  2.65	Date Analyzed 04/12/202 04/09/202 04/09/202 04/10/202 04/10/202 04/09/202
Satch 221023 SamplD: 24031341-015 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead			RL 1.0 1.0 1.0 25.0 1.0 1.5 1.0	Qual	Result  555  519  2350  54.9  1270  67.6  197  519	Spike 500.0 500.0 2000 50.00 50.00 200.0 500.0	SPK Ref Val 0 0.5448 31.72 0 739.7 0 0 1.001	%REC 111.0 103.6 115.7 109.8 106.4 135.2 98.7 103.7	RPD Lin  RPD Ref V  557.7  506.8  2317  51.84  1261  66.17  192.3  503.7	mit 20  al %RPD  0.51  2.32  1.28  5.73  0.82  2.14  2.65  3.08	Date Analyzed 04/12/20 04/09/20 04/09/20 04/10/20 04/10/20 04/09/20
Satch 221023 SatemplD: 24031341-015 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium		Cert	RL 1.0 1.0 1.0 25.0 1.0 1.5 1.0	Qual	Result  555 519 2350 54.9 1270 67.6 197 519	Spike 500.0 500.0 2000 50.00 500.0 200.0 500.0	SPK Ref Val 0 0.5448 31.72 0 739.7 0 0 1.001	%REC 111.0 103.6 115.7 109.8 106.4 135.2 98.7 103.7 104.7	RPD Lir RPD Ref V 557.7 506.8 2317 51.84 1261 66.17 192.3 503.7 516.6	mit <b>20</b> al %RPD  0.51  2.32  1.28  5.73  0.82  2.14  2.65  3.08  1.38	Date Analyzed 04/12/20 04/09/20 04/09/20 04/10/20 04/10/20 04/09/20 04/09/20
		Cert	RL 1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0	Qual	Result  555  519  2350  54.9  1270  67.6  197  519  524  560	Spike 500.0 500.0 2000 50.00 50.00 500.0 500.0 500.0 500.0	SPK Ref Val  0 0.5448 31.72 0 739.7 0 0 1.001 0 33.77	%REC 111.0 103.6 115.7 109.8 106.4 135.2 98.7 103.7 104.7 105.3	RPD Lin  RPD Ref V  557.7  506.8  2317  51.84  1261  66.17  192.3  503.7  516.6  554.7	mit 20  al %RPD  0.51  2.32  1.28  5.73  0.82  2.14  2.65  3.08  1.38  1.04	Date Analyzed 04/12/20 04/09/20 04/09/20 04/10/20 04/10/20 04/09/20 04/09/20 04/12/20



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		MS (TO	) IAL)							
Satch 221127 SampType:	MBLK	ı	Units µg/L							
SampID: MBLK-221127										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	04/17/202
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	04/11/202
Barium		1.0		< 1.0	0.7000	0	0	-100	100	04/11/202
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	04/17/202
Boron		25.0		< 25.0	9.250	0	0	-100	100	04/16/202
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	04/13/202
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	04/11/202
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	04/11/202
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	04/11/202
Lead		1.0		< 1.0	0.6000	0	0	-100	100	04/11/202
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	04/11/20
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	04/16/202
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	04/13/20
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	04/11/20
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	04/11/20
Ratch 221127 SampType:	LCS		Units µg/L							
Satch 221127 SampType: SampID: LCS-221127	LCS	I	Units µg/L							Date
SampID: LCS-221127				Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: LCS-221127 Analyses	<b>Cert</b>	RL 1.0	Units <b>µg/L</b> Qual	Result	Spike 500.0	SPK Ref Val	%REC 102.4	Low Limit	High Limit	
SampID: LCS-221127  Analyses  Antimony		RL			·				Ū	Analyzed
SampID: LCS-221127  Analyses  Antimony  Arsenic		RL 1.0		512	500.0	0	102.4	80	120	Analyzed 04/17/202
SampID: LCS-221127  Analyses  Antimony  Arsenic  Barium		RL 1.0 1.0		512 519	500.0 500.0	0	102.4 103.8	80 80	120 120	04/17/20 04/11/20 04/17/20
SampID: LCS-221127  Analyses  Antimony  Arsenic  Barium  Beryllium		RL 1.0 1.0 1.0 1.0		512 519 2040	500.0 500.0 2000 50.00	0 0 0	102.4 103.8 101.9	80 80 80 80	120 120 120	04/17/20: 04/11/20: 04/17/20: 04/17/20:
SampID: LCS-221127  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron		RL 1.0 1.0 1.0 1.0 25.0		512 519 2040 53.4 591	500.0 500.0 2000 50.00 500.0	0 0 0	102.4 103.8 101.9 106.8 118.1	80 80 80 80	120 120 120 120 120	04/17/20 04/17/20 04/17/20 04/17/20 04/16/20
SampID: LCS-221127  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron  Cadmium		RL 1.0 1.0 1.0 1.0 25.0	Qual	512 519 2040 53.4 591 54.0	500.0 500.0 2000 50.00 500.0 50.00	0 0 0 0 0	102.4 103.8 101.9 106.8 118.1 107.9	80 80 80 80 80	120 120 120 120 120 120	Analyzed 04/17/20 04/11/20 04/17/20 04/17/20 04/16/20 04/13/20
Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Cadmium		RL 1.0 1.0 1.0 1.0 25.0 1.0 1.0		512 519 2040 53.4 591 54.0 66.6	500.0 500.0 2000 50.00 500.0 50.00	0 0 0 0 0 0	102.4 103.8 101.9 106.8 118.1 107.9 133.2	80 80 80 80 80 80	120 120 120 120 120 120 120	04/17/20 04/11/20 04/17/20 04/17/20 04/16/20 04/13/20 04/11/20
Analyses Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Cadmium Chromium		RL 1.0 1.0 1.0 1.0 25.0 1.0 1.0 1.5	Qual	512 519 2040 53.4 591 54.0 66.6 220	500.0 500.0 2000 50.00 500.0 50.00 50.00 200.0	0 0 0 0 0 0	102.4 103.8 101.9 106.8 118.1 107.9 133.2 110.2	80 80 80 80 80 80	120 120 120 120 120 120 120 120	Analyzed 04/17/20 04/11/20 04/17/20 04/17/20 04/16/20 04/13/20 04/11/20 04/11/20
Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Cadmium Chromium Cobalt		RL 1.0 1.0 1.0 1.0 25.0 1.0 1.0 1.0 1.0	Qual	512 519 2040 53.4 591 54.0 66.6 220 525	500.0 500.0 2000 50.00 500.0 50.00 50.00 200.0	0 0 0 0 0 0 0	102.4 103.8 101.9 106.8 118.1 107.9 133.2 110.2	80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120	Analyzed 04/17/20 04/11/20 04/17/20 04/17/20 04/16/20 04/13/20 04/11/20 04/11/20
Analyses Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Lead		RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0	Qual	512 519 2040 53.4 591 54.0 66.6 220 525 516	500.0 500.0 2000 50.00 500.0 50.00 200.0 500.0	0 0 0 0 0 0 0 0	102.4 103.8 101.9 106.8 118.1 107.9 133.2 110.2 105.0 103.3	80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120	Analyzed 04/17/20 04/11/20 04/17/20 04/17/20 04/16/20 04/13/20 04/11/20 04/11/20 04/11/20
Analyses Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Cadmium Chromium Cobalt Lead Lithium	Cert	RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0 1.0 3.0	Qual	512 519 2040 53.4 591 54.0 66.6 220 525 516	500.0 500.0 2000 50.00 500.0 50.00 200.0 500.0 500.0	0 0 0 0 0 0 0 0	102.4 103.8 101.9 106.8 118.1 107.9 133.2 110.2 105.0 103.3 109.4	80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	04/17/20 04/17/20 04/17/20 04/17/20 04/16/20 04/13/20 04/11/20 04/11/20 04/11/20 04/11/20
SampID: LCS-221127  Analyses  Antimony Arsenic  Barium  Beryllium  Cadmium  Chromium  Cobalt  Lead  Lithium  Lithium	Cert	RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0 3.0	Qual	512 519 2040 53.4 591 54.0 66.6 220 525 516 547	500.0 500.0 2000 50.00 500.0 50.00 200.0 500.0 500.0 500.0	0 0 0 0 0 0 0 0 0	102.4 103.8 101.9 106.8 118.1 107.9 133.2 110.2 105.0 103.3 109.4 118.4	80 80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	04/17/20 04/17/20 04/17/20 04/17/20 04/16/20 04/13/20 04/11/20 04/11/20 04/11/20 04/11/20 04/11/20
	Cert	RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0 1.0 3.0	Qual	512 519 2040 53.4 591 54.0 66.6 220 525 516	500.0 500.0 2000 50.00 500.0 50.00 200.0 500.0 500.0	0 0 0 0 0 0 0 0	102.4 103.8 101.9 106.8 118.1 107.9 133.2 110.2 105.0 103.3 109.4	80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	04/17/202 04/11/202



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SW-846 3005A, 60	20A, METAL	LS BY ICF	MS (TO	OTAL)							
Batch 221211	SampType:			Units µg/L							
SampID: MBLK-221	211										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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-2212							ODIV D. (VV.)	0/050			Date
SampID: LCS-2212		<b>LCS</b> Cert	RL	Units <b>µg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID: LCS-2212: Analyses Antimony			RL 1.0		471	500.0	0	94.2	80	120	Analyzed 04/17/2024
SampID: LCS-2212 Analyses Antimony Arsenic			RL 1.0 1.0		471 482	500.0 500.0	0	94.2 96.4	80 80	120 120	Analyzed 04/17/2024 04/13/2024
SampID: LCS-2212:  Analyses  Antimony  Arsenic  Barium			RL 1.0 1.0 1.0		471 482 2200	500.0 500.0 2000	0 0 0	94.2 96.4 110.2	80 80 80	120 120 120	Analyzed 04/17/2024 04/13/2024 04/16/2024
SampID: LCS-2212 Analyses Antimony Arsenic			RL 1.0 1.0		471 482	500.0 500.0	0	94.2 96.4	80 80	120 120	Analyzed 04/17/2024 04/13/2024
Analyses  Antimony  Arsenic  Barium  Beryllium  Boron			RL 1.0 1.0 1.0 1.0 25.0		471 482 2200 57.0 457	500.0 500.0 2000	0 0 0	94.2 96.4 110.2 114.0 91.4	80 80 80	120 120 120	Analyzed 04/17/2024 04/13/2024 04/16/2024
SampID: LCS-2212:  Analyses  Antimony  Arsenic  Barium  Beryllium			RL 1.0 1.0 1.0 1.0		471 482 2200 57.0	500.0 500.0 2000 50.00	0 0 0	94.2 96.4 110.2 114.0	80 80 80 80	120 120 120 120	Analyzed  04/17/2024  04/13/2024  04/16/2024  04/15/2024
Analyses  Antimony  Arsenic  Barium  Beryllium  Boron			RL 1.0 1.0 1.0 1.0 25.0		471 482 2200 57.0 457	500.0 500.0 2000 50.00 500.0	0 0 0 0	94.2 96.4 110.2 114.0 91.4	80 80 80 80	120 120 120 120 120	Analyzed  04/17/2024  04/13/2024  04/16/2024  04/15/2024  04/17/2024
SampID: LCS-2212:  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron  Cadmium			RL 1.0 1.0 1.0 1.0 25.0		471 482 2200 57.0 457 48.9	500.0 500.0 2000 50.00 500.0 50.00	0 0 0 0 0	94.2 96.4 110.2 114.0 91.4 97.9	80 80 80 80 80	120 120 120 120 120 120	Analyzed  04/17/2024  04/13/2024  04/16/2024  04/15/2024  04/17/2024  04/13/2024
Analyses  Antimony Arsenic Barium Beryllium Boron Cadmium Chromium			RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5		471 482 2200 57.0 457 48.9 221	500.0 500.0 2000 50.00 500.0 50.00 200.0	0 0 0 0 0 0	94.2 96.4 110.2 114.0 91.4 97.9 110.3	80 80 80 80 80 80	120 120 120 120 120 120 120	Analyzed  04/17/2024  04/13/2024  04/16/2024  04/15/2024  04/17/2024  04/13/2024  04/15/2024
SampID: LCS-2212:  Analyses  Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt			RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0		471 482 2200 57.0 457 48.9 221	500.0 500.0 2000 50.00 500.0 50.00 200.0 500.0	0 0 0 0 0 0 0	94.2 96.4 110.2 114.0 91.4 97.9 110.3 100.4	80 80 80 80 80 80 80	120 120 120 120 120 120 120 120	Analyzed  04/17/2024  04/13/2024  04/16/2024  04/15/2024  04/17/2024  04/13/2024  04/15/2024  04/13/2024
SampID: LCS-2212:  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron  Cadmium  Chromium  Cobalt  Lead		Cert	RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0		471 482 2200 57.0 457 48.9 221 502	500.0 500.0 2000 50.00 500.0 200.0 500.0 500.0	0 0 0 0 0 0 0	94.2 96.4 110.2 114.0 91.4 97.9 110.3 100.4 110.9	80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120	Analyzed  04/17/2024  04/13/2024  04/16/2024  04/15/2024  04/13/2024  04/13/2024  04/13/2024  04/13/2024
SampID: LCS-2212:  Analyses  Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium		Cert	RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0		471 482 2200 57.0 457 48.9 221 502 554	500.0 500.0 2000 50.00 500.0 500.0 200.0 500.0 500.0	0 0 0 0 0 0 0 0	94.2 96.4 110.2 114.0 91.4 97.9 110.3 100.4 110.9	80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	Analyzed  04/17/2024  04/13/2024  04/16/2024  04/15/2024  04/17/2024  04/13/2024  04/15/2024  04/15/2024  04/15/2024



Thallium

### **Quality Control Results**

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Client: Ramboll Work Order: 24031341
Client Project: NEW-24Q2 Report Date: 14-May-24

Batch 221211 Sam	рТуре:	MS		Units µg/L							
SampID: 24031341-010BN	MS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
T	T	MOD		Links					DDD Li	wit 00	
<b>Batch 221211 Sam</b> SampID: 24031341-010BN	pType:	MSD		Units µg/L					RPD Lir	nit 20	
	VIOD	C	DI	01	D14	C:1	SPK Ref Val	%REC	RPD Ref V	al %PDD	Date Analyzed
Analyses Antimony		Cert	1.0	Qual	Result 486	Spike 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	0.1550	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
			1.0		.50	000.0	-	407.	000.4	2.00	5-1/10/202-

2.0

269

250.0 0

107.4

262.5

2.31

04/16/2024



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SW-846 3005A, 6020A, META	LS BY ICF	MS (T	OTAL)							
Batch 221254 SampType:			Units µg/L							
SampID: MBLK-221254										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



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SW-846 3005A, 6020A, METAL	_S BY ICP	MS (TO	TAL)							
Batch 221254 SampType:	LCS	L	Jnits <b>μg/L</b>							
SampID: LCS-221254										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	В	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



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SW-846 3005A, 6020A, METAI	LS BY ICF	MS (TO	TAL)							
Batch 221254 SampType:	MS	U	nits <b>µg/L</b>							
SampID: 24031341-071HMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	В	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



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Batch 221254	SampType:	MSD		Units µg/L					RPD Lim	it <b>20</b>	
SampID: 24031341-0	71HMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
Aluminum			25.0		2060	2000	0	102.9	2044	0.70	04/15/202
Antimony			1.0		487	500.0	0	97.4	476.5	2.19	04/17/202
Arsenic			1.0		503	500.0	0	100.6	511.6	1.71	04/13/202
Barium			1.0	S	2600	2000	0	129.8	2631	1.36	04/15/202
Beryllium			1.0		58.8	50.00	0	117.6	60.88	3.47	04/15/202
Boron			25.0		488	500.0	0	97.5	503.4	3.20	04/17/202
Cadmium			1.0		55.9	50.00	0	111.9	56.48	0.97	04/15/202
Chromium			1.5		223	200.0	0	111.3	226.6	1.75	04/15/202
Cobalt			1.0		523	500.0	0	104.5	532.1	1.79	04/13/202
Copper			1.0		287	250.0	0.5094	114.6	292.1	1.74	04/15/202
Iron			25.0		2320	2000	0	116.2	2363	1.66	04/15/202
Lead			1.0		563	500.0	0	112.5	571.6	1.59	04/15/202
Lithium		*	3.0		584	500.0	0	116.8	603.4	3.29	04/15/202
Manganese			2.0	В	572	500.0	0	114.5	584.8	2.16	04/15/202
Molybdenum			1.5		484	500.0	0	96.9	489.1	0.96	04/13/202
Nickel			1.0		562	500.0	0	112.4	574.3	2.15	04/15/202
Selenium			1.0		536	500.0	0	107.2	543.8	1.45	04/15/202
Silver			1.0		53.8	50.00	0	107.6	54.52	1.33	04/15/202
Thallium			2.0		273	250.0	0	109.3	276.0	0.99	04/15/202
Zinc			15.0		481	500.0	0	96.1	477.9	0.58	04/13/202
<b>Batch 222063</b> SampID: MBLK-2220	SampType:	MBLK		Units µg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
_ead			1.0		< 1.0	0.6000	0	0	-100	100	04/30/202
<b>Batch 222063</b> campID: LCS-222063	SampType:	LCS		Units µg/L							Dete
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		CCIT	1.0	Quai	517	500.0	0	103.4	80	120	04/30/202
SW-846 7470A (DIS	SOLVED										
	SampType:	MS		Units µg/L							
sampID: 24031341-0				. •							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury			0.20	_	5.27	5.000	0.2289	100.9	75	125	04/09/20



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SW-846 7470A (DISSOLVED)										
Batch 221024 SampType:	MSD		Units µg/L					RPD Lir	nit <b>15</b>	
SampID: 24031341-061DMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Mercury		0.20		5.23	5.000	0.2289	100.0	5.273	0.85	04/09/202
Batch 221259 SampType: SampID: 24031341-002CMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.96	5.000	0	99.2	75	125	04/11/202
Batch 221259 SampType:	MSD		Units µg/L					RPD Lin	nit <b>15</b>	
SampID: 24031341-002CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		Analyzed
Mercury		0.20		4.83	5.000	0	96.6	4.958	2.61	04/11/202
Batch 221259 SampType:	MS		Units µg/L							
SampID: 24031341-034CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.10	5.000	0	101.9	75	125	04/11/202
Batch 221259 SampType:	MSD		Units µg/L					RPD Lir	nit <b>15</b>	
SampID: 24031341-034CMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Mercury	Cert	0.20	Quai	5.10	5.000	0	102.0	5.095	0.12	04/11/202
Batch 221337 SampType:	MBLK		Units µg/L							
SampID: MBLK-221337			oo µ-9.=							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20	Q out	< 0.20	0.0550	0	0	-100	100	04/12/202
Batch 221337 SampType: SampID: LCS-221337	LCS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.60	5.000	0	111.9	85	115	04/12/202
<b>Batch 221337 SampType:</b> SampID: 24031341-055CMS	MS		Units µg/L							Dat
										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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<b>SW-846 7470A (DISSOLVED)</b>										
Batch 221337 SampType:	MSD		Units µg/L					RPD Lir	nit <b>15</b>	
SampID: 24031341-055CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.20		8.52	10.00	0	85.2	9.104	6.67	04/12/2024
<b>Batch 221952 SampType:</b> SampID: 24041754-010CMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.40		9.64	10.00	0	96.4	75	125	04/25/2024
Batch 221952 SampType:	MSD		Units µg/L					RPD Lir	mit <b>15</b>	
SampID: 24041754-010CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.40		9.68	10.00	0	96.8	9.641	0.35	04/25/2024
<b>Batch 222067 SampType:</b> SampID: 24042058-006GMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	nit <b>15</b>	
SampID: 24042058-006GMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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: SampID: MBLK-220853	MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	04/05/2024
	LCS		Units µg/L							Date
Batch 220853 SampType: SampID: LCS-220853 Analyses	<b>LCS</b> Cert	RL	Units µg/L Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed



http://www.teklabinc.com/

Batch 221024 SampType:	MOLIZ		Links							
SampID: MBLK-221024	MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	04/09/2024
Batch 221024 SampType: SampID: LCS-221024	LCS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.27	5.000	0	105.3	85	115	04/09/2024
<b>Batch 221024 SampType:</b> SampID: 24031341-017BMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.10	5.000	0	101.9	75	125	04/09/2024
Batch 221024 SampType:	MSD		Units µg/L					RPD Lir	mit <b>15</b>	
SamplD: 24031341-017BMSD	C	DI	0 .1	D 14	0.11	SPK Ref Val	% DEC	RPD Ref V	al %PDD	Date Analyzed
Analyses Mercury	Cert	RL 0.20	Qual	Result 5.13	Spike 5.000	0	102.7	5.096	0.73	04/09/202
Wording		0.20		0.10	0.000		102.7	0.000	0.70	04/00/202
Batch 221096 SampType: SampID: MBLK-221096	MBLK		Units µg/L							
										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses Mercury	Cert	RL 0.20	Qual	Result	Spike 0.0550		%REC	Low Limit	High Limit	
			Qual Units µg/L						J	Analyzed
Mercury  Batch 221096 SampType:									J	Analyzed 04/09/2024
Mercury  Batch 221096 SampType: SampID: LCS-221096	LCS	0.20	Units µg/L	< 0.20	0.0550	0	0	-100	100	Analyzed 04/09/202
Mercury  Batch 221096 SampType: SampID: LCS-221096  Analyses	LCS Cert	0.20 RL	Units µg/L	< 0.20	0.0550 Spike	0 SPK Ref Val	0 %REC	-100 Low Limit	100 High Limit	Analyzed 04/09/202
Mercury  Batch 221096 SampType: SampID: LCS-221096  Analyses Mercury  Batch 221096 SampType: SampID: 24031341-063BMS	LCS Cert	0.20 RL	Units <b>µg/L</b> Qual	< 0.20	0.0550 Spike	0 SPK Ref Val 0	%REC 99.5	-100 Low Limit 85	100 High Limit	O4/09/202- Date Analyzed 04/09/202-
Mercury  Batch 221096 SampType: SampID: LCS-221096  Analyses Mercury  Batch 221096 SampType: SampID: 24031341-063BMS	Cert MS	0.20 RL 0.20	Units µg/L Qual Units µg/L	< 0.20  Result 4.98	0.0550 Spike 5.000	0 SPK Ref Val 0	%REC 99.5	-100 Low Limit 85	100 High Limit 115	Date Analyzed 04/09/202
Mercury  Batch 221096 SampType: SampID: LCS-221096  Analyses Mercury  Batch 221096 SampType: SampID: 24031341-063BMS  Analyses Mercury  Batch 221096 SampType:	Cert  MS  Cert	0.20 RL 0.20	Units µg/L Qual Units µg/L	Result 4.98	Spike 5.000	SPK Ref Val 0 SPK Ref Val	%REC 99.5	Low Limit 85	High Limit 115  High Limit 125	Date Analyzed 04/09/202
Mercury  Batch 221096 SampType: SampID: LCS-221096  Analyses Mercury  Batch 221096 SampType: SampID: 24031341-063BMS  Analyses Mercury	Cert  MS  Cert	0.20 RL 0.20	Units µg/L  Qual  Units µg/L  Qual	Result 4.98	Spike 5.000	SPK Ref Val 0 SPK Ref Val	%REC 99.5 %REC 95.8	Low Limit 85 Low Limit 75	High Limit 115  High Limit 125  mit 15	Date Analyzed 04/09/202  Date Analyzed 04/09/202  Date Analyzed



http://www.teklabinc.com/

Datak 221138 SamnTvno:										
Batch 221138 SampType: SampID: MBLK-221138	MBLK		Units µg/L							
	C	DI	0 .1	D 14	G '1	SPK Ref Val	% DEC	Low Limit	High Limit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike					
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	04/10/202
Batch 221138 SampType: SampID: LCS-221138	LCS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.42	5.000	0	108.5	85	115	04/10/202
Batch 221259 SampType: SampID: MBLK-221259	MBLK		Units µg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20	•	< 0.20	0.0550	0	0	-100	100	04/11/202
Batch 221259 SampType: SampID: LCS-221259	LCS		Units µg/L							Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	CCIT	0.20	Quai	5.11	5.000	0	102.2	85	115	04/11/202
Batch 221268 SampType:	MBLK		Units µg/L							
SampID: MBLK-221268										Date
Analyeae	Cort	DI	Onol	Docult	Spika	SPK Ref Val	%RFC	Low Limit	High Limit	Analyzed
Analyses Mercury	Cert	RL 0.20	Qual	Result < 0.20	Spike 0.0550	SPK Ref Val	%REC 0	Low Limit	High Limit 100	Analyzed 04/12/202
Mercury  Batch 221268 SampType:			Qual Units µg/L						J	04/12/202
Mercury  Batch 221268 SampType: SampID: LCS-221268	LCS	0.20	Units µg/L	< 0.20	0.0550		0	-100	J	•
Mercury  Batch 221268 SampType:						0	0	-100	100	04/12/202 Date
Mercury  Batch 221268 SampType: SampID: LCS-221268  Analyses	<b>LCS</b> Cert	0.20 RL	Units µg/L	< 0.20	0.0550 Spike	0 SPK Ref Val	0 %REC	-100 Low Limit	100 High Limit	04/12/202 Date Analyzed
Mercury  Batch 221268 SampType: SampID: LCS-221268  Analyses Mercury  Batch 221268 SampType: SampID: 24031341-071HMS	<b>LCS</b> Cert	0.20 RL 0.20	Units <b>µg/L</b> Qual	< 0.20	0.0550 Spike	0 SPK Ref Val	0 %REC 112.7	-100 Low Limit	100 High Limit	04/12/202  Date Analyzed  04/12/202
Mercury  Batch 221268 SampType: SampID: LCS-221268  Analyses Mercury  Batch 221268 SampType: SampID: 24031341-071HMS	Cert MS	0.20 RL 0.20	Units µg/L  Qual  Units µg/L	< 0.20  Result 5.63	0.0550 Spike 5.000	O SPK Ref Val O	0 %REC 112.7	-100 Low Limit 85	100 High Limit 115	Date Analyzed 04/12/202
Mercury  Batch 221268 SampType: SampID: LCS-221268  Analyses Mercury  Batch 221268 SampType: SampID: 24031341-071HMS  Analyses Mercury  Batch 221268 SampType:	Cert MS	0.20 RL 0.20	Units µg/L  Qual  Units µg/L	Result 5.63	Spike 5.000	SPK Ref Val 0 SPK Ref Val	%REC 112.7	Low Limit 85	High Limit 115  High Limit 125	Date Analyzed 04/12/202 Date Analyzed
Mercury  Batch 221268 SampType: SampID: LCS-221268  Analyses Mercury  Batch 221268 SampType: SampID: 24031341-071HMS  Analyses  Mercury	Cert  MS  Cert	0.20 RL 0.20	Units µg/L Qual Units µg/L Qual	Result 5.63	Spike 5.000	SPK Ref Val 0 SPK Ref Val	%REC 112.7 %REC 110.1	Low Limit 85  Low Limit 75	High Limit 115  High Limit 125 mit 15	Date Analyzed 04/12/202 Date Analyzed



http://www.teklabinc.com/

Client: Ramboll Work Order: 24031341

Client Project: NEW-24Q2 Report Date: 14-May-24

SW-846 7470A (TO	ΓAL)										
<b>Batch 221952</b> SampID: MBLK-22195	SampType:	MBLK		Units µg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury			0.20		< 0.20	0.0550	0	0	-100	100	04/25/202
	SampType:	LCS		Units µg/L							
SampID: LCS-221952											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury			0.20		4.96	5.000	0	99.3	85	115	04/25/2024
Batch 222067 SampID: MBLK-22206	SampType:	MBLK		Units µg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury			0.20		< 0.20	0.0550	0	0	-100	100	05/01/202
,	SampType:	LCS	0.20	Units µg/L	< 0.20	0.0550	0	0	-100	100	05/01/202
		LCS	0.20	Units µg/L	< 0.20	0.0550	0	0	-100	100	05/01/202 Date
Batch 222067		<b>LCS</b> Cert	0.20	Units µg/L Qual	< 0.20	0.0550 Spike	0 SPK Ref Val		-100 Low Limit		05/01/202  Date Analyzed



Carrier: Tracy Carroll

#### APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

#### **Receiving Check List**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24031341 Client Project: NEW-24Q2 Report Date: 14-May-24

Received By: PRS

Deluty Completed by: Reviewed by: On: On: 03-Apr-24 11-Apr-24 Paul Schultz Ellie Hopkins

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 complia 0.1°C - 6.0°C, or when samples are received on ice the sam	•	between			
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 $\square$		
NPDES/CWA TCN interferences checked/treated in the field?	Yes	No $\square$	NA 🗹		
Any No responses i	must be detailed belo	w 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**

http://www.teklabinc.com/

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

#### APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT HRINGS Y ASH POND

### 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 in	formation;			Section Invoice In		`						_					Ì	Page	: 1	of	5
ompany: Vistra Corp-Newton	Report To: Brian	Voelker			Attention:	Ter	y Har	nratty														
ddress: 6725 N 500th St	Copy To: Terry h	lanratty - Terry Hanra	atty@vistracorp.com		Company	Name:	Vistra	Corp									REG	ULAT	ORY A	GENCY		
Newton, IL 62448	Sam D	avies - samantha.dav	/ies@vistracorp.com		Address:	see	Secti	on A					Τ	NPD	E\$	GF	ROUNE	) WAT	ER	DRIN	KING WATE	ER
mail To: <u>Brian Voelker@VistraCorp.com</u>	Purchase Order No	:			Quote Reference:									ŲST	Ī	R	CRA		(	OTHER		
hone. (217) 753-8911 Fax:	Project Name:				Project Manager.									Site	Locatio	n		IL				
Requested Due Date/TAT: 10 day	Project Number: 2	285			Profile #										STATE			, r.c.				
											Ŕ	eques	ted A	nalys	is Filter	ed (`	Y/N)					
Section D Valid Matrix Required Clieft Information MATRIX	Codes (9)	COL	LECTED			Pres	ervati	ives	1 N /A													
DRAWSHOW WITER WASTE WAS	P Dite os s)	COL	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS Unpreserved	H <sub>2</sub> SO, HNO <sub>3</sub>	HCI NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Methanol	Other Analysis Test	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-SUP-000					Residual Chlorine (Y/N)	Pro	ject No./ L	.ab I.C
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2 A214	WT	G			10 2	3 1	3 1	1-1-1		$\vdash$	X			_	<u> </u>	4	_	<u> </u>		<del></del>	24031341-	********
3 A215	WT	G			10 2	3 1	3 1	$\perp \perp \perp$	_	$\vdash$	Х							<del>                                     </del>			24031341-	
4 APW02	wr	G		┸	4 2	2			_	L <sub>X</sub>			<u> </u>		<u> </u>	4		ļļ.		-	24031341-	
5 APW03	wr	g			4 2	2				X	<u> </u>	<b>├</b>	<u> </u>			_		<b> </b>			24031341-	
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8 APW05S	WT	G 212124	1352		2 1	1 1			_	X		-	<u> </u>				<u> </u>	<u> </u>	$\perp$	ļ	24031341-	-008
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#### CHAIN-OF-CUSTODY / Analytical Request Document

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Company	Vistra Corp-Newton	Report To:	Briar	n Voe	elker				Atten	tion:		Terry	y Har	ratt	у																
Address:	6725 N 500th St	Copy To:	Terry	Han	ratty - Terry.Ha	ratty@vistracc	rp.com		Com	oany N	Vame	e: \	/istra	Co	ιþ										RE	EGUL	_ATOF	RY AC	GENCY		
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ITEM#	SAMPLE ID  (A-Z, 0-9 / -)  Sample IDs MUST BE UNIQUE  CROSS TESSUE  CROS	OW WIT WWW P SL CL WP AR OT TS	MATRIX CODE (see vand codes to with)	SAMPLE TYPE (G=GRAB C=C				SAMPLE TEMPAT COLLECTION	# OF CONTAINERS	Inpreserved	1 <sub>2</sub> SO <sub>4</sub>	NO3.	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Analysis Test	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000	***************************************					Residual Chlorine (Y/N)	Ber	signt No. /	3 ah l N
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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
NEWTON POWER PLANT, 3R MARY ASH POND
NEW-257-501

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Compan		Report To: E	rian	Voe	ker			Attent			erry l	Hanr	atty												1				
Address	6725 N 500th St	Сору Та: Т	erry	Hanra	atty - Terry.Hanratty@vistrac	orp.com		Comp	any N	ame:	Vi	stra (	Corp				·····						1	REG	JLAT	ORY A	GENCY	*********	
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The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be completed accurately.

	d Client Information	Section B Required Po			r-Custody is	a LEGAL I		Secti Invoice	on C e Inform	nation	ר;			somple	neo a	ccurat	ery.		ı						Pa	ge:	2	ot	5
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Address	6725 N 500th St	Copy To: T	erry Ha	nratty - Terry Hanratt	y@vistraco	rp.com		Comp	any Na	me:	Vist	a C	orp										RE	GULA	TORY	AGE	NCY		
	Newton, IL 62448	S	am Dav	ies - samantha.davie	s@vistracc	orp.com	Ŧ	Addre:	55:	se	e Sec	tion	A	-					1	NPDE	S	G	ROUN	ID WA	TER	•	DRINKI	NG WATE	R
Email To	Brian Voelker@VistraCorp.com	Purchase Ord	ier No.:			·····		Quote Referen	vce											UST		F	RCRA			ОТН	(ER		
Phone	(217) 753-8911 Fax:	Project Name	:				$\neg$	Project Manage												Site L	ocati	on				$\top$			
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ITEM#	WATER WATER WASTER PRODUCT SQU/SOUD OL WIPE AR (A-Z, 0-9 / -) OTHER	OL VVP	MALKIX CODE. (see valid codes to left) SAMPLE TYPE (G=GRAB C=COMP)	DATE	Tir	Με	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved H-SO,	HNO3	HCI NoOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	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)	Proje	ct No./ La	ab I.D.
1	APW14		wr G					2	1	1		┿	1	1	X			X		7	$\dashv$	十		1	† †	十	24	031341-0	317
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<del></del> 8> 3	APW16		NT G					2	1	1	17	+	$\Box$	_	X			Х			1	$\top$				$\top$	24	1031341-0	)19
4	APW17		NT G			<del></del> -		3	1	12	11	十	$\Box$	1	X			Х			$\neg$	$\dashv$		_	† †	$\top$	24	1031341-0	J20
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6	G104		WL G	314 24	15.8	4	Н	10	2 3	3 1	3 -	1	1-1	1			Х			$\dashv$					11		24	1031341-0	322
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12	G130		NT G				П	10	2 3	3 1	3 -	<del></del> -	11	7	-		Х			$\dashv$	_	7	_		$\dagger \dagger$	$\top$	24	1031341-0	J28
13	G133		NT G	1			П	10	2 3	3 1	3	士	П	1		1	Х			$\neg \uparrow$				$\top$	$\Box$	1	24	1031341-0	)29
14	G136		NT G				П	10	2 3	3 1	3		†"†	1		1	Х			$\neg$	$\top$	$\top$	1			T	24	1031341-0	330
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## ANNUAL GROUNDWATER MONITORING AND CORTECTION REPORT CHAIN-OF-CUSTODY / Analytical Request Document NEWTON POWER PLANT PRIMARY ASH POND

NFW-257-501

Section	; n A	Section 8	The Chain-of-Custody is a LEGAL:	;	Section	n C		neias r	nust be	compi	etec a	accurate	ny.							_	Page:		of	5
	d Client Information:	Require d Project Information:	<u>, , , , , , , , , , , , , , , , , , , </u>		nvoice Attentio	Informa		y Han						_						<u></u>				
Compan	·	Report To: Brian Voelker		L		ny Nam		·						├								OFWOV.		
Address	*·		erry.Hanralty@vistracorp.com						Corp													GENCY		
	Newton, IL 62448	Sam Davies - san	antha davies@vistracorp.com	1	Addres	s: 	see :	Section	or: A 				·	_	NPC				א סאר	IATE			ING WATE	R
Email To	Brian Voelker@VistraCorp.com	Purchase Order No.:			Quote Referen	ce.									US	T		RCRA	٩		0	THER		
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	(A-Z, 0-9/,-) OTHER	· • • • • • • • • • • • • • • • • • • •		AP A	N. A.	8		1 1		-	, 6		9	뭐							윤	l		!
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# 5	out.	MATRIX COD		AP'.E	# OF CONTAINERS	Unpreserved H <sub>2</sub> SO <sub>4</sub>	ပ် -	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Methanol	Other Apalyeis	A MITAL DE 7 ED 4	NEW-237-501 NEW-811-502	VEW-811-503	NEW-845-501 NEW-NPDES-501	NEW-SUP-000						Residual	•		
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5	G221	WT G 4	3 24 10 38	$\prod$	10	2 3	1	3 1			L	X			$\perp$	1							4031341-	337
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7	G223	WT G		$\Gamma$	0						L	X			<u> </u>	1					丄		24031341-	039
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12	G232	WT G			10	2 3	1	3 1	LL		L	X		Ĺ								<u> </u>	24031341-	044
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L			SAMPLER NAME AND SIGNA	ATUR	=													·		丁	్బు	8 =	ole ~	v 2 2
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The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately.

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Address	6725 N 500th St	Copy To: T	erry h	anratty - Terry.Hanratty	@vistrac	corp.com		Comp	any Na	me:	Vi	stra	Corp	5										REG	ULAT	ORY A	AGENCY	ſ	
	Newton, IL 62448	S	am D	vies - samantha.davie	s@vistra	corp.com		Addre	ss:	Se	ee Se	ectio	r: A							П	NPDE	S	GF	OUN	D WAT	rer.	DRI	NKING WAT	ER
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ITEM#	SAMPLE ID  (A-Z, 0-9 f, -)  Sample IDs MUST 8E UNIQUE  ORNING WATER WASTE WAITER PRODUCT SOUSOUD OIL WIPE AR OTHER TISSLE	DATE		TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO	HCI	Naco-	Methanol	Other	# Analysis lest	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000							Residual Chlorine (Y/N)	Proj	ect No./ L	ab I.D.			
1	XPW04	Ī	wr	G				Γ	2	1		1	П	T			T				X							1		$\Box$	7	24031341-	065
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5	APW02 Duplicate		WT	G				П	4	2		2		Т		П	Γ	Х			Х	Х									2	24031341-	069
6	G104 Duplicate		WT	G					10	2	3	1	3	1			ſ		T	х										П	7	24031341-	070
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# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section C

Section A Required Client Information:	Section B Required Project	Unformation:				Invoice	on C Inform	nation:												Page:	: 1	of	5	
Company: Vistra Corp-Newton	Report To: Brian				-	Attenti			y Hanr	atty					7				1				······································	2
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Newton, IL 62448	Sam	Davies - saman	tha.davies@vistra	corp.com		Addres	ss;	see	Sectio	n A						NPDES	;	GROU	TAW DN	rer	DRINK	ING WATE	R	1
Email To: Brian Voelker@VistraCorp.com	Purchase Order N	No :				Quote Referen									1	UST		RCRA		¢	OTHER			
Phone: (217) 753-8911 Fax:	Project Name:		*****			Project Manage									$\vdash$	Site Lo	cation			·*************************************	T		······································	7
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iten#	WATER WASTE WATER PRODUCT SOULSOULD OIL WIPE AN (A-Z, 0-9 /-) OTHER	EW WTW P SI OU WPP AR OT TS	MATRIX CODE (see vated codes to toft)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	T	ime:	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO,	HC!	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	Methanol	lysis Test	0.3	NEW-237-301	NEW-811-503	NEVAL845-501	VEW-NPDES-501	VEW-SUP-000						Residual Chlorine (Y/N)	Pro	ject No./	l ah i D
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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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# APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PART PRINARY ASI POND

#### CHAIN-OF-CUSTODY / Analytical Request Document

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

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Compan	y: Vistra Corp- <b>Newton</b>	Report To:	Bria	n Vo	elker				7	Attent	on:	Ter	ry Ha	ınrætt	у																
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#### APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT PROPERTY ASH POND

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 C Section A Section B 2 5 Page: Required Project Information: Required Client Information: Invoice Information: Attention: Terry Hanratty Report To: Brian Voelker Company: Vistra Corp-Newton Company Name Vistra Corp Address: 6725 N 500th St Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A NPDES DRINKING WATER GROUND WATER Ounte Purchase Order No.: UST RCRA OTHER Email To: Brian Voelker@VistraCorp.com Reference Project Name: Phone: (217) 753-8911 Site Location Manager Profile # Project Number: 2285 STATE: Requested Due Date/TAT: 10 day Requested Analysis Filtered (Y/N) Section D Valid Matrix Codes loff) COLLECTED Preservatives MATRIX CODE Required Client Information codes to DRINKING WATER DW WT Ü WASTE WATER Residual Chlorine (Y/N) (G=GRAB PRODUCT SONUSOUD (see VEW-NPDES-501 # OF CONTAINERS OL WP AR OT TS SAMPLE ID NEW-SUP-000 NEW-811-502 NEW-811-503 NEW-845-501 NEW-257~501 MATRIX CODE Unpreserved H<sub>2</sub>SO<sub>4</sub> HNO<sub>3</sub> HCI , (A-Z, 0-91,-) Other Analysis OTHER SAMPLE TYPE TISSUE Sample IDs MUST BE UNIQUE ITEM Project No./ Lab I.D. DATE TIME Х 24031341-017 APW14 2 Х WΤ G X 2 Х 24031341-018 APW15 wr G 2 2 Х Х 24031341-019 APW16 WT G 3 Χ Х 24031341-020 3 APW17 2 WT G 4 Х X 24031341-021 2 APW18 WT G 5 WT G 44.14 306 Х 24031341-022 G104 10 2 3 1 3 6 Х 2 3 1 3 24031341-023 10 7 G105 WT G Х 24031341-024 2 3 1 3 G106 wt G 10 R Х G116 10 2 3 1 3 Х 24031341-025 WT G 9 Х 2 3 1 3 24031341-026 G125 WT G 10 10 2 3 1 3 Χ 24031341-027 G128 WT G 11 Х 24031341-028 2 3 1 3 G130 10 12 WY G Х 24031341-029 10 G133 WT G 2 3 1 3 13 Х 2 3 1 3 24031341-030 G136 WT G 10 14 Х 2 3 1 3 24031341-031 10 15 G139 WT G Х 10 2 3 24031341-032 G141 wrl G 16 ACCEPTED BY / AFFILIATION DATE SAMPLE CONDITIONS ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME TIME 4/8 4-8 ). (do NEW-24Q2 Rev 0 1725 17.15 > 7-SAMPLER NAME AND SIGNATURE Samples ntact (Y/N) Received or Custody aled Coo (Y/N) ₽. PRINT Name of SAMPLER: emp i DATE Signed 4 SIGNATURE of SAMPLER: lu (MM/DD/YY):

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## CHAIN-OF-CUSTODY / Analytical Request Document

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Compa	y: Vistra Corp-Newton	Report To: B	rian	√oelker					Atter	tion:		Teri	ry Ha	nrat	ty												_					
Address	6725 N 500th St	Copy To: T	erry h	anratty -	Terry.Hanratt	y@vistrace	orp.com		Com	pany	Name	e:	Vistr	a Co	orp										R	REG	ULAT	ORY	AGEN	1CY		
	Newton, IL 62448	S	am D	avies - sa	amantha.davie	s@vistrac	orp.com		Addr	ess:		see	Sect	ion .	A							NPDE	S		GRO	UND	WAT	ER	ε	)RINKI	NG WATE	R
Email T	Brian Voelker@VistraCorp.com	Purchase Ord	er No		····		******		Quote													UST			RCR	Α			OTHE	≅R		D 1 Second
Phone:	(217) 753-8911 Fax:	Project Name							Projec Mana													Site l	ocat	tion					Т			
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# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is at EGAL DOCUMENT. All relevant fields must be completed accurately.

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Company	Vistra Corp-Newton	Report To:	Briar	ı Vo	eiker				Atten	tion:	Terr	y Har	ır:atty	/															
Address:	6725 N 500th St	Сору То:	Terry	Han	ratty - Terry Hanratt	y@vistrac	orp.com		Com	pany Na	ıme: \	Vistra	Cor	p					Т				F	REGUL	ATOF	RY AC	GENCY		
	Newton, IL 62448		Sam	Davi	es - samantha.davie	s@vistrac	orp.com		Addre	ess:	see	Section	on A						T	N	PDES	*******	GRO	UNDV	VATER	<b>t</b>	DRINE	GNG WATE	R
Email To	Brian Voelker@VistraCorp.com	Purchase C	Order N	lo.:					Quote										7	L	ST		RCF	EA.		0	THER		
Phone	(217) 753-8911 Fax:	Project Nar	ne:						Projec									·······	T	S	ite Loc	ation							
Requé	ested Due Date/TAT: 10 day	Project Nur	nber	228	5				Profile								***************************************		$\neg$		S7	ATE:		,	L				
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OK HS 95 4/10/24

PNOZ added to AZIS, APROLDUP, APROLDUP, RZI9, GZI75, G141
HZSOY added to AZIS, AZIY, AZI3, AZIBDUP, RZI9, GZI75, G141
MARK added to AZIS, AZIY, AZI3

Confidential

## CHAIN-OF-CUSTODY / Analytical Request Document

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	ed Client information:	Section Required		ct info	mation:				Invoid	on C	rma								,									Page	: 2		of	5
Compa	vistra Corp-Newton	Report To	Bria	an Vo	elker				Atten	ton:		Terry	Han	reitty																		
Address	6725 N 500th St	Сору То:	Ten	y Har	ratty - Terry, Hanratt	@vistrac	orp.com		Com	any N	iame	e. V	istra	Cor	0										RE	GUL	.ATOF	RY A	GENC	Υ		
	Newton, IL 62448		San	ı Dav	es - samantha.davie	s@vistrac	orp.com		Addre	ss;	5	see S	ectic	n A							ř	IPDE:	s	G	ROU	ND W	ATER	Į.	DR	INKING	WATER	1
Email T	o: Brian Voelker@VistraCorp.com	Purchase	Order	No.:			*		Quota	nce.												UST		F	RCRA			(	OTHER			
Phone.	(217) 753-8911 Fax:	Project Na	me:						Projec											T		Site L	ocati	on								
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ITEM#	WATER WASTE WATER PRODUCT SOLEOLID OL SAMPLE ID WIPE AIR	WT WW P CC CC WP AR OT TS	MATRIX CODE (see vaid cod	SAMPLE TYPE (G=GRAB C=C	DATE	7	iME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H₂SO₂	HNO3	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Methodol	Other	↓ Analysis Test	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000						Residual Chtorine (Y/N)	P	roject	No./ La	b #.D.
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<b>8</b> 3	APW16		WT	G					2	1	7	1	П	Т			X			Х								T		2403	1341-0	19
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5	APW18		WT	G					2	1	-	1		T			Х			Х										2403	1341-0	21
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# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately.

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Compa	ny: Vistra Corp-Newton	Report To: E	rian \	/oelker	·			Atter	ntion:		err	y Hai	nratt	у											ham	********			····
Addres	s 6725 N 500th St	Copy To: T	erry H	anratty - Ter	ry.Hanratty@vis	racorp.com		Com	oany l	Name	e: \	Vistra	a Co	ιb	*******				十				RI	EGUL	ATOF	RY A	GENCY		······································
	Newton, IL 62448	s	am Da	ivies - sama	ntha.davies@vis	tracorp.com		Addr	ess:		see :	Secti	ori A	······································					<u> </u>	NP	DES		GROL	JND W	VATER		DRIN	KING WATE	R
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ITEM#	WATER WASTE WATER PRODUCT SOLUSOLD OL WIPE AIR (A-Z, 0-9 /) OTHER	OW WT P SL CL NO WP AR OT TS	MATINIA COUR (see valid codes to lett)		ΤΈ	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H <sub>2</sub> SO,	HNO3	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol Other	Analysis Test	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-SUP-000						Residual Chlorine (Y/N)	Pro	ect No./ L	ab f.D.
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## CHAIN-OF-CUSTODY / Analytical Request Document

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NEWTON POW2R41013 PRI3ATY ASH POND NEWTON POW2R41013 PRI3ATY ASH POND NEW 257-501

# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately.

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Compa	y: Vistra Corp-Newton	Report To:	Brian	Voelker					Atter	tion:	7	Terry	Han	ratty	,												<u> </u>				
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### 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

Director of Customer Service

(618)344-1004 ex 33

ehurley@teklabinc.com

Elizabeth a Hurley



## **Report Contents**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24031342 Client Project: NEW-24Q2 Report Date: 12-Jun-24

## This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	28
Receiving Check List	29
Chain of Custody	Appended



#### APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

#### **Definitions**

http://www.teklabinc.com/

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 )



#### APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

## **Definitions**

http://www.teklabinc.com/

Work Order: 24031342 Client: Ramboll Client Project: NEW-24Q2 Report Date: 12-Jun-24

## Qualifiers

- # Unknown hydrocarbon
- RL shown is a Client Requested Quantitation Limit
- Holding times exceeded H -
- Analyte detected below quantitation limits
- Not Detected at the Reporting Limit
- Spike Recovery outside recovery limits
- X Value exceeds Maximum Contaminant Level

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)



## **Case Narrative**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24031342 Client Project: NEW-24Q2 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		Springfield		Kansas City
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com
	Collinsville Air		Chicago		
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.		
	Collinsville, IL 62234-7425		Downers Grove, IL 60515		
Phone	(618) 344-1004	Phone	(630) 324-6855		
Fax	(618) 344-1005	Fax			
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com		

#### APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

## **Accreditations**

## http://www.teklabinc.com/

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	

NEW-257-501 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 SUBCO	ONTRACTING AN	ALYSIS						
Subcontracted Analysis	*	0	0	S	ee Attached		1	05/06/2024 12:11 R348614

NEW-257-501 http://www.teklabinc.com/

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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	Sec	Attached		1	05/06/2024 12:11 R348614

NEW-257-501 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 SUBCO	ONTRACTING AN	ALYSIS						
Subcontracted Analysis	*	0	0	S	ee Attached		1	05/06/2024 12:11 R348614



NEW-257-501 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	<b>Certification</b>	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBCO	ONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	S	ee Attached		1	05/06/2024 12:12 R348614

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24031342

Client Project: NEW-24Q2 Report Date: 12-Jun-24

Matrix: GROUNDWATER Collection Date: 04/02/2024 13:52

Analyses	Certification N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
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Subcontracted Analysis	*	0	0	See	Attached		1	05/06/2024 12:12 R348614

NEW-257-501 http://www.teklabinc.com/

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 SUBC	CONTRACTING A	NALYSIS						
Subcontracted Analysis	*	0	0	See	e Attached		1	05/06/2024 12:12 R348614

NEW-257-501 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 M	IDL	RL	Qual	Result	Units	DF	Date Analyzed Batch	
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0	Se	e Attached		1	05/06/2024 12:14 R348614	

NEW-257-501 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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
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Subcontracted Analysis	*	0	0	See	Attached		1	05/06/2024 12:14 R348614

NEW-257-501 http://www.teklabinc.com/

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
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NEW-257-501 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 SUBC	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Sec	e Attached		1	05/06/2024 12:14 R348614

NEW-257-501 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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
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Subcontracted Analysis	*	0	0	See	Attached		1	05/06/2024 12:21 R348614

NEW-257-501 http://www.teklabinc.com/

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 I	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
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Subcontracted Analysis	*	0	0	Se	e Attached		1	05/06/2024 12:21 R348614

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24031342

Client Project: NEW-24Q2 Report Date: 12-Jun-24

Matrix: GROUNDWATER Collection Date: 04/08/2024 13:29

Analyses	Certification N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
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Subcontracted Analysis	*	0	0	See	Attached		1	05/06/2024 12:21 R348614

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24031342

Client Project: NEW-24Q2 Report Date: 12-Jun-24

Matrix: GROUNDWATER Collection Date: 04/04/2024 14:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING AN	IALYSIS						
Subcontracted Analysis	*	0	0	Se	ee Attached		1	05/06/2024 12:21 R348614

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24031342

Client Project: NEW-24Q2 Report Date: 12-Jun-24

Matrix: GROUNDWATER Collection Date: 04/04/2024 10:48

Analyses	Certification I	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	05/06/2024 12:21 R348614

NEW-257-501 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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS							
Subcontracted Analysis	*	0	0	See	Attached		1	05/06/2024 12:21	R348614

NEW-257-501 http://www.teklabinc.com/

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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS							
Subcontracted Analysis	*	0	0	See	Attached		1	05/06/2024 12:21	R348614

NEW-257-501 http://www.teklabinc.com/

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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS							
Subcontracted Analysis	*	0	0	See	Attached		1	05/06/2024 12:21	R348614

NEW-257-501 http://www.teklabinc.com/

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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	05/06/2024 12:22 R348614



Matrix: GROUNDWATER

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND

aboratory Results NEW-257-501

http://www.teklabinc.com/

Collection Date: 04/09/2024 11:56

Client: Ramboll Work Order: 24031342

Client Project: NEW-24Q2 Report Date: 12-Jun-24

Lab ID: 24031342-020 Client Sample ID: APW02 Duplicate

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

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND NIEW-257 504

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24031342

Client Project: NEW-24Q2 Report Date: 12-Jun-24

Lab ID: 24031342-021Client Sample ID: Equipment Blank 1Matrix: GROUNDWATERCollection Date: 04/10/2024 15:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUB	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	05/03/2024 12:11 R348614



# **Sample Summary**

### http://www.teklabinc.com/

Client: Ramboll Work Order: 24031342 Client Project: NEW-24Q2 Report Date: 12-Jun-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	<b>Collection Date</b>
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





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

**Receiving Check List** 

http://www.teklabinc.com/

Client: Ramboll Work Order: 24031342 Client Project: NEW-24Q2 Report Date: 12-Jun-24 Received By: PRS Carrier: Tracy Carroll Completed by: Reviewed by: On: On: 03-Apr-24 11-Apr-24 Paul Schultz Ellie Hopkins 31 Pages to follow: Chain of custody 24 Extra pages included Yes **V** No \_\_ Not Present Temp °C Shipping container/cooler in good condition? 14.1 Ice 🗹 Blue Ice Type of thermal preservation? None Dry Ice Chain of custody present? **~** No L Yes **~** Chain of custody signed when relinquished and received? Yes No **~** Chain of custody agrees with sample labels? Yes No **V** Samples in proper container/bottle? Yes No 🗀 **V** Sample containers intact? Yes No **V** No Sufficient sample volume for indicated test? Yes **~** All samples received within holding time? Yes No 🗀 NA 🗸 Reported field parameters measured: Field Lab  $\square$ Yes 🗹 No  $\square$ Container/Temp Blank temperature in compliance? 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 ✓ No 🗌 No TOX containers Water - TOX containers have zero headspace? Yes 🔲 Yes 🗌 No 🗸 Water - pH acceptable upon receipt? NA 🗹 NPDES/CWA TCN interferences checked/treated in the field? Yes No 🗀 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

# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PART

## CHAIN-OF-CUSTODY / Analytical Request Document

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

Section	A Client Information:	Section B Required F		Infor	mation:					tion ( ce info	C ormatic	nn.														Page	: 1	of	5
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<b>-</b>	Newton, IL 62448		Sam	Davi	es - samantha	.davies@	vistracorp.co	om	Addr	ess:	S	ee Se	ction	1 A						╁╴	NPDE	S	GR	OUNE	D WAT	rer	DRI	VKING WATE	R
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Phone:	(217) 753-8911   Fax:	Project Nan	ne:						Refer	ct										╫	Site	ocatio	1				1		
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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately Section A Section B Section C 5 Page: Required Client Information: Required Project Information: Invoice information: Report To: Brian Voelker Attention Terry Hanratty Vistra Corp-Newton Company Address: 6725 N 500th St Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY see Section A DRINKING WATER Newton, IL 62448 GROUND WATER Sam Davies - samantha.davies@vistracorp.com NPDES Purchase Order No.: OTHER Email To: Brian Voelker@VistraCorp.com UST RCRA Reference Project Name: Project Phone: (217) 753-8911 Site Location Мападел IL. Profile #: Project Number: 2285 STATE: Requested Due Date/TAT: 10 day Requested Analysis Filtered (Y/N) Valid Matrix Codes Section D (see valid codes to left) C=COMP) Z COLLECTED Required Client Information MATRIX CODE Preservatives ORNKING WATER OW SAMPLE TEMP AT COLLECTION WATER ww WASTE WATER Residual Chlorine (Y/N) (G=GRAB PRODUCT SL CL WP AR OT SOLUSOUD NEW-NPDES-501 # OF CONTAINERS Analysis Test SAMPLE ID NEW-SUP-000 **VEW-811-503** VEW-845-501 VEW-257-501 VEW-811-502 AIR MATRIX CODE Unpreserved
H<sub>2</sub>SO<sub>4</sub>
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NaOH
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Wethanol (A-Z, 0-9 / ,-) OTHER SAMPLE TYPE Sample IDs MUST BE UNIQUE TEM Project No./ Lab I.D. DATE Х N/A L202 wr G 1 Х N/A L203 WT G 2 Х N/A L204 WT G 3 Х N/A L205 wil G 4 Х N/A L301 wT l G 5 Х N/A **LREP** WT G 6 Х R217D WT G N/A 7 Х N/A R219 wrla 8 Х N/A WT G S101 9 Χ N/A WT S102 10 G Х N/A SG02 WT G 11 Х N/A T101 wr G 412/24 1040 12 Х N/A 4 2124 T102 wr G 141 13 N/A WT XPW01 G 14 Х N/A XPW02 WT 15 G Х N/A wrl XPW03 G 16 SAMPLE CONDITIONS ACCEPTED BY / AFFILIATION DATE RELINQUISHED BY / AFFILIATION ADDITIONAL COMMENTS DATE 4/2/24 462624 1859 NEW-24Q2 Rev 0 Ra226/228 only. SAMPLER NAME AND SIGNATURE Custody aled Coole (Y/N) Received or Ica (Y/N) PRINT Name of SAMPLER: DATE Signed 4/ 2 SIGNATURE of SAMPLERS

# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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# R MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT TO MARK ASH COND 1.004

## CHAIN-OF-CUSTODY / Analytical Request Document

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# NEWTON POWER PLATT PROPRYASI POND I Request Document

# **CHAIN-OF-CUSTODY / Analytical Request Document**

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Compar	y: Vistra Corp-Newton	Report To: [	Brian	/oelker					Attenti				Hanra	atty												1	**********				
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# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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Section Require		Required Proje	ct Infon	mation:					mation	:														L_	Page:	: 4	of	5
Company	Vistra Corp-Newton	Report To: Bri	an Vo	elker			Attent	tion;	Te	rry H	inratt	у																· · · · · · · · · · · · · · · · · · ·
Address:	6725 N 500th St	Copy To: Ter	ry Han	ratty - Terry.Hanratty	@vistracorp.com		Com	oany N	ame:	Vist	a Co	rр										RE	GUI	_ATO	RY A	GENCY		
	Newton, IL 62448	Sai	n Davi	es - samantha.davies	@vistracorp.com		Addre	985;	see	Sec	tion A	1						- ;	1PDES	;	G	ROU	ND V	VATE	R	DRIN	IKING WATE	ER
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Phone:	(217) 753-8911 Fax:	Project Name:		<u></u>			Projec Manag	#											Site Lo	cati	on							
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Company		Report To:						<del></del>		Attent				lanr	atty				_		٦						L.						
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	Newton, IL 62448			-	ies - sama					Addre	SS:	Sé	ee Se	ection	Α						╫	NPE	\E@				WAT				ING WAT	TED	COCHE COLOR
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		Project Nar								Refere Project											-				ACK.	^			<del>- 1</del> -	cr.			
Phone:	(217) 753-8911 Fax:									Manag Profile	er;										4	Site	Loca				IL						
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Section Require	A d Client Information:	Section B Required F			an-or-costody is		S	ectio			<b>.</b> ,			,											Page:	1	of	5
Company	Vistra Corp-Newton	Report To:	Brian \	oelker	******		At	lentio	n;	Terry	Hanı	ratty			****			٦						_				***************************************
Address:	6725 N 500th St	Copy To:	Terry H	anratty - Terry.Ha	nratty@vistracor	p.com	- C	ompar	ny Name	e: V	istra	Corp	<b>,</b>					T				R	EGU	LATO	RY A	GENCY		
F	Newton, IL 62448		Sam Da	vies - samentha.	lavies@vistraco	rp.com	Ac	ddress	s: ;	see S	ectio	n A						Т	NP(	DES		GRO	י מאט	WATE	R	DRINK	ING WATE	₹
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		L		******	*****	.,,,,								_		Rec	uest	ed A	nalys	is Fill	ered	(Y/N	ł)		Т	<u>.                                    </u>		
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Section Require		Section B Required Pro	ject Info		Criam-di-Odsiocy			Section	on C	ation:						•								Γ	Page	: 2	of	5
Compan		Report To: B	ian Vo	elker			1	Attentio	эп:	Terr	y Hai	nratty						]										
Address	6725 N 500th St	Copy To: Te	ту На	nratty - Terry.	Hanratty@vistrac	orp.com	1	Compa	iny Nan	ne: \	Vistra	Corp	)									RE	GUI	LATO	RYA	GENC)	1	
	Newton, IL 62448	S	m Dav	ies - samanth	na.davies@vistra	corp.com	7	Addres	s:	see	Secti	on A							NPDE	S	G	ROU	ND V	WATE	.R	DRI	NKING WAT	ER
EmailTo	Brian Voelker@VistraCorp.com	Purchase Ord	er No.:				, C	Quote Referen	ce:										UST		R	CRA			(	OTHER		
Phone:	(217) 753-8911 Fax:	Project Name:					-	roject Vanage											Site L	ocati	วก		,	IL.				
Requ	ested Due Date/TAT: 10 day	Project Numb	r. 228	5			F	rofile a	Ě											STAT						<u>L</u>		
1																Req	ueste	d Ana	lysis	Filte	red (	(Y/N)	,		_			
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ITEM#	SAMPLE ID  (A-Z, 0-9 / -)  Sample IDs MUST BE UNIQUE	DATI		IIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved		NaOH	D <sub>3</sub>		st	NEW-257-501	NEW-811-502	NEW-845-501	NEW-NPDES-501	NEW-SUP-000		***************************************	***************************************			Residual Chlorine (Y/N)	Pr	oject No./	Lab I.D.		
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2	APW15				П	2		2	1		$\Box$		Х		Х								$oxed{T}$		24031342	-015		
3	APW16				П	2		2					Х		Х										24031342	-016		
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6	G104	48.2	7 13	06			$\neg \vdash$	77	T	П	П	Ī		_   >									$oldsymbol{\perp}$	<u> </u>	N/A			
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8	G106		VT G				П			П		П		Γ		7											N/A	
9	G116		VT G				П				Τ	П	П	ſ		7	(	X									N/A	
10	G125	1	VT G				П			П	Т	П		ſ		7	(								Т		N/A	
11	G128	1	VT G	1			П			TT		П				7											N/A	
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Address:	· · · · · · · · · · · · · · · · · · ·												ra C	orp										RE	GUL	ATOF	Y AG	SENCY		
	Newton, IL 62448	@vistracor	p.com	_	Addres	s:	see	e Sec	tion	A						1	IPDE	S	G	ROU	ND W	ATER		DRINKI	NG WATER					
Email To:	Brian Voelker@VistraCorp.com	der No	.i					Quote Referer												UST		R	CRA			0	THER			
Phone:	(217) 753-8911 Fax:	Project Name	e:						Project												Site L	ocatio	n							
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Company		Report To: B						ntion:		Terry	Hanra	atty											<b>!</b> —				
Address:	<u> </u>	Copy To: To	erry Ha	nratty - Terry.Han	ratty@vistraco	rp.com	Con	npany	Name	: Vi	stra (	Corp									R	EGUL	ATOR	Y AG	ENCY		
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Address:			-	ratty - Terry.Hanr					any Na										<u> </u>								AG	ENCY		
	Newton, IL 62448			ies - samantha.da	ries@vistrac	orp.com		Addres	5S:	see	Sec	ction ———	A							NPDE	S		GRO	UND	WAT	ER			NG WATER	२
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Compan	y: Vistra Corp-Newton	Report To: Brian Voelker		Attention:	Terr	y Hanratty									***************************************	
Address	6725 N 500th St	Copy To: Terry Hanratty - Ter	ry.Hanratty@vistracorp.com	Сотрапу	Name:	Vistra Corp				1			R	EGULA	TORY A	AGENCY
	Newton, IL 62448	Sam Davies - sama	intha.davies@vistracorp.com	Address:	see	Section A				$\top$	NPDES		GRO	JND WA	TER	DRINKING WATER
Email To	Brian Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference.						7	₿ST		RCR	A		OTHER
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ITEM #	SAMPLE ID  (A-Z, 0-9/-)  SPRODUCT SOUSOUD OIL WIPE AIR GHER	お名表名を MAPLETYPE (G=GRAB	ATE TIME	sample temp at collection # Of CONTAINERS Unpreserved	H <sub>2</sub> SO <sub>4</sub> HNO <sub>3</sub>	NaOH Na2S <sub>2</sub> O <sub>3</sub> Methanol Other	Analysis Test	NEW-257-501 NEW-811-502	NEW-811-503	NEW-845-501 NEW-NPDES-501	NEW-SUP-000		A CONTRACTOR OF THE PROPERTY O		Residual Chlorine (Y/N)	Project No./ Lab 1.D.
1	A213	WT G U-O	14 1128				П	Х								N/A
2	A214	WT G 4-9-	24 044				] [	Х								N/A
3	A215	wt s 4-9	-24 0952				] [	Х								N/A
4	APW02	wτ G 4/9):		2	2		] [	Х	,	x x						24031342-001
5	APW03	WT G 4/7)		2	2		1 1	X	)	x   x						24031342-002
<u> </u>	APW04	WT G 4/9/	24 954	2	2		4 F	<u> </u>		x x						24031342-003
7	APW05	WT G		2	2		J L	X		X	Х					24031342-004
8	APW05S	WT G	1	2	2	4444	-; ⊩	X	<del></del>	<u> </u>					<del>                                     </del>	24031342-005
9	APW06	wr G 4-9-1		2	2	++-+	-l I-	X	'	<u> </u>		<u> </u>			<u> </u>	24031342-006
10	APW07	wr G 4-9-	24 1220	2	2			<u> </u>			×					24031342-007
11	APW08	WT G	<del></del>	2	2	1111	-1 1-	X	-	X	Х		-			24031342-008
12	APW09	wr 6 4-9:	1312	2	2	++++	4 ⊢	X		X	Х	4	-	-	- -	24031342-009
13	APW10	WT G		2	2	+	1 ⊢	X		<u> </u>		<b>-</b>	<del> </del>		├-}	24031342-010
14	APW11	WT G		2	2	++++	4 ⊢	X	<del>                                     </del>	X			-			24031342-011
15	APW12	WT G		2	2	<del>                                     </del>		X	<del> </del>	X			$\vdash$		$\vdash \vdash$	24031342-012
16	APW13 ADDITIONAL COMMENTS	WT G RELINQUISHED BY /	AFFILIATION DATE	2 TIME	2	ACCER		/ AFFILI	A TION	X	ĐAI		<u></u>	IME		24031342-013
	NEW-24Q2 Rev 0		(MD) 4-9	6:18	<del> </del>	aul D		AFFILD Ma	4 1 IOIN		4/9		18		0.2	SAMPLE CONDITIONS
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L	110000000000000000000000000000000000000		SAMPLER NAME AND SIGNATI	URE					· · · · · ·				L			# # # C
			PRINT Name of SAMPLE	ir: ) (	USTA	n Co/-	>						<del></del>		o in C	wed ((Y/N)) (Y/N) (Y/N)
			SIGNATURE of SAMPLE	R: //	Uto	u		DATE (MM/D	Signed D/YY):	4-	7-24	/			Тетріп	Received on Ice (Y/N) Custody Sealad Cooler (Y/N) Samples

Section Require	a A d Client Information:	ostody is a coom		Sect	ion C ce infor								,							Innoverse	Page	e: 2	2 of	5				
Compan	✓ Vistra Corp-Newton	Report To: E	Brian ∖	oelker/				Attent	tion:	Te	rry H	anrat	ty											-				
Address:	6725 N 500th St	Сору То: Т	erry H	anratty - Terr	y.Hanratty@	vistracorp.com		Com	pany Na	ame:	Vis	tra Co	orp			********					************		REG	ULAT	ORY /	AGEN	Y	
	Newton, IL 62448		Addre	ess:	see	e Se	ction .	Α						!	VPDES	3	GR	оимі	D WAT	rer	ום	RINKING WATE	R					
Email To	Brian Voelker@VistraCorp.com	Purchase On	der No.				~~~~	Quote Refere	ence									$\neg$		UST		RÇ	RA			OTHER	t	
Phone:	(217) 753-8911 Fax:	Project Name	<b>)</b> :					Projec Manag	t											Site Lo	ocatio	n		21		T		
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	Section D Valid Matrix C Required Clerk Information MATRIX	odes CODE	(see valid codes to left)	`	COLLEC	`TE'C				D		atives	_	×Ν	1													
ITEM#	Required Client information  MATRIX  DRINKING WATER WASTER WASTER WASTER PRODUCT SOLUSOUD OIL WIPE (A-Z, 0-9 / -)  Sample IDs MUST BE UNIQUE  TISSUE	-	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	HNO <sub>3</sub>			Methanol	is Testi	01	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000					Residual Chlorine (Y/N)	Meanual Cincons (1114)	Project No.√ L	ab I.D.			
1	APW14			2		2				$\top$	Х			Х				1			$\top$	$\top$	24031342-	014				
2	APW15		Τ	2	$\sqcap$	2	П		$\Box$	7	X	1		Х		$\top$		$\top$			$\top$		24031342-	015				
3	APW16	,	WT G					2	$\sqcap$	2		1		7	Х	<u> </u>		X						$\Box$		1	24031342-	016
4	APW17	١	WT G					2		2					Х			Х									24031342-	017
5	APW18	١	WT G				I	2		2				]	Х			Х									24031342-	J18
6	G104	\	WT C														Х										N/A	
7	G105	١	WT G	1													Х										N/A	
8	G106	١	WT G														Х										N/A	
9	G116	١	WT G														Х		Х								N/A	
10	G125	1	WT G				T						П	7			Х			T							N/A	
11	G128	١	WT G														Х										N/A	
12	G130		NT G	4/9/2	Ü.	1406	Τ										Х										N/A	
13	G133	Į,	<b>Λ</b> Τ G	4912	بار	1518			П		П			7			Х			$\neg \top$						T	N/A	
14	G136	\	WT G														Х			$\prod$							N/A	
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	ADDITIONAL COMMENTS	AFFILIATION			ĩ	IME			_					ATION			ĐA	TE		TIME			SAM	PLE CONDITION	s			
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	Ra226/228 only.		1					T	,				-															
	· ·			NAME AND SIGN INT Name of SAMI		E	يىز	ナン	٦ _	Co	φ	****	· · ·	\ATE	0:4-		. ,			*******			Temp in "C	received on	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)		
		į	SIG	NATURE of SAMI	PLER:	J	1/2	A	-C	u					Signe (D/YY)		1-1	<u>4-7</u>	4				Ę	Z Z	Seal Seal	N H		

NEWTON POWER PLANT POWS PART POWS 145 PM

### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately Section C Section A Section 8 5 Page: Required Client Information: Required Project Information: Invoice Information: Attention: Vistra Corp-Newton Report To: Brian Voelker Terry Hanratty Address: Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com Vistra Corp 6725 N 500th St REGULATORY AGENCY Newton, IL 62448 Address: see Section A Sam Davies - samantha.davies@vistracorp.com NPDES **GROUND WATER** DRINKING WATER Purchase Order No.: Email To: Brian Voelker@VistraCorp.com UST RCRA OTHER Reference Project Name: Project Phone: (217) 753-8911 Site Location Manager 1Ł Project Number: 2285 Profile # STATE: Requested Due Date/TAT: 10 day Requested Analysis Filtered (Y/N) Section D Valid Matrix Codes 3 C=COMP) COLLECTED Preservatives Required Cleat Information MATRIX DRINKING WATER WT WATER WASTE WATER (G=GRAB PRODUCT SOLUSOUD (800) NEW-NPDES-501 # OF CONTAINERS OL. Chlorine ( SAMPLE ID WIPE VEW-SUP-000 NEW-257-501 VEW-811-502 VEW-811-503 VEW-845-501 MATRIX CODE (A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE SAMPLE TYPE Other Analysis Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> Methanol Othe Residual \* TEM : Project No./ Lab I.D. DATE TIME G208 WT N/A 1 G 4-9-24 G217S N/A WT 2 G218 Х N/A 3 WT Х G220 N/A 4 WT G Х 5 G221 WT N/A G Х G222 WE N/A 6 G223 WT Х N/A 7 G Х G224 WT N/A 8 G Х G225 WT N/A 9 G Х G230 WT N/A 10 Ģ Х G231 wr N/A 11 6 Х G232 WT N/A 12 G G233 WT Х N/Α 13 G G234 wr N/A 14 G χ 15 L1R WT Ģ N/A Х L201 WT N/A 16 ACCEPTED BY / AFFILIATION ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME DATE TIME SAMPLE CONDITIONS 4.0 1818 618 4/9/24 **NEW-24Q2 Rev 0** Duel Crua Ra226/228 only. SAMPLER NAME AND SIGNATURE Samples Intact (Y/N) Custady Sealed Cool (Y/N) Temp in PRINT Name of SAMPLER: DATE Signed -4-24 SIGNATURE of SAMPLER: (MM/DD/YY):

	ed Client Information:	rmation:	in-of-Custod	y 13 d LLOAI	. DOC	Sec	ction	C		icius	muşi	De C	nihi6	स्टिप्ट <u>व</u> र	JUI OI	егу.							:	F	Page:	4	of	5			
Compar	y: Vistra Corp-Newton	Report To	Bria	an Vo	oelker				Atte	ntion:		Terry	/ Har	ratt	y											:	-				w-×
Address	6725 N 500th St	Сору То:	Terr	у На	nratty - Terry.Har	ratty@vistra	corp.com		Con	npany	Name	: V	/istra	Co	rp						<u> </u>		·····		RE	GULA	TOR	Y AC	SENCY		
	Newton, IL 62448	<u> </u>	Sam	Dav	ries - samantha.d	avies@vistra	corp.com		Add	ress:	;	see S	Section	on A							_	NPDE	S			ND WA				(ING WATE	
Email To	Brian Voelker@VistraCorp.com					Quot													UST	•		RCRA				THER	JING 77712				
Phone:	(217) 753-8911 Fax:	Project Na	arne:						Proje									····			⊢	Site L	ocati					Ť	1176,75		
Requ	ested Due Date/TAT: 10 day	Project Nu	ımber;	228	35				Man Profi														STAT			IL					
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1TEM #	WATER WASTE WATER PRODUCT SOLUSQUE OL VIPE AR (A-Z, 0-9 / -) OTHER	WT WW P SL CL WP AR CT TS	MATRIX CODE (see valid codes to inft)	SAMPLE TYPE (G=GRAB C=C	DATE		TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H <sub>2</sub> SO,	HCI HCI	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol Other	Analysis Test	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000		maaaaalahahahama waxaa qo'a'a'a'a'a'a'a'a'a'a'a'a'a'a'a'a'a'a'a				Residual Chlorine (Y/N)	Proj	ect No./ La	hID
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	Ra226/228 only.	1						1					7	/			~~~~			<del>-</del> -	+	· / - 1	-		$\top$						
		SAMI	LER NAME	AND SIGNA	TURE	=																		ړ	<del>,  </del>	Б _	Je J	" <del>?</del>			
			PRINT Na	me of SAMP	LER:		<u>)</u> \	JS	7	\	6	p												Temp in °		(Y/N	d Co	Samples Intact (Y/N)			
						SIGNATU	RE of SAMP	LER:		N	12	<del>-</del>	Ü	N					ignec D/YY):		1-0	1-	27	,			Tem		Received or Ice (Y/N)	Custody Sealed Cooler (Y/N)	Sal

# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

NEWTON POWER PLANT PRO3 1579902

### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately Section A Section B Section C 5 5 Required Client Information: Page: Required Project Information. 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 REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A NPDES GROUND WATER DRINKING WATER Email To: Quote Brian.Voelker@VistraCorp.com Purchase Order No.: UST RCRA OTHER Reference hone: (217) 753-8911 Project Name: Project Site Location Manager. iL Project Number: 2285 Profile # Requested Due Date/TAT: 10 day STATE Requested Analysis Filtered (Y/N) ¥≀N ▮ Valid Matrix Codes Section D valid codes to left) C=COMP) COLLECTED Preservatives Required Client Information MATRIX DRINKING WATER DW SAMPLE TEMP AT COLLECTION WATER WY WASTE WATER (G=GRAB Residual Chlorine (Y/N) PROVINCE SOL/SOUD (see OIL WIPE OL WP AR NEW-NPDES-501 CONTAINERS Analysis Test SAMPLE ID NEW-SUP-000 VEW-811-502 NEW-811-503 NEW-845-501 VEW-257-501 MATRIX CODE (A-Z, 0-9 / ,-) OTHER SAMPLETYPE Sample IDs MUST BE UNIQUE HEM DATE TIME Project No.J Lab I.D. XPW04 WT G 1 N/A XSG01 Х 2 WT G N/A Field Blank wr G Х  $X \mid X$ X Χ Х 3 2 24031342-019 4-9-24 A213 Duplicate WT Х 4 G N/A 4/9/7U APW02 Duplicate Х  $X \mid X$ 5 WT G n54 2 24031342-020 G104 Duplicate wr 6 G Х N/A Х 7 Equipment Blank 1 WT G 2 Х Х Χ 24031342-021 8 Equipment Blank 2 WT G 2 2 Х Х Χ Χ Х Χ 24031342-022 Equipment Blank 3 Х Х Х Х 9 WT G 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 6:14 4/9/24 Crima Ra226/228 only. SAMPLER NAME AND SIGNATURE Samples ntact (Y/N) Received o Ice (Y/N) PRINT Name of SAMPLER: Temp in DATE Signed SIGNATURE of SAMPLER: {MM/DD/YY}:

> PH 96651 Lt 4/10/24 \* added HN03(96869)

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Company	Vistra Corp-Newton	Report To:	Brian V	oelker/	*******************************	V			Attent	on:	Ten	у На	nratty						7						·				
Address:	6725 N 500th St	Сору То:	Terry H	anratty - Tern	.Hanratt	y@vistraco	rp.com		Comp	any N	ame:	Vistra	э Согр	,					┪				RE	GULA	ATOR'	Y AG	ENCY		
	Newton, IL 62448		Sam Da	vies - saman	lha,davie	s@vistracc	orp.com		Addre	ss:	see	Secti	ion A							NPD	ES		GROU	ND W/	ATER	**********	DRINK	ING WATE	iR
Email To:	Brian Voelker@VistraCorp.com	Purchase C	Order No.:						Quote										1	US	Г		RCRA			0.	THER		
Phone:	(217) 753-8911 Fax:	Project Nar	me;						Refere Project				<del></del>						$\top$	Site	Local	tion				Т			******************************
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NEWTON POWER PLANTING ACTION REPORT NEWTON POWER PLANTING ACTION REPORT NEW PARTIES.

# CHAIN-OF-CUSTODY / Analytical Request Document

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# 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

# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Eurofins St. Louis NEWTON POWER PLANT, PRIMARY ASH POND NEW 257 504

# **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**

6/11/2024 1:40:38 PM

Authorized for release by Erika Jordan, Project Manager erika.jordan@et.eurofinsus.com (314)298-8566

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, ABONDARY JOSEH IPONOD-53771-1 NEW-25/0-09/124031342

Client: TekLab, Inc Project/Site: Radium-226 and Radium-228

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Client: TekLab, Inc

Project: Radium-226 and Radium-228

Job ID: 160-53771-1 Eurofins St. Louis

#### **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

Eurofins St. Louis

Client: TekLab, Inc Project: Radium-226 and Radium-228

Job ID: 160-53771-1 (Continued)

**Eurofins St. Louis** 

(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.

Eurofins St. Louis

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I ENLAD, INC. CHAIN OF CUSTOdy	5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (

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5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005	☐ Blue Ice Preserved in: ☐ Lab ☐ Field	Sampler: Teklab Sampler QC Level: 2	Comments: Please Issue reports and invoices via email only	r lease allayze for Kadium 220/228 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.		Phone: 618 344-1004 ext. 33	
Road, Collinsville, IL	With:	Cooler Temp:					Email: ehurley@teklabinc.com	35996	
shoe Lake	N N	ŏ				Γ	Email	Billing/PO: 35996	
5445 Horse	led? YES 🔲 NC	ke Road	4		24031342		Contact: Elizabeth Hurley	Standad TAT	
	Are the samples chilled? YES	Teklab Inc 5445 Horseshoe Lake Road	Collinsville, IL 62234		Project#		Contact:	Requested Due Date: Standad TAT	PLEASE NOTE

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	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.	

Sample ID	Sample Date/Time	Preservative	Matrix	В	
24031342-001	4/9/24 1156	HN03	Groundwater	7	
24031342-002	4/9/24 1055	HN03	Groundwater	7	
24031342-003	4/9/24 0954	HN03	Groundwater	7	
24031342-004	4/4/24 1441	HN03	Groundwater	7	
24031342-005	4/2/24 1352	HN03	Groundwater	2	
24031342-006	4/9/24 1244	HN03	Groundwater	7	
24031342-007	4/9/24 1220	HN03	Groundwater	7	
24031342-008	4/8/24 1407	HNO3	Groundwater	7	160-53771 Chain of Custody
24031342-009	4/9/24 1312	HN03	Groundwater	7	
24031342-010	4/8/24 1222	HN03	Groundwater	7	
24031342-011	4/4/24 1400	HN03	Groundwater		

worker	Delitiquistien by	Date/Time	Received By	Opto/Time
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Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA 3/2/2016

TEKLAB, INC. Chain of Custody

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<u>344-1005</u>	n: Lab Field	QC Level: 2	vices via email only methods (Vistra project).		EDD requested. IL site.																		Date/Time	6/18/24 1/30	7071 72170
62234 Phone (618) 344-1004 Fax (618) 344-1005	☐ Blue Ice Preserved in:	Sampler: Teklab Sampler QC	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.	Phone: 618 344-1004 ext. 33		L	ZZ/9ZZ	Matrix &	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Aqueous	Groundwater	Aqueous	Aqueous		dBy	T. 1/22	
5445 Horseshoe Lake Road, Collinsville, IL 6	NO With:	Cooler Temp: Samp				Email: ehurley@teklabinc.com Billing/PO: 35996		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 circuits the ife of the contact.	ou must contact l'extab immediately.  EQ.4 4104	Sample Date/Time   Preservative	HNO3	HNO3	4/4/24 1427 HNO3	4/4/24 1048 HNO3	4/4/24 1143 HNO3	4/4/24 1238 HNO3	4/4/24 1335 HNO3	4/10/24 1045 HNO3 A	4/9/24 1156 HNO3 C	4/10/24 1516 HNO3 A	HNO3		Te/ I Ime	41012 1205	
5445 Hors	Are the samples chilled? YES N	Teklab Inc 5445 Horseshoe Lake Road	Collinsville, IL 62234	Project# 24031342		Contact: Elizabeth Hurley Requested Due Date: Standad TAT	DI EASE NOTE	NELAP accreditation is required on the requested analytes and must be documente if your laboratory does not currently hold a NELAP accreditation for the requested may please contact. Teklab immediately. If your laboratory loses accreditation or is suspensed may be desired to the contact.	arayısınemod damığınıs me bi me contidet, ye	Lab Use Sample ID	24031342-012	24031342-013	24031342-014	24031342-015	24031342-016	24031342-017	24031342-018	24031342-019	24031342-020	24031342-021		*Rolinguished By		The state of the s	

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		TEK	LAB, INC.	TEKLAB, INC. Chain of Custody	Custod	Pg .	- of	V	2
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Teklab Inc	7 CO CO	Cooler Temp:	Sami	Sampler. Teklab Sampler	ıler		QC Level: 2		
Collinsville, IL 62234	ane noau 34		01	Comments:	Please Issu	e reports and in	Please Issue reports and invoices via email only		
				Please analyze for	Radium 226/	228 per standard GV	Please analyze for Radium 226/228 per standard GW methods (Vistra project)		
Project#	24031342		<u> </u>	Changes to method	ds must be ap	Changes to methods must be approved by Teklab, Inc.	nc. Analyze from volume 24031341-006	24031341-006.	
				Batch QC is require	ed for all analy	yses requested. Exc	Batch QC is required for all analyses requested. Excel EDD requested. IL site.	o o	
Contact:	Contact: Elizabeth Hurley	Email: ehurley@te	ehurley@teklabinc.com				W.1. L.	A	
Requested Due Date: Standad TAT	Standad TAT	Billing/PO: 35996		Pho	ne: 618 344-	Phone: 618 344-1004 ext. 33	- 4	S. J.	S.
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NELAP accreditation i If your laboratory does please contact Teklab analyte/method during	NELAP accreditation is required on the requested analytes and must be documente If your laboratory does not currently hold a NELAP accreditation for the requested rr please contact Teklab immediately. If your laboratory loses accreditation or is suspe analyte/method during the life of the contract, you must contact Teklab immediately.	I analytes and must be doct P accreditation for the reque tory loses accreditation or is I must contact Teklab imme	and must be documented as such on the final report, iation for the requested method and/or analytes, accreditation or is suspended for any nact Teklab immediately.	on the final report, for analytes, by	526/228				
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			HNO3	Groundwater					
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Client: TekLab, Inc Job Number: 160-53771-1 SDG Number: 24031342

Login Number: 53771 List Source: Eurofins St. Louis

List Number: 1

Creator: Worthington, Sierra M

Grouter: Troitinington, Gloria III		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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/C158 say Toring and corrective action report Newton Power Plant, Primary ash Pond New 187-160-53771-1

Client: TekLab, Inc Project/Site: Radium-226 and Radium-228 SDG: 24031342

#### **Qualifiers**

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Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
11	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)

DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

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 Positive / Present POS

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) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count APPENDIX A.

AMETHOR SOUTH AND CORRECTIVE ACTION REPORT
NEWTON POWER PLANT, PRIMARY ASH POND
NEW 10-160-53771-1

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

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

# APPENDIX A. ASSAM FRE SPINATERAL NITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW 10-160-53771-1

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

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

Project/Site: Radium-226 and Radium-228

NEOND-1207-9600-53771-1

SDG: 24031342

Client Sample ID: 24031342-001 Lab Sample ID: 160-53771-1

**Matrix: Water** 

Date Collected: 04/09/24 11:56

Date Received: 04/12/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC) Count Total Uncert. Uncert. Analyte Result Qualifier  $(2\sigma + / -)$  $(2\sigma + / -)$ 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 Carrier Qualifier Limits Prepared Analyzed Dil Fac %Yield Ba Carrier 87.1 30 - 110 05/13/24 10:33 06/10/24 12:35

Method: EPA 904.0 - Radium-228 (GFPC) Total Count Uncert. Uncert. Result Qualifier RL  $(2\sigma + / -)$ **MDC** Unit **Analyte**  $(2\sigma + / -)$ Prepared Analyzed Dil Fac 0.0783 U 04/15/24 08:45 05/06/24 12:11 Radium-228 0.245 0.245 1.00 0.441 pCi/L Carrier %Yield Qualifier Limits Prepared Analyzed Dil Fac Ba Carrier 98.7 30 - 110 04/15/24 08:45 05/06/24 12:11 84.5 30 - 110 04/15/24 08:45 05/06/24 12:11 Y Carrier

Method: TAL-STL Ra226 Ra228 Pos - Combined Radium-226 and Radium-228 Total Count Uncert. Uncert. Analyte Result Qualifier  $(2\sigma + / -)$  $(2\sigma + / -)$ RL **MDC** Unit Prepared Analyzed Dil Fac 0.117 U Radium 226 and 228 0.250 0.250 5.00 0.441 pCi/L 06/11/24 09:32

Client Sample ID: 24031342-002 Lab Sample ID: 160-53771-2

Date Collected: 04/09/24 10:55 **Matrix: Water** Date Received: 04/12/24 12:00 Method: EPA 903.0 - Radium-226 (GFPC)

Count Total Uncert. Uncert. Analyte Result Qualifier  $(2\sigma + / -)$  $(2\sigma + / -)$ RL **MDC** Unit Prepared Analyzed Dil Fac Radium-226 0.0328 Ū 0.0487 0.0488 1.00 0.0836 pCi/L 05/13/24 10:33 06/10/24 12:23 Carrier Limits **%Yield Qualifier** Prepared Analyzed Dil Fac 05/13/24 10:33 06/10/24 12:23 Ba Carrier 84.1 30 - 110

Method: EPA 904.0 - Radium-228 (GFPC) Count Total Uncert. Uncert. Result Qualifier **MDC** Unit Analyte  $(2\sigma + / -)$  $(2\sigma + / -)$ RL Prepared Analyzed Dil Fac Radium-228 Ū 0.391 0.297 0.299 1.00 0.451 pCi/L 04/15/24 08:45 05/06/24 12:11 %Yield Qualifier Limits Prepared Dil Fac Carrier Analyzed 30 - 110 04/15/24 08:45 05/06/24 12:11 Ba Carrier 93.1 85.2 04/15/24 08:45 05/06/24 12:11 Y Carrier 30 - 110

Method: TAL-STL I	Ra226_Ra2	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

SDG: 24031342

**Client Sample ID: 24031342-003** Lab Sample ID: 160-53771-3

**Matrix: Water** 

Date Collected: 04/09/24 09:54 Date Received: 04/12/24 12:00

Project/Site: Radium-226 and Radium-228

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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											
			Count	Total							
			Uncert.	Uncert.							
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-53771-4 Date Collected: 04/04/24 14:41 **Matrix: Water** Date Received: 04/12/24 12:00

Method: EPA 903.0	o - Radium	-220 (GFF	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.				_		
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.180	UG	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											
			Count	Total							
			Uncert.	Uncert.							
Analyte	Result	Qualifier	(2σ+/-)	(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	

SDG: 24031342

Project/Site: Radium-226 and Radium-228 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: E	PA 903.0	- Radium-226	(GFPC)

Ba Carrier	89.1		30 - 110					05/13/24 10:33	06/10/24 14:20	1
Carrier	%Yield	Qualifier	Limits					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
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			Count	Total						

# Method: EPA 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

Method. IAL-STEN	.azzu_i\az	220 1 03 -	Combined	Naululli-22	o and ite	iuiuiii-2	20			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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: FPA 903.0 - Radium-226 (GFPC)

Metriod. Er A 300		`	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Wethou: EPA 904.0	) - Kaulum	-220 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Rad
	0	Tatal

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228											
			Count	Total							
			Uncert.	Uncert.							
Analyte	Result	Qualifier	(2σ+/-)	(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	

Project/Site: Radium-226 and Radium-228

SDG: 24031342

Lab Sample ID: 160-53771-7

**Matrix: Water** 

<b>Client Samp</b>	le ID:	24031342-007

Date Collected: 04/09/24 12:20 Date Received: 04/12/24 12:00

Method: EPA 903	.0 - Radium	-226 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Amalusta	Danult	O !! fi			D.	MDC	1114	Duamanad	A a l a al	Dil Fac
Analyte	Result	Qualifier	(2σ+/-)	(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 R	Ra226_Ra	228 Pos -	Combined	Radium-2	226 and F	Radium-2	28			
				Count	Total						
				Uncert.	Uncert.						
1	Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
F	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 Lab Sample ID: 160-53771-8 Date Collected: 04/08/24 14:07 **Matrix: Water** 

Date Received: 04/12/24 12:00

Method: EPA 903	.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 90	4.0 - Radium	-228 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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-ST	L Ra226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 22	0.905		0.353	0.358	5.00	0.487	pCi/L		06/11/24 09:32	1

Project/Site: Radium-226 and Radium-228

SDG: 24031342

Client Sample ID: 24031342-009 Lab Sample ID: 160-53771-9

**Matrix: Water** 

Date Collected: 04/09/24 13:12 Date Received: 04/12/24 12:00

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	226 and F	Radium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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** Lab Sample ID: 160-53771-10 Date Collected: 04/08/24 12:22 **Matrix: Water** Date Received: 04/12/24 12:00

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.176	UG	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 I	Ra226_Ra2	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

SDG: 24031342

Lab Sample ID: 160-53771-11

**Matrix: Water** 

Client Sample ID: 24031342-011

Date Collected: 04/04/24 14:00 Date Received: 04/12/24 12:00

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.719	UG	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 F	Ra226_Ra2	228 Pos -	Combined	Radium-2	26 and Ra	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-53771-12 Date Collected: 04/04/24 12:54 **Matrix: Water** Date Received: 04/12/24 12:00

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra2	228 Pos -	Combined	Radium-2	26 and F	Radium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

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** 

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Ba Carrier	% <b>Yield</b> 85.8	Qualifier	Limits 30 - 110					<b>Prepared</b> 05/13/24 10:33	Analyzed 06/10/24 14:07	Dil Fac

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analvzed	Dil Fac
Radium-228	0.234		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

Method. IAL-STET	\azzu_i\az	220 1 03 -	Combined	Maululli-22	Lo and ix	aululli-2	20			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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)

mothod: El A ou	olo itaalah	220 (0. 1	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 90	4.0 - Kadium	-220 (GFP	<b>C)</b>							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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	D - 000 D	A contract of the contract	000 - I D - II - 000
I MATROA: IAI SII Bayyk	Manny Due -	Compined Radilim	-776 and Padilim-778

Method. IAL-SIL N	a220_Na2	220 FUS -	Combined	Naululli-2	ZU allu N	aululli-2	20				
			Count	Total							
			Uncert.	Uncert.							
Analyte	Result	Qualifier	(2σ+/-)	(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	

Project/Site: Radium-226 and Radium-228

SDG: 24031342

Lab Sample ID: 160-53771-15 Client Sample ID: 24031342-015

**Matrix: Water** 

Date Collected: 04/04/24 10:48 Date Received: 04/12/24 12:00

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-53771-16 Date Collected: 04/04/24 11:43 **Matrix: Water** Date Received: 04/12/24 12:00

Method: EPA 903.0	) - Radium	-226 (GFP	PC)							
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 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

SDG: 24031342

**Client Sample ID: 24031342-017** Lab Sample ID: 160-53771-17 Date Collected: 04/04/24 12:38

**Matrix: Water** 

Date Received: 04/12/24 12:00

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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												
			Count	Total								
			Uncert.	Uncert.								
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-53771-18 Date Collected: 04/04/24 13:35 **Matrix: Water** 

Date Received: 04/12/24 12:00

Method: EPA 903	.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	26 and Ra	dium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

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:	<b>EPA 903.</b>	0 - Radium-226	(GFPC)

			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Total

## Method: EPA 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

Count

Method. IAL-STE N	azzu_i\az	LZU I U3 -	Combined	Maululli-22	o and ix	aululli-2	20			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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: FPA 903.0 - Radium-226 (GFPC)

Metriod. Er A 300		(	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Welliou. EPA 30	74.0 - Kaululli	-220 (GFP	<b>(</b> )							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Mothod: TAL STI	Dagge Dag	22 Doc Com	hinad Dadium	-226 and Radium-228
WELLIOU. IAL-OIL	- NAZZO NAZ	ZO PUS - GUIII	umeu Kaumii	·zzo anu Kaunum-zzo

Method. IAL-STEIN	azzu_i\az	220 1 03 -	Combined	Madiuiii-22	Lo and ixe	1010111-220				
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC Un	it	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.611	U	0.402	0.405	5.00	0.615 pC	i/L		06/11/24 12:54	1

# APPENDIX A. CHEMICS APPENDIX PROPERTY OF THE SUPERING AND CORRECTIVE ACTION REPORT NEW 157-460-53771-1

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

SDG: 24031342

Client Sample ID: 24031342-021 Lab Sample ID: 160-53771-21

**Matrix: Water** 

Date Collected: 04/10/24 15:16	
Date Received: 04/12/24 12:00	

- Radium	-226 (GFP	C)							
	•	Count Uncert.	Total Uncert.						
Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
-0.00836	U	0.0396	0.0396	1.00	0.0957	pCi/L	04/15/24 08:58	05/08/24 10:00	1
%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
100		30 - 110					04/15/24 08:58	05/08/24 10:00	1
	Result -0.00836 %Yield	Result Qualifier -0.00836 U	Continuation   Con	Count Uncert. Uncert.	Count   Total   Uncert.   Uncert.   Uncert.   Count   Uncert.   Uncert.   Uncert.   Count   Uncert.   Uncert.   Uncert.   Count   Uncert.   Unc	Count   Total   Uncert.   Uncert.   Uncert.   Count   Uncert.	Count   Total   Uncert.   Uncert.   Uncert.   Count   Uncert.   Uncert.   Uncert.   Count   Uncert.   Uncert.   Uncert.   Count   Uncert.   Unc	Count   Total   Uncert.   Uncert.   Uncert.     Esult   Qualifier   (2σ+/-)   (2σ+/-)   RL   MDC   Unit   Prepared   O.00836   U   O.0396   O.0396   O.0396   O.0957   PCi/L   O4/15/24 08:58     W Yield   Qualifier   Limits   Prepared   Prepared     Prepared   O.00836   O.0	Count Uncert.   Uncert.   Uncert.   Uncert.

			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra	228 Pos -	Combined	Radium-22	26 and Ra	adium-2	28			
				Count	Total						
				Uncert.	Uncert.						
Analyte		Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 2	226 and 228	0.552		0.338	0.342	5.00	0.486	pCi/L	_	06/11/24 12:54	1

10

QCUS AND PORTES MINISTORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND Client: TekLab, Inc NEOND-1267-1660-53771-1

Total

SDG: 24031342

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-656973/1-A

Project/Site: Radium-226 and Radium-228

**Matrix: Water** 

**Matrix: Water** 

Analysis Batch: 660741

Client Sample ID: Method Blank

**Prep Type: Total/NA** 

**Prep Batch: 656973** 

MB MB Uncert. Uncert. Analyte Result Qualifier  $(2\sigma + / -)$  $(2\sigma + / -)$ 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

> MB MB

Carrier %Yield Qualifier Limits Prepared Analyzed Dil Fac Ba Carrier 92.1 30 - 110 04/15/24 08:58 05/08/24 09:59

Client Sample ID: Lab Control Sample

%Rec

Prep Type: Total/NA

**Prep Batch: 656973** 

Analysis Batch: 660741 Total LCS LCS **Spike** Uncert.

Count

Count

Analyte Added Result Qual  $(2\sigma + / -)$ RL %Rec Limits MDC Unit Radium-226 11.3 9.795 1.05 1.00 0.106 pCi/L 86 75 - 125

LCS LCS Carrier %Yield Qualifier Limits Ba Carrier 99.0 30 - 110

Lab Sample ID: LCS 160-656973/2-A

Lab Sample ID: MB 160-661412/1-A Client Sample ID: Method Blank

Total

**Matrix: Water** 

**Analysis Batch: 665590** 

Prep Type: Total/NA Prep Batch: 661412

MB MB Uncert. Uncert. Result Qualifier  $(2\sigma + / -)$  $(2\sigma + / -)$ **MDC** Unit Dil Fac Analyte RL Prepared Analyzed Radium-226 Ū 0.0528 05/13/24 10:33 06/10/24 12:25 0.003904 0.0528 1.00 0.105 pCi/L

MB MR Dil Fac Carrier %Yield Qualifier Limits Prepared Analyzed 05/13/24 10:33 06/10/24 12:25 Ba Carrier 85.1 30 - 110

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** 

Spike LCS LCS Uncert. %Rec Added Result Qual RL **MDC** Unit %Rec Limits

Analyte  $(2\sigma + / -)$ Radium-226 11.3 11.99 1.23 1.00 0.114 pCi/L 106 75 - 125

LCS LCS

Carrier %Yield Qualifier Limits Ba Carrier 81.8 30 - 110

Lab Sample ID: LCSD 160-661412/3-A **Client Sample ID: Lab Control Sample Dup** 

**Matrix: Water** 

**Analysis Batch: 665614** 

Prep Type: Total/NA **Prep Batch: 661412** 

Total

Total Spike LCSD LCSD Uncert. %Rec **RER** Analyte Added Result Qual  $(2\sigma + / -)$ RL MDC Unit %Rec Limits RER Limit Radium-226 11.3 11.49 1.19 1.00 0.121 pCi/L 101 75 - 125 0.21

10

RL

1.00

Total

1.05

Total

Uncert.

 $(2\sigma + / -)$ 

0.196

RL

1.00

RL

1.00

RL

1.00

**MDC** Unit

0.415 pCi/L

**MDC** Unit

0.0551 pCi/L

Uncert. (2σ+/-)

LCS LCS

DU DU

Result Qual

0.1748 U

Count

Uncert.

 $(2\sigma + / -)$ 

Result Qual

10.78

Spike

Added

30 - 110

11.3

Client: TekLab, Inc

NEOND-1267-1660-53771-1

SDG: 24031342

# Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCSD 160-661412/3-A

Project/Site: Radium-226 and Radium-228

**Matrix: Water** 

Analysis Batch: 665614

LCSD LCSD

Carrier **%Yield Qualifier** Limits Ba Carrier 794 30 - 110

Lab Sample ID: MB 160-661614/1-A

**Matrix: Water** 

Analysis Batch: 665106

Count

Total MB MB Uncert. Uncert. Analyte Result Qualifier  $(2\sigma + / -)$  $(2\sigma + / -)$ Radium-226 -0.004779 Ū 0.0351 0.0351

> MB MB

Carrier %Yield Qualifier Limits Ba Carrier 69.7 30 - 110

Lab Sample ID: LCS 160-661614/2-A

**Matrix: Water** 

Analyte

Radium-226

Ba Carrier

Ba Carrier

Analyte

**Analysis Batch: 665106** 

LCS LCS Carrier %Yield Qualifier Limits

69.4

Lab Sample ID: 160-53771-3 DU

**Matrix: Water** 

**Analysis Batch: 665106** 

Sample Sample Result Qual Analyte 0.0634 U Radium-226

DU DU Carrier %Yield Qualifier Limits 30 - 110

Method: 904.0 - Radium-228 (GFPC)

85.8

Lab Sample ID: MB 160-656969/1-A **Matrix: Water** 

**Analysis Batch: 660323** 

Radium-228 0.229 0.06894 U MB MB Carrier %Yield Qualifier Limits

MB MB

Result Qualifier

Ba Carrier 96.2 30 - 110 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

**Prep Batch: 661412** 

Client Sample ID: Method Blank

Prep Type: Total/NA **Prep Batch: 661614** 

**MDC** Unit Prepared Analyzed Dil Fac 0.0715 pCi/L 05/14/24 12:50 06/07/24 06:54

> Prepared Analyzed Dil Fac 05/14/24 12:50 06/07/24 06:54

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

**Prep Batch: 661614** 

%Rec

Limits

75 - 125

%Rec

95

Client Sample ID: 24031342-003

**Prep Type: Total/NA** 

**Prep Batch: 661614** 

**RER** RER Limit

**MDC** Unit 0.319 pCi/L 0.31

**Client Sample ID: Method Blank** 

Prep Type: Total/NA

**Prep Batch: 656969** 

Prepared Analyzed Dil Fac 04/15/24 08:45 05/06/24 12:11

Prepared Analyzed Dil Fac 04/15/24 08:45 05/06/24 12:11

Eurofins St. Louis

Total

Uncert.

 $(2\sigma + / -)$ 

0.229

10

Client: TekLab, Inc

NEOND-2157-9660-53771-1

SDG: 24031342

## Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-656969/1-A

Lab Sample ID: LCS 160-656969/2-A

Project/Site: Radium-226 and Radium-228

**Matrix: Water** 

**Matrix: Water** 

**Analysis Batch: 660323** 

**Analysis Batch: 660323** 

MB MB

Carrier **%Yield Qualifier** Limits Y Carrier 87 1 30 - 110 **Client Sample ID: Method Blank** 

Prep Type: Total/NA

Dil Fac

**Prep Batch: 656969** 

Analyzed

04/15/24 08:45 05/06/24 12:11

Client Sample ID: Lab Control Sample

Prepared

Prep Type: Total/NA

**Prep Batch: 656969** 

Total

LCS LCS %Rec **Spike** Uncert. Analyte Added Result Qual  $(2\sigma + / -)$ RL **MDC** Unit %Rec Limits Radium-228 8.97 9.917 1.29 1.00 0.444 pCi/L 111 75 - 125

LCS LCS

Carrier %Yield Qualifier Limits Ba Carrier 98.5 30 - 110 Y Carrier 86.4 30 - 110

Lab Sample ID: 160-53771-3 DU Client Sample ID: 24031342-003

**Matrix: Water** 

Analysis Batch: 660323

Prep Type: Total/NA

**Prep Batch: 656969** 

Total Sample Sample DU DU Uncert. **RER** Limit Analyte Result Qual Result Qual RL **MDC** Unit RER  $(2\sigma + / -)$ Radium-228 1.01 1.547 0.463 1.00 0.460 pCi/L 0.64

DU DU Carrier %Yield Qualifier Limits Ba Carrier 914 30 - 110 81.9 30 - 110 Y Carrier

Client Sample ID: Method Blank Lab Sample ID: MB 160-656974/1-A

**Matrix: Water** 

**Analysis Batch: 659960** 

Prep Type: Total/NA

**Prep Batch: 656974** 

Count Total MB MB Uncert. Uncert. Result Qualifier Analyte  $(2\sigma + / -)$  $(2\sigma + / -)$ RL **MDC** Unit Prepared Analyzed Dil Fac Radium-228 0.2254 Ū 0.344 0.345 1.00 0.584 pCi/L 04/15/24 09:07 05/03/24 12:10

Carrier %Yield Qualifier Limits Ba Carrier 92.1 30 - 110 Y Carrier 86.0 30 - 110

MB MB

Prepared Analyzed Dil Fac 04/15/24 09:07 05/03/24 12:10 04/15/24 09:07 05/03/24 12:10

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** 

				Total						
	Spike	LCS	LCS	Uncert.					%Rec	
Analyte	Added	Result	Qual	(2σ+/-)	RL	MDC (	Jnit	%Rec	Limits	
Radium-228	8.98	9.376		1.28	1.00	0.471 p	Ci/L	104	75 - 125	

# APPENDIX A. CYCUS AMPIEWRES UNSTORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW 160-53771-1

Client: TekLab, Inc Project/Site: Radium-226 and Radium-228

SDG: 24031342

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-656974/2-A

Matrix: Water

**Analysis Batch: 659960** 

LCS LCS

Carrier	%Yield	Qualifier	Limits
Ba Carrier	99.0		30 - 110
Y Carrier	81.1		30 - 110

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 656974

Client: TekLab, Inc Project/Site: Radium-226 and Radium-228 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 160-53771-21	Client Sample ID 24031342-021	Prep Type Total/NA	Matrix Water	Method PrecSep-21	Prep Batch
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	

SDG: 24031342

# Rad (Continued)

### Prep Batch: 661412 (Continued)

Project/Site: Radium-226 and Radium-228

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 160-53771-3	Client Sample ID 24031342-003	Prep Type Total/NA	Matrix Water	Method PrecSep-21	Prep Batch
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	

Project/Site: Radium-226 and Radium-228

SDG: 24031342

# Method: 903.0 - Radium-226 (GFPC)

**Matrix: Water Prep Type: Total/NA** 

			Percent Yield (Acceptance Limits)
		Ва	
Lab Sample ID	Client Sample ID	(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 Legen	d		
Ba = Ba Carrier			

# Method: 904.0 - Radium-228 (GFPC)

**Matrix: Water** Prep Type: Total/NA

				Percent Yield (Acceptance Limits)
		Ва	Υ	
Lab Sample ID	Client Sample ID	(30-110)	(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	

SDG: 24031342

Method: 904.0 - Radium-228 (GFPC) (Continued)

Project/Site: Radium-226 and Radium-228

**Matrix: Water** Prep Type: Total/NA

				Percent Yield (Acceptance Limits)
		Ва	Υ	
Lab Sample ID	Client Sample ID	(30-110)	(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	

Ba = Ba Carrier

Y = Y Carrier

LIMS Workorder: 24031341 Technician(s): DC, JC, TC, BG

	an(s). DC, JC, TC,			Weat	ther		Well Condition				
WO Sample	Well ID	Brogram / Cample Type	Temp	Dun eledantina	Wind	Cl	147-II BI	Control	Burt ative Course	Reference	Well
		Program/ Sample Type	(°F)	Precipitation	Direction	Sky	Well Pad	Casing	Protective Cover	Mark/ ID	Locked
001 002	A213 A214	Groundwater Sample Groundwater Sample	64.0 57.0	None	W	Cloudy Cloudy	Good	Good	Good Good	Yes Yes	Yes
		,		None		· ·	Good	Good			Yes
003	A215 APW02	Groundwater Sample	57.0	None	W	Cloudy	Good Good	Good	Good	Yes	Yes
004 005	APW03	Groundwater Sample	65.0 65.0	None None	W	Partly cloudy Partly cloudy	Good	Good Good	Good Good	Yes Yes	Yes Yes
005	APW04	Groundwater Sample Groundwater Sample	59.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
000	APW05	Groundwater Sample	44.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
007	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
010	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	Е	Cloudy	Good	Good	Good	Yes	Yes
018	APW15	Groundwater Sample	37.0	None	Е	Cloudy	Good	Good	Good	Yes	Yes
019	APW16	Groundwater Sample	38.0	None	Е	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	Е	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



LIMS Workorder: 24031341 Technician(s): DC, JC, TC, BG

				Weat	:her		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	Е	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					



LIMS Workorder: 24031341 Technician(s): DC, JC, TC, BG

	un( <b>3):</b> De, 3e, 1e,		GW Level Meas	urement	Purge Activities								
												Actual	
											Well	Volume	Purge
WO Sample	Well ID	Sampler	Data /Time	DTM (fa)	DTD (f4)	Sampler	Duran Data	Purge	Purge	Dunaina Davias	Diameter	Purged	Rate
001	A213	Initials JC	<b>Date/Time</b> 4/9/24 10:57	DTW (ft) 18.34	<b>DTB (ft)</b> 60.99	Initials JC	<b>Purge Date</b> 4/9/2024	Start Time 10:57	End Time 11:28	Purging Device Bladder Pump	(in) 2"	(L) 6.0	(mL/min) 193.5
001	A213 A214	1C	4/9/24 10:57	41.07	75.52	1C	4/9/2024	10:57	10:44	Submersible Pump	2"	19.0	575.8
002	A214 A215	1C	4/9/24 9:00	44.17	78.10	1C	4/9/2024	09:05	09:52	Submersible Pump	2"	25.0	531.9
003	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
004	APW03	TAC	4/9/24 11:31	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 BG	4/9/2024	12:30	12:44	Submersible Pump	2"	3.0	214.3
010	APW07	JC 3C	4/9/24 11:56	46.90	85.80	JC 3C	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



#### **Groundwater Sampling Summary** Newton- 2Q 2024

			GW Level Meas	urement					Purge	e 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												



#### 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



#### **Groundwater Sampling Summary** Newton- 2Q 2024

						Sampling	Activities ar	nd 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						



LIMS Workorder: 24031341 Technician(s): DC. JC. TC. BG

Technica	an(s): DC, JC, TC,	<u> </u>
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	



LIMS Workorder: 24031341 Technician(s): DC, JC, TC, BG

WO Sample	Well ID	COMMENTS
043	G231	COMMENTS
043	G232	filter in lab, wrote on coc. JC
044	G233	inter in lab, wrote on coc. ic
045	G233 G234	
046	L1R	filter in leh. Wrote en een IC
047	L201	filter in lab. Wrote on coc. JC
048	L202	
050	L202	
050	L204	
052	L205	
053	L301	Unable to collect
054	LREP	Unable to collect
055	R217D	Unable to Collect
056	R217B	
057	S101	filter in lab. Wrote on coc. JC
058	S102	filter in lab. Wrote on coc. JC
059	SG02	inter in lab. Wrote on coc. Je
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	



#### 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			U	nable to sample/me	asure			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



#### **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					Unabl	e to sample					24031341-053A
LREP				Unable to sample 24							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 Sa	mple				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 Sa	mple				24031341-071A



#### **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



#### **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



#### **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



#### **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



# **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



# **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



# **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



# **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



# **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



# **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



# **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



# **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



# **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



# 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



# **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



# **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



# **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



# **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



# **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



# **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



# **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



# **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



# **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



# **Groundwater Sampling Field Forms- Groundwater Quality Parameters** Newton- 2Q 2024

LIMS Workorder: 24031341 Technician(s): DC, JC, TC, BG

Site Samping Event: Newton- 2Q24

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



# **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



# **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



# **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



# **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



# **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



# **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



# **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



# **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



# **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				Una	ble to san	ple/ measure			



# **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



# **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			



**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			



# **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



# **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			



**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			



# **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			



# 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



# **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



# **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



# **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



# **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



# **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



**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



**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			



**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			



**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			



**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			



# **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		•	



**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 sa	mple/mea	sure			



# 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 sa	mple/mea	asure			



# **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



# **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



**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



**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



# **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			



# **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



# **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



# **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



# **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



# **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



# **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



**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			



**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				Q/	A/QC Sample			



# **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



# **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



# **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



**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				Q/	A/QC Sample			



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

pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer					tin colp			2/2024
7.0 Buffer	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
	wc230830b	4.00	4/2/24 9:26		1,412 μS Std.	95009	1413	4/2/24 9:3:
	wc240307f	7.01	4/2/24 9:24		, , ,	l.		
	wc231027d	9.99	4/2/24 9:28		Turbidity Standard	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	wc231207a				0 NTU (DI Water)	1	0.09	4/2/24 9:3:
.,,					124 NTU	95834		
ORP Standard	LIMS ID/Lot#	Reading	Date/Time		D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
L		]			100%	N/A		
Sample ID	Sample Type	Date/Time	Temp.	рН	Conductivity	Turbidity	ORP	D.O.
			°C	S.U.	μS	NTU	mV	%
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		
Field Meter ID:	Pine	218083	Technician(s):	just	tin colp	Date:	4/3	3/2024
_			_			_		
Field Meter ID:  pH Standards  4.0 Buffer	Pine LIMS ID wc230830b	218083  Calibration reading 4.00	Technician(s):		tin colp Conductivity Standard 1,412 uS Std.	Date: _ LIMS ID 95009	4/3 Reading 1413	B/2024  Date/Time 4/3/24 8:4
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
<b>pH Standards</b> 4.0 Buffer	LIMS ID wc230830b	Calibration reading 4.00	Date/Time 4/3/24 8:34		Conductivity Standard	LIMS ID	Reading	Date/Time 4/3/24 8:4
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc230830b wc240307f	Calibration reading 4.00 7.00	Date/Time 4/3/24 8:34 4/3/24 8:30		Conductivity Standard 1,412 μS Std.	LIMS ID 95009	Reading 1413	Date/Time 4/3/24 8:4 Date/Time
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc230830b wc240307f wc231027d	Calibration reading 4.00 7.00	Date/Time 4/3/24 8:34 4/3/24 8:30		Conductivity Standard 1,412 μS Std. Turbidity Standard	LIMS ID 95009	Reading 1413 Reading	Date/Time 4/3/24 8:4 Date/Time
pH Standards 4.0 Buffer 7.0 Buffer	LIMS ID wc230830b wc240307f wc231027d	Calibration reading 4.00 7.00	Date/Time 4/3/24 8:34 4/3/24 8:30		Conductivity Standard 1,412 μS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU D.O. Saturation	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot#	Reading 1413 Reading	Date/Time
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc230830b wc240307f wc231027d wc231207a	Calibration reading 4.00 7.00 9.98	Date/Time 4/3/24 8:34 4/3/24 8:30 4/3/24 8:39		Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU	LIMS ID 95009 LIMS ID 1 95834	Reading 1413 Reading 0.08	Date/Time 4/3/24 8:4 Date/Time 4/3/24 8:4
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer) ORP Standard	LIMS ID wc230830b wc240307f wc231027d wc231207a	Calibration reading 4.00 7.00 9.98	Date/Time 4/3/24 8:34 4/3/24 8:30 4/3/24 8:39  Date/Time	рН	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity	UMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot#  N/A  Turbidity	Reading 1413 Reading 0.08 Reading	Date/Time  4/3/24 8:4  Date/Time  Date/Time
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer) ORP Standard	LIMS ID wc230830b wc240307f wc231027d wc231207a	Calibration reading 4.00 7.00 9.98 Reading	Date/Time 4/3/24 8:34 4/3/24 8:30 4/3/24 8:39  Date/Time	,	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot#  N/A	Reading 1413  Reading 0.08  Reading	Date/Time 4/3/24 8:4  Date/Time 4/3/24 8:4  Date/Time



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

			r ieiu conu. 30	J. 1133 J. O.	5 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	c	onductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	wc230830b	4.01	4/4/24 9:25		1,412 µS Std.		1412	4/4/24 9:35
7.0 Buffer	wc240307f	7.00	4/4/24 9:23					
10.0 Buffer	wc231027d	10.00	4/4/24 9:32		Turbidity Standard	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	wc23207A				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		
			Temp.	рН	Conductivity	Turbidity	ORP	D.O.
Sample ID	Sample Type	Date/Time	°C	S.U.	μS	NTU	m∨	%
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		
601.2	ccv	4/4/24 15:04	14.5	7.05	1,458	1.77		
CCV-3  Comments:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1					
		1 ' ' '	Technician(s):	Tracy	Carroll	Date:	4/3	8/2024
Comments:	Pine	26599	` -			•		
Comments: Field Meter ID: pH Standards	Pine LIMS ID	26599  Calibration reading	Date/Time		onductivity Standard	LIMS ID	Reading	Date/Time
Comments:	Pine LIMS ID wc230830b	26599  Calibration reading 4.00	Date/Time 4/8/24 10:12			•		Date/Time
Comments: Field Meter ID: pH Standards	Pine LIMS ID	26599  Calibration reading	Date/Time		onductivity Standard	LIMS ID	Reading	Date/Time
Comments:  Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer	Pine  LIMS ID  wc230830b  wc240307f	26599  Calibration reading 4.00 7.00	Date/Time 4/8/24 10:12 4/8/24 10:11		onductivity Standard 1,412 μS Std.	LIMS ID 95009	Reading 1412	Date/Time 4/8/24 10:50
Comments:  Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	Pine LIMS ID wc230830b wc240307f wc231027d	26599  Calibration reading 4.00 7.00	Date/Time 4/8/24 10:12 4/8/24 10:11		onductivity Standard 1,412 μS Std. Turbidity Standard	LIMS ID 95009 LIMS ID	Reading 1412	Date/Time 4/8/24 10:50
Comments:  Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	Pine  LIMS ID  wc230830b  wc240307f  wc231027d  WC231207A	26599  Calibration reading 4.00 7.00	Date/Time 4/8/24 10:12 4/8/24 10:11 4/8/24 10:26		onductivity Standard 1,412 μS Std. Turbidity Standard 0 NTU (DI Water)	LIMS ID 95009 LIMS ID	Reading 1412	Date/Time 4/8/24 10:50 Date/Time
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	Pine LIMS ID wc230830b wc240307f wc231027d	26599  Calibration reading 4.00 7.00 10.00	Date/Time 4/8/24 10:12 4/8/24 10:11		onductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU	LIMS ID 95009 LIMS ID 1 95834	Reading 1412 Reading	Date/Time 4/8/24 10:50
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer 10.0 Buffer ORP Standard	Pine LIMS ID wc230830b wc240307f wc231027d WC231207A LIMS ID/Lot#	26599  Calibration reading 4.00 7.00 10.00  Reading	Date/Time 4/8/24 10:12 4/8/24 10:11 4/8/24 10:26		onductivity Standard 1,412 μS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU D.O. Saturation	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot#	Reading 1412 Reading	Date/Time 4/8/24 10:50 Date/Time
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	Pine  LIMS ID  wc230830b  wc240307f  wc231027d  WC231207A	26599  Calibration reading 4.00 7.00 10.00	Date/Time 4/8/24 10:12 4/8/24 10:11 4/8/24 10:26  Date/Time	c	onductivity Standard 1,412 μS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%	LIMS ID 95009 LIMS ID 1 95834 LIMS ID/Lot# N/A	Reading 1412 Reading Reading	Date/Time 4/8/24 10:5( Date/Time
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer 10.0 Buffer ORP Standard	Pine LIMS ID wc230830b wc240307f wc231027d WC231207A LIMS ID/Lot#	26599  Calibration reading 4.00 7.00 10.00  Reading	Date/Time 4/8/24 10:12 4/8/24 10:11 4/8/24 10:26  Date/Time  Temp.	рН	onductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity	Reading 1412 Reading Reading  Reading	Date/Time 4/8/24 10:50 Date/Time Date/Time
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard  Sample ID	Pine LIMS ID wc230830b wc240307f wc231027d WC231207A LIMS ID/Lot#	26599  Calibration reading 4.00 7.00 10.00  Reading  Date/Time	Date/Time 4/8/24 10:12 4/8/24 10:11 4/8/24 10:26  Date/Time  Temp. °C	pH S.U.	onductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity NTU	Reading 1412 Reading Reading  Reading	Date/Time 4/8/24 10:50 Date/Time Date/Time
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer)  CS/CCV (7.0 Buffer)  ORP Standard  Sample ID  LCS-4	Pine LIMS ID wc230830b wc240307f wc231027d WC231207A LIMS ID/Lot# Sample Type LCS	26599  Calibration reading	Date/Time 4/8/24 10:12 4/8/24 10:11 4/8/24 10:26  Date/Time  Temp. °C  17.5	<b>pH</b> S.U. 7.05	onductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS 1,412	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity NTU  1.45	Reading 1412 Reading Reading  Reading	Date/Time 4/8/24 10:50 Date/Time Date/Time



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

			T  - : - : - : - / - \ .	Tracy Carroll			4/1	0/2024
Field Meter ID:	Pine	26599	Technician(s):	Tracy Carron	/Payton Yoch	Date:	4/9	9/2024
pH Standards	LIMS ID	Calibration reading	Date/Time	C	onductivity Standard	LIMS ID	Reading	Date/Tim
4.0 Buffer	wc230830b	4.02	4/9/24 8:40		1,412 μS Std.	95009	1412	4/9/24 8:
7.0 Buffer	wc240307f	7.03	4/9/24 8:39		1,412 μ3 3τα.	33003	1412	4/3/240.
10.0 Buffer	wc231027d	10.01	4/9/24 8:43		Turbidity Standard	LIMS ID	Reading	Date/Tim
LCS/CCV (7.0 Buffer)	WC231207A	10.01	1757210115		0 NTU (DI Water)	1	0.25	4/9/24 8:
203, 001 (7.0 34.10.7)	Welsilon				124 NTU	95834	0.23	1,3,210.
ORP Standard	LIMS ID/Lot#	Reading	Date/Time		D.O. Saturation	LIMS ID/Lot#	Reading	Date/Tim
					100%	N/A		
			Temp.	рН	Conductivity	Turbidity	ORP	D.O.
Sample ID	Sample Type	Date/Time	°C	S.U.	μS	NTU	mV	%
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:								
Comments:	Pine	26599	Technician(s):	Tracy Carroll	/Payton Yoch	Date:	4/1	.0/2024
Field Meter ID:						_		
Field Meter ID:	LIMS ID	Calibration reading	Date/Time		onductivity Standard	LIMS ID	Reading	Date/Tim
Field Meter ID:  pH Standards  4.0 Buffer	LIMS ID wc230830b	Calibration reading 4.00	Date/Time 4/10/24 9:09			_		Date/Tim
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer	LIMS ID wc230830b wc240307f	Calibration reading 4.00 7.02	Date/Time 4/10/24 9:09 4/10/24 9:07		onductivity Standard 1,412 μS Std.	LIMS ID 95009	Reading 1412	Date/Tim 4/10/24 9
Field Meter ID:  pH Standards  4.0 Buffer	LIMS ID wc230830b	Calibration reading 4.00	Date/Time 4/10/24 9:09		onductivity Standard	LIMS ID	Reading	Date/Tin 4/10/24 9 Date/Tin
Field Meter ID:  pH Standards  4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc230830b wc240307f wc231027d	Calibration reading 4.00 7.02	Date/Time 4/10/24 9:09 4/10/24 9:07		nductivity Standard 1,412 μS Std. Turbidity Standard	LIMS ID 95009	Reading 1412 Reading	Date/Tim 4/10/24 9 Date/Tim
Field Meter ID:  pH Standards  4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc230830b wc240307f wc231027d WC231207A	Calibration reading 4.00 7.02	Date/Time 4/10/24 9:09 4/10/24 9:07		onductivity Standard 1,412 μS Std. Turbidity Standard 0 NTU (DI Water)	LIMS ID 95009 LIMS ID	Reading 1412 Reading	Date/Tim
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	LIMS ID wc230830b wc240307f wc231027d	Calibration reading 4.00 7.02 10.00	Date/Time 4/10/24 9:09 4/10/24 9:07 4/10/24 9:12		onductivity Standard 1,412 μS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU	LIMS ID 95009 LIMS ID 1 95834	Reading 1412 Reading 1.1	Date/Tin 4/10/24 9 Date/Tin 4/10/24 9
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard	LIMS ID wc230830b wc240307f wc231027d WC231207A LIMS ID/Lot#	Calibration reading 4.00 7.02 10.00 Reading	Date/Time 4/10/24 9:09 4/10/24 9:07 4/10/24 9:12		onductivity Standard 1,412 μS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU D.O. Saturation	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot#	Reading 1412 Reading 1.1	Date/Tim 4/10/24 9 Date/Tim 4/10/24 9
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	LIMS ID wc230830b wc240307f wc231027d WC231207A	Calibration reading 4.00 7.02 10.00	Date/Time 4/10/24 9:09 4/10/24 9:07 4/10/24 9:12 Date/Time	Ca	nductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU D.O. Saturation 100%	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot#  N/A	Reading 1412 Reading 1.1	Date/Tim 4/10/24 9 Date/Tim 4/10/24 9
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard	LIMS ID wc230830b wc240307f wc231027d WC231207A LIMS ID/Lot#	Calibration reading 4.00 7.02 10.00 Reading	Date/Time 4/10/24 9:09 4/10/24 9:07 4/10/24 9:12  Date/Time  Temp.	рН	onductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU D.O. Saturation 100%  Conductivity	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot#  N/A  Turbidity	Reading 1412 Reading 1.1 Reading ORP	Date/Tin 4/10/24 9  Date/Tin 4/10/24 9  Date/Tin Date/Tin D.O.
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard  Sample ID	LIMS ID wc230830b wc240307f wc231027d WC231207A LIMS ID/Lot#	Calibration reading 4.00 7.02 10.00  Reading  Date/Time	Date/Time 4/10/24 9:09 4/10/24 9:07 4/10/24 9:12  Date/Time  Temp. °C	pH S.U.	Turbidity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity NTU	Reading 1412 Reading 1.1 Reading ORP	Date/Tim 4/10/24 9  Date/Tim 4/10/24 9  Date/Tim Date/Tim
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard  Sample ID  LCS-6	LIMS ID wc230830b wc240307f wc231027d WC231207A LIMS ID/Lot#  Sample Type LCS	Calibration reading 4.00 7.02 10.00  Reading  Date/Time 4/10/24 9:22	Date/Time 4/10/24 9:09 4/10/24 9:07 4/10/24 9:12  Date/Time  Temp. °C  16.7	<b>рн</b> S.U. 7.07	Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS 1,412	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity NTU 1.1	Reading 1412 Reading 1.1 Reading ORP mV	Date/Tim 4/10/24 9  Date/Tim 4/10/24 9  Date/Tim Date/Tim



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



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

E: 1 1 4 4					6 9050A - SM 2510 B			
Field Meter ID:	Pine	218083	Technician(s):	Brett	Gillihan	Date:	4/4	1/2024
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	WC230830B	4.01	4/4/24 9:22		1,412 μS Std.	95009	1415	4/4/24 9:26
7.0 Buffer	WC240307F	7.03	4/4/24 9:11			•		
10.0 Buffer	WC231007D	10.04	4/4/24 9:25		<b>Turbidity Standard</b>	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	WC231207A				0 NTU (DI Water)	1	0.1	4/4/24 9:2
					124 NTU	95834		
ORP Standard	LIMS ID/Lot#	Reading	Date/Time		D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
L					100%	N/A		
Sample ID	Sample Type	Date/Time	Temp.	рН	Conductivity	Turbidity	ORP	D.O.
Sumple 15	Sample Type	2010, 1	°C	S.U.	μS	NTU	mV	%
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		
Field Meter ID:	Pine	218083	Technician(s):	just	in colp	Date:	4/8	3/2024
_			• • •			=		
Field Meter ID: _ pH Standards 4.0 Buffer	Pine LIMS ID wc230830B	218083  Calibration reading 4.01	Technician(s):		tin colp Conductivity Standard 1,412 µS Std.	Date: _ LIMS ID 95009	4/8 Reading 1409	Date/Time
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
<b>pH Standards</b> 4.0 Buffer	LIMS ID wc230830B	Calibration reading 4.01	Date/Time 4/8/24 10:43		Conductivity Standard 1,412 µS Std.	LIMS ID 95009	Reading	Date/Time 4/8/24 10:4
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc230830B wc240307F	Calibration reading 4.01 7.01	Date/Time 4/8/24 10:43 4/8/24 10:42		Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water)	LIMS ID 95009 LIMS ID	Reading 1409	Date/Time 4/8/24 10:4 Date/Time
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc230830B wc240307F WC231007D	Calibration reading 4.01 7.01	Date/Time 4/8/24 10:43 4/8/24 10:42		Conductivity Standard 1,412 µS Std.	LIMS ID 95009	Reading 1409 Reading	Date/Time 4/8/24 10:4 Date/Time
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	LIMS ID wc230830B wc240307F WC231007D WC231207A	Calibration reading 4.01 7.01 10.00	Date/Time 4/8/24 10:43 4/8/24 10:42 4/8/24 10:46		Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU	LIMS ID 95009  LIMS ID 1 95834	Reading 1409 Reading 0.13	Date/Time 4/8/24 10:4 Date/Time 4/8/24 10:4
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc230830B wc240307F WC231007D	Calibration reading 4.01 7.01	Date/Time 4/8/24 10:43 4/8/24 10:42		Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water)	LIMS ID 95009 LIMS ID	Reading 1409 Reading	Date/Time 4/8/24 10:4 Date/Time 4/8/24 10:4
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	LIMS ID wc230830B wc240307F WC231007D WC231207A	Calibration reading 4.01 7.01 10.00	Date/Time 4/8/24 10:43 4/8/24 10:42 4/8/24 10:46  Date/Time	,	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot#  N/A	Reading 1409 Reading 0.13	Date/Time 4/8/24 10:4  Date/Time 4/8/24 10:4
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	LIMS ID wc230830B wc240307F WC231007D WC231207A	Calibration reading 4.01 7.01 10.00	Date/Time 4/8/24 10:43 4/8/24 10:42 4/8/24 10:46		Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot#	Reading 1409 Reading 0.13	Date/Time 4/8/24 10:4 Date/Time 4/8/24 10:4
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer) ORP Standard	LIMS ID wc230830B wc240307F WC231007D WC231207A LIMS ID/Lot#	Calibration reading 4.01 7.01 10.00  Reading	Date/Time 4/8/24 10:43 4/8/24 10:42 4/8/24 10:46  Date/Time  Temp.	рН	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity	LIMS ID 95834 LIMS ID/Lot# N/A Turbidity	Reading 1409 Reading 0.13 Reading	Date/Time 4/8/24 10:4  Date/Time 4/8/24 10:4  Date/Time
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard  Sample ID	LIMS ID wc230830B wc240307F WC231007D WC231207A LIMS ID/Lot#	Calibration reading 4.01 7.01 10.00  Reading  Date/Time	Date/Time  4/8/24 10:43  4/8/24 10:42  4/8/24 10:46  Date/Time  Temp. °C	pH S.U.	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS	UMS ID 95009  LIMS ID 1 95834  UMS ID/Lot# N/A  Turbidity NTU	Reading 1409 Reading 0.13 Reading	Date/Time 4/8/24 10:4  Date/Time 4/8/24 10:4  Date/Time

### 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):	just	in colp	Date:	4/	4/9/2024	
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time	
4.0 Buffer	wc230830B	4.01	4/9/24 9:03		1,412 µS Std.	95009	1405	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		<b>Turbidity Standard</b>	LIMS ID	Reading	Date/Time	
LCS/CCV (7.0 Buffer)	WC231207A				0 NTU (DI Water)	1	0.17	4/9/24 9:03	
<u>-</u>		•			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.	рН	Conductivity	Turbidity	ORP	D.O.	
Sample ID	Sample Type	Dute, Time	°C	S.U.	μS	NTU	mV	%	
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: _									
_		218083	Technician(s):	just	in colp	Date:	4/1	.0/2024	
Field Meter ID:	Pine		_	-		-			
_		218083  Calibration reading 3.98	Date/Time	-	Conductivity Standard	Date:	4/1 Reading 1406	.0/2024 Date/Time 4/10/24 9:4	
Field Meter ID:	Pine LIMS ID	Calibration reading	_	-		LIMS ID	Reading	Date/Time	
Field Meter ID: _ pH Standards 4.0 Buffer	Pine LIMS ID wc230830B	Calibration reading 3.98	Date/Time 4/10/24 9:29	-	Conductivity Standard	LIMS ID	Reading	Date/Time 4/10/24 9:4	
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	Pine  LIMS ID  wc230830B  wc240307F	Calibration reading 3.98 7.01	Date/Time 4/10/24 9:29 4/10/24 9:22	-	Conductivity Standard 1,412 μS Std. Turbidity Standard 0 NTU (DI Water)	LIMS ID 95009 LIMS ID	Reading 1406	Date/Time 4/10/24 9:4 Date/Time	
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	Pine  LIMS ID  wc230830B  wc240307F  WC231007D	Calibration reading 3.98 7.01	Date/Time 4/10/24 9:29 4/10/24 9:22	-	Conductivity Standard 1,412 μS Std. Turbidity Standard	LIMS ID 95009 LIMS ID	Reading 1406 Reading	Date/Time	
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	Pine LIMS ID wc230830B wc240307F WC231007D WC231207A	Calibration reading 3.98 7.01 9.99	Date/Time 4/10/24 9:29 4/10/24 9:22 4/10/24 9:38	-	Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU	LIMS ID 95009 LIMS ID 1 95834	Reading 1406 Reading 0.23	Date/Time 4/10/24 9:4 Date/Time 4/10/24 9:4	
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	Pine  LIMS ID  wc230830B  wc240307F  WC231007D	Calibration reading 3.98 7.01	Date/Time 4/10/24 9:29 4/10/24 9:22	-	Conductivity Standard 1,412 μS Std. Turbidity Standard 0 NTU (DI Water)	LIMS ID 95009 LIMS ID	Reading 1406 Reading	Date/Time 4/10/24 9:2 Date/Time 4/10/24 9:2	
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	Pine LIMS ID wc230830B wc240307F WC231007D WC231207A	Calibration reading 3.98 7.01 9.99	Date/Time 4/10/24 9:29 4/10/24 9:22 4/10/24 9:38  Date/Time	(	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot#  N/A	Reading 1406 Reading 0.23	Date/Time 4/10/24 9:4  Date/Time 4/10/24 9:4  Date/Time	
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer .CS/CCV (7.0 Buffer)	Pine LIMS ID wc230830B wc240307F WC231007D WC231207A	Calibration reading 3.98 7.01 9.99	Date/Time 4/10/24 9:29 4/10/24 9:22 4/10/24 9:38  Date/Time  Temp.	рН	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity	Reading 1406 Reading 0.23 Reading	Date/Time 4/10/24 9:4  Date/Time 4/10/24 9:4  Date/Time	
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard	Pine LIMS ID wc230830B wc240307F WC231007D WC231207A LIMS ID/Lot#	Calibration reading 3.98 7.01 9.99 Reading	Date/Time 4/10/24 9:29 4/10/24 9:22 4/10/24 9:38  Date/Time	(	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot#  N/A	Reading 1406 Reading 0.23	Date/Time 4/10/24 9:4  Date/Time 4/10/24 9:4	
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer .CS/CCV (7.0 Buffer)  ORP Standard  Sample ID	Pine LIMS ID wc230830B wc240307F WC231007D WC231207A LIMS ID/Lot#	Calibration reading 3.98 7.01 9.99  Reading  Date/Time	Date/Time 4/10/24 9:29 4/10/24 9:22 4/10/24 9:38  Date/Time  Temp. °C	<b>pH</b> S.U.	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS	LIMS ID 95009  LIMS ID 1 1 95834  LIMS ID/Lot# N/A  Turbidity NTU	Reading 1406 Reading 0.23 Reading	Date/Time 4/10/24 9:4  Date/Time 4/10/24 9:4  Date/Time	
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer .CS/CCV (7.0 Buffer)  ORP Standard  Sample ID  LCS-12	LIMS ID wc230830B wc240307F WC231007D WC231207A LIMS ID/Lot# Sample Type LCS	Calibration reading 3.98 7.01 9.99  Reading  Date/Time 4/10/24 9:49	Date/Time 4/10/24 9:29 4/10/24 9:22 4/10/24 9:38  Date/Time  Temp. °C  15.8	<b>рн</b> S.U. 7.01	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS 1,409	LIMS ID 95009  LIMS ID 1 1 95834  LIMS ID/Lot# N/A  Turbidity NTU 0.23	Reading 1406 Reading 0.23 Reading	Date/Time 4/10/24 9:4  Date/Time 4/10/24 9:4  Date/Time	





#### Pine Environmental Services LLC

11669 Lilburn Park Rd. St. Louis, MO 63146 Office: 314.344.1079

# Pine Environmental Services, Inc.

Instrument ID 26599
Description YSI ProDSS

Calibrated 3/25/2024 12:25:29PM

Group N	oup # 5 Name Disolved	The state of the s		Range Acc Reading Acc	% 3.0000		
Stated Accy Pct of Reading				Plus/Minus 0.0			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	96.9	99.3	-0.70%	Pass

Test Instruments	Used During the Calibration	ration			(As Of Cal Entry Date)
Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Next Cal Date / Last Cal Date / Expiration Date Opened Date
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



## 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 15H101893

Number

Location St. Louis

.....

State Certified

Status Pass

Temp °C 22.2

Humidity % 43

Departme	ent						
		Calib	ration Specific	eations			
Group 1	oup # 1 Name PH Accy Pct of Re	eading		Range Acc % Reading Acc % Plus/Minus	3.0000		
Nom In Val / In Val 7.00 / 7.00 4.00 / 4.00 10.00 / 10.00	In Type PH PH PH	Out Val 7.00 4.00 10.00	Out Type PH PH PH	Fnd As 7.25 4.31 10.15	7.02 4.00 10.05	Dev% 0.29% 0.00% 0.50%	Pass/Fail Pass Pass Pass
Group I	oup # 2 Name Turbidity Accy Pct of Re			Range Acc % Reading Acc % Plus/Minus	3.0000		
Nom In Val / In Val 0.00 / 0.00 124.00 / 124.00	In Type NTU NTU	Out Val 0.00 124.00	Out Type NTU NTU	Fnd As 0.36 118.31	Lft As 0.00 124.00	<u>Dev%</u> 0.00% 0.00%	Pass/Fail Pass Pass
Group N	oup # 3 Name Conducti Accy Pet of Re	vity eading		Range Acc % Reading Acc % Plus/Minus	3.0000		
Nom In Val / In Val 1.413 / 1.413	In Type ms/cm	Out Val 1,413	Out Type ms/cm	Fnd As 1,469	Lft As 1,413	<u>Dev%</u> 0.00%	Pass/Fai Pass
Group N	oup # 4 Name Redox (C Accy Pct of Re			Range Acc % Reading Acc % Plus/Minus	3.0000		
Nom In Val / In Val 240.0 / 240.0	In Type mv	Out Val 240.0	Out Type mv	Fnd As 224.4	Lft As 240.0	<u>Dev%</u> 0,00%	Pass/Fail Pass
Group N	oup # 5 Name Disolved Accy Pet of Re	Oxygen Span eading Out Val	Out Type	Range Acc % Reading Acc % Plus/Minus Fnd As	3.0000	Dev%	Pass/Fail



# 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

Gre	Range Acc %							
Group Name Dissolved Oxygen Span				Reading Acc % 3,0000				
Stated Accy Pct of Reading				Plus/Minus				
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 Instrumen	ts Used During the Calib	oration			(As Of Cal Entry Date)
Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Expiration Date Opened 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
TL PH4 #3GH0675	STL pH4 L#3GH0675	AquaPhoenix Scientific	pH 4	3GH0675	8/25/2025
TL PH7 _#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



### 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 23F102674

Number

Location St. Louis

Department

State Certified

Status Pass

Temp °C 22.2

Humidity % 43

		Calil	oration Specific	ations			
Gr	oup # 1			Range Acc %	0.0000		
Group	Name PH			Reading Acc %	3.0000		
Stated	Accy Pct of R	eading.		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
G	roup# 2			Range Acc %	0.0000		
Group	Name Turbidit	y (NTU)		Reading Acc %	3.0000		
State	d Accy Pct of R	eading		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
G	roup# 3			Range Acc %	0.0000		
Group	Name Conduct	tivity		Reading Acc %	3.0000		
State	d Accy Pct of R	eading		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
Gr	oup# 4			Range Acc %	0.0000		
Group 1	Name Redox (C	ORP)		Reading Acc %	3,0000		
Stated	Accy Pct of Re	ading		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
Gro	up# 5			Range Acc %	0.0000		
Group N	ame Dissolved	Oxygen Span		Reading Acc %			
	Accy Pct of Rea			Plus/Minus			
om In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fa



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 TNI TNI TNI

 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**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24061026 Client Project: NEW-24Q3 Report Date: 06-Sep-24

### This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	52
Quality Control Results	53
Receiving Check List	161
Chain of Custody	Appended



#### **Definitions**

http://www.teklabinc.com/

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**

http://www.teklabinc.com/

Work Order: 24061026 Client: Ramboll Client Project: NEW-24Q3 Report Date: 06-Sep-24

## Qualifiers

- # Unknown hydrocarbon
- RL shown is a Client Requested Quantitation Limit
- H Holding times exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
  - Spike Recovery outside recovery limits
  - X Value exceeds Maximum Contaminant Level

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)



## **Case Narrative**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24061026
Client Project: NEW-24Q3 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	Springfield			Kansas City
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com
	Collinsville Air		Chicago		
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.		
	Collinsville, IL 62234-7425		Downers Grove, IL 60515		
Phone	(618) 344-1004	Phone	(630) 324-6855		
Fax	(618) 344-1005	Fax			
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com		

# **Accreditations**

http://www.teklabinc.com/

Report Date: 06-Sep-24

Client: Ramboll Work Order: 24061026 Client Project: NEW-24Q3

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	



NEW-257-501 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

Pate   Pate						in Butter ()	, 00, 202			
Depth to water from measuring point ' 0 0 0 7,75	Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 18TH ED. 2580 B FIELD	FIELD ELEVATION MEASURE	MENTS								
Turbidity	Depth to water from measuring poi	int *	0	0		7.75	ft	1	07/08/2024 12:11	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD	STANDARD METHODS 2130 B	B FIELD								
STANDARD METHODS 2510 B FIELD   Space Conductance, Field   " 0 0 0 0 3934   µS/cm   1 07/08/2024 12:11 R350256	Turbidity	*	1.0	1.0		57	NTU	1	07/08/2024 12:11	R350256
STANDARD METHODS 2510 B FIELD   Spec. Conductance, Field   " 0 0 0   31,2   "C 1 07/08/2024 12:11 R350256   STANDARD METHODS 2550 B FIELD   STANDARD METHODS 2550 B FIELD   STANDARD METHODS 4500-0 G FIELD   STANDARD METHODS 4500-0 G FIELD   STANDARD METHODS 4500-0 G FIELD   STANDARD METHODS 4500-0 G FIELD   STANDARD METHODS 2520 B (TOTAL) 1997, 2011   STANDARD METHODS 2320 B (TOTAL) 1997, 2011   STANDARD METHODS 2320 B (TOTAL) 1997, 2011   STANDARD METHODS 2320 B (TOTAL) 1997, 2011   STANDARD METHODS 2320 B 1997, 2011   STANDARD METHODS 2320 B 1997, 2011   STANDARD METHODS 2320 B 1997, 2011   STANDARD METHODS 2320 B 1997, 2011   STANDARD METHODS 2320 B 1997, 2011   STANDARD METHODS 2320 B 1997, 2011   STANDARD METHODS 2540 C (TOTAL) 1997, 2011   STANDARD METHODS 2540 C (TOTA	STANDARD METHODS 18TH B	ED. 2580 B FII	ELD							
Spec. Conductance, Field	Oxidation-Reduction Potential	*	-300	-300		84	mV	1	07/08/2024 12:11	R350256
STANDARD METHODS 2550 B FIELD   * 0 0 0   31.2 °C 1 07/08/2024 12:11 R350256   STANDARD METHODS 4500-0 G FIELD	<b>STANDARD METHODS 2510 B</b>	FIELD								
Temperature	Spec. Conductance, Field	*	0	0		934	μS/cm	1	07/08/2024 12:11	R350256
STANDARD METHODS 4500-0 G FIELD	STANDARD METHODS 2550 B	FIELD								
Consider   Consider	Temperature	*	0	0		31.2	°C	1	07/08/2024 12:11	R350256
SW-846 9040B FIELD	STANDARD METHODS 4500-0	G FIELD								
Description	Oxygen, Dissolved	*	0	0		0.98	mg/L	1	07/08/2024 12:11	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011   STANDARD METHODS 2320 B 1997, 2011   STANDARD METHODS 2320 B 1997, 2011   STANDARD METHODS 2320 B 1997, 2011   STANDARD METHODS 2320 B 1997, 2011   STANDARD METHODS 2320 B 1997, 2011   STANDARD METHODS 2320 B 1997, 2011   STANDARD METHODS 2540 C (TOTAL) 1997, 2011   Total Dissolved Solids   NELAP   16   20   622   mg/L   1   07/10/2024 11:57   R349993   STANDARD METHODS 2540 C (TOTAL) 1997, 2011   Total Dissolved Solids   NELAP   31   50   130   mg/L   5   07/09/2024 12:17   R349910   SW-846 9036 (TOTAL)   SW-846 9036 (TOTAL)   SW-846 9214 (TOTAL)   SW-846 9214 (TOTAL)   SW-846 9214 (TOTAL)   SW-846 9214 (TOTAL)   SW-846 9214 (TOTAL)   SW-846 9214 (TOTAL)   SW-846 905A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS B	SW-846 9040B FIELD									
Alkalinity, Bicarbonate (as CaCO3)   NELAP   0   0   0   0   0   mg/L   1   07/10/2024 11:19   R349993	pH	*	0	1.00		6.89		1	07/08/2024 12:11	R350256
STANDARD METHODS 2320 B 1997, 2011		•	7, 2011							
Rikalinity, Carbonate (as CaCO3)   NELAP   0   0   0   mg/L   1   07/10/2024 11:19   R349993	Alkalinity, Bicarbonate (as CaCO3)	) NELAP	0	0		414	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   R346 9036 (TOTAL)   SW-846 9036 (TOTAL)   SUlfate   NELAP   31   50   130   mg/L   5   07/09/2024 12:17   R349911   R349		3 1997, 2011								
Total Dissolved Solids	Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	07/10/2024 11:19	R349993
Surfate   NELAP   31   50   130   mg/L   5   07/09/2024 12:17   R349911	STANDARD METHODS 2540 C	(TOTAL) 199	7, 2011							
Sulfate   NELAP   31   50   130   mg/L   5   07/09/2024 12:17   R349911	Total Dissolved Solids	NELAP	16	20		622	mg/L	1	07/09/2024 11:57	R349980
SW-846 9214 (TOTAL)	-									
SW-846 9251 (TOTAL)   Chloride   NELAP   0.04   0.10   0.24   mg/L   1   07/10/2024 12:06   R349987	Sulfate	NELAP	31	50		130	mg/L	5	07/09/2024 12:17	R349911
SW-846 9251 (TOTAL)   Chloride   NELAP   1   4   10   mg/L   1   07/09/2024 12:11   R349943	-									
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           Sodium         NELAP         0.018         0.050         67.3         mg/L         1         07/09/2024 14:59         224960           Sodium         NELAP         0.018         0.050         67.3         mg/L         5         08/05/2024 20:41         226609           SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)         TOTAL         5         07/10/2024 15:37         224960           Arsenic         NELAP         0.4         1.0         J         0.5	Fluoride	NELAP	0.04	0.10		0.24	mg/L	1	07/10/2024 12:06	R349987
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 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>										
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	Chloride	NELAP	1	4		10	mg/L	1	07/09/2024 12:11	R349943
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)         Description         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           Chromium         * <td></td> <td>-</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		-	-							
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							_			
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	ŭ						_			
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							_			
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         0.6         1.0         < 1.0         μg/L         5         07/10/2024 15:37         224960           Lead         NELAP         0.6         1.5         J         1.1         μg/				0.050		67.3	mg/L	1	07/09/2024 14:59	ZZ490U
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				1.0		0.5	ug/l	F	00/05/0004 00:44	226560
Barium         NELAP         0.7         1.0         114         μg/L         5         07/10/2024 15:37         224960           Beryllium         NELAP         0.2         1.0         < 1.0	•				J					
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					J					
Boron         NELAP         9.2         25.0         469         μg/L         5         07/10/2024 15:37         224960           Cadmium         *         0.2         1.0         < 1.0										
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										
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										
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		NELAP			J					
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	Cobalt	NELAP	0.1							
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	Lead	NELAP	0.6	1.0		< 1.0		5	07/10/2024 15:37	224960
Selenium 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
• • • • • • • • • • • • • • • • • • • •	•				J					
Thallium NELAP 1.0 2.0 <b>&lt; 2.0</b> 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

NEW-257-501 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

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



NEW-257-501 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

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Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREM	MENTS								
Depth to water from measuring poin	nt *	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
<b>STANDARD METHODS 18TH E</b>	D. 2580 B FII	ELD							
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		7, 2011							
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		538	mg/L	1	07/10/2024 11:05	R349993
STANDARD METHODS 2320 B	, -								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	07/10/2024 11:05	R349993
STANDARD METHODS 2540 C	•	7, 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, METAL	-	-							
Calcium	NELAP	0.035	0.100		227	mg/L	1	07/09/2024 15:00	
Magnesium	NELAP	0.006	0.050		175	mg/L	1	07/09/2024 15:00	
Potassium	NELAP	0.040	0.100		1.78	mg/L	1	07/09/2024 15:00 07/09/2024 15:00	
Sodium	NELAP C DV ICDMC	0.018	0.050		107	mg/L	1	07/09/2024 15:00	224900
SW-846 3005A, 6020A, METAL	NELAP	(101AL) 0.4	1.0		2.1	μg/L	5	07/10/2024 15:42	224960
Antimony Arsenic	NELAP	0.4	1.0	.I	0.6	μg/L μg/L	5	07/10/2024 15:42	
Barium	NELAP	0.4	1.0	J	24.9	μg/L	5	07/10/2024 15:42	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	07/10/2024 15:42	
Boron	NELAP	9.2	25.0		27.0	μg/L	5	07/10/2024 15:42	
Cadmium	*	0.2	1.0		< 1.0	μg/L	5	07/10/2024 15:42	
Chromium	NELAP	0.7	1.5		2.6	μg/L	5	07/11/2024 11:01	
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	
Molybdenum	NELAP	0.6	1.5	J	1.0	μg/L	5	07/10/2024 15:42	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L 	5	07/10/2024 15:42	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	07/10/2024 15:42	224960



NEW-257-501 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

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



NEW-257-501 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

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Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring po	oint *	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 FIE	LD							
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									
рН	*	0	1.00		7.60		1	07/02/2024 10:13	R350256
STANDARD METHODS 2320	B (TOTAL) 1997	7, 2011							
Alkalinity, Bicarbonate (as CaCO3	B) 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	7, 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	interferen	ice.					
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, META	LS BY ICP (TO	TAL)							
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, META	LS 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	
Cadmium	*	0.2	1.0		< 1.0	μg/L	5	07/05/2024 22:02	
Chromium	NELAP	0.7	1.5	J	0.8	μg/L	5	07/05/2024 22:02	
Cobalt	NELAP	0.1	1.0	J	0.3	μg/L "	5	07/05/2024 22:02	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	07/05/2024 22:02	
Lithium	*	1.4	3.0		9.5	μg/L	5	07/05/2024 22:02	
Molybdenum	NELAP	0.6	1.5		9.1	μg/L	5	07/08/2024 9:31	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	07/05/2024 22:02	
Thallium	NELAP	1.0	2.0	J	1.1	μg/L	5	07/05/2024 22:02	220284



NEW-257-501 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

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

Report Date: 06-Sep-24



Client Project: NEW-24Q3

Client: Ramboll Work Order: 24061026

Lab ID: 24061026-009 Client Sample ID: APW06

							1021202	-	
Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	EMENTS								
Depth to water from measuring po	oint *	0	0		19.36	ft	1	07/02/2024 12:26	R350256
<b>STANDARD METHODS 2130</b>	B FIELD								
Turbidity	*	1.0	1.0		160	NTU	1	07/02/2024 12:26	R350256
STANDARD METHODS 18TH	ED. 2580 B FI	ELD							
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 I	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 I	B (TOTAL) 199	7, 2011							
Alkalinity, Bicarbonate (as CaCO3	3) NELAP	0	0		445	mg/L	1	07/03/2024 9:49	R349737
STANDARD METHODS 2320 I	•								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	07/03/2024 9:49	R349737
STANDARD METHODS 2540	C (TOTAL) 199	7, 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, META		-							
Calcium	NELAP	0.035	0.100		56.6	mg/L	1	07/08/2024 16:37	
Magnesium	NELAP	0.006	0.050		25.6	mg/L	1	07/08/2024 16:37	
Potassium	NELAP	0.040	0.100		1.46	mg/L	1	07/08/2024 16:37	
Sodium	NELAP	0.018	0.050		114	mg/L	1	07/08/2024 16:37	225284
SW-846 3005A, 6020A, META			4.0	,	0.0	//	_	07/00/0004 7 50	225204
Antimony Arsenic	NELAP NELAP	0.4 0.4	1.0 1.0	J	0.8 10.7	μg/L	5 5	07/09/2024 7:58 07/05/2024 22:08	
Barium	NELAP	0.4	1.0		234	μg/L μg/L	5 5	07/05/2024 22:08	
Beryllium	NELAP	0.7	1.0	J	0.3	μg/L μg/L	5	07/05/2024 22:08	
Boron	NELAP	9.2	25.0	J	70.2	μg/L μg/L	5	07/05/2024 22:08	
Cadmium	*	0.2	1.0		< 1.0	μg/L	5	07/05/2024 22:08	
Chromium	NELAP	0.7	1.5	J	1.0	μg/L	5	07/05/2024 22:08	
Cobalt	NELAP	0.1	1.0	J	0.8	μg/L	5	07/05/2024 22:08	
Lead	NELAP	0.6	1.0	J	0.7	μg/L	5	07/05/2024 22:08	
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	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	07/05/2024 22:08	225284

NEW-257-501 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

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



Client Project: NEW-24Q3

NEW-257-501 http://www.teklabinc.com/

Report Date: 06-Sep-24

Client: Ramboll Work Order: 24061026

Lab ID: 24061026-010 Client Sample ID: APW07

						n Bate. 07	, - , -	_	
Analyses	Certification	n MDL	$\mathbf{RL}$	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREM	MENTS								
Depth to water from measuring poin	nt *	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 E	D. 2580 B FII	ELD							
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	•	7, 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 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, METAL	-	-							
Calcium	NELAP	0.035	0.100		95.9	mg/L	1	07/08/2024 16:39	
Magnesium	NELAP	0.006	0.050		36.3	mg/L	1	07/08/2024 16:39	
Potassium	NELAP	0.040	0.100		1.90	mg/L	1	07/08/2024 16:39	
Sodium	NELAP	0.018	0.050		100	mg/L	1	07/08/2024 16:39	223204
SW-846 3005A, 6020A, METAL			1.0	,	0.5	ua/I	E	07/09/2024 8:02	225204
Antimony Arsenic	NELAP NELAP	0.4 0.4	1.0 1.0	J	0.5 14.3	μg/L μg/L	5 5	07/05/2024 22:14	
Barium	NELAP	0.4	1.0		14.3 486	μg/L μg/L	5	07/05/2024 22:14	
Beryllium	NELAI	0.7	1.0		< 1.0	μg/L	5	07/05/2024 22:14	
Boron	NELAP	9.2	25.0		76.9	μg/L	5	07/05/2024 22:14	
Cadmium	*	0.2	1.0		< 1.0	μg/L	5	07/05/2024 22:14	
Chromium	NELAP	0.7	1.5		2.3	μg/L	5	07/08/2024 9:42	
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	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	07/05/2024 22:14	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	07/05/2024 22:14	225284



NEW-257-501 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

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



NEW-257-501 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

PIELD ELEVATION MEASUREMENTS   0 0 0 37.85	Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Depth to water from measuring point	FIELD ELEVATION MEASURE	MENTS							•	
Transpart   Tran			0	0		37.85	ft	1	07/09/2024 13:15	R350256
STANDARD METHODS 18TH ED. 2580 B FIELD	STANDARD METHODS 2130 E	B FIELD								
Oxidation-Reduction Potential   *	Turbidity	*	1.0	1.0		8.7	NTU	1	07/09/2024 13:15	R350256
STANDARD METHODS 2510 B FIELD   File   Conductance, Field   Color   Conductance, Field   Color   Conductance, Field   Color	STANDARD METHODS 18TH E	D. 2580 B FIE	LD							
Speciclo Conductance, Field	Oxidation-Reduction Potential	*	-300	-300		-32	mV	1	07/09/2024 13:15	R350256
STANDARD METHODS 2550 B FIELD   Temperature   0 0 0 15.2 °C 1 07/09/2024 13:15 R350256	<b>STANDARD METHODS 2510 B</b>	FIELD								
Temperature	Spec. Conductance, Field	*	0	0		1090	μS/cm	1	07/09/2024 13:15	R350256
STANDARD METHODS 4500-0 G FIELD	STANDARD METHODS 2550 B	FIELD								
Chargen, Dissolved   *	Temperature	*	0	0		15.2	°C	1	07/09/2024 13:15	R350256
SW-846 9040B FIELD	STANDARD METHODS 4500-0	G FIELD								
PH	Oxygen, Dissolved	*	0	0		0.15	mg/L	1	07/09/2024 13:15	R350256
STANDARD METHODS 2320 B (TOTAL) 1997, 2011   Alkalinity, Bicarbonate (as CaCO3)   NELAP   0   0   0   0   mg/L   1   07/11/2024 11:59   R350050	SW-846 9040B FIELD									
Alkalinity, Bicarbonate (as CaCO3)   NELAP   0   0   0   496   mg/L   1   07/11/2024 11:59   R350050	рН	*	0	1.00		7.33		1	07/09/2024 13:15	R350256
STANDARD METHODS 2320 B 1997, 2011   Alkalinity, Carbonate (as CaCO3)   NELAP   0   0   0   mg/L   1   07/11/2024 11:59   R350050	<b>STANDARD METHODS 2320 B</b>	(TOTAL) 1997	, <b>2011</b>							
Alkalinity, Carbonate (as CaCO3)   NELAP   0   0   0   mg/L   1   07/11/2024 11:59   R350050	Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		496	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 11:33   R350044   SW-846 9251 (TOTAL)   SW-846 9251 (TOTAL)   SW-846 9251 (TOTAL)   SW-846 9251 (TOTAL)   SW-846 9050   NELAP   1   8   54   mg/L   2   07/12/2024 16:39   R350172   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-846 3005A, 6020A, METALS BY ICP (TOTAL)   SW-946 3005A, 6020A,	<b>STANDARD METHODS 2320 B</b>	1997, 2011								
Total Dissolved Solids	Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	07/11/2024 11:59	R350050
Sulfate   NELAP   12   20   59   mg/L   2   07/12/2024 16:40   R350166	STANDARD METHODS 2540 C	(TOTAL) 1997	, <b>2011</b>							
Sulfate   NELAP   12   20   59   mg/L   2   07/12/2024 16:40   R350166	Total Dissolved Solids	NELAP	16	20		650	mg/L	1	07/11/2024 8:37	R350125
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           Sodium         NELAP         0.4         1.0         J         0.5         μg/L         5         07/12/2024 22:54         225566           SW-846 3005A, 6020A, METALS BY ICPMS TUTAL         NELAP         0.4         1.0         J         0.5         μg/L	SW-846 9036 (TOTAL)									
Fluoride   NELAP   0.04   0.10   0.46   mg/L   1   07/11/2024 11:03   R350044	Sulfate	NELAP	12	20		59	mg/L	2	07/12/2024 16:40	R350166
SW-846 9251 (TOTAL)   Chloride   NELAP   1   8   54   mg/L   2   07/12/2024 16:39   R350172	SW-846 9214 (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         0.04         0.100         2.08         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           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           SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)         1.0	Fluoride	NELAP	0.04	0.10		0.46	mg/L	1	07/11/2024 11:03	R350044
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)   Calcium	SW-846 9251 (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           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)         USA         0.5         µg/L         5         07/12/2024 22:54         225566           SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)         USA         0.5         µg/L         5         07/12/2024 22:54         225566           SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)         USA         0.5         µg/L         5         07/12/2024 22:54         225566           Barium         NELAP         0.4         1.0         4.0         4.0         1.0         0.0         0.0	Chloride	NELAP	1	8		54	mg/L	2	07/12/2024 16:39	R350172
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)         Wellap         0.4         1.0         J         0.5         μg/L         5         07/12/2024 22:54         225566           Antimony         NELAP         0.4         1.0         J         0.5         μg/L         5         07/12/2024 22:54         225566           Arsenic         NELAP         0.4         1.0         460         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         4         1.0         μg/L         5         07/12/2024 22:54         225566           Boron         NELAP         0.2         1.0	SW-846 3005A, 6010B, METAL	S BY ICP (TO)	TAL)							
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         460         μg/L         5         07/12/2024 22:54         225566           Boron         NELAP         9.2         25.0         92.3         μg/L         5         07/12/2024 22:54         225566           Cadmium         *         0.2         1.0         J         0.7         μg/L         5         07/12/2024 22:54         225566           Chromium         NELAP	Calcium	NELAP	0.035	0.100		111	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	Magnesium	NELAP	0.006	0.050		43.8	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	Potassium	NELAP	0.040	0.100		2.08	mg/L	1	07/12/2024 10:49	225566
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	Sodium	NELAP	0.018	0.050		89.2	mg/L	1	07/12/2024 10:49	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	SW-846 3005A, 6020A, METAL	S BY ICPMS (	TOTAL)							
Barium         NELAP         0.7         1.0         460         μg/L         5         07/12/2024 22:54         225566           Beryllium         NELAP         0.2         1.0         <1.0	Antimony				J		. •	5		
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	Arsenic		0.4	1.0				5		
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										
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	-									
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		NELAP								
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		, NELAD			J					
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										
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					J					
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		*								
Selenium         NELAP         0.6         1.0         < 1.0         μg/L         5         07/12/2024 22:54         225566           Thallium         NELAP         1.0         2.0         4.0         μg/L         5         07/12/2024 22:54         225566		NFI AP								
Thallium NELAP 1.0 2.0 < 2.0 µg/L 5 07/12/2024 22:54 225566										
LOS TECOVETEU OUISIUE UDDEL CONTO HITIUS TOLEDA SAMDIE TESUIS ALE DEIOW THE TEDOMINO HIMIL DATA IS TEDOMADIE DEL THE TINI STANDAM.					elow the re					



NEW-257-501 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

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



Client Project: NEW-24Q3

NEW-257-501 http://www.teklabinc.com/

Report Date: 06-Sep-24

Client: Ramboll Work Order: 24061026

Lab ID: 24061026-012 Client Sample ID: APW09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring poi	nt *	0	0		27.29	ft	1	07/02/2024 14:19	R350256
STANDARD METHODS 2130 E	3 FIELD								
Turbidity	*	1.0	1.0		17	NTU	1	07/02/2024 14:19	R350256
STANDARD METHODS 18TH E	D. 2580 B FIEI	_D							
Oxidation-Reduction Potential	*	-300	-300		-95	mV	1	07/02/2024 14:19	R350256
STANDARD METHODS 2510 B	FIFI D								
Spec. Conductance, Field	*	0	0		1410	μS/cm	1	07/02/2024 14:19	R350256
STANDARD METHODS 2550 B	FIFI D								
Temperature	*	0	0		14.9	°C	1	07/02/2024 14:19	R350256
STANDARD METHODS 4500-0	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)		0	0		598	mg/L	1	07/03/2024 10:41	R349737
STANDARD METHODS 2320 B						J			
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	07/03/2024 10:41	R349737
STANDARD METHODS 2540 C	(TOTAL) 1997	2011				J			
Total Dissolved Solids	NELAP	40	50		790	mg/L	2.5	07/03/2024 11:13	R349790
SW-846 9036 (TOTAL)						J			
Sulfate	NELAP	31	50	J	40	mg/L	5	07/03/2024 17:35	R349714
Elevated reporting limit due to matr	ix interference.					3			
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, METAL	S BY ICP (TOT	AL)							
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, METAL	S BY ICPMS (1	OTAL)							
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	
Chromium	NELAP	0.7	1.5		2.7	μg/L	5	07/08/2024 10:45	
Cobalt	NELAP	0.1	1.0		1.2	μg/L	5	07/08/2024 10:45	
Lead	NELAP	0.6	1.0		3.5	μg/L	5	07/05/2024 22:19	
Lithium Maluk dansura	*	1.4	3.0		9.4	μg/L	5	07/05/2024 22:19	
Molybdenum	NELAP	0.6	1.5		3.6	μg/L	5	07/09/2024 8:07	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	07/05/2024 22:19	
Thallium  Contamination present in the MPLK	NELAP	1.0	2.0	a limit are	< 2.0	µg/L ho TN/ Stone	5 dard	07/05/2024 22:19	220284
Contamination present in the MBLK	. Sample results	neiow the	: reporting	ı ınınıt are i	eportable per ti	ne i ivi Stano	ıdıu.		



NEW-257-501 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

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

Report Date: 06-Sep-24



Client Project: NEW-24Q3

Client: Ramboll Work Order: 24061026

Lab ID: 24061026-013 Client Sample ID: APW10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS							•	
Depth to water from measuring po		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 FIE	LD							
Oxidation-Reduction Potential	*	-300	-300		9	mV	1	07/02/2024 13:04	R350256
<b>STANDARD METHODS 2510 E</b>	3 FIELD								
Spec. Conductance, Field	*	0	0		1580	μS/cm	1	07/02/2024 13:04	R350256
<b>STANDARD METHODS 2550 E</b>	3 FIELD								
Temperature	*	0	0		16.2	°C	1	07/02/2024 13:04	R350256
STANDARD METHODS 4500-0	O G FIELD								
Oxygen, Dissolved	*	0	0		0.27	mg/L	1	07/02/2024 13:04	R350256
SW-846 9040B FIELD									
рН	*	0	1.00		7.14		1	07/02/2024 13:04	R350256
<b>STANDARD METHODS 2320 E</b>	B (TOTAL) 1997	', <b>2011</b>							
Alkalinity, Bicarbonate (as CaCO3	B) NELAP	0	0		422	mg/L	1	07/03/2024 10:04	R349737
<b>STANDARD METHODS 2320 E</b>	3 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	', <b>2011</b>							
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, METAI	LS BY ICP (TO	ΓAL)							
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, METAI	LS BY ICPMS (	TOTAL)							
Antimony	NELAP	0.4	1.0	BJ	0.6	μg/L	5	07/05/2024 22:25	
Arsenic	NELAP	0.4	1.0		7.7	μg/L	5	07/05/2024 22:25	
Barium	NELAP	0.7	1.0		26.5	μg/L	5	07/05/2024 22:25	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	07/05/2024 22:25	
Boron	NELAP	9.2	25.0		70.2	μg/L	5	07/05/2024 22:25	
Cadmium	*	0.2	1.0		< 1.0	μg/L	5	07/05/2024 22:25	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	07/05/2024 22:25	
Cobalt Lead	NELAP NELAP	0.1 0.6	1.0 1.0	J	0.2	μg/L	5 5	07/05/2024 22:25 07/05/2024 22:25	
Lead Lithium	NELAP *	0.6 1.4	3.0		< 1.0 21.3	µg/L	5 5	07/05/2024 22:25	
Molybdenum	NELAP	0.6	3.0 1.5		6.2	μg/L μg/L	5 5	07/09/2024 22.25	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L μg/L	5	07/05/2024 0:12	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	07/05/2024 22:25	
Contamination present in the MBL				g limit are				0110012024 ZZ.ZU	
Contamination production the MDL	ra Gampio results	SOLOW UIT	, oporang	, are i	sportable per ti	TIVI OIGII	aara.		



NEW-257-501 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

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



NEW-257-501 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

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS							•	
Depth to water from measuring po		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 FIE	LD							
Oxidation-Reduction Potential	*	-300	-300		-63	mV	1	07/02/2024 11:03	R350256
<b>STANDARD METHODS 2510 B</b>	B FIELD								
Spec. Conductance, Field	*	0	0		1310	μS/cm	1	07/02/2024 11:03	R350256
STANDARD METHODS 2550 B	B FIELD								
Temperature	*	0	0		17.1	°C	1	07/02/2024 11:03	R350256
STANDARD METHODS 4500-0	O G FIELD								
Oxygen, Dissolved	*	0	0		0.35	mg/L	1	07/02/2024 11:03	R350256
SW-846 9040B FIELD									
рН	*	0	1.00		7.01		1	07/02/2024 11:03	R350256
<b>STANDARD METHODS 2320 B</b>	B (TOTAL) 1997	', <b>2011</b>							
Alkalinity, Bicarbonate (as CaCO3	B) NELAP	0	0		417	mg/L	1	07/03/2024 10:12	R349737
<b>STANDARD METHODS 2320 B</b>	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	', <b>2011</b>							
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, METAI	LS BY ICP (TO	ΓAL)							
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, METAI	LS BY ICPMS (1	ΓΟΤΑL)							
Antimony	NELAP	0.4	1.0	BJ	0.5	μg/L	5	07/05/2024 22:31	
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	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	07/05/2024 22:31	
Boron	NELAP	9.2	25.0		75.9	μg/L	5	07/05/2024 22:31	
Cadmium	*	0.2	1.0		< 1.0	μg/L	5	07/05/2024 22:31	
Chromium	NELAP	0.7	1.5	J	1.0	μg/L	5	07/05/2024 22:31	
Cobalt	NELAP	0.1	1.0	J	0.4	μg/L	5	07/05/2024 22:31	
Lead Lithium	NELAP *	0.6 1.4	1.0 3.0	J	0.7	μg/L	5 5	07/08/2024 10:56 07/05/2024 22:31	
Molybdenum	NELAP	0.6	3.0 1.5		26.2 4.1	μg/L μg/L	5 5	07/09/2024 22.31	
Selenium	NELAP	0.6	1.0		4. i < 1.0	μg/L μg/L	5	07/05/2024 22:31	
Thallium	NELAP	1.0	2.0		< 1.0 < 2.0	μg/L μg/L	5	07/05/2024 22:31	
Contamination present in the MBL				n limit ar≏				01,0012024 22.01	
Contamination present in the MDL	r. Gampie results	SCIOW III	, roporting	y minicale	roportable per ti	no rivi otari	aara.		



NEW-257-501 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

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



Client: Ramboll Work Order: 24061026
Client Project: NEW-24Q3 Report Date: 06-Sep-24

Lab ID: 24061026-015 Client Sample ID: APW12

						n Butet ()	, - , -		
Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring poi	int *	0	0		16.00	ft	1	07/02/2024 11:57	R350256
STANDARD METHODS 2130 B	B FIELD								
Turbidity	*	1.0	1.0		1.3	NTU	1	07/02/2024 11:57	R350256
<b>STANDARD METHODS 18TH B</b>	ED. 2580 B FII	ELD							
Oxidation-Reduction Potential	*	-300	-300		48	mV	1	07/02/2024 11:57	R350256
<b>STANDARD METHODS 2510 B</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 4500-0	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	•	7, 2011							
Alkalinity, Bicarbonate (as CaCO3)	) NELAP	0	0		614	mg/L	1	07/03/2024 10:18	R349737
STANDARD METHODS 2320 B	•								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	07/03/2024 10:18	R349737
STANDARD METHODS 2540 C		•							
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, METAL	-	-							
Calcium	NELAP	0.035	0.100		266	mg/L	1	07/08/2024 16:58	
Magnesium	NELAP	0.006	0.050		131	mg/L	1	07/09/2024 12:25	
Potassium	NELAP	0.040	0.100		1.25	mg/L	1	07/08/2024 16:58	
Sodium	NELAP	0.018	0.050		157	mg/L	1	07/08/2024 16:58	225284
SW-846 3005A, 6020A, METAL			1.0		.40	/1	_	07/09/2024 8:22	225204
Antimony Arsenic	NELAP NELAP	0.4 0.4	1.0 1.0		< 1.0 0.6	μg/L μg/L	5 5	07/05/2024 23:00	
Barium	NELAP	0.4	1.0	J	45.0	μg/L μg/L	5 5	07/05/2024 23:00	
Beryllium	NELAP	0.7	1.0		< 1.0	μg/L μg/L	5	07/05/2024 23:00	
Boron	NELAP	9.2	25.0		1170	μg/L	5	07/05/2024 23:00	
Cadmium	*	0.2	1.0		< 1.0	μg/L	5	07/05/2024 23:00	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	07/05/2024 23:00	
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	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	07/05/2024 23:00	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	07/05/2024 23:00	225284



NEW-257-501 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

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

Report Date: 06-Sep-24



Client Project: NEW-24Q3

Client: Ramboll Work Order: 24061026

Lab ID: 24061026-016 Client Sample ID: APW13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURI	EMENTS							·	
Depth to water from measuring p		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 FIE	LD							
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									
рН	*	0	1.00		7.07		1	07/02/2024 14:11	R350256
STANDARD METHODS 2320	B (TOTAL) 1997	', 2011							
Alkalinity, Bicarbonate (as CaCO	3) NELÁP	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, META	LS BY ICP (TO	ΓAL)							
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, META	LS BY ICPMS (1	TOTAL)							
Antimony	NELAP	0.4	1.0	BJ	0.6	μg/L	5	07/05/2024 23:06	
Arsenic	NELAP	0.4	1.0		7.0	μg/L	5	07/05/2024 23:06	
Barium	NELAP	0.7	1.0		62.5	μg/L	5	07/05/2024 23:06	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	07/05/2024 23:06	
Boron	NELAP *	9.2	25.0		138	μg/L	5	07/05/2024 23:06	
Cadmium	NEL AD	0.2	1.0		< 1.0	μg/L	5	07/05/2024 23:06	
Chromium Cobalt	NELAP NELAP	0.7 0.1	1.5 1.0	J	< 1.5 0.2	μg/L μg/l	5 5	07/05/2024 23:06 07/05/2024 23:06	
Lead	NELAP	0.1	1.0	J	< 1.0	μg/L μg/L	5	07/05/2024 23:06	
Lithium	*	1.4	3.0		30.9	μg/L μg/L	5	07/05/2024 23:06	
Molybdenum	NELAP	0.6	1.5		6.0	μg/L	5	07/09/2024 8:27	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	07/05/2024 23:06	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	07/05/2024 23:06	
Contamination present in the MBI				ı limit are ı					



NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24061026

Client Project: NEW-24Q3 Report Date: 06-Sep-24
Lab ID: 24061026-016 Client Sample ID: APW13

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



NEW-257-501 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

						n Buter ()	, -, -		
Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	EMENTS								
Depth to water from measuring po	oint *	0	0		40.31	ft	1	07/10/2024 9:03	R350256
<b>STANDARD METHODS 2130</b>	B FIELD								
Turbidity	*	1.0	1.0		8.0	NTU	1	07/10/2024 9:03	R350256
<b>STANDARD METHODS 18TH</b>	ED. 2580 B FI	ELD							
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) 199	7, 2011							
Alkalinity, Bicarbonate (as CaCO	3) NELAP	0	0		640	mg/L	1	07/11/2024 10:44	R350050
STANDARD METHODS 2320	•								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	07/11/2024 10:44	R350050
STANDARD METHODS 2540	C (TOTAL) 199	7, 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, META	-	-							
Calcium	NELAP	0.035	0.100		101	mg/L	1	07/12/2024 10:51	
Magnesium	NELAP	0.006	0.050		43.2	mg/L	1	07/12/2024 10:51	
Potassium	NELAP	0.040	0.100		2.03	mg/L	1	07/12/2024 10:51	
Sodium	NELAP	0.018	0.050		141	mg/L	1	07/12/2024 10:51	223300
SW-846 3005A, 6020A, META			1.0		.10	ua/I	E	07/12/2024 23:00	225566
Antimony Arsenic	NELAP NELAP	0.4 0.4	1.0 1.0		< 1.0 23.6	μg/L μg/L	5 5	07/12/2024 23:00	
Barium	NELAP	0.4	1.0		23.6 559	μg/L μg/L	5	07/12/2024 23:00	
Beryllium	NELAP	0.7	1.0		< 1.0	μg/L	5	07/12/2024 23:00	
Boron	NELAP	9.2	25.0		137	μg/L	5	07/15/2024 14:54	
Cadmium	*	0.2	1.0		< 1.0	μg/L	5	07/12/2024 23:00	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	07/12/2024 23:00	
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	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	07/12/2024 23:00	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	07/12/2024 23:00	225566



NEW-257-501 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

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



NEW-257-501 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

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUR	REMENTS								
Depth to water from measuring	point *	0	0		41.50	ft	1	07/09/2024 12:38	R350256
STANDARD METHODS 213	0 B FIELD								
Turbidity	*	1.0	1.0		19	NTU	1	07/09/2024 12:38	R350256
<b>STANDARD METHODS 18TH</b>	H ED. 2580 B FIE	LD							
Oxidation-Reduction Potential	*	-300	-300		-98	mV	1	07/09/2024 12:38	R350256
<b>STANDARD METHODS 2510</b>	B FIELD								
Spec. Conductance, Field	*	0	0		1130	μS/cm	1	07/09/2024 12:38	R350256
<b>STANDARD METHODS 2550</b>	B FIELD								
Temperature	*	0	0		16.0	°C	1	07/09/2024 12:38	R350256
<b>STANDARD METHODS 4500</b>	-O G FIELD								
Oxygen, Dissolved	*	0	0		0.49	mg/L	1	07/09/2024 12:38	R350256
SW-846 9040B FIELD									
рН	*	0	1.00		7.45		1	07/09/2024 12:38	R350256
<b>STANDARD METHODS 2320</b>	B (TOTAL) 1997	, <b>2011</b>							
Alkalinity, Bicarbonate (as CaCo	O3) NELAP	0	0		552	mg/L	1	07/11/2024 12:46	R350050
<b>STANDARD METHODS 2320</b>	B 1997, 2011								
Alkalinity, Carbonate (as CaCO3	3) NELAP	0	0		0	mg/L	1	07/11/2024 12:46	R350050
<b>STANDARD METHODS 2540</b>	C (TOTAL) 1997	, <b>2011</b>							
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, META	ALS BY ICP (TO	ΓAL)							
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, META	ALS 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	
Boron	NELAP	9.2	25.0		96.1	μg/L	5	07/15/2024 14:59	
Cadmium	*	0.2	1.0	J	0.6	μg/L	5	07/12/2024 23:05	
Chromium	NELAP	0.7	1.5	J	0.8	μg/L	5	08/05/2024 22:05	
Cobalt	NELAP	0.1	1.0	J	0.7	μg/L	5	07/12/2024 23:05	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	08/05/2024 22:05	
Lithium	*	1.4	3.0	J	2.8	μg/L	5	07/12/2024 23:05	
Molybdenum	NELAP	0.6	1.5		4.2	μg/L	5	07/12/2024 23:05	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	07/12/2024 23:05	
Thallium  I CS recovered outside upper co	NELAP	1.0	2.0		< 2.0	μg/L	5	07/12/2024 23:05	225566



APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND
NEW-257-501

NEW-257-501 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



Client Project: NEW-24Q3

NEW-257-501 http://www.teklabinc.com/

Report Date: 06-Sep-24

Client: Ramboll Work Order: 24061026

Lab ID: 24061026-021 Client Sample ID: APW18

Matrix: GROUNDWATER Collection Date: 07/09/2024 11:02

							1031202		
Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUR	EMENTS								
Depth to water from measuring p	oint *	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
<b>STANDARD METHODS 18TH</b>	ED. 2580 B FI	ELD							
Oxidation-Reduction Potential	*	-300	-300		-172	mV	1	07/09/2024 11:02	R350256
<b>STANDARD METHODS 2510</b>	B FIELD								
Spec. Conductance, Field	*	0	0		987	μS/cm	1	07/09/2024 11:02	R350256
<b>STANDARD METHODS 2550</b>	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									
рН	*	0	1.00		7.68		1	07/09/2024 11:02	R350256
<b>STANDARD METHODS 2320</b>	<b>B (TOTAL) 199</b>	7, 2011							
Alkalinity, Bicarbonate (as CaCC	3) NELAP	0	0		512	mg/L	1	07/10/2024 11:54	R349993
<b>STANDARD METHODS 2320</b>	B 1997, 2011								
Alkalinity, Carbonate (as CaCO3	) NELAP	0	0		0	mg/L	1	07/10/2024 11:54	R349993
<b>STANDARD METHODS 2540</b>	C (TOTAL) 199	7, 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, META	LS BY ICP (TO	TAL)							
Calcium	NELAP	0.035	0.100		76.4	mg/L	1	07/11/2024 8:37	
Magnesium	NELAP	0.006	0.050		37.0	mg/L	1	07/11/2024 8:37	
Potassium	NELAP	0.040	0.100		2.11	mg/L	1	07/11/2024 8:37	
Sodium	NELAP	0.018	0.050		107	mg/L	1	07/11/2024 8:37	225498
SW-846 3005A, 6020A, META			4.0			, n	F	07/44/0004 40 07	005400
Antimony	NELAP	0.4	1.0		< 1.0	μg/L	5	07/11/2024 12:27	
Arsenic	NELAP NELAP	0.4 0.7	1.0 1.0		2.3 445	μg/L	5 5	07/11/2024 12:27 07/11/2024 12:27	
Barium Beryllium	NELAP	0.7	1.0		445 < 1.0	μg/L μg/L	5 5	07/11/2024 12:27	
Boron	NELAP	9.2	25.0		140	μg/L μg/L	5	07/11/2024 12:27	
Cadmium	*	0.2	1.0		< 1.0	μg/L	5	07/11/2024 12:27	
Chromium	NELAP	0.7	1.5	J	0.8	μg/L	5	07/11/2024 12:27	
Cobalt	NELAP	0.1	1.0	J	0.3	μg/L	5	07/11/2024 12:27	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	07/11/2024 12:27	
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



APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

NEW-257-501 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



APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

NEW-257-501 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	Certificati	ion MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch		
FIELD ELEVATION MEASUREMENTS										
Depth to water from measuring point	nt *	0	0		2.91	ft	1	07/01/2024 14:33 R350256		



APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND
NEW-257-501

NEW-257-501 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	n MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch		
FIELD ELEVATION MEASUREMENTS										
Depth to water from measuring poin	nt *	0	0		6.73	ft	1	07/01/2024 12:21 R350256		



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	3 (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, METAL	S BY ICP (TOT	AL)				-			
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, METAL	S BY ICPMS (T	OTAL)							
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	
Cobalt	NELAP	0.1	1.0		< 1.0	μg/L	5	07/15/2024 21:46	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	07/15/2024 21:46	
Lithium	*	1.4	3.0		< 3.0	μg/L	5	07/15/2024 21:46	
Molybdenum	NELAP	0.6	1.5		< 1.5	μg/L	5	07/15/2024 21:46	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	07/15/2024 21:46	
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



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, METAL	S BY ICP (TOT	AL)							
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, METAL	S BY ICPMS (T	OTAL)							
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	
Lithium	*	1.4	3.0		< 3.0	μg/L	5	07/15/2024 21:52	
Molybdenum	NELAP	0.6	1.5		< 1.5	μg/L	5	07/15/2024 21:52	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	07/15/2024 21:52	
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



Report Date: 06-Sep-24

Client: Ramboll **Work Order: 24061026** Client Project: NEW-24Q3

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 MEASURI	EMENTS								
Depth to water from measuring po		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 FIE	LD							
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
<b>STANDARD METHODS 4500-</b>	O G FIELD								
Oxygen, Dissolved	*	0	0		1.64	mg/L	1	08/07/2024 13:31	R350256
SW-846 9040B FIELD									
рН	*	0	1.00		6.72		1	08/07/2024 13:31	R350256
<b>STANDARD METHODS 2320</b>	B (TOTAL) 1997	7, 2011							
Alkalinity, Bicarbonate (as CaCO	3) NELAP	0	0		550	mg/L	1	08/09/2024 11:34	R351503
<b>STANDARD METHODS 2320</b>	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	7, 2011							
Total Dissolved Solids	NELAP	16	20	Н	3260	mg/L	1	08/15/2024 13:19	R351887
Sample analysis did not meet hole	d time requiremen	ts.							
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, META		-							
Calcium	NELAP	0.035	0.100		466	mg/L	1	08/12/2024 17:09	
Magnesium	NELAP	0.006	0.050		412	mg/L	1	08/12/2024 17:09	
Potassium	NELAP	0.040	0.100		6.92	mg/L	1	08/12/2024 17:09	
Sodium	NELAP	0.018	0.050		486	mg/L	1	08/12/2024 17:09	226925
SW-846 3005A, 6020A, META		-	4.0		4.4	/!	_	00/00/0004 40:05	227000
Antimony	NELAP NELAP	0.4	1.0		1.4	μg/L	5	08/28/2024 16:25 08/28/2024 16:25	
Arsenic Barium	NELAP	0.4 0.7	1.0 1.0	J	0.4 9.2	μg/L	5	08/29/2024 8:38	
	NELAP	0.7	1.0	J		μg/L	5	08/12/2024 14:26	
Beryllium Boron	NELAP		25.0	J	0.5 92.7	μg/L	5	08/12/2024 14:26	
Cadmium	NELAP *	9.2 0.2	1.0		92. <i>1</i> < 1.0	μg/L	5 5	08/28/2024 14:26	
Chromium	NELAP	0.2	1.5			μg/L		08/28/2024 16:25	
Cobalt	NELAP	0.7	1.0	J	0.8	μg/L	5 5	08/29/2024 8:38	
Lead	NELAP	0.1	1.0	J	0.8 < 1.0	μg/L ug/l	5 5	08/28/2024 16:25	
Lithium	*	1.4	3.0		102	μg/L μg/L	5	08/12/2024 14:26	
Molybdenum	NELAP	0.6	3.0 1.5		1.8	μg/L μg/L	5	08/28/2024 14:26	
Selenium	NELAP	0.6	1.0		1.0 < 1.0	μg/L μg/L	5	08/28/2024 16:25	
Thallium	NELAP	1.0	2.0	J	1.8	μg/L	5	08/12/2024 14:26	
amaiii	14LL/(I	1.0	2.0	J	1.0	⊬9/ <b>∟</b>	<u> </u>	00/12/2027 17.20	



APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

NEW-257-501 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



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

THE TIME STOCKED WITH	LIX				001100110	n Date: 00	,0,,202	1 10100	
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring poi	nt *	0	0		10.55	ft	1	08/07/2024 10:08	R350256
STANDARD METHODS 2130 E	3 FIELD								
Turbidity	*	1.0	1.0		310	NTU	1	08/07/2024 10:08	R350256
STANDARD METHODS 18TH E	D. 2580 B FIE	LD							
Oxidation-Reduction Potential	*	-300	-300		122	mV	1	08/07/2024 10:08	R350256
<b>STANDARD METHODS 2510 B</b>	FIELD								
Spec. Conductance, Field	*	0	0		3870	μS/cm	1	08/07/2024 10:08	R350256
<b>STANDARD METHODS 2550 B</b>	FIELD								
Temperature	*	0	0		16.3	°C	1	08/07/2024 10:08	R350256
STANDARD METHODS 4500-C	G FIELD								
Oxygen, Dissolved	*	0	0		1.98	mg/L	1	08/07/2024 10:08	R350256
SW-846 9040B FIELD									
рН	*	0	1.00		6.45		1	08/07/2024 10:08	R350256
<b>STANDARD METHODS 2320 B</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	Н	3840	mg/L	1	08/15/2024 13:19	R351887
Sample analysis did not meet hold	time requirement	S.							
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, METAL	S BY ICP (TO	AL)							
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, METAL		OTAL)							
Antimony		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	
Barium	NELAP	0.7	1.0		30.7	μg/L	5	08/12/2024 15:28	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	08/12/2024 15:28	
Boron	NELAP	9.2	25.0		55.3	μg/L	5	08/13/2024 12:07	
Cadmium	*	0.2	1.0		< 1.0	μg/L	5	08/12/2024 15:28	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	08/12/2024 15:28	
Cobalt Lead	NELAP NELAP	0.1 0.6	1.0 1.0	J	0.3	μg/L	5 5	08/12/2024 15:28 08/12/2024 15:28	
Lithium	NELAP *	1.4	3.0		< 1.0 42.7	μg/L μα/l	5 5	08/12/2024 15:28	
Molybdenum	NELAP	0.6	3.0 1.5	J	42. <i>1</i> 1.1	μg/L μg/L	5	08/12/2024 15:28	
Selenium	NELAP	0.6	1.0	5	< 1.0	μg/L μg/L	5	08/12/2024 15:28	
Thallium	NELAP	1.0	2.0		< 1.0 < 2.0	μg/L μg/L	5	08/12/2024 15:28	
Consistent results for B were not a				he hiahest			J	30, 12,2027 10.20	
Consistent results for D were not at		anipic ari	aryooo. 1	riigiiost	regart is report	· · · · · · · · · · · · · · · · · · ·			



APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

NEW-257-501 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



Client Project: NEW-24Q3

NEW-257-501 http://www.teklabinc.com/

Report Date: 06-Sep-24

Client: Ramboll Work Order: 24061026

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 MEASURE	MENTS							•	
Depth to water from measuring po		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 I	ED. 2580 B FIE	LD							
Oxidation-Reduction Potential	*	-300	-300		-90	mV	1	08/07/2024 12:38	R350256
STANDARD METHODS 2510 E	3 FIELD								
Spec. Conductance, Field	*	0	0		1510	μS/cm	1	08/07/2024 12:38	R350256
STANDARD METHODS 2550 E	3 FIELD								
Temperature	*	0	0		17.2	°C	1	08/07/2024 12:38	R350256
STANDARD METHODS 4500-0	G FIELD								
Oxygen, Dissolved	*	0	0		1.77	mg/L	1	08/07/2024 12:38	R350256
SW-846 9040B FIELD									
рН	*	0	1.00		7.28		1	08/07/2024 12:38	R350256
<b>STANDARD METHODS 2320 E</b>	3 (TOTAL) 1997	<sup>7</sup> , 2011							
Alkalinity, Bicarbonate (as CaCO3	) NELAP	0	0		454	mg/L	1	08/09/2024 10:51	R351503
<b>STANDARD METHODS 2320 E</b>	3 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/09/2024 10:51	R351503
STANDARD METHODS 2540 C	C (TOTAL) 1997	<sup>7</sup> , 2011							
Total Dissolved Solids	NELAP	16	20	Н	1060	mg/L	1	08/15/2024 13:20	R351887
Sample analysis did not meet hold	time requirement	's.							
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		396	mg/L	10	08/15/2024 16:07	R351845
SW-846 9214 (TOTAL)	NELAD	0.04	0.40			4	_	00/44/0004 0 44	D054000
Fluoride	NELAP	0.04	0.10		0.34	mg/L	1	08/14/2024 9:41	R351680
SW-846 9251 (TOTAL)	NELAD	_					_	00/45/0004 40 04	D054000
Chloride	NELAP	1	4		43	mg/L	1	08/15/2024 16:01	R351860
SW-846 3005A, 6010B, METAL	•	-	0.400		440		4	00/40/0004 47 40	000005
Calcium	NELAP	0.035	0.100		140	mg/L	1	08/12/2024 17:13	
Magnesium	NELAP	0.006	0.050		66.8	mg/L	1	08/12/2024 17:13	
Potassium Sodium	NELAP NELAP	0.040 0.018	0.100 0.050		1.76 138	mg/L	1 1	08/12/2024 17:13 08/12/2024 17:13	
			0.030		130	mg/L	ı	00/12/2024 17.13	220923
SW-846 3005A, 6020A, METAL 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	
Barium	NELAP	0.7	1.0		51.2	μg/L	5	08/12/2024 15:33	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	08/12/2024 15:33	
Boron	NELAP	9.2	25.0		82.3	μg/L	5	08/12/2024 15:33	
Cadmium	*	0.2	1.0	J	0.4	μg/L	5	08/12/2024 15:33	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	08/28/2024 16:48	
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	
Lithium	*	1.4	3.0		19.6	μg/L	5	08/12/2024 15:33	
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



APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

NEW-257-501 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



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

MILLIA: GROONDWA	·					n Date: 00	7077202	. 11.00	
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	EMENTS								
Depth to water from measuring po	oint *	0	0		21.21	ft	1	08/07/2024 11:55	R350256
<b>STANDARD METHODS 2130</b>	B FIELD								
Turbidity	*	1.0	1.0		340	NTU	1	08/07/2024 11:55	R350256
<b>STANDARD METHODS 18TH</b>	ED. 2580 B FIE	LD							
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
<b>STANDARD METHODS 4500-</b>	O G FIELD								
Oxygen, Dissolved	*	0	0		0.79	mg/L	1	08/07/2024 11:55	R350256
SW-846 9040B FIELD									
рН	*	0	1.00		7.11		1	08/07/2024 11:55	R350256
STANDARD METHODS 2320	B (TOTAL) 1997	, 2011							
Alkalinity, Bicarbonate (as CaCO	3) 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	Н	1210	mg/L	2.5	08/15/2024 13:22	R351887
Sample analysis did not meet hold	d time requirement	s.							
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20	J	18	mg/L	2	08/16/2024 14:53	R351908
Elevated reporting limit due to ma	trix 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, META	LS BY ICP (TO	ΓAL)							
Calcium	NELAP	0.035	0.100		95.6	mg/L	1	08/12/2024 17:14	
Magnesium	NELAP	0.006	0.050		37.6	mg/L	1	08/12/2024 17:14	
Potassium	NELAP	0.040	0.100		3.72	mg/L	1	08/12/2024 17:14	
Sodium	NELAP	0.018	0.050		309	mg/L	1	08/12/2024 17:14	226925
SW-846 3005A, 6020A, META	-	-		_					
Antimony	NELAP	0.4	1.0	J	0.6	μg/L	5	08/12/2024 15:39	
Arsenic	NELAP	0.4	1.0		26.5	μg/L	5	08/12/2024 15:39	
Barium	NELAP	0.7	1.0		562	μg/L	5	08/12/2024 15:39	
Beryllium	NELAP	0.2	1.0	J	0.3	μg/L	5	08/12/2024 15:39	
Boron	NELAP *	9.2	25.0		130	μg/L	5	08/12/2024 15:39	
Chromium		0.2	1.0	J	0.2 6.0	μg/L	5 5	08/12/2024 15:39	
Chromium Cobalt	NELAP NELAP	0.7 0.1	1.5 1.0		6.9 1.5	μg/L μg/L	5 5	08/12/2024 15:39 08/13/2024 12:13	
Lead	NELAP	0.1	1.0		32.5	μg/L μg/L	5 5	08/12/2024 15:39	
Lithium	*	1.4	3.0		7.2	μg/L μg/L	5	08/12/2024 15:39	
Molybdenum	NELAP	0.6	1.5		3.7	μg/L μg/L	5	08/12/2024 15:39	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L μg/L	5	08/12/2024 15:39	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	08/12/2024 15:39	
	1 1 LL / 11	1.0	0		7 210	ry'-		55, 12,252 T 10.00	



APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND
NEW-257-501

NEW-257-501 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



Client Project: NEW-24Q3

NEW-257-501 http://www.teklabinc.com/

APPENDIX A.

Report Date: 06-Sep-24

Client: Ramboll **Work Order: 24061026** 

**Lab ID: 24061026-102** Client Sample ID: Field Blank 2

Collection Date: 08/08/2024 11:05 Matrix: AQUEOUS

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 E	(TOTAL) 1997	, 2011							
Alkalinity, Bicarbonate (as CaCO3	) NELAP	0	0		2	mg/L	1	08/09/2024 10:47	R351503
STANDARD METHODS 2320 B	3 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	Н	< 20	mg/L	1	08/15/2024 11:13	R351887
Sample analysis did not meet hold	time requirements	S.							
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, METAL	S BY ICP (TOT	AL)				-			
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, METAL	S BY ICPMS (T	OTAL)							
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	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	08/12/2024 12:59	
Lithium	*	1.4	3.0		< 3.0	μg/L	5	08/12/2024 12:59	
Molybdenum	NELAP	0.6	1.5		< 1.5	μg/L	5	08/12/2024 12:59	
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



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

Matrix: GROUNDWA	VI LIV				Conceilo	n Date. 00	5/07/202	15.51	
Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUR	EMENTS								
Depth to water from measuring p	ooint *	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	I ED. 2580 B FIE	LD							
Oxidation-Reduction Potential	*	-300	-300		44	mV	1	08/07/2024 13:31	R350256
<b>STANDARD METHODS 2510</b>	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	*		4.00					00/07/0004 40 5	D050050
pH		0	1.00		6.72		1	08/07/2024 13:31	K350256
STANDARD METHODS 2320		•	^				4	00/40/0004 40 40	D054570
Alkalinity, Bicarbonate (as CaCC	•	0	0		508	mg/L	1	08/12/2024 12:13	R351579
STANDARD METHODS 2320	•	0	0		•	m e /1	4	00/40/0004 40 40	D254570
Alkalinity, Carbonate (as CaCO3		0	0		0	mg/L	1	08/12/2024 12:13	K3515/9
STANDARD METHODS 2540		-	20		2550	m a/l	1	00/45/2024 42:20	D254007
Total Dissolved Solids  Sample analysis did not meet ho	NELAP	16	20	Н	3550	mg/L	1	08/15/2024 13:38	/\doicc
	и ине геципеттен	io.							
SW-846 9036 (TOTAL) Sulfate	NELAP	1230	2000		2860	mg/L	200	08/20/2024 9:25	R352032
	I VLL/AI	1200	2000		2000	111g/L	200	00/20/2024 0.20	1.002002
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)	. 100/ 11	5.01	5.10		0.20	g/ ⊏	•	557 202 1 15.00	
Chloride	NELAP	2	20		92	mg/L	5	08/15/2024 17:45	R351860
SW-846 3005A, 6010B, META							<del>-</del>		
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	
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, META	ALS 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	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	08/14/2024 13:16	
Boron	NELAP	9.2	25.0		102	μg/L	5	08/14/2024 13:16	
Cadmium	*	0.2	1.0		< 1.0	μg/L	5	08/12/2024 13:05	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	08/14/2024 13:16	
Cobalt	NELAP	0.1	1.0	J	0.8	μg/L	5 5	08/14/2024 13:16	
Lead Lithium	NELAP *	0.6	1.0		< 1.0	μg/L	5 5	08/12/2024 13:05 08/14/2024 13:16	
Litnium Molybdenum	NELAP	1.4 0.6	3.0 1.5		96.6 2.1	μg/L μg/L	5 5	08/12/2024 13:16	
Selenium	NELAP	0.6	1.0		2.1 < 1.0	μg/L μg/L	5 5	08/12/2024 13:05	
Thallium	NELAP	1.0	2.0		< 1.0 < 2.0	μg/L μg/L	5	08/12/2024 13:05	
		1.0	2.0		<b>\ 2.0</b>	r⊎′ -		33, 12,202 + 10.00	



APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND
NEW-257-501

NEW-257-501 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

Client Sample ID: Equipment Blank 2



Lab ID: 24061026-105

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24061026

Client Project: NEW-24Q3 Report Date: 06-Sep-24

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		0	0		2	mg/L	1	08/09/2024 10:38	R351503
STANDARD METHODS 2320 B	3 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	Н	< 20	mg/L	1	08/15/2024 11:13	R351887
Sample analysis did not meet hold	time requirements	S.							
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, METAL	S BY ICP (TOT	AL)							
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, METAL	S BY ICPMS (T	OTAL)							
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



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)		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	S.				_						
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, METAL	S BY ICP (TOT	AL)										
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, METAL	S BY ICPMS (T	OTAL)										
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				
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	08/12/2024 13:23				
Lithium	*	1.4	3.0		< 3.0	μg/L	5	08/12/2024 13:23				
Molybdenum	NELAP	0.6	1.5		< 1.5	μg/L	5	08/12/2024 13:23				
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	08/12/2024 13:23				
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			



## **Sample Summary**

http://www.teklabinc.com/

4061026-006         APW04         Groundwater         4         07/08/2024 11:25           4061026-007         APW05         Groundwater         3         07/02/2024 10:13           4061026-009         APW06         Groundwater         2         07/02/2024 12:26           4061026-010         APW07         Groundwater         3         07/02/2024 13:27           4061026-011         APW08         Groundwater         3         07/02/2024 13:15           4061026-012         APW09         Groundwater         3         07/02/2024 13:15           4061026-013         APW10         Groundwater         3         07/02/2024 13:04           4061026-014         APW11         Groundwater         2         07/02/2024 11:03           4061026-015         APW12         Groundwater         2         07/02/2024 11:03           4061026-016         APW13         Groundwater         2         07/02/2024 11:01           4061026-018         APW15         Groundwater         2         07/08/2024 13:47           4061026-019         APW16         Groundwater         2         07/09/2024 11:32           4061026-020         APW17         Groundwater         2         07/09/2024 11:33           4061026-031         SGO2<	Lab Sample ID	Client Sample ID	Matrix	Fractions	<b>Collection Date</b>
4061026-007         APW05         Groundwater         3         07/02/2024 10:13           4061026-009         APW06         Groundwater         2         07/02/2024 12:26           4061026-010         APW07         Groundwater         3         07/02/2024 13:27           4061026-011         APW08         Groundwater         3         07/02/2024 13:15           4061026-012         APW09         Groundwater         3         07/02/2024 14:19           4061026-013         APW10         Groundwater         3         07/02/2024 11:03           4061026-014         APW11         Groundwater         2         07/02/2024 11:03           4061026-015         APW12         Groundwater         2         07/02/2024 11:05           4061026-016         APW13         Groundwater         2         07/02/2024 11:15           4061026-016         APW13         Groundwater         2         07/02/2024 11:15           4061026-017         APW14         Groundwater         2         07/08/2024 11:14           4061026-019         APW16         Groundwater         2         07/08/2024 11:38           4061026-020         APW17         Groundwater         2         07/09/2024 11:38           4061026-03         SG02 </td <td>24061026-005</td> <td>APW03</td> <td>Groundwater</td> <td>4</td> <td>07/08/2024 12:11</td>	24061026-005	APW03	Groundwater	4	07/08/2024 12:11
APW06   Groundwater   2   07/02/2024 12:26	24061026-006	APW04	Groundwater	4	07/08/2024 11:25
4061026-010         APW07         Groundwater         3         07/02/2024 13:27           4061026-011         APW08         Groundwater         3         07/09/2024 13:15           4061026-012         APW09         Groundwater         3         07/02/2024 14:19           4061026-013         APW10         Groundwater         2         07/02/2024 13:04           4061026-014         APW11         Groundwater         2         07/02/2024 11:03           4061026-015         APW12         Groundwater         2         07/02/2024 11:03           4061026-016         APW13         Groundwater         2         07/02/2024 14:11           4061026-016         APW13         Groundwater         2         07/08/2024 14:41           4061026-018         APW15         Groundwater         2         07/08/2024 13:47           4061026-018         APW16         Groundwater         2         07/08/2024 13:44           4061026-019         APW16         Groundwater         2         07/09/2024 13:44           4061026-020         APW17         Groundwater         2         07/09/2024 11:38           4061026-031         APW18         Groundwater         2         07/09/2024 11:02           4061026-073         SG02<	24061026-007	APW05	Groundwater	3	07/02/2024 10:13
4061026-011         APW08         Groundwater         3         07/09/2024 13:15           4061026-012         APW09         Groundwater         3         07/02/2024 14:19           4061026-013         APW10         Groundwater         3         07/02/2024 13:04           4061026-014         APW11         Groundwater         2         07/02/2024 11:05           4061026-015         APW12         Groundwater         2         07/02/2024 11:15           4061026-016         APW13         Groundwater         2         07/02/2024 14:11           4061026-016         APW13         Groundwater         2         07/08/2024 13:47           4061026-018         APW15         Groundwater         2         07/08/2024 13:47           4061026-019         APW16         Groundwater         2         07/08/2024 13:44           4061026-020         APW17         Groundwater         2         07/09/2024 11:38           4061026-020         APW18         Groundwater         2         07/09/2024 11:32           4061026-021         APW18         Groundwater         1         07/01/2024 13:31           4061026-078         XSG01         Groundwater         1         07/01/2024 10:05           4061026-079         Field	24061026-009	APW06	Groundwater	2	07/02/2024 12:26
4061026-012         APW09         Groundwater         3         07/02/2024 14:19           4061026-013         APW10         Groundwater         3         07/02/2024 13:04           4061026-014         APW11         Groundwater         2         07/02/2024 11:03           4061026-015         APW12         Groundwater         2         07/02/2024 11:15           4061026-016         APW13         Groundwater         2         07/02/2024 14:11           4061026-017         APW14         Groundwater         2         07/08/2024 13:47           4061026-018         APW15         Groundwater         2         07/08/2024 13:47           4061026-019         APW16         Groundwater         2         07/09/2024 13:44           4061026-020         APW17         Groundwater         1         07/09/2024 11:38           4061026-020         APW18         Groundwater         2         07/09/2024 12:38           4061026-021         APW18         Groundwater         2         07/09/2024 11:02           4061026-073         SG02         Groundwater         1         07/01/2024 12:31           4061026-079         Field Blank         Aqueous         6         07/11/2024 10:05           4061026-091         APW0	24061026-010	APW07	Groundwater	3	07/02/2024 13:27
4061026-013         APW10         Groundwater         3         07/02/2024 13:04           4061026-014         APW11         Groundwater         2         07/02/2024 11:03           4061026-015         APW12         Groundwater         2         07/02/2024 11:15           4061026-016         APW13         Groundwater         2         07/02/2024 14:11           4061026-017         APW14         Groundwater         2         07/08/2024 13:47           4061026-018         APW15         Groundwater         2         07/08/2024 14:44           4061026-019         APW16         Groundwater         2         07/10/2024 9:03           4061026-020         APW17         Groundwater         1         07/09/2024 11:38           4061026-021         APW18         Groundwater         2         07/09/2024 12:38           4061026-021         APW18         Groundwater         1         07/01/2024 12:38           4061026-023         SG02         Groundwater         1         07/01/2024 12:38           4061026-073         SG02         Groundwater         1         07/01/2024 12:21           4061026-079         Field Blank         Aqueous         6         07/11/2024 10:05           4061026-090         APW02<	24061026-011	APW08	Groundwater	3	07/09/2024 13:15
4061026-014       APW11       Groundwater       2       07/02/2024 11:57         4061026-015       APW12       Groundwater       2       07/02/2024 11:57         4061026-016       APW13       Groundwater       2       07/02/2024 14:11         4061026-017       APW14       Groundwater       2       07/08/2024 13:47         4061026-018       APW15       Groundwater       2       07/08/2024 14:44         4061026-019       APW16       Groundwater       2       07/10/2024 9:03         4061026-020       APW17       Groundwater       1       07/09/2024 11:38         4061026-020       APW18       Groundwater       2       07/09/2024 12:38         4061026-021       APW18       Groundwater       1       07/01/2024 12:38         4061026-073       SG02       Groundwater       1       07/01/2024 12:33         4061026-079       Field Blank       Aqueous       6       07/11/2024 10:05         4061026-083       Equipment Blank 1       Aqueous       6       07/11/2024 10:05         4061026-090       APW02       Groundwater       3       08/07/2024 13:31         4061026-091       APW05S       Groundwater       3       08/07/2024 11:55         4061	24061026-012	APW09	Groundwater	3	07/02/2024 14:19
4061026-015         APW12         Groundwater         2         07/02/2024 11:57           4061026-016         APW13         Groundwater         2         07/02/2024 14:11           4061026-017         APW14         Groundwater         2         07/08/2024 13:47           4061026-018         APW15         Groundwater         2         07/08/2024 14:44           4061026-019         APW16         Groundwater         2         07/10/2024 9:03           4061026-020         APW17         Groundwater         1         07/09/2024 11:38           4061026-020         APW18         Groundwater         2         07/09/2024 12:38           4061026-021         APW18         Groundwater         2         07/09/2024 11:02           4061026-073         SG02         Groundwater         1         07/01/2024 14:33           4061026-078         XSG01         Groundwater         1         07/01/2024 12:21           4061026-079         Field Blank         Aqueous         6         07/11/2024 10:05           4061026-093         APW02         Groundwater         4         08/07/2024 13:31           4061026-091         APW05S         Groundwater         3         08/07/2024 12:38           4061026-092         APW1	24061026-013	APW10	Groundwater	3	07/02/2024 13:04
4061026-016         APW13         Groundwater         2         07/02/2024 14:11           4061026-017         APW14         Groundwater         2         07/08/2024 13:47           4061026-018         APW15         Groundwater         2         07/08/2024 14:44           4061026-019         APW16         Groundwater         2         07/10/2024 9:03           4061026-020         APW17         Groundwater         1         07/09/2024 11:38           4061026-020         APW18         Groundwater         2         07/09/2024 12:38           4061026-021         APW18         Groundwater         2         07/09/2024 11:02           4061026-073         SG02         Groundwater         1         07/01/2024 14:33           4061026-078         XSG01         Groundwater         1         07/01/2024 12:21           4061026-079         Field Blank         Aqueous         6         07/11/2024 10:05           4061026-083         Equipment Blank 1         Aqueous         6         07/11/2024 10:15           4061026-090         APW02         Groundwater         3         08/07/2024 13:31           4061026-091         APW05S         Groundwater         3         08/07/2024 12:38           4061026-093	24061026-014	APW11	Groundwater	2	07/02/2024 11:03
4061026-017         APW14         Groundwater         2         07/08/2024 13:47           4061026-018         APW15         Groundwater         2         07/08/2024 14:44           4061026-019         APW16         Groundwater         2         07/10/2024 9:03           4061026-020         APW17         Groundwater         1         07/09/2024 11:38           4061026-021         APW18         Groundwater         2         07/09/2024 11:02           4061026-073         SG02         Groundwater         1         07/01/2024 14:33           4061026-078         XSG01         Groundwater         1         07/01/2024 12:21           4061026-079         Field Blank         Aqueous         6         07/11/2024 10:05           4061026-083         Equipment Blank 1         Aqueous         6         07/11/2024 10:15           4061026-090         APW02         Groundwater         3         08/07/2024 13:31           4061026-091         APW05S         Groundwater         3         08/07/2024 12:38           4061026-092         APW15         Groundwater         3         08/07/2024 12:38           4061026-102         Field Blank 2         Aqueous         4         08/08/2024 11:05           4061026-103	24061026-015	APW12	Groundwater	2	07/02/2024 11:57
4061026-018         APW15         Groundwater         2         07/08/2024 14:44           4061026-019         APW16         Groundwater         2         07/10/2024 9:03           4061026-020         APW17         Groundwater         1         07/09/2024 11:38           4061026-021         APW18         Groundwater         2         07/09/2024 11:02           4061026-073         SG02         Groundwater         1         07/01/2024 14:33           4061026-078         XSG01         Groundwater         1         07/01/2024 12:21           4061026-079         Field Blank         Aqueous         6         07/11/2024 10:05           4061026-083         Equipment Blank 1         Aqueous         6         07/11/2024 10:15           4061026-090         APW02         Groundwater         4         08/07/2024 13:31           4061026-091         APW05S         Groundwater         3         08/07/2024 10:08           4061026-092         APW14         Groundwater         3         08/07/2024 11:05           4061026-093         APW15         Groundwater         3         08/07/2024 11:05           4061026-102         Field Blank 2         Aqueous         4         08/08/2024 11:05           4061026-103	24061026-016	APW13	Groundwater	2	07/02/2024 14:11
4061026-019       APW16       Groundwater       2       07/10/2024 9:03         4061026-020       APW17       Groundwater       1       07/09/2024 11:38         4061026-020       APW18       Groundwater       2       07/09/2024 11:02         4061026-073       SG02       Groundwater       1       07/01/2024 12:33         4061026-078       XSG01       Groundwater       1       07/01/2024 12:21         4061026-079       Field Blank       Aqueous       6       07/11/2024 10:05         4061026-083       Equipment Blank 1       Aqueous       6       07/11/2024 10:15         4061026-090       APW02       Groundwater       4       08/07/2024 13:31         4061026-091       APW05S       Groundwater       3       08/07/2024 10:08         4061026-092       APW14       Groundwater       3       08/07/2024 12:38         4061026-093       APW15       Groundwater       3       08/07/2024 11:55         4061026-102       Field Blank 2       Aqueous       4       08/08/2024 11:05         4061026-103       APW02 Duplicate       Groundwater       4       08/07/2024 13:31         4061026-105       Equipment Blank 2       Aqueous       4       08/08/2024 11:13	24061026-017	APW14	Groundwater	2	07/08/2024 13:47
4061026-020       APW17       Groundwater       1       07/09/2024 11:38         4061026-020       APW17       Groundwater       2       07/09/2024 12:38         4061026-021       APW18       Groundwater       2       07/09/2024 11:02         4061026-073       SG02       Groundwater       1       07/01/2024 12:31         4061026-078       XSG01       Groundwater       1       07/01/2024 12:21         4061026-079       Field Blank       Aqueous       6       07/11/2024 10:05         4061026-083       Equipment Blank 1       Aqueous       6       07/11/2024 10:15         4061026-090       APW02       Groundwater       4       08/07/2024 13:31         4061026-091       APW05S       Groundwater       3       08/07/2024 10:08         4061026-092       APW14       Groundwater       3       08/07/2024 12:38         4061026-093       APW15       Groundwater       3       08/07/2024 11:55         4061026-102       Field Blank 2       Aqueous       4       08/08/2024 11:05         4061026-105       Equipment Blank 2       Aqueous       4       08/07/2024 13:31	24061026-018	APW15	Groundwater	2	07/08/2024 14:44
4061026-020       APW17       Groundwater       2       07/09/2024 12:38         4061026-021       APW18       Groundwater       2       07/09/2024 11:02         4061026-073       SG02       Groundwater       1       07/01/2024 14:33         4061026-078       XSG01       Groundwater       1       07/01/2024 12:21         4061026-079       Field Blank       Aqueous       6       07/11/2024 10:05         4061026-083       Equipment Blank 1       Aqueous       6       07/11/2024 10:15         4061026-090       APW02       Groundwater       4       08/07/2024 13:31         4061026-091       APW05S       Groundwater       3       08/07/2024 10:08         4061026-092       APW14       Groundwater       3       08/07/2024 12:38         4061026-093       APW15       Groundwater       3       08/07/2024 11:55         4061026-102       Field Blank 2       Aqueous       4       08/08/2024 11:05         4061026-103       APW02 Duplicate       Groundwater       4       08/07/2024 13:31         4061026-105       Equipment Blank 2       Aqueous       4       08/07/2024 13:31	24061026-019	APW16	Groundwater	2	07/10/2024 9:03
4061026-021       APW18       Groundwater       2       07/09/2024 11:02         4061026-073       SG02       Groundwater       1       07/01/2024 14:33         4061026-078       XSG01       Groundwater       1       07/01/2024 12:21         4061026-079       Field Blank       Aqueous       6       07/11/2024 10:05         4061026-083       Equipment Blank 1       Aqueous       6       07/11/2024 10:15         4061026-090       APW02       Groundwater       4       08/07/2024 13:31         4061026-091       APW05S       Groundwater       3       08/07/2024 10:08         4061026-092       APW14       Groundwater       3       08/07/2024 12:38         4061026-093       APW15       Groundwater       3       08/07/2024 11:55         4061026-102       Field Blank 2       Aqueous       4       08/08/2024 11:05         4061026-103       APW02 Duplicate       Groundwater       4       08/07/2024 13:31         4061026-105       Equipment Blank 2       Aqueous       4       08/08/2024 11:13	4061026-020	APW17	Groundwater	1	07/09/2024 11:38
4061026-073       SG02       Groundwater       1       07/01/2024 14:33         4061026-078       XSG01       Groundwater       1       07/01/2024 12:21         4061026-079       Field Blank       Aqueous       6       07/11/2024 10:05         4061026-083       Equipment Blank 1       Aqueous       6       07/11/2024 10:15         4061026-090       APW02       Groundwater       4       08/07/2024 13:31         4061026-091       APW05S       Groundwater       3       08/07/2024 10:08         4061026-092       APW14       Groundwater       3       08/07/2024 12:38         4061026-093       APW15       Groundwater       3       08/07/2024 11:55         4061026-102       Field Blank 2       Aqueous       4       08/08/2024 11:05         4061026-103       APW02 Duplicate       Groundwater       4       08/07/2024 13:31         4061026-105       Equipment Blank 2       Aqueous       4       08/08/2024 11:13	4061026-020	APW17	Groundwater	2	07/09/2024 12:38
4061026-078       XSG01       Groundwater       1       07/01/2024 12:21         4061026-079       Field Blank       Aqueous       6       07/11/2024 10:05         4061026-083       Equipment Blank 1       Aqueous       6       07/11/2024 10:15         4061026-090       APW02       Groundwater       4       08/07/2024 13:31         4061026-091       APW05S       Groundwater       3       08/07/2024 10:08         4061026-092       APW14       Groundwater       3       08/07/2024 12:38         4061026-093       APW15       Groundwater       3       08/07/2024 11:55         4061026-102       Field Blank 2       Aqueous       4       08/08/2024 11:05         4061026-103       APW02 Duplicate       Groundwater       4       08/07/2024 13:31         4061026-105       Equipment Blank 2       Aqueous       4       08/08/2024 11:13	24061026-021	APW18	Groundwater	2	07/09/2024 11:02
4061026-079       Field Blank       Aqueous       6       07/11/2024 10:05         4061026-083       Equipment Blank 1       Aqueous       6       07/11/2024 10:15         4061026-090       APW02       Groundwater       4       08/07/2024 13:31         4061026-091       APW05S       Groundwater       3       08/07/2024 10:08         4061026-092       APW14       Groundwater       3       08/07/2024 12:38         4061026-093       APW15       Groundwater       3       08/07/2024 11:55         4061026-102       Field Blank 2       Aqueous       4       08/08/2024 11:05         4061026-103       APW02 Duplicate       Groundwater       4       08/07/2024 13:31         4061026-105       Equipment Blank 2       Aqueous       4       08/08/2024 11:13	24061026-073	SG02	Groundwater	1	07/01/2024 14:33
4061026-083 Equipment Blank 1 Aqueous 6 07/11/2024 10:15 4061026-090 APW02 Groundwater 4 08/07/2024 13:31 4061026-091 APW05S Groundwater 3 08/07/2024 10:08 4061026-092 APW14 Groundwater 3 08/07/2024 12:38 4061026-093 APW15 Groundwater 3 08/07/2024 11:55 4061026-102 Field Blank 2 Aqueous 4 08/08/2024 11:05 4061026-103 APW02 Duplicate Groundwater 4 08/07/2024 13:31 4061026-105 Equipment Blank 2 Aqueous 4 08/08/2024 11:13	4061026-078	XSG01	Groundwater	1	07/01/2024 12:21
4061026-090 APW02 Groundwater 4 08/07/2024 13:31 4061026-091 APW05S Groundwater 3 08/07/2024 10:08 4061026-092 APW14 Groundwater 3 08/07/2024 12:38 4061026-093 APW15 Groundwater 3 08/07/2024 11:55 4061026-102 Field Blank 2 Aqueous 4 08/08/2024 11:05 4061026-103 APW02 Duplicate Groundwater 4 08/07/2024 13:31 4061026-105 Equipment Blank 2 Aqueous 4 08/08/2024 11:13	24061026-079	Field Blank	Aqueous	6	07/11/2024 10:05
4061026-091       APW05S       Groundwater       3       08/07/2024 10:08         4061026-092       APW14       Groundwater       3       08/07/2024 12:38         4061026-093       APW15       Groundwater       3       08/07/2024 11:55         4061026-102       Field Blank 2       Aqueous       4       08/08/2024 11:05         4061026-103       APW02 Duplicate       Groundwater       4       08/07/2024 13:31         4061026-105       Equipment Blank 2       Aqueous       4       08/08/2024 11:13	24061026-083	Equipment Blank 1	Aqueous	6	07/11/2024 10:15
4061026-092       APW14       Groundwater       3       08/07/2024 12:38         4061026-093       APW15       Groundwater       3       08/07/2024 11:55         4061026-102       Field Blank 2       Aqueous       4       08/08/2024 11:05         4061026-103       APW02 Duplicate       Groundwater       4       08/07/2024 13:31         4061026-105       Equipment Blank 2       Aqueous       4       08/08/2024 11:13	24061026-090	APW02	Groundwater	4	08/07/2024 13:31
4061026-093       APW15       Groundwater       3       08/07/2024 11:55         4061026-102       Field Blank 2       Aqueous       4       08/08/2024 11:05         4061026-103       APW02 Duplicate       Groundwater       4       08/07/2024 13:31         4061026-105       Equipment Blank 2       Aqueous       4       08/08/2024 11:13	24061026-091	APW05S	Groundwater	3	08/07/2024 10:08
4061026-102       Field Blank 2       Aqueous       4       08/08/2024 11:05         4061026-103       APW02 Duplicate       Groundwater       4       08/07/2024 13:31         4061026-105       Equipment Blank 2       Aqueous       4       08/08/2024 11:13	24061026-092	APW14	Groundwater	3	08/07/2024 12:38
4061026-103 APW02 Duplicate Groundwater 4 08/07/2024 13:31 4061026-105 Equipment Blank 2 Aqueous 4 08/08/2024 11:13	24061026-093	APW15	Groundwater	3	08/07/2024 11:55
4061026-105 Equipment Blank 2 Aqueous 4 08/08/2024 11:13	4061026-102	Field Blank 2	Aqueous	4	08/08/2024 11:05
	4061026-103	APW02 Duplicate	Groundwater	4	08/07/2024 13:31
4061026-106 Equipment Blank 3 Aqueous 4 08/07/2024 13:45	24061026-105	Equipment Blank 2	Aqueous	4	08/08/2024 11:13
	4061026-106	Equipment Blank 3	Aqueous	4	08/07/2024 13:45



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Batch R350256	SampType:	LCS		Units µS/cn	n						
SampID: LCS-1B											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Fig.	eld	*	0		1420	1412	0	100.2	90	110	07/02/2024
Batch R350256 SampID: LCS-1-BG	SampType:	LCS		Units µS/cn	n						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Fig.	eld	*	0		1390	1412	0	98.5	90	110	08/07/2024
Batch R350256 SampID: LCS-1J	SampType:	LCS		Units µS/cn	n						Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Fig.	eld	*	0	Quui	1410	1412	0	100.1	90	110	07/02/2024
Batch R350256 SampID: LCS-1-JC	SampType:	LCS		Units µS/cn	n						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Fig.	eld	*	0		1410	1412	0	99.9	90	110	08/07/2024
Batch R350256 SampID: LCS-1T	SampType:	LCS		Units µS/cn	n						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Fig.	eld	*	0		1410	1412	0	100.1	90	110	07/02/2024
Batch R350256 SampID: LCS-2B	SampType:	LCS		Units µS/cn	n						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Fig.	eld	*	0		1420	1412	0	100.4	90	110	07/08/2024
Batch R350256 SampID: LCS-2J	SampType:	LCS		Units µS/cn	n						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Fig.	eld	*	0		1410	1412	0	100.1	90	110	07/08/2024
Batch R350256 S	SampType:	LCS		Units µS/cn	1						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Fig.	الما ا	*	0		1410	1412	0	100.0	90	110	08/08/2024



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Batch R350256	SampType:	LCS		Units µS/cn	n						
SampID: LCS-2T											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, F	Field	*	0		1410	1412	0	99.9	90	110	07/08/2024
Batch R350256 SampID: LCS-3B	SampType:	LCS		Units µS/cn	1						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, F	Field	*	0		1410	1412	0	100.1	90	110	07/09/2024
Batch R350256 SampID: LCS-3J	SampType:	LCS		Units µS/cn	1						Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, F	Field	*	0	<b>— (</b>	1420	1412	0	100.3	90	110	07/09/2024
Batch R350256 SampID: LCS-3T	SampType:	LCS		Units µS/cn	1						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, F	Field	*	0		1410	1412	0	99.9	90	110	07/09/2024
Batch R350256	SampType:	LCS		Units µS/cn	1						
SampID: LCS-4B		a	D.		<b>5</b> 1	a	CDK Det Vol	0/ DEC	l over Limit	Lliah Limit	Date Analyzed
Analyses	-iold	Cert *	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	Ü	•
Spec. Conductance, F	riela		0		1410	1412	0	100.0	90	110	07/10/2024
Batch R350256 SampID: LCS-4J	SampType:	LCS		Units <b>µS/cn</b>	1						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, F	Field	*	0		1410	1412	0	99.9	90	110	07/10/2024
Batch R350256 SampID: LCS-4T	SampType:	LCS		Units <b>µS/cn</b>	1						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, F	Field	*	0		1410	1412	0	100.1	90	110	07/10/2024
Batch R350256 SampID: LCS-5B	SampType:	LCS		Units µS/cn	1						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, F		*	0		1420	1412	0	100.3	90	110	07/11/2024



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	IODS 2510 E	, , ,									
Batch R350256 SampID: LCS-5J	SampType:	LCS		Units µS/cn	n						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, I	Field	*	0		1410	1412	0	99.8	90	110	07/11/202
Batch R350256 SampID: LCS-5T	SampType:	LCS		Units µS/cn	n						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, I	Field	*	0		1410	1412	0	99.9	90	110	07/11/202
SW-846 9040B FIE	LD										
Batch R350256 SampID: LCS-1B	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.00	7.000	0	100.0	98.57	101.4	07/02/202
Batch R350256 SampID: LCS-1-BG	SampType:	LCS		Units							
		Cort	DI	Ouel	Dogult	Spileo	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses pH		<u>Cert</u>	1.00	Qual	Result 7.00	7.000	0	100.0	98.57	101.4	08/07/202
Batch R350256	SampType:	LCS		Units							
SampID: LCS-1J Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
рН		*	1.00	Quai	7.01	7.000	0	100.1	98.57	101.4	07/02/202
Batch R350256	SampType:	LCS		Units							
SampID: LCS-1-JC											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.00	7.000	0	100.0	98.57	101.4	08/07/202
Batch R350256 SampID: LCS-1T	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Allaryses		CCIt	ILL	Quai	itobuit	DPIRC					



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SW-846 9040B FIE	LD										
Batch R350256 SampID: LCS-2B	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.01	7.000	0	100.1	98.57	101.4	07/08/2024
Batch R350256 SampID: LCS-2J	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		6.99	7.000	0	99.9	98.57	101.4	07/08/2024
Batch R350256 SampID: LCS-2-JC	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.00	7.000	0	100.0	98.57	101.4	08/08/2024
Batch R350256 SampID: LCS-2T	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.09	7.000	0	101.3	98.57	101.4	07/08/2024
Batch R350256 SampID: LCS-3B	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00	-	7.01	7.000	0	100.1	98.57	101.4	07/09/2024
Batch R350256 SampID: LCS-3J	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.00	7.000	0	100.0	98.57	101.4	07/09/2024
Batch R350256 SampID: LCS-3T	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.00	7.000	0	100.0	98.57	101.4	07/09/2024
Batch R350256 SampID: LCS-4B	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pH		*	1.00	Vuui	7.02	7.000	0	100.3	98.57	101.4	07/10/2024



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SW-846 9040B FI	ELD										
Batch R350256 SampID: LCS-4J	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.01	7.000	0	100.1	98.57	101.4	07/10/2024
Batch R350256 SampID: LCS-4T	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.03	7.000	0	100.4	98.57	101.4	07/10/2024
Batch R350256 SampID: LCS-5B	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pН		*	1.00		7.00	7.000	0	100.0	98.57	101.4	07/11/2024
Batch R350256 SampID: LCS-5J	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.00	7.000	0	100.0	98.57	101.4	07/11/2024
Batch R350256 SampID: LCS-5T	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.01	7.000	0	100.1	98.57	101.4	07/11/2024
EPA 1664A											
Batch R350298 SampID: MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Hexane Extractable	Material		5		< 5	4.400	0	0	-100	100	07/16/2024
Batch R350298 SampID: LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable N	Material	2011	5	y uui	32	40.00	0	79.0	78	114	07/16/2024



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EPA 1664A										
Batch         R350298         SampType:           SampID:         24070896-001BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Hexane Extractable Material		6		39	47.02	0	82.2	78	114	07/16/202
EPA 600 350.1 (DISSOLVED)										
Batch R349887 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	07/08/202
Batch R349887 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.04	1.000	0	103.5	90	110	07/08/202
Batch         R349887         SampType:           SampID:         24061026-071FMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10	Е	6.04	2.000	4.197	92.0	90	110	07/08/202
<b>Batch R349887 SampType</b> : SampID: 24061026-071FMSD	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Ammonia (as N)	Cort	0.10	E	6.05	2.000	4.197	92.4	6.038	0.13	07/08/202
Batch R349887 SampType: SampID: 24070204-002BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		1.00		24.9	20.00	6.288	93.3	90	110	07/08/202
Batch R349887 SampType:	MSD		Units mg/L					RPD Lin	mit: <b>10</b>	
SampID: 24070204-002BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		1.00		25.0	20.00	6.288	93.3	24.95	0.03	07/08/202



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Batch R349887 SampType:	MS		Units mg/L							
SampID: 24070310-007BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	nit: <b>10</b>	
SampID: 24070310-007BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.88	2.000	0.05100	91.4	1.837	2.21	07/08/202
<b>Batch R349887 SampType:</b> SampID: 24070386-006EMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)	COL	0.10	Çuui	2.80	2.000	0.9070	94.6	90	110	07/08/202
Batch R349887 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24070386-006EMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		2.80	2.000	0.9070	94.4	2.799	0.14	07/08/202
Batch R349887 SampType:	MS		Units mg/L							
SampID: 24070395-002CMS										Date
A 1										A l l
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Analyses  Nitrogen, Ammonia (as N)	Cert	RL 0.10	Qual	Result 1.86	Spike 2.000	SPK Ref Val 0.03500	%REC 91.3	Low Limit 90	High Limit	Analyzed 07/08/202
Nitrogen, Ammonia (as N) <b>Batch</b> R349887 SampType:	MSD Cert		Qual Units mg/L		•				110	•
Nitrogen, Ammonia (as N) <b>Batch</b> R349887 SampType: SampID: 24070395-002CMSD	MSD	0.10	Units <b>mg/L</b>	1.86	2.000	0.03500	91.3	90 RPD Lir	110 nit: <b>10</b>	•
Nitrogen, Ammonia (as N) <b>Batch</b> R349887 SampType:					•		91.3	90	110 nit: <b>10</b>	07/08/202 Date Analyzed
Nitrogen, Ammonia (as N)  Batch R349887 SampType: SampID: 24070395-002CMSD  Analyses  Nitrogen, Ammonia (as N)	MSD Cert	0.10 RL	Units <b>mg/L</b> Qual	1.86 Result	2.000 Spike	0.03500 SPK Ref Val	91.3 %REC	90 RPD Lir RPD Ref Va	110 nit: <b>10</b> al %RPD	07/08/202 Date Analyzed
Nitrogen, Ammonia (as N) <b>Batch R349887 SampType:</b> SampID: 24070395-002CMSD  Analyses	MSD Cert	0.10 RL 0.10	Units <b>mg/L</b>	1.86 Result 1.86	2.000 Spike 2.000	0.03500 SPK Ref Val 0.03500	91.3 %REC 91.1	90 RPD Lir RPD Ref Vi 1.861	110 nit: <b>10</b> al %RPD 0.22	Date Analyzed 07/08/202
Nitrogen, Ammonia (as N)  Batch R349887 SampType: SampID: 24070395-002CMSD  Analyses Nitrogen, Ammonia (as N)  Batch R349887 SampType: SampID: 24070426-003HMS  Analyses	MSD Cert	0.10 RL 0.10	Units <b>mg/L</b> Qual	Result 1.86  Result	Spike 2.000 Spike	0.03500 SPK Ref Val 0.03500 SPK Ref Val	91.3 %REC 91.1 %REC	90  RPD Lir  RPD Ref Vol 1.861  Low Limit	110 nit: 10 al %RPD 0.22 High Limit	Date Analyzed 07/08/202  Date Analyzed Analyzed
Nitrogen, Ammonia (as N)  Batch R349887 SampType: SampID: 24070395-002CMSD  Analyses Nitrogen, Ammonia (as N)  Batch R349887 SampType: SampID: 24070426-003HMS	MSD Cert MS	0.10 RL 0.10	Units mg/L Qual Units mg/L	1.86 Result 1.86	2.000 Spike 2.000	0.03500 SPK Ref Val 0.03500	91.3 %REC 91.1	90 RPD Lir RPD Ref Vi 1.861	110 nit: <b>10</b> al %RPD 0.22	Date Analyzed 07/08/202
Nitrogen, Ammonia (as N)  Batch R349887 SampType: SampID: 24070395-002CMSD  Analyses Nitrogen, Ammonia (as N)  Batch R349887 SampType: SampID: 24070426-003HMS  Analyses Nitrogen, Ammonia (as N)  Batch R349887 SampType:	MSD Cert MS	0.10 RL 0.10	Units mg/L Qual Units mg/L	Result 1.86  Result	Spike 2.000 Spike	0.03500 SPK Ref Val 0.03500 SPK Ref Val	91.3 %REC 91.1 %REC	90  RPD Lir  RPD Ref Vol 1.861  Low Limit	110 nit: 10 al %RPD 0.22 High Limit 110	Date Analyzed 07/08/202
Nitrogen, Ammonia (as N)  Batch R349887 SampType: SampID: 24070395-002CMSD  Analyses Nitrogen, Ammonia (as N)  Batch R349887 SampType: SampID: 24070426-003HMS  Analyses Nitrogen, Ammonia (as N)	MSD  Cert  MS  Cert	0.10 RL 0.10	Units mg/L  Qual  Units mg/L  Qual	Result 1.86  Result	Spike 2.000 Spike	0.03500 SPK Ref Val 0.03500 SPK Ref Val	91.3 %REC 91.1 %REC 91.9	90  RPD Lir  RPD Ref Volume 1.861  Low Limit 90	110 nit: 10 al %RPD 0.22 High Limit 110	Date Analyzed 07/08/202



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Batch R349887 SampType:	MS		Units mg/L							
SampID: 24070449-002AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10	E	5.16	2.000	3.260	95.1	90	110	07/08/202
Batch R349887 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SamplD: 24070449-002AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		Analyzed
Nitrogen, Ammonia (as N)		0.10	E	5.10	2.000	3.260	92.2	5.161	1.09	07/08/202
Batch R349887 SampType:	MS		Units mg/L							
SampID: 24070450-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC		High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		4.42	2.000	2.543	94.0	90	110	07/08/202
Batch R349887 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24070450-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		4.43	2.000	2.543	94.4	4.424	0.18	07/08/202
Batch R349978 SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	I ow I imit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)	Cert	0.10	Quai	< 0.10	0.0270		0	-100	100	07/10/202
Batch R349978 SampType:	I CS		Units mg/L							
SamplD: ICV/LCS	200		Office HighL							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)	COIT	0.10	Çuui	1.01	1.000	0	101.4	90	110	07/10/202
Batch R349978 SampType:	MS		Units mg/L							
SampID: 24061026-082EMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.90	2.000	0.06500	91.9	90	110	07/10/202
Batch R349978 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SamplD: 24061026-082EMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.92	2.000	0.06500	92.8	1.903	0.89	07/10/20



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pe: MS Units mg/L	
Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit	Date Analyzed
0.10 S <b>1.57</b> 2.000 0 78.7 90 110	07/10/202
pe: MSD Units mg/L RPD Limit: 10	
	Date
Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD	Analyzed
0.10 S <b>1.68</b> 2.000 0 84.0 1.574 6.57	07/10/202
pe: MS Units mg/L	Date
Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit	Analyzed
0.10 <b>2.32</b> 2.000 0.4720 92.5 90 110	07/10/202
pe: MSD Units mg/L RPD Limit: 10	
	Date
Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD	Analyzed
0.10 <b>2.33</b> 2.000 0.4720 93.0 2.322 0.39	07/10/202
pe: MS Units mg/L	
	Date
Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit	Analyzed
0.10 <b>4.21</b> 2.000 2.371 91.8 90 110	07/10/202
pe: MSD Units mg/L RPD Limit: 10	
	Date
Cert RL Qual Result Spike SPK Ref Val %REC RPD Ref Val %RPD	Analyzed
0.10 <b>4.23</b> 2.000 2.371 93.0 4.207 0.55	07/10/202
pe: MS Units mg/L	
	Date
Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit	Analyzed
0.10 <b>1.88</b> 2.000 0 94.0 90 110	07/10/202
pe: MSD Units mg/L RPD Limit: 10	
pe: MSD Units mg/L RPD Limit: 10	Date Analyzed
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<b>Batch R350163 SampType:</b> SampID: 24070571-007EMS	MS		Units mg/L							
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)	Cert	0.20	S	3.88	4.000	0.4710	85.2	90	110	07/12/202
Batch         R350163         SampType:           SampID:         24070571-007EMSD	MSD		Units mg/L					RPD Lin	nit: <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.20		4.09	4.000	0.4710	90.5	3.878	5.32	07/12/202
<b>Batch R350163 SampType:</b> SampID: 24070879-002EMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		2.67	2.000	0.8560	90.9	90	110	07/12/202
Batch R350163 SampType:	MSD		Units mg/L					RPD Lin	nit: <b>10</b>	
SampID: 24070879-002EMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		2.69	2.000	0.8560	91.9	2.674	0.75	07/12/202
Batch R350163 SampType:	MS		Units mg/L							
SampID: 24070879-007EMS	~				~	CDK Dat Val	0/ DEC	I avvil imit	I limb I imit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	
Nitrogen, Ammonia (as N)		0.10		2.48	2.000	0.6180	93.0	90	110	07/12/202
Batch R350163 SampType:	MSD		Units mg/L					RPD Lin	nit: <b>10</b>	Date
SampID: 24070879-007EMSD										Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	•
	Cert	RL 0.10	Qual	Result 2.46	Spike 2.000	SPK Ref Val 0.6180	%REC 92.2	2.477	0.65	07/12/202
Analyses			Qual Units mg/L		•					Ť
Analyses Nitrogen, Ammonia (as N)  Batch R350880 SampType:			,		•					07/12/202
Analyses Nitrogen, Ammonia (as N)  Batch R350880 SampType: SampID: 24071459-002HMS	MS	0.10	Units <b>mg/L</b>	2.46	2.000	0.6180	92.2	2.477	0.65	07/12/202
Analyses Nitrogen, Ammonia (as N)  Batch R350880 SampType: SampID: 24071459-002HMS  Analyses Nitrogen, Ammonia (as N)  Batch R350880 SampType:	MS	0.10 RL	Units <b>mg/L</b>	2.46 Result	2.000 Spike	0.6180 SPK Ref Val	92.2 %REC	2.477 Low Limit	0.65  High Limit 110	07/12/202 Date Analyzed
Analyses Nitrogen, Ammonia (as N)  Batch R350880 SampType: SampID: 24071459-002HMS  Analyses Nitrogen, Ammonia (as N)	<b>MS</b> Cert	0.10 RL	Units <b>mg/L</b> Qual	2.46 Result	2.000 Spike	0.6180 SPK Ref Val	92.2 %REC	2.477 Low Limit 90	0.65  High Limit 110	07/12/202 Date Analyzed



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STANDARD METHO	DS 2540 C	(TOTAL)	1997	', <b>2011</b>							
Batch R349790 S SamplD: MBLK	ampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	07/03/202
Batch R349790 S SampID: LCS	ampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		980	1000	0	98.0	90	110	07/03/202
2 411111	ampType:	DUP		Units mg/L					RPD Lii	mit: <b>10</b>	
SamplD: 24070113-00 Analyses	1ADUP	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Total Dissolved Solids			50	-	4760				4655	2.34	07/03/202
Batch R349980 S SampID: MBLK	ampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	07/09/202
Batch R349980 S SampID: LCS	ampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		910	1000	0	91.0	90	110	07/09/202
Dutti	ampType:	DUP		Units mg/L					RPD Lii	mit: <b>10</b>	
SampID: 24070559-00 <sup>-1</sup> Analyses	IADUP	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Total Dissolved Solids			50		415				385.0	7.50	07/09/202
Batch R350125 S SampID: MBLK	атрТуре:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	07/11/202
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	07/11/202



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								<b>F</b>	СС ССР	
STANDARD METHODS 2540	C (TOTAL	.) 1997	<sup>7</sup> , 2011							
Batch R350125 SampType	: LCS		Units mg/L							
SampID: LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	<u> </u>	Analyzed
Total Dissolved Solids		20		970	1000	0	97.0	90	110	07/11/202
Total Dissolved Solids		20		954	1000	0	95.4	90	110	07/11/202
Batch R350125 SampType	: DUP		Units mg/L					RPD Lir	mit: <b>10</b>	
SampID: 24061026-017ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids		20		1040				1072	2.65	07/11/202
Batch R350125 SampType SampID: 24061026-021ADUP	: DUP		Units mg/L					RPD Lir	mit: <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids		20	- V mir	618	Spine			626.0	1.29	07/11/202
Batch R350208 SampType SampID: MBLK	: MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	07/12/202
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	07/12/202
Batch R350208 SampType SampID: LCS	: LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	I ow I imit	High Limit	Analyzed
Total Dissolved Solids	Cert	20	Quai	990	1000	0	99.0	90	110	07/12/202
Total Dissolved Solids		20		1010	1000	0	100.6	90	110	07/12/202
					. 555		.00.0			0.7.12/202
<b>Batch R350208 SampType</b> SampID: 24061026-057ADUP	: DUP		Units mg/L					RPD Lir	mit: <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
								900.0		07/12/202
Total Dissolved Solids		20		834				890.0	6.50	01/12/202
Batch R350208 SampType	: DUP	20	Units mg/L	834				RPD Lir		01712/202
	: <b>DUP</b> Cert	20 RL	Units mg/L Qual	Result	Spike	SPK Ref Val	%REC		mit: <b>10</b>	Date Analyzed



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STANDARD METHODS 25	•	.) 1997								
	/pe: MBLK		Units mg/L							
SampID: MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 SampTy SampID: LCS	/pe: LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 SampTy	/pe: DUP		Units mg/L					RPD Lir	nit: <b>10</b>	
SamplD: 24061026-040ADUF	)									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids		1000		13300	-			13300	0.00	07/15/2024
Batch R350261 SampTy	· •		Units mg/L					RPD Lir	mit: <b>10</b>	
SampID: 24071020-008BDUF	)									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids		20		436				450.0	3.16	07/15/2024
Batch R350404 SampTy SampID: MBLK	/pe: MBLK		Units mg/L							5.
	Cont	DI	Ougl	Dogult	Cmileo	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses Total Dissolved Solids	Cert	RL 20	Qual	Result	Spike 16.00	0	0	-100	100	07/17/2024
Total Dissolved Solids		20		< 20	16.00	U	U	-100	100	07/17/2024
Batch R350404 SampTy SampID: LCS	/pe: LCS		Units mg/L							Dete
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids	CCIT	20	Quai	944	1000	0	94.4	90	110	07/17/2024
Batch R350404 SampTy	/pe: DUP		Units mg/L					RPD Lir	mit: <b>10</b>	
SampID: 24070962-001ADUF			_							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids		50		690				635.0	8.30	07/17/2024



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STANDARD METHODS 2540 (	S (TOTAL	) 1997	, 2011							
Batch R350404 SampType:	DUP		Units mg/L					RPD Lim	nit: <b>10</b>	
SampID: 24071298-001ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
Total Dissolved Solids		20		446				446.0	0.00	07/17/2024
Batch R351887 SampType: SampID: MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lim	nit: <b>10</b>	
SampID: 24071451-043ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
Total Dissolved Solids		20	Н	820				844.0	2.88	08/15/2024
<b>Batch R351887 SampType:</b> SampID: 24071451-059ADUP	DUP		Units mg/L					RPD Lim	nit: <b>10</b>	_
	<b>C</b> .	DI	0 1	D 1	G 11	SPK Ref Val	% DEC	RPD Ref Va	ıl 0/ DDD	Date Analyzed
Analyses  Total Dissolved Solids	Cert	RL 20	Qual H	Result	Spike	of Kiter var	/orceo	1826	1.31	08/15/2024
<b>Batch R351887 SampType:</b> SampID: 24080002-007ADUP	DUP		Units mg/L					RPD Lim	nit: <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
Total Dissolved Solids		20		474				492.0	3.73	08/15/2024
Batch R351887 SampType:	DUP		Units mg/L					RPD Lim	nit: <b>10</b>	
SamplD: 24080862-001ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
		200	Н	24200				24660	1.97	08/15/2024



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Usaas Pahixx/ Samnivno	C (TOTAL)	,						DDD 11		
Batch R351887 SampType: SampID: 24080863-001ADUP	DUP		Units mg/L					RPD Lin	nit: <b>10</b>	
·	a .	DI	0 1	D 1.	G '1	CDK Dof Vol	0/ DEC		J 0/ DDD	Date Analyzed
Analyses  Total Discoluted Calida	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va		-
Total Dissolved Solids		20	Н	1160				1136	2.09	08/15/20
STANDARD METHODS 4500-N	NO2 B (DI	SSOL	VED) 2000,	2011						
Batch R349749 SampType: SampID: MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	07/03/20
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	07/03/20
Batch R349749 SampType: SampID: LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.31	0.3045	0	102.5	90	110	07/03/20
Nitrogen, Nitrite (as N)		0.05		0.31	0.3045	0	102.5	90	110	07/03/20
Batch R349749 SampType: SampID: 24061026-001BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	96.0	85	115	07/03/20
Batch R349749 SampType:	MSD		Units mg/L					RPD Lim	nit: <b>10</b>	
SampID: 24061026-001BMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Date Analyzed
		0.05		0.46		0	92.6	0.4800	3.61	07/03/20
Nitrogen, Nitrite (as N)					0.5000					
Batch R349749 SampType:	MS		Units <b>mg/L</b>		0.5000					Date
Batch R349749 SampType: SampID: 24070325-001AMS	MS Cert	RL	Units <b>mg/L</b> Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Batch R349749 SampType: SampID: 24070325-001AMS Analyses		RL 0.05	J	Result			%REC 98.4	Low Limit 85	High Limit	
Batch R349749 SampType: SampID: 24070325-001AMS  Analyses Nitrogen, Nitrite (as N)  Batch R349749 SampType:			Qual		Spike				115	Analyzed
SampID: 24070325-001AMS  Analyses  Nitrogen, Nitrite (as N)	Cert		Qual H		Spike		98.4	85	115 nit: <b>10</b>	Analyzed



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D D040740			Liberton manufi							
<b>Batch R349749 SampType:</b> SampID: 24070330-001AMS	IVIS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.50	Е	8.77	5.000	3.890	97.6	85	115	07/03/2024
Batch R349749 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24070330-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	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:           SampID:         24070386-001BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	nit: <b>10</b>	
SampID: 24070386-001BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	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							
SamplD: 24070386-011BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	95.8	85	115	07/03/202
<b>Batch R349749 SampType:</b> SampID: 24070386-011BMSD	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	Doto
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	98.2	0.4790	2.47	07/03/202
Batch R349910 SampType: SampID: MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	07/09/202
Batch R349910 SampType: SampID: LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.31	0.3045	0	101.8	90	110	07/09/202



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STANDARD METHODS 4500-I	102 B (DI	SSUL	VED) 2000,	2011						
Batch R349910 SampType:	MS		Units mg/L							
SampID: 24070571-003BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	97.6	85	115	07/09/202
Batch R349910 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24070571-003BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	97.4	0.4880	0.21	07/09/202
Batch R349910 SampType: SampID: 24070630-002AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0.04700	92.8	85	115	07/09/202
Batch R349910 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SamplD: 24070630-002AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0.04700	92.4	0.5110	0.39	07/09/202
Batch R350048 SampType:	MBLK		Units mg/L							
SampID: MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	07/11/202
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	07/11/202
Batch R350048 SampType:	LCS		Units mg/L							
SampID: LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	104.1	90	110	07/11/202
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	104.1	90	110	07/11/202
Batch R350048 SampType: SampID: 24061026-039BMS	MS		Units mg/L							Det
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1 111u1 y 50 5	CCIT	ILL	Quai	Modult	phire		•			



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Batch R350048 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SamplD: 24061026-039BMSD			· ·							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Nitrite (as N)	COIT	0.05	Quui	0.50	0.5000	0	99.8	0.4930	1.21	07/11/202
The egan, The last of										
<b>Batch R350048 SampType</b> : SampID: 24070774-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05	S	0.37	0.5000	0.07300	59.6	85	115	07/11/202
Batch R350048 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SamplD: 24070774-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05	S	0.37	0.5000	0.07300	59.2	0.3710	0.54	07/11/202
<b>Batch R350048 SampType</b> : SampID: 24070874-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)	Cert	0.05	Quai	0.57	0.5000	0.09800	94.0	85	115	07/11/20
Batch R350048 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24070874-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.57	0.5000	0.09800	93.4	0.5680	0.53	07/11/20
Batch R350072 SampType:	MBLK		Units mg/L							
SampID: MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	07/11/20
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	07/11/20
Batch R350072 SampType:	LCS		Units mg/L							Date
SampID: LCS										
SampID: LCS Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID: LCS  Analyses  Nitrogen, Nitrite (as N)	Cert	RL 0.05	Qual	Result	Spike 0.3045		%REC 101.5	Low Limit 90	High Limit	Analyzed 07/11/20



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Batch R350072 SampType:	MS		Units mg/L							
SampID: 24061026-034BMS										Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05	•	0.48	0.5000	0	95.2	85	115	07/11/202
Batch R350072 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24061026-034BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	96.8	0.4760	1.67	07/11/202
Batch R350072 SampType:	MS		Units mg/L							
SampID: 24070879-007BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	97.8	85	115	07/11/202
Batch R350072 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24070879-007BMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Nitrite (as N)	Cort	0.05	Çuui	0.49	0.5000	0	98.2	0.4890	0.41	07/11/202
Batch R350072 SampType:	MS		Units mg/L							
SampID: 24070962-001AMS			_							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	97.8	85	115	07/11/202
Batch R350072 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24070962-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	96.8	0.4890	1.03	07/11/202
STANDARD METHODS 4500-I	NO3 F (DI	SSOL	VED) 2000,	2011						
Batch R349753 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
			0 1	D 1.	0. 11	SPK Ref Val	%PEC	Low Limit	Lligh Limit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	of Kitter var	/OILC	LOW LITTIL	migh Limit	,
Analyses Nitrogen, Nitrate (as N)	Cert	RL 0.050	Qual	< 0.050	Spike	Si K Kei vai	/orceo	LOW LITTIE	HIGH LIHIIL	07/03/202



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Batch R349753 SampType:	LCS		Units mg/L							
SampID: ICV/LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.477	0.5000	0	95.4	90	110	07/03/202
<b>Batch R349753 SampType:</b> SampID: 24061026-003BMS	MS		Units <b>mg/L</b>							Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)	COIT	0.050	Quui	0.247	0.2500	0	98.8	85	115	07/03/202
Batch R349753 SampType:	MSD		Units <b>mg/L</b>					RPD Lir	mit: <b>10</b>	
SampID: 24061026-003BMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)	CCIT	0.050	Quai	0.245	0.2500	0	98.0	0.2470	0.81	07/03/202
Batch R349753 SampType:	MS		Units <b>mg/L</b>							
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	07/03/20
Batch R349753 SampType:	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	
SamplD: 24070087-001CMSD  Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250	•	4.18	1.250	2.933	99.9	4.276	2.22	07/03/202
<b>Batch R349753 SampType:</b> SampID: 24070113-001DMS	MS		Units mg/L							
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)	Cort	0.500	Quui	2.37	2.500	0.1090	90.3	90	110	07/03/20
Batch R349753 SampType:	MSD		Units <b>mg/L</b>					RPD Lir	nit: <b>10</b>	
SampID: 24070113-001DMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500	S	2.28	2.500	0.1090	86.8	2.366	3.70	07/03/202
<b>Batch R349753 SampType:</b> SampID: 24070180-001DMS	MS		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	23.0	5.000	17.58	107.5	90	110	07/03/20



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Batch R349753 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24070180-001DMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	Е	22.8	5.000	17.58	104.4	22.96	0.68	07/03/2024
<b>Batch R349753 SampType:</b> SampID: 24070223-003AMS	MS		Units mg/L							
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	I ow Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)	Cert	1.00	Quai	10.7	5.000	5.779	99.4	90	110	07/03/202
Batch R349753 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24070223-003AMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	<b>Q</b> 3332	10.8	5.000	5.779	99.7	10.75	0.16	07/03/202
<b>Batch R349753 SampType:</b> SampID: 24070330-001AMS	MS		Units mg/L							
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)	Cert	1.00	Quai	19.0	5.000	13.98	100.9	90	110	07/03/202
Batch R349753 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24070330-001AMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	<b>Q</b> 3332	19.3	5.000	13.98	106.3	19.03	1.39	07/03/202
<b>Batch R349753 SampType:</b> SampID: 24070395-004DMS	MS		Units mg/L							Date
	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Analyses					40.50	4404	040			07/00/000
Analyses  Nitrogen, Nitrate-Nitrite (as N)		2.50		26.4	12.50	14.64	94.3	90	110	07/03/202
Nitrogen, Nitrate-Nitrite (as N)  Batch R349753 SampType:	MSD	2.50	Units mg/L	26.4	12.50	14.64	94.3	90 RPD Lir		07/03/202
Nitrogen, Nitrate-Nitrite (as N)	MSD Cert	2.50	Units <b>mg/L</b> Oual	Result	12.50 Spike	SPK Ref Val	94.3 %REC		nit: <b>10</b>	Date Analyzed



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STANDARD METHODS 4500-		OOOLVI	_D, 2000,	2011						
Batch R349905 SampType:	MBLK	l	Units <b>mg/L</b>							
SampID: ICB/MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	ı	Units mg/L							
SampID: ICV/LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.506	0.5000	0	101.2	90	110	07/09/2024
Batch R349905 SampType:	MS	l	Units <b>mg/L</b>							
SampID: 24070315-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		3.46	1.250	2.168	103.8	90	110	07/09/202
Batch R349905 SampType:	MSD	ı	Units mg/L					RPD Lir	mit: <b>10</b>	
SampID: 24070315-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		3.52	1.250	2.168	108.2	3.465	1.60	07/09/202
Batch R349905 SampType:	MS	ı	Units <b>mg/L</b>							
SampID: 24070495-002AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		27.2	12.50	15.03	97.6	90	110	07/09/202
Batch R349905 SampType:	MSD	ı	Units <b>mg/L</b>					RPD Lir	nit: <b>10</b>	
SampID: 24070495-002AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		27.1	12.50	15.03	96.6	27.23	0.44	07/09/202
Batch R349905 SampType:	MS	l	Units mg/L							
SampID: 24070559-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
		0.050		0.214	0.2500		85.6	85	115	07/09/202



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			D) 2000,					_		
Batch R349905 SampType:	MSD	ι	Jnits <b>mg/L</b>					RPD Lir	nit: <b>10</b>	
SampID: 24070559-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.217	0.2500	0	86.8	0.2140	1.39	07/09/202
<b>Batch R350027 SampType:</b> SampID: 24070679-004AMS	MS	L	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.258	0.2500	0	103.2	85	115	07/10/202
Batch R350027 SampType:	MSD	ι	Jnits <b>mg/L</b>					RPD Lir	nit: <b>10</b>	
SampID: 24070679-004AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.259	0.2500	0	103.6	0.2580	0.39	07/10/202
Batch R350087 SampType: SampID: ICB/MBLK	MBLK	L	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate (as N)		0.050		< 0.050						07/11/202
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	07/11/202
Batch R350087 SampType: SampID: ICV/LCS	LCS	ι	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)	COIT	0.050	Quui	0.507	0.5000	0	101.4	90	110	07/11/202
D 4 1 D250007 CompTupo:	MS	l	Jnits <b>mg/L</b>							
<b>Batch R350087 SampType:</b> SampID: 24061026-042BMS	•									Date
	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: 24061026-042BMS	_		Qual	Result <b>0.593</b>	•	SPK Ref Val 0.3150	%REC 111.2	Low Limit 85	High Limit	
SampID: 24061026-042BMS  Analyses  Nitrogen, Nitrate-Nitrite (as N)  Batch R350087 SampType:	Cert	RL 0.050	Qual  Jnits mg/L		•				115	Analyzed
SampID: 24061026-042BMS  Analyses  Nitrogen, Nitrate-Nitrite (as N)	Cert	RL 0.050	•		•			85	115 nit: <b>10</b>	Analyzed



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Batch R350087 SampType:	MS	ι	Jnits <b>mg/L</b>							
SampID: 24070596-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	23.9	5.000	19.12	96.3	90	110	07/11/202
Batch R350087 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lin	nit: <b>10</b>	
SampID: 24070596-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	23.8	5.000	19.12	93.8	23.94	0.52	07/11/202
<b>Batch R350087 SampType:</b> SampID: 24070656-001CMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)	CCIT	0.050	Quai	0.502	0.2500	0.2360	106.4	90	110	07/11/202
			1.70					DDD 1.		
<b>Batch R350087 SampType:</b> SampID: 24070656-001CMSD	MSD	(	Jnits <b>mg/L</b>					RPD Lin	nit: <b>10</b>	
·	<b>C</b> .	DI	0 1	D 1	G '1	SPK Ref Val	%REC	RPD Ref Va	N 0/ DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike					•
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.506	0.2500	0.2360	108.0	0.5020	0.79	07/11/202
Batch R350087 SampType:	MS	ι	Jnits mg/L							
SampID: 24070740-001CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		3.83	1.250	2.544	102.6	90	110	07/11/202
Batch R350087 SampType:	MSD	ι	Jnits <b>mg/L</b>					RPD Lin	nit: <b>10</b>	
SampID: 24070740-001CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		3.88	1.250	2.544	107.3	3.826	1.53	07/11/202
Batch R350087 SampType:	MS	ι	Jnits <b>mg/L</b>							
SampID: 24070813-005BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		6.37	2.500	3.877	99.5	90	110	07/11/202
Batch R350087 SampType:	MSD	ι	Jnits <b>mg/L</b>					RPD Lin	nit: <b>10</b>	
SampID: 24070813-005BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
										07/11/202



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Batch R350087 SampType:	MS	ι	Jnits <b>mg/L</b>							
SampID: 24070825-001AMS	<b>a</b>	D.		<b>D</b>	a	CDK D-t V-l	0/ DEC	Laure Linais	I limb I imit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.248	0.2500	0	99.2	85	115	07/11/2024
Batch R350087 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	mit: <b>10</b>	
SamplD: 24070825-001AMSD	~				~	0DK D-(1)/-1	0/ DE0	DDD D-()/	-I 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		•
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.255	0.2500	0	102.0	0.2480	2.78	07/11/2024
Batch         R350087         SampType:           SampID:         24070879-003BMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	l	Jnits <b>mg/L</b>					RPD Lir	mit: <b>10</b>	
SampID: 24070879-003BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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	l	Jnits <b>mg/L</b>							
SamplD: 24070948-008AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	Е	2.01	0.5000	1.508	100.4	85	115	07/11/2024
Batch R350087 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	mit: <b>10</b>	
SamplD: 24070948-008AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	Е	2.02	0.5000	1.508	103.2	2.010	0.69	07/11/2024
<b>Batch R350189 SampType:</b> SampID: 24070948-001AMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50	Н	33.7	12.50	20.64	104.3	85	115	07/12/2024
Batch R350189 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	mit: <b>10</b>	
SampID: 24070948-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
		2.50	Н	33.7	12.50	20.64	104.2	33.68	0.03	07/12/2024



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D / I D250400 CompType:	Me		Units mg/L							
<b>Batch R350189 SampType:</b> SampID: 24070962-001AMS	IVIS		Offics Hig/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	mit: <b>10</b>	
SampID: 24070962-001AMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)	CCIT	0.050	Quai	0.250	0.2500		100.0	0.2470	1.21	07/12/2024
<b>Batch R350189 SampType:</b> SampID: 24071020-008BMS	MS		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	mit: <b>10</b>	
SamplD: 24071020-008BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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:           SampID:         24071023-003BMS	MS		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		16.0	5.000	11.20	95.3	85	115	07/12/2024
<b>Batch R350189 SampType</b> : SampID: 24071023-003BMSD	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	D .
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %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: SampID: ICB/MBLK	MBLK		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	07/30/2024
Batch R350951 SampType: SampID: ICV/LCS	LCS		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.463	0.5000	0	92.6	90	110	07/30/2024



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MS	ι	Jnits <b>mg/L</b>							
<b>a</b> .	DI	0 1	<b>D</b> 1.	G '1	CDV Dof Vol	0/ DEC	l our Limit	lliah Limit	Date Analyzed
Cert		Qual						<u> </u>	
	0.500		8.24	2.500	5.842	96.0	90	110	07/30/2024
MSD	ι	Jnits <b>mg/L</b>					RPD Lin	nit: <b>10</b>	
Cort	DI	Ouel	Docult	Snika	SPK Ref Val	%RFC	RPD Ref V	al %RPD	Date Analyzed
CCIT	0.500	Quai	8.12	2.500	5.842	91.0	8.242	1.53	07/30/2024
MS	l	Jnits <b>mg/L</b>							
Cert	рī	Oual	Recult	Snike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
CCIT	5.00	Quai	38.6	25.00	15.65	91.8	90	110	07/30/2024
MSD	Į	Jnits <b>mg/L</b>					RPD Lin	nit: <b>10</b>	
G. i	DI	0 1	D 1	0. 1	CDI/ Dof Val	% PEC	PDD Bof V	al 9/PDD	Date Analyzed
Cert	5.00	Quai	40.2	25.00	15.65	98.1	38.61	4.01	07/30/2024
MS	l	Jnits <b>mg/L</b>							
G.	D.	0.1	<b>.</b>	a :1	CDV Dof Vol	0/ DEC	Low Limit	lliah Limit	Date Analyzed
Cert	0.050	Qual H	0.237			94.8	85	115	07/30/2024
MSD	ı	Inits ma/l					RPD Lin	nit: 10	
MOD	·	Jilito IIIg/L					I D Lii	iiit. <b>10</b>	Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
	0.050	Н	0.239	0.2500	0	95.6	0.2370	0.84	07/30/2024
MS	l	Jnits <b>mg/L</b>							Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
			0.566	0.2500	0.3740	76.8	90	110	07/30/2024
	0.050	S	0.500	0.2300					
MSD		Jnits mg/L	0.300	0.2300			RPD Lin		
			0.300	0.2000					Date Analyzed
	MSD Cert  MSD Cert  MSD Cert  MS Cert	Cert       RL         MSD       RL         Cert       RL         0.500       0.500         MS       RL         5.00       0.00         MSD       RL         5.00       0.050         MSD       RL         0.050       0.050         MSD       RL         0.050       0.050	Cert         RL         Qual           MSD         Units mg/L           Cert         RL         Qual           0.500         Units mg/L           MS         RL         Qual           5.00         Units mg/L           MSD         Units mg/L           MS         Units mg/L           MS         Units mg/L           MS         Units mg/L           Units mg/L         Units mg/L           Units mg/L         Qual           0.050         H	Cert         RL         Qual Result           0.500         8.24           MSD         Units mg/L           Cert         RL         Qual Result           0.500         8.12           MS         Units mg/L           Cert         RL         Qual Result           5.00         38.6           MSD         Units mg/L           Cert         RL         Qual Result           5.00         40.2           MS         Units mg/L           Cert         RL         Qual Result           0.050         H         0.237           MSD         Units mg/L           Cert         RL         Qual Result           0.050         H         0.239	Cert         RL         Qual Result         Spike           0.500         8.24         2.500           MSD         Units mg/L         Spike           Cert         RL         Qual Result         Spike           0.500         8.12         2.500           MS         Units mg/L         Spike           5.00         38.6         25.00           MSD         Units mg/L         Spike           5.00         40.2         25.00           MS         Units mg/L         Spike           Cert         RL         Qual Result         Spike           0.050         H         0.237         0.2500           MSD         Units mg/L         Vnits mg/L         Spike           Cert         RL         Qual Result         Spike           0.050         H         0.237         0.2500	Cert         RL         Qual         Result         Spike         SPK Ref Val           MSD         Units mg/L         SPK Ref Val           Cert         RL         Qual         Result         Spike         SPK Ref Val           MS         Units mg/L         Spike         SPK Ref Val           Cert         RL         Qual         Result         Spike         SPK Ref Val           5.00         38.6         25.00         15.65           MSD         Units mg/L         Spike         SPK Ref Val           5.00         40.2         25.00         15.65           MS         Units mg/L         Spike         SPK Ref Val           Cert         RL         Qual         Result         Spike         SPK Ref Val           0.050         H         0.237         0.2500         0           MSD         Units mg/L         Spike         SPK Ref Val           Cert         RL         Qual         Result         Spike         SPK Ref Val           0.050         H         0.237         0.2500         0	Cert         RL         Qual sesult         Spike spk ref val spike         %REC           MSD         Units mg/L         5,842         96.0           MSD         Units mg/L         WREC           Cert         RL         Qual Result Spike SPK Ref Val spike         %REC           0.500         8.12         2.500         5.842         91.0           MS         Units mg/L         WREC         \$PK Ref Val spike         %REC           Cert         RL         Qual Result Spike         SPK Ref Val spike         %REC           Spike         SPK Ref Val spike         %REC         %REC           Cert         RL         Qual Result Spike         SPK Ref Val spike         %REC           Cert         RL         Qual Result Spike         SPK Ref Val spike         %REC           Cert         RL         Qual Result Spike         SPK Ref Val spike         %REC           MSD         Units mg/L         %REC         %REC           Cert         RL         Qual Result Spike         SPK Ref Val spike         %REC           MSD         Units mg/L         %REC         %REC         %REC           O.050         H         0.237         0.2500         0         %REC	Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit           0.500         8.24         2.500         5.842         96.0         90           MSD         Units mg/L         RPD Lin           Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val           0.500         8.12         2.500         5.842         91.0         8.242           MS         Units mg/L         Repuls           Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit           MSD         Units mg/L         RPD Lin           MS         Units mg/L         Spike         SPK Ref Val         %REC         RPD Ref Val           MS         Units mg/L         Spike         SPK Ref Val         %REC         Low Limit           MS         Units mg/L         Spike         SPK Ref Val         %REC         Low Limit           MSD         Units mg/L         Spike         SPK Ref Val         %REC         Low Limit           Cert         RL         Qual         Result         Spike	Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit           MSD         Units mg/L         2.500         5.842         96.0         90         110           MSD         Units mg/L         FRPD Limit 10         RRPD Limit 10           Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD           MS         Units mg/L         Spike         SPK Ref Val         %REC         Low Limit         High Limit           MSD         Units mg/L         FRPD Limit 10         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit           Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD           MS         Units mg/L         25.00         15.65         98.1         38.61         4.01           MS         Units mg/L         Spike         SPK Ref Val         %REC         Low Limit         High Limit           Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         Hi



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Batch R350951 SampType:	MS		Units <b>mg/L</b>							
SamplD: 24072367-003BMS		·	onito mg/L							Data
Analyses	Cert	RL	Oual	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	l	Units <b>mg/L</b>					RPD Lin	nit: <b>10</b>	
SampID: 24072367-003BMSD	Cont	Dī	Ouel	Dogult	Spileo	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Analyses  Nitrogen, Nitrate-Nitrite (as N)	Cert	0.500	Qual	Result 4.34	Spike 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			-			00140 4141	0/550	1 12 %	115 1 1 5 7	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	07/08/2024
Batch 225296 SampType:	LCS	I	Units <b>mg/L</b>							
Sampio: LCS 240703 TCN1										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
•	Cert	RL 0.005	Qual	Result 0.025	Spike 0.0250	SPK Ref Val	%REC 98.4	Low Limit 90	High Limit	
Analyses Cyanide  Batch 225296 SampType:	Cert	0.005	Qual Units mg/L		•				Ū	Analyzed
Analyses Cyanide  Batch 225296 SampType: SampID: 24061026-003DMS	MS	0.005	Units <b>mg/L</b>	0.025	0.0250	0	98.4	90	110	Analyzed
Analyses Cyanide  Batch 225296 SampType:		0.005	-		•		98.4		Ū	Analyzed 07/08/2024 Date
Analyses Cyanide  Batch 225296 SampType: SampID: 24061026-003DMS  Analyses Cyanide	MS	0.005 RL 0.005	Units <b>mg/L</b>	0.025	0.0250 Spike	0 SPK Ref Val	98.4 %REC	90 Low Limit	110 High Limit 125	Analyzed 07/08/2024 Date Analyzed
Analyses Cyanide  Batch 225296 SampType: SampID: 24061026-003DMS  Analyses Cyanide  Batch 225296 SampType:	MS Cert	0.005 RL 0.005	Units <b>mg/L</b> Qual	0.025	0.0250 Spike	O SPK Ref Val O	98.4 %REC 99.4	90 Low Limit 75 RPD Lin	110  High Limit 125  nit: 15	Date Analyzed 07/08/2024
Analyses Cyanide  Batch 225296 SampType: SampID: 24061026-003DMS  Analyses Cyanide  Batch 225296 SampType: SampID: 24061026-003DMSD  Analyses	MS Cert	0.005  RL 0.005	Units <b>mg/L</b> Qual	Result 0.025  Result	0.0250 Spike 0.0250 Spike	O SPK Ref Val O SPK Ref Val	98.4 %REC 99.4	90  Low Limit 75  RPD Lin	110  High Limit 125  nit: 15	Date Analyzed 07/08/2024 Date Analyzed 07/08/2024 Date Analyzed
Analyses Cyanide  Batch 225296 SampType: SampID: 24061026-003DMS  Analyses Cyanide  Batch 225296 SampType: SampID: 24061026-003DMSD	MS Cert	0.005 RL 0.005	Units mg/L  Qual  Units mg/L	0.025  Result 0.025	0.0250 Spike 0.0250	O SPK Ref Val O SPK Ref Val	98.4 %REC 99.4	90 Low Limit 75 RPD Lin	110  High Limit 125  nit: 15	Date Analyzed 07/08/2024
Analyses Cyanide  Batch 225296 SampType: SampID: 24061026-003DMS  Analyses Cyanide  Batch 225296 SampType: SampID: 24061026-003DMSD  Analyses Cyanide  Batch 225465 SampType:	MS Cert	0.005  RL 0.005	Units mg/L  Qual  Units mg/L	Result 0.025  Result	0.0250 Spike 0.0250 Spike	O SPK Ref Val O SPK Ref Val	98.4  %REC 99.4  %REC	90  Low Limit 75  RPD Lin	110  High Limit 125  nit: 15	Date Analyzed 07/08/2024 Date Analyzed 07/08/2024 Date Analyzed 07/08/2024
Cyanide  Batch 225296 SampType: SampID: 24061026-003DMS  Analyses Cyanide  Batch 225296 SampType: SampID: 24061026-003DMSD  Analyses Cyanide	MS Cert  MSD  Cert	0.005  RL 0.005	Units mg/L  Qual  Units mg/L  Qual	Result 0.025  Result	0.0250 Spike 0.0250 Spike	O SPK Ref Val O SPK Ref Val	98.4  %REC 99.4  %REC 100.3	90  Low Limit 75  RPD Lin	110  High Limit 125  nit: 15	Analyzed  07/08/202-  Date Analyzed  07/08/202-  Date Analyzed



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SW-846 9012A (TOTAL)										
Batch 225465 SampType: SampID: LCS 240709 TCN1	LCS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.025	0.0250	0	98.9	90	110	07/10/202
Batch 225465 SampType: SampID: 24070571-001DMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.025	0.0250	0	102.0	75	125	07/10/202
<b>Batch 225465 SampType</b> : SampID: 24070571-001DMSD	MSD	l	Jnits <b>mg/L</b>					RPD Lir	nit: <b>15</b>	Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Cyanide	COIT	0.005	Quui	0.025	0.0250	0	101.7	0.02550	0.31	07/10/202
Batch 225535 SampType: SampID: MBLK 240710 TCN1	MBLK	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	07/11/202
Batch 225535 SampType: SampID: LCS 240710 TCN1	LCS		Jnits <b>mg/L</b>			00KD (V)	0/050		10.1.1.	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	•
Cyanide		0.005		0.023	0.0250	0	90.9	90	110	07/11/202
Batch         225535         SampType:           SampID:         24070628-001EMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.026	0.0250	0	105.1	90	110	07/11/202
<b>Batch 225535 SampType</b> : SampID: 24070628-001EMSD	MSD	l	Jnits <b>mg/L</b>					RPD Lir	mit: <b>15</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Cyanide		0.005	-	0.025	0.0250	0	101.7	0.02626	3.27	07/11/202
<b>Batch 225535 SampType:</b> SampID: 24070679-001CMS	MS	l	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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Batch 225535 Samp	Туре:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
SampID: 24070679-001CMS	SD	_					00140 ()41	0/550	555 5 (V	L 0/DDD	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V	al %RPD	,
Cyanide			0.005		0.025	0.0250	0	98.5	0.02446	0.69	07/11/202
Batch 225601 Samp SampID: MBLK 240711 TCN		MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide			0.005		< 0.005	0.0015	0	0	-100	100	07/12/202
Batch 225601 Samp <sup>o</sup> SampID: LCS 240711 TCN1	Type:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide			0.005		0.023	0.0250	0	90.1	90	110	07/12/202
Batch 225601 Samp SampID: 24070898-001CMS		MS		Units mg/L							Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Arialyzeu
Cyanide			0.025	S	0.123	0.1250	0.01565	85.6	90	110	07/12/202
Batch 225601 Samp <sup>-</sup> SampID: 24070898-001CMS		MSD		Units mg/L					RPD Lir	mit: <b>15</b>	Data
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Cyanide			0.025	S	0.125	0.1250	0.01565	87.7	0.1227	2.12	07/12/202
Batch 225602 Samp <sup>-</sup> SampID: MBLK 240711 TCN		MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide			0.005		< 0.005	0.0015	0	0	-100	100	07/12/202
Batch 225602 Samp SampID: LCS 240711 TCN2	Type:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide			0.005		0.024	0.0250	0	94.4	90	110	07/15/202
Batch 225664 Samp SampID: MBLK 240712 TCN		MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide			0.005		< 0.005	0.0015	0	0	-100	100	07/15/202



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SW-846 9012A (TOTAL)										
Batch 225664 SampType:	LCS		Units <b>mg/L</b>							
SampID: LCS 240712 TCN1										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.025	0.0250	0	99.5	90	110	07/15/202
<b>Batch 225664 SampType:</b> SampID: 24070767-002CMS	MS	I	Units <b>mg/L</b>							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.026	0.0250	0.003085	93.3	90	110	07/15/202
Batch 225664 SampType:	MSD		Units <b>mg/L</b>					RPD Lir	nit: <b>15</b>	
SampID: 24070767-002CMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Cyanide		0.005	· ·	0.027	0.0250	0.003085	96.6	0.02641	3.06	07/15/202
Batch 225735 SampType: SampID: MBLK 240715 TCN2	MBLK		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005	S	0.016	0.0015	0	1120	-100	100	07/16/202
<b>Batch 225735 SampType:</b> SampID: 24061026-059EMS	MS	l	Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005	В	0.026	0.0250	0	104.6	75	125	07/16/202
SW-846 9036 (DISSOLVED)										
Batch         R349714         SampType:           SampID:         24061026-053BMS	MS		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10	S	30	20.00	22.12	39.4	85	115	07/03/202
Batch R349714 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24061026-053BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va		Analyzed
Sulfate		10	S	28	20.00	22.12	27.0	30.01	8.62	07/03/202



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SW-846 9036 (DISSOLVED)										
Batch R349714 SampType:	MS		Units mg/L							
SampID: 24070182-002BMS	~			-	~	ODK D-( ) /-1	0/050	Laure Liberte	1.15.46 1.5.49	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	J	
Sulfate		50		195	100.0	91.66	103.1	85	115	07/03/202
Batch R349714 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24070182-002BMSD	a	D.		<b>5</b> 1	a	CDK D-f V-l	0/DEC	DDD D-41/	-I 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		-
Sulfate		50		196	100.0	91.66	104.7	194.8	0.82	07/03/2024
<b>Batch R349714 SampType:</b> SampID: 24070182-004BMS	MS		Units mg/L							Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate	CCIT	10	S	24	20.00	11.00	63.1	85	115	07/03/2024
Canaco		.0	Ü		20.00	11.00	00.1	00	110	017007202
Batch R349714 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24070182-004BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10		46	20.00	26.33	97.2	85	115	07/08/202
Batch R349876 SampType:	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	
SampID: 24070386-007BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate		10		46	20.00	26.33	99.4	45.78	0.91	07/08/202
Batch R349911 SampType:	MS		Units mg/L							
SampID: 24061026-062BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		50		212	100.0	118.1	94.1	85	115	07/09/202
Batch R349911 SampType:	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	
SamplD: 24061026-062BMSD			_							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed



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SW-846 9036 (DISSOLVED)										
<b>Batch R350166 SampType:</b> SampID: 24061026-034BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate	Cort	10	Quai	48	20.00	29.76	90.6	85	115	07/12/202
Batch R350166 SampType:	MSD		Units mg/L					RPD Lii	mit: <b>10</b>	
SamplD: 24061026-034BMSD										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		•
Sulfate		10		48	20.00	29.76	91.3	47.87	0.29	07/12/202
Batch         R350166         SampType:           SampID:         24070571-002BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		50		161	100.0	68.17	93.2	85	115	07/12/202
Batch R350166 SampType:	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	
SampID: 24070571-002BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate		50		167	100.0	68.17	99.1	161.3	3.63	07/12/202
Batch R350265 SampType:	MS		Units mg/L							
SampID: 24071020-004BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	J	Analyzed
Sulfate		10	S	31	20.00	14.35	83.8	85	115	07/16/202
Batch R350265 SampType:	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	
SampID: 24071020-004BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		Analyzed
Sulfate		10		32	20.00	14.35	87.4	31.11	2.32	07/16/202
<b>Batch R350922 SampType:</b> SampID: 24061962-008BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		50		166	100.0	75.94	89.6	85	115	07/29/202
Batch R350922 SampType:	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	
SampID: 24061962-008BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate		50		164	100.0	75.94	88.3	165.5	0.75	07/29/202



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SW-846 9036 (DISSOLVED)										
<b>Batch R351845 SampType:</b> SampID: 24080823-001BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		100		473	200.0	298.6	87.3	85	115	08/15/202
Batch R351845 SampType:	MSD		Units mg/L					RPD Lin	nit: <b>10</b>	
SamplD: 24080823-001BMSD	C	DI	0 1	D 1	G11 .	SPK Ref Val	%REC	RPD Ref Va	al % DDD	Date Analyzed
Analyses Sulfate	Cert	100	Qual	Result 486	Spike 200.0	298.6	93.9	473.3	2.75	08/15/202
Batch         R351908         SampType:           SampID:         24080241-002BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10	S	22	20.00	8.190	70.2	85	115	08/16/202
Batch R351908 SampType:	MSD		Units mg/L					RPD Lin	nit: <b>10</b>	
SampID: 24080241-002BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Sulfate		10	S	22	20.00	8.190	69.8	22.22	0.36	08/16/202
Batch R351908 SampType:	MS		Units mg/L							
SampID: 24080241-005BMS	<b>a</b> .	DI	0 1	<b>D</b> 1:	g '1	SPK Ref Val	0/ DEC	Low Limit	High Limit	Date Analyzed
Analyses Sulfate	Cert	RL 50	Qual E	Result 253	Spike 100.0	163.1	90.3	85	115	08/16/202
Surrate		50	<b>E</b>	253	100.0	103.1	90.3	65	110	06/16/202
<b>Batch R351908 SampType:</b> SampID: 24080241-005BMSD	MSD		Units mg/L					RPD Lin	nit: <b>10</b>	Б.,
3aHDDD. 24000241-003DIVI3D										Date
·	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Analyses Sulfate	Cert	RL 50	Qual E	Result 257	Spike 100.0	SPK Ref Val	%REC 94.3	RPD Ref Va 253.5	al %RPD 1.56	Analyzed
Analyses					•					Analyzed
Analyses Sulfate  Batch R351908 SampType: SampID: 24080241-011BMS	MS	50	E Units <b>mg/L</b>	257	100.0	163.1	94.3	253.5	1.56	Analyzed 08/16/202 Date
Analyses Sulfate  Batch R351908 SampType: SampID: 24080241-011BMS Analyses		50 RL	Ē	257 Result	100.0 Spike	163.1 SPK Ref Val	94.3 %REC	253.5 Low Limit	1.56 High Limit	Analyzed 08/16/202  Date Analyzed
Analyses Sulfate  Batch R351908 SampType: SampID: 24080241-011BMS	MS	50	E Units <b>mg/L</b>	257	100.0	163.1	94.3	253.5	1.56	Analyzed 08/16/202 Date
Analyses Sulfate  Batch R351908 SampType: SampID: 24080241-011BMS  Analyses Sulfate  Batch R351908 SampType:	<b>MS</b> Cert	50 RL	E Units <b>mg/L</b>	257 Result	100.0 Spike	163.1 SPK Ref Val	94.3 %REC	253.5 Low Limit	1.56  High Limit 115	Analyzed 08/16/202  Date Analyzed
Analyses Sulfate  Batch R351908 SampType: SampID: 24080241-011BMS Analyses Sulfate	<b>MS</b> Cert	50 RL	E Units <b>mg/L</b> Qual	257 Result	100.0 Spike	163.1 SPK Ref Val	94.3 %REC 86.2	253.5 Low Limit 85	1.56  High Limit  115  nit: 10	Analyzed 08/16/202  Date Analyzed



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SW-846 9036 (DISSOLVED)										
Batch R351908 SampType:	MS		Units mg/L							
SampID: 24080857-005CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		500		2070	1000	1132	94.1	85	115	08/16/2024
Batch R351908 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24080857-005CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10		< 10	6.140	0	0	-100	100	07/03/202
Batch R349714 SampType:	LCS		Units mg/L							
SampID: ICV/LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10		19	20.00	0	95.5	90	110	07/03/2024
Batch R349714 SampType:	MS		Units mg/L							
SampID: 24061026-007AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10	S	29	20.00	15.87	65.8	85	115	07/03/202
Batch R349714 SampType:	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	
SampID: 24061026-007AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Sulfate		10	S	29	20.00	15.87	67.8	29.04	1.33	07/03/202
Batch R349714 SampType:	MS		Units mg/L							
SampID: 24070024-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		20		84	40.00	44.59	97.4	90	110	07/03/202



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Batch R349714	SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24070024-00	01AMSD										Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate			20	<b>V</b>	83	40.00	44.59	95.1	83.53	1.11	07/03/202
Batch R349876	SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		< 10	6.140	0	0	-100	100	07/08/202
Batch R349876 SampID: ICV/LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10	Q and	20	20.00	0	101.8	90	110	07/08/2024
Batch R349876	SampType:	MS		Units mg/L							
SampID: 24070428-00	01CMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		31	20.00	12.75	91.8	90	110	07/08/202
Batch R349876	SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SamplD: 24070428-00 Analyses	01CMSD	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Sulfate		CCIT	10	Quui	31	20.00	12.75	90.8	31.12	0.64	07/08/202
Batch R349876	SampType:	MS		Units mg/L							
SampID: 24070460-00	01AMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			50		214	100.0	118.6	95.8	85	115	07/08/202
<b>Batch R349876</b> SamplD: 24070460-00	SampType:	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate		2011	50		217	100.0	118.6	98.0	214.4	1.03	07/08/202
Duten	SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK Analyses			Di	0 1	D 1	G ::	CDI/ Daf Val	0/ DEC	Love Line's	High Line	Date Analyzed
A 1		Cert	RL	Qual	Result	Spike	SPK Ref Val	%KEC	Low Limit	High Limit	/ IIIulyZou



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Batch R349911 Sam	прТуре:	LCS		Units mg/L							
SamplD: ICV/LCS	ip i y pc.	200		Office mg/L							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		CCIT	10	Quui	20	20.00	0	98.1	90	110	07/09/202
<b>Batch R349911 Sam</b> SampID: 24070426-001B	npType: MS	MS		Units mg/L							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			50		149	100.0	51.62	97.6	90	110	07/09/202
- W. C. L.	прТуре:	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	
SampID: 24070426-001B	MSD										Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		•
Sulfate			50		154	100.0	51.62	102.1	149.2	2.99	07/09/202
Dutti	прТуре:	MS		Units mg/L							
SampID: 24070559-001A	MS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			20		85	40.00	46.75	95.1	85	115	07/09/202
Batch R349911 Sam	прТуре:	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	
		MSD		Units mg/L							Date
SampID: 24070559-001Al Analyses		MSD Cert	RL	Units mg/L Qual	Result	Spike	SPK Ref Val		RPD Ref V	al %RPD	Analyzed
SampID: 24070559-001A			RL 20	_	Result 85	Spike 40.00	SPK Ref Val 46.75	%REC 94.6			
SampID: 24070559-001Al				_					RPD Ref V	al %RPD	Analyzed 07/09/202
SampID: 24070559-001Al Analyses Sulfate  Batch R350008 Sam SampID: ICB/MBLK	MSD	Cert	20	Qual Units mg/L	85	40.00		94.6	RPD Ref V	al %RPD 0.24	Analyzed
SampID:         24070559-001Al           Analyses         Sulfate           Batch         R350008         Sam	MSD	Cert		Qual			46.75	94.6	RPD Ref V	al %RPD 0.24	Analyzed 07/09/202
SampID: 24070559-001Al Analyses Sulfate  Batch R350008 Sam SampID: ICB/MBLK Analyses Sulfate	MSD	Cert  MBLK  Cert	20 RL	Qual Units mg/L	85 Result	40.00 Spike	46.75 SPK Ref Val	94.6 %REC	RPD Ref Vi 84.80	al %RPD 0.24 High Limit	O7/09/202  Date Analyzed O7/10/202
SampID: 24070559-001Al Analyses Sulfate  Batch R350008 Sam SampID: ICB/MBLK  Analyses Sulfate  Batch R350008 Sam SampID: ICV/LCS	MSD npType:	Cert  MBLK  Cert	20 RL 10	Qual Units mg/L Qual Units mg/L	Result < 10	40.00 Spike 6.140	46.75 SPK Ref Val	94.6 %REC 0	RPD Ref Vi 84.80	al %RPD  0.24  High Limit  100	O7/09/202  Date Analyzed
SampID: 24070559-001Al Analyses Sulfate  Batch R350008 Sam SampID: ICB/MBLK  Analyses Sulfate  Batch R350008 Sam	MSD npType:	Cert  MBLK  Cert	20 RL	Qual Units mg/L Qual	85 Result	40.00 Spike	46.75 SPK Ref Val 0	94.6 %REC 0	RPD Ref V. 84.80 Low Limit -100	al %RPD  0.24  High Limit  100	Date Analyzed 07/10/202
SampID: 24070559-001Al Analyses Sulfate  Batch R350008 Sam SampID: ICB/MBLK Analyses Sulfate  Batch R350008 Sam SampID: ICV/LCS Analyses Sulfate	MSD npType:	Cert  MBLK  Cert  LCS  Cert	20 RL 10	Qual Units mg/L Qual Units mg/L	Result < 10	Spike 6.140	SPK Ref Val 0 SPK Ref Val	94.6  %REC 0  %REC	RPD Ref Vi 84.80 Low Limit -100	al %RPD  0.24  High Limit  100  High Limit	Date Analyzed  07/09/202  Date Analyzed  07/10/202  Date Analyzed
SampID: 24070559-001Al Analyses Sulfate  Batch R350008 Sam SampID: ICB/MBLK Analyses Sulfate  Batch R350008 Sam SampID: ICV/LCS Analyses Sulfate	mpType:	Cert  MBLK  Cert  LCS  Cert	20 RL 10	Qual Units mg/L Qual Units mg/L Qual	Result < 10	Spike 6.140	SPK Ref Val 0 SPK Ref Val	94.6  %REC 0  %REC	RPD Ref Vi 84.80 Low Limit -100	al %RPD  0.24  High Limit  100  High Limit	Date Analyzed  07/09/202  Date Analyzed  07/10/202  Date Analyzed



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Batch R350008 SampType	: MSD		Units mg/L					RPD Lir	mit: 10	
SamplD: 24061026-054AMSD	. WISD		Office Hig/L					KFD LII	11II. <b>10</b>	Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Sulfate	CCIT	50	Quai	215	100.0	119.9	95.2	214.8	0.12	07/10/202
Batch R350008 SampType SampID: 24070704-001AMS	: MS		Units mg/L							
·	<b>C</b>	DI	0 .1	D 14	G '1	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses	Cert	RL	Qual S	Result	Spike					•
Sulfate		2000	5	9900	4000	6733	79.2	90	110	07/10/202
Batch R350008 SampType	: MSD		Units mg/L					RPD Lir	mit: <b>10</b>	
SamplD: 24070704-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate		2000	S	9880	4000	6733	78.6	9900	0.25	07/10/202
Batch R350166 SampType	: MBLK		Units mg/L							
SampID: ICB/MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10		< 10	6.140	0	0	-100	100	07/12/202
Batch R350166 SampType	: LCS		Units mg/L							
SampID: ICV/LCS			_							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10	<b>3</b>	20	20.00	0	98.4	90	110	07/12/202
Batch R350166 SampType	: MS		Units mg/L							
Sampid: 24061026-011AMS	. IVIS		Office Hig/L							5.
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate	CCIT	20	Quai	97	40.00	58.52	96.6	85	115	07/12/202
- Canada		_0		•	.0.00	00.02	00.0			077127202
Batch R350166 SampType	: MSD		Units mg/L					RPD Lir	mit: <b>10</b>	
SamplD: 24061026-011AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V	al %RPD	Analyzed
Sulfate		20		97	40.00	58.52	95.5	97.15	0.43	07/12/202
Batch R350166 SampType	: MS		Units mg/L							
SampID: 24061026-022AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
		20	S	41	40.00	14.66	66.3	85	115	07/12/202



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Batch R350166 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24061026-022AMSD										Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate		20	S	43	40.00	14.66	69.6	41.19	3.15	07/12/202
Batch         R350166         SampType:           SampID:         24070825-002AMS	MS		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		20		88	40.00	49.27	97.8	85	115	07/13/202
Batch R350166 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24070825-002AMSD	_					00140 4344	0/050	DDD D ()/		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		•
Sulfate		20		92	40.00	49.27	105.6	88.38	3.49	07/13/202
Batch         R350166         SampType:           SampID:         24070832-001CMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10	-	41	20.00	20.54	103.2	90	110	07/12/202
Batch R350166 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SamplD: 24070832-001CMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	RPD Ref V	al %RPD	Date Analyzed
Sulfate	Cert	10	Quai	41	20.00	20.54	104.6	41.17	0.70	07/12/202
Batch R350231 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10		< 10	6.140	0	0	-100	100	07/15/202
Batch R350231 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10		19	20.00	0	94.9	90	110	07/15/202
Batch R350231 SampType:	MS		Units mg/L							Date
SampID: 24070962-001AMS										
SampID: 24070962-001AMS Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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Batch R350231 S	SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24070962-00	1AMSD			_							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Sulfate			20	<b>Q</b> 3333	97	40.00	57.30	98.2	95.73	0.89	07/15/202
Batch R350265 S	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		< 10	6.140	0	0	-100	100	07/16/202
Batch R350265 S	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		19	20.00	0	96.5	90	110	07/16/202
SampID: 24071150-00	SampType: 01BMS	MS	DI	Units mg/L	D. It	G '1	SPK Ref Val	9/ DEC	Low Limit	Lligh Limit	Date Analyzed
Analyses Sulfate		Cert	RL 100	Qual	Result 456	Spike 200.0	261.7	97.4	Low Limit 90	High Limit	07/16/202
	_									-	
<b>Batch R350265</b> SamplD: 24071150-00	SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
Analyses	USINISD	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Sulfate			100		469	200.0	261.7	103.6	456.4	2.67	07/16/202
<b>Batch R350265</b> SampID: 24071151-00	SampType: 01BMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			100		476	200.0	279.1	98.5	90	110	07/16/202
<b>Batch R350265 S</b> SamplD: 24071151-00	SampType: 01BMSD	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Sulfate			100	-	478	200.0	279.1	99.4	476.0	0.40	07/16/202
<b>Batch R350265 S</b> SampID: 24071163-00	SampType: 01AMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
7 tilal y 5C5		0010		<b>Q</b> 0		~ pine					



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Batch R350265	SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SamplD: 24071163-0	01AMSD			_							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Sulfate			10	E	51	20.00	31.51	98.5	50.40	1.59	07/16/202
Batch R350922 SampID: ICB/MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		< 10	6.140	0	0	-100	100	07/29/202
Batch R350922 SampID: ICV/LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		19	20.00	0	94.1	90	110	07/29/202
SampID: 24071132-0	SampType: 01AMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			20	S	75	40.00	43.29	79.1	85	115	07/29/202
Batch R350922	SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24071132-0 Analyses	01AMSD	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Sulfate		CCIT	20	Quai	78	40.00	43.29	86.6	74.94	3.91	07/29/202
<b>Batch R350922</b> SampID: 24071132-0	SampType: 02AMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		37	20.00	16.61	99.6	85	115	07/29/202
<b>Batch R350922</b> SampID: 24071132-0	SampType: 02AMSD	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Sulfate			10		36	20.00	16.61	99.2	36.52	0.22	07/29/202
<b>Batch R350922</b> SampID: 24071132-0	SampType: 10AMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
			50		141	100.0	55.92	85.4	85	115	07/29/202



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DOE0000 0	L)	1400		11-21					DDD III	-1.40	
<b>Batch R350922 S</b> . SamplD: 24071132-010	ampType:	MSD		Units mg/L					RPD Lir	nit: 10	
·	UAIVISD	<b>G</b> .	DI	0 1	D 1	G '1	SPK Ref Val	%REC	RPD Ref V	ol 0/ DDD	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike					•
Sulfate			50		145	100.0	55.92	89.2	141.4	2.59	07/29/202
Batch R350922 S SamplD: 24071132-013	ampType: 3AMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			20		75	40.00	36.86	95.0	85	115	07/29/202
Batch R350922 S	ampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24071132-010	3AMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate			20		74	40.00	36.86	92.2	74.84	1.49	07/29/202
Dutti	ampType:	MS		Units mg/L							
SampID: 24072345-00 <sup>-</sup>	1AMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			200		720	400.0	327.6	98.1	90	110	07/29/202
Batch R350922 S	ampType:	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	
SampID: 24072345-00 <sup>-</sup>	1AMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate			200		718	400.0	327.6	97.7	720.0	0.22	07/29/202
2 40011	ampType:	MS		Units mg/L							
SampID: 24072346-00 <sup>-</sup>	1AMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			200		725	400.0	351.0	93.6	90	110	07/29/202
Dutti	ampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SamplD: 24072346-00	1AMSD	Comt	Dī	Orral	Result	Çm:1	SPK Ref Val	%REC	RPD Ref V	al %RDD	Date Analyzed
Analyses Sulfate		Cert	RL 200	Qual S	709	Spike 400.0	351.0	89.5	725.4	2.28	07/29/202
Ounale			200	3	103	400.0	551.0	03.0	120.4	2.20	011231202
Batch R351845 S SampID: ICB/MBLK	ampType:	MBLK		Units mg/L							Date
							00140 4141	0/050	Laure Liberty	10 11 2	Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	/ iiidiy20d



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SW-846 9036 (TOT											
Batch R351845 SampID: ICV/LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		19	20.00	0	93.8	90	110	08/15/202
<b>Batch R351845</b> SampID: 24071451-0	SampType: 025AMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			50		169	100.0	75.41	93.1	85	115	08/15/202
<b>Batch R351845</b> SampID: 24071451-0	SampType:	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	_
·	,20/ IIVIOD	Cert	RL	Ouel	Result	Spike	SPK Ref Val	%RFC	RPD Ref V	al %RPD	Date Analyzed
Analyses Sulfate		Cert	50	Qual	176	100.0	75.41	100.4	168.5	4.24	08/15/202
Juliate			50		170	100.0	73.41	100.4	100.5	4.24	00/13/202
<b>Batch R351845</b> SampID: 24071451-0	SampType:	MS		Units mg/L							_
·	777AWO	C	DI	0 1	D 14	G '1	SPK Ref Val	% DEC	Low Limit	High Limit	Date Analyzed
Analyses Sulfate		Cert	RL 50	Qual	Result	Spike 100.0	87.05	98.8	85	115	08/15/202
Suilale			30		100	100.0	67.03	90.0	65	115	00/13/202
Batch R351845	SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24071451-0	77AMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate			50		187	100.0	87.05	100.4	185.8	0.87	08/15/202
<b>Batch R351845</b> SampID: 24080820-0	SampType:	MS		Units mg/L							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		Cort	50	E	258	100.0	165.4	92.8	85	115	08/15/202
Batch R351845	SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24080820-0	001AMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate			50	E	258	100.0	165.4	92.2	258.2	0.26	08/15/202
<b>Batch R351845</b> SampID: 24080823-0	SampType: 001AMS	MS		Units mg/L							Date
		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Analyses		CCII	1/17	Ouai	IXCSUII.	DUIKE					



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Batch R351845	SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24080823-0	001AMSD			_							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Sulfate			100	<b>Q</b> 3333	470	200.0	284.1	93.1	487.1	3.50	08/15/202
Batch R351908 SampID: ICB/MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		< 10	6.140	0	0	-100	100	08/16/2024
Batch R351908 SampID: ICV/LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		19	20.00	0	94.3	90	110	08/16/2024
<b>Batch R351908</b> SampID: 24080002-0	SampType: 001AMS	MS		Units mg/L							Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	•
Sulfate			10	E	57	20.00	39.49	85.9	85	115	08/16/202
Batch R351908	SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24080002-0 Analyses	001AMSD	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Sulfate		CCIT	10	E	57	20.00	39.49	86.5	56.67	0.21	08/16/202
<b>Batch R351908</b> SampID: 24080004-0	SampType: 002BMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			50		204	100.0	109.8	94.2	85	115	08/16/202
<b>Batch R351908</b> SampID: 24080004-0	SampType: 002BMSD	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate			50		209	100.0	109.8	99.2	204.0	2.45	08/16/202
Batch R352032 SampID: ICB/MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
			10		< 10	6.140	0	0	-100	100	08/20/202



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	AL)										
Batch R352032 SamplD: ICV/LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10		18	20.00	0	91.5	90	110	08/20/202
<b>Batch R352032</b> SampID: 24080242-0	SampType: 01AMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10	S	30	20.00	13.54	82.6	85	115	08/20/202
<b>Batch R352032</b> SampID: 24080242-0	SampType:	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	
·	UTAWSD	<b>C</b> .	DI	0 1	D 1	G '1	SPK Ref Val	0/ DEC	RPD Ref V	ol 0/ DDD	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike					·
Sulfate			10	S	30	20.00	13.54	83.6	30.06	0.70	08/20/202
2 4	SampType:	MS		Units mg/L							
SampID: 24080242-0	07AMS						00110 1111				Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	J	•
Sulfate			10	S	27	20.00	10.87	80.2	85	115	08/20/202
2411111	SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24080242-0 Analyses	07AMSD	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	RPD Ref V	al %RPD	Date Analyzed
Sulfate		Cert	10	S	27	20.00	10.87	79.2	26.90	0.75	08/20/202
Batch R352032	SampType:	MS		Units mg/L							
SamplD: 24080243-0		0		omo mg/=							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		Cort	100	Quui	452	200.0	268.3	92.0	85	115	08/20/202
Batch R352032	SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24080243-0	01AMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate			100		467	200.0	268.3	99.4	452.3	3.22	08/20/202
	Caman Trum a c	MS		Units mg/L							
	SampType: 04AMS	WIS		<b>.</b>							Doto
<b>Batch R352032</b> SampID: 24080243-0 Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed



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SW-846 9036 (TOTAL)										
Batch R352032 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>10</b>	
SampID: 24080243-004AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Sulfate		100		428	200.0	226.5	100.6	421.4	1.50	08/20/202
Batch         R352032         SampType:           SampID:         24081587-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		200		690	400.0	308.6	95.5	90	110	08/20/202
Batch R352032 SampType:	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	
SampID: 24081587-001AMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Sulfate		200		695	400.0	308.6	96.5	690.4	0.59	08/20/202
<b>Batch R352032 SampType:</b> SampID: 24081588-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		100		494	200.0	304.0	94.8	90	110	08/20/202
<b>Batch R352032 SampType:</b> SampID: 24081588-001AMSD	MSD		Units mg/L					RPD Lir	mit: <b>10</b>	Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Sulfate	CCIT	100	Quai	498	200.0	304.0	96.8	493.6	0.80	08/20/202
SW-846 9066 (TOTAL)										
Batch R350270 SampType: SampID: ICB/MBLK	MBLK		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	07/16/202
Batch R350270 SampType: SampID: MBLK-225747	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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SW-846 9066 (TOT Batch R350270	SampType:	LCS	l	Jnits <b>mg/L</b>							
SamplD: ICV/LCS	oump : ypo:		`	51.11.5 III.5/L							Doto
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Phenols		CCIT	0.005	Quai	0.048	0.0500	0	95.8	90	110	07/16/202
THOROG			0.000		0.040	0.0000	Ü	00.0	00	110	077107202
Batch R350270	SampType:	MS	l	Jnits <b>mg/L</b>							
SampID: 24071098-0	001GMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenols			0.005	S	0.064	0.0500	0.006110	115.8	90	110	07/16/202
										=	
Batch R350270	SampType:	MSD	·	Jnits <b>mg/L</b>					RPD Lir	mit: <b>15</b>	
SampID: 24071098-0	001GMSD										Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Ariaryzeu
Phenols			0.005		0.060	0.0500	0.006110	108.1	0.06402	6.22	07/16/202
Batch R350270	SampType:	MS	l	Jnits <b>mg/L</b>							
SampID: 24071150-0	002CMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Phenols			0.005	S	0.059	0.0500	0	117.6	90	110	07/16/202
D 4 1 B250270	SampType:	MSD		Jnits <b>mg/L</b>					RPD Lir	mit: 45	
<b>Batch R350270</b> SamplD: 24071150-0		MISD	,	Jillio IIIg/L					KFD LII	IIII. <b>13</b>	
	0020W0D	C	DI	0.4	D 1/	G. 1	SPK Ref Val	%PEC	RPD Ref V	al %PDD	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike					
PhenoIs			0.005		0.052	0.0500	0	104.2	0.05879	12.03	07/16/202
SW-846 9214 (DIS	SOLVED)										
Batch R350044	SampType:	MS	l	Jnits <b>mg/L</b>							
SamplD: 24061026-0	041BMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
			0.10		1.83	2.000	0.1780	82.6	75	125	07/11/202
Fluoride											
	SampTvpe:	MSD	_l	Jnits <b>ma/I</b>					RPD I ir	nit: <b>15</b>	
Batch R350044	SampType: 041BMSD	MSD	l	Jnits <b>mg/L</b>					RPD Lir	mit: <b>15</b>	Date
Batch R350044 SamplD: 24061026-0		MSD Cert	RL	Jnits <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	RPD Lir		Date Analyzed



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SW-846 9214 (DISSOLV	ED)									
	Type: MS		Units mg/L							
SampID: 24061026-044BM	S									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		1.93	2.000	0.1960	86.8	75	125	07/11/202
2 44442	Type: MSD		Units mg/L					RPD Lir	mit: <b>15</b>	
SampID: 24061026-044BM	SD									Date Analyzed
Analyses	Cert		Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzeu
Fluoride		0.10		1.96	2.000	0.1960	88.2	1.931	1.54	07/11/202
2 44442	Type: MS		Units mg/L							
SamplD: 24070677-002BM										Date Analyzed
Analyses	Cert		Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	*
Fluoride		0.10		2.07	2.000	0.2200	92.5	75	125	07/11/202
2 44442	Type: MSD		Units mg/L					RPD Lir	mit: <b>15</b>	
SampID: 24070677-002BM		DI	0 .1	D 1	gu.	SPK Ref Val	0/ DEC	RPD Ref V	al %PDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike					•
Fluoride		0.10		2.19	2.000	0.2200	98.6	2.070	5.77	07/11/202
Batch R350044 Samp	Type: MS		Units mg/L							
SampID: 24070879-008BM	S									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		2.43	2.000	0.4330	99.6	75	125	07/11/202
Batch R350044 Samp	Type: MSD		Units mg/L					RPD Lir	mit: <b>15</b>	
SampID: 24070879-008BM	SD									Date
Analyses	Cert		Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Fluoride		0.10		2.43	2.000	0.4330	99.9	2.425	0.25	07/11/202
SW-846 9214 (TOTAL)										
<b>Batch R349705 Sam</b> p SampID: MBLK	Type: MBLK		Units mg/L							Date
						00140 4141	0/050			Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Arialyzea



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Batch R349705 Sar	npType:	LCS		Units mg/L							
SampID: LCS											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.10		1.02	1.000	0	102.4	90	110	07/03/202
<b>Batch R349705 Sar</b> SamplD: 24061026-012A	mpType:	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.10		2.67	2.000	0.5380	106.8	75	125	07/03/202
- u	npType:	MSD		Units mg/L					RPD Lir	mit: <b>15</b>	
SampID: 24061026-012A	MISD	~				~	ODK D-( ) (-1	0/ DEO	DDD D-()/	-I 0/DDD	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		•
Fluoride			0.10		2.60	2.000	0.5380	102.8	2.673	2.96	07/03/202
2 411111	mpType:	MS		Units mg/L							
SampID: 24070169-001A	MS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.10		2.89	2.000	0.6460	112.2	75	125	07/03/202
Batch R349705 Sar	npType:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
SampID: 24070169-001A Analyses	MSD	Cert	RL	Oual	Result	Cmileo	SPK Ref Val	%RFC	RPD Ref V	al %RPD	Date Analyzed
Allalyses		Cert	KL	Ouai	resuit			701 120		a. , o. t. <b>2</b>	
Fluoride			0.10		2.75	Spike 2.000	0.6460	105.1	2.890	5.04	07/03/202
	npType:	MBLK	0.10	Units mg/L			0.6460	105.1	2.890	5.04	07/03/202
Batch R349987 Sar	трТуре:	MBLK	0.10				0.6460	105.1	2.890	5.04	
Batch R349987 Sar	трТуре:	MBLK Cert	0.10				0.6460 SPK Ref Val			5.04 High Limit	07/03/202 Date Analyzed
Batch R349987 Sar SampID: MBLK	прТуре:			Units <b>mg/L</b>	2.75	2.000					Date
Batch R349987 Sar SampID: MBLK Analyses Fluoride	mpType:	Cert	RL	Units <b>mg/L</b>	2.75 Result	2.000 Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Batch R349987 Sar SampID: MBLK  Analyses Fluoride  Batch R349987 Sar		Cert	RL	Units <b>mg/L</b> Qual	2.75 Result	2.000 Spike	SPK Ref Val	%REC 0	Low Limit	High Limit	Date Analyzed 07/10/202
Batch R349987 Sar SampID: MBLK  Analyses Fluoride  Batch R349987 Sar SampID: LCS		Cert	RL 0.10	Units mg/L Qual Units mg/L	2.75  Result < 0.10	2.000 Spike 0.0500	SPK Ref Val	%REC 0	Low Limit -100	High Limit 100	Date Analyzed 07/10/202 Date Analyzed
Batch R349987 Sar SampID: MBLK  Analyses Fluoride  Batch R349987 Sar SampID: LCS  Analyses Fluoride  Batch R349987 Sar	mpType:	Cert	RL 0.10	Units mg/L Qual Units mg/L	Result < 0.10	Spike 0.0500	SPK Ref Val 0 SPK Ref Val	%REC 0 %REC	Low Limit -100 Low Limit	High Limit 100 High Limit	Date Analyzed 07/10/202 Date Analyzed
Batch R349987 Sar SamplD: MBLK  Analyses Fluoride  Batch R349987 Sar SamplD: LCS  Analyses Fluoride	mpType:	Cert  LCS  Cert	RL 0.10	Units mg/L  Qual  Units mg/L  Qual	Result < 0.10	Spike 0.0500	SPK Ref Val 0 SPK Ref Val	%REC 0 %REC	Low Limit -100 Low Limit	High Limit 100 High Limit	Date Analyzed 07/10/202



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Batch R349987 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
SampID: 24061026-006AMSD			_							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Fluoride		0.10	•	2.15	2.000	0.1920	98.0	2.123	1.36	07/10/202
<b>Batch R349987 SampType:</b> SampID: 24061026-061AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		2.42	2.000	0.4220	100.0	75	125	07/10/202
Batch R349987 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
SampID: 24061026-061AMSD	_				~	ODK D-( ) /-!	0/ DEO	DDD D-()/	-1 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		•
Fluoride		0.10		2.44	2.000	0.4220	100.7	2.423	0.49	07/10/202
<b>Batch R349987 SampType:</b> SampID: 24070704-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride	Cort	1.00	Quai	59.9	20.00	39.88	100.0	75	125	07/10/202
Batch R349987 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
SampID: 24070704-001AMSD	a .	<b>D.</b>	0 1	<b>5</b> 1	a "1	CDV Dof Vol	0/ DEC	DDD Def V	al 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		•
Fluoride		1.00		60.2	20.00	39.88	101.8	59.89	0.58	07/10/202
Batch         R349987         SampType:           SampID:         24070726-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		2.81	2.000	0.7350	103.7	75	125	07/10/202
Batch R349987 SampType: SampID: 24070726-001AMSD	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Fluoride		0.10	•	2.81	2.000	0.7350	104.0	2.809	0.18	07/10/202
Batch R350044 SampType: SampID: MBLK	MBLK		Units mg/L							Date
						00110	0/550	Lance Liberty	11: 1 1: 2	Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Allalyzca



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Batch R350044 Sa	ampType:	LCS		Units mg/L							
SampID: LCS											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.10		0.97	1.000	0	97.2	90	110	07/11/202
<b>Batch R350044 Sa</b> SampID: 24061026-055	ampType: SAMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.10		2.85	2.000	0.8270	101.0	75	125	07/11/202
- w	ampType:	MSD		Units mg/L					RPD Lir	mit: <b>15</b>	
SampID: 24061026-055	AIVISD	a	D.	0 1	<b>5</b>	a	CDK D-f \/-l	0/ DEC	DDD D-41/	-I 0/DDD	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		•
Fluoride			0.10		2.84	2.000	0.8270	100.7	2.846	0.21	07/11/202
2 41111	ampType:	MS		Units mg/L							
SampID: 24061026-079	PAMS						00110 1111				Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	·
Fluoride			0.10		1.64	2.000	0	82.2	75	125	07/12/202
Batch R350044 Sa	ampType:	MSD		Units mg/L					RPD Lir	mit: <b>15</b>	
SamplD: 24061026-079	AMSD	C	DI	0 .1	D 1	G. 1	SPK Ref Val	%PEC	RPD Ref V	al %PPD	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	0				07/12/202
Fluoride			0.10		1.00	2.000	U	93.9	1.644	13.29	07/12/202
Batch R351680 Sa SampID: MBLK	атрТуре:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.10		< 0.10	0.0500	0	0	-100	100	08/14/202
Batch R351680 Sa	ampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
			0.10		0.99	1.000	0	98.7	90	110	08/14/202
Fluoride											
Batch R351680 Sa	ampType:	MS		Units mg/L							
		MS Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed



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SW-846 9214 (TOTAL)										
Batch R351680 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
SampID: 24061026-098AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Fluoride		0.10		2.27	2.000	0.3470	96.0	2.263	0.18	08/14/2024
Batch         R351680         SampType:           SampID:         24061026-102AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.10		2.13	2.000	0	106.4	75	125	08/14/2024
Batch R351680 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
SamplD: 24061026-102AMSD		D.		<b>D</b> 1	a	CDK Dat Val	0/ DEC	DDD D-41/	-I 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		•
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 Lir	nit: <b>15</b>	
SamplD: 24080444-001ADUP Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Fluoride	CCIT	0.10	Quai	0.48	Брікс			0.4850	0.41	08/14/2024
SW-846 9251 (DISSOLVED)										
Batch R349718 SampType:	MS		Units mg/L							Data
Batch         R349718         SampType:           SampID:         24061026-053BMS	MS Cert	RL	·	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Batch R349718 SampType:		RL 8	Oual E	Result	Spike 40.00	SPK Ref Val 78.35	%REC 104.5	Low Limit 85	High Limit	
Batch R349718 SampType: SampID: 24061026-053BMS Analyses	Cert		Qual		•				115	Analyzed
Batch R349718 SampType: SampID: 24061026-053BMS  Analyses Chloride  Batch R349718 SampType:	Cert		Qual E		•	78.35	104.5	85 RPD Lir	115 nit: <b>15</b>	Analyzed 07/03/2024 Date
Batch R349718 SampType: SampID: 24061026-053BMS  Analyses Chloride  Batch R349718 SampType:	Cert		Qual E		•		104.5	85	115 nit: <b>15</b>	Analyzed 07/03/2024
Batch R349718 SampType: SampID: 24061026-053BMS  Analyses Chloride  Batch R349718 SampType: SampID: 24061026-053BMSD	Cert	8	Qual E Units mg/L	120	40.00	78.35	104.5	85 RPD Lir	115 nit: <b>15</b>	Analyzed 07/03/2024 Date Analyzed
Batch R349718 SampType: SampID: 24061026-053BMS  Analyses Chloride  Batch R349718 SampType: SampID: 24061026-053BMSD  Analyses Chloride  Batch R349718 SampType:	MSD Cert	8 RL	Qual E Units mg/L Qual	120 Result	40.00 Spike	78.35 SPK Ref Val	104.5 %REC	85 RPD Lir RPD Ref V	115 nit: <b>15</b> al %RPD	Analyzed 07/03/2024  Date Analyzed 07/03/2024
Batch R349718 SampType: SampID: 24061026-053BMS  Analyses Chloride  Batch R349718 SampType: SampID: 24061026-053BMSD  Analyses Chloride	MSD Cert	8 RL	Qual E Units mg/L Qual E	120 Result	40.00 Spike	78.35 SPK Ref Val	104.5 %REC	85 RPD Lir RPD Ref V	115 nit: <b>15</b> al %RPD	Analyzed 07/03/2024 Date



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SW-846 9251 (DISSOLVED)										
Batch R349718 SampType:	MSD		Units mg/L					RPD Lir	mit: <b>15</b>	
SampID: 24070182-002BMSD						00//0 ///				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		
Chloride		20		159	100.0	64.81	94.4	158.6	0.35	07/03/202
Batch         R349718         SampType:           SampID:         24070182-004BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		30	20.00	11.59	91.1	85	115	07/03/202
Batch R349718 SampType:	MSD		Units mg/L					RPD Lir	mit: <b>15</b>	
SamplD: 24070182-004BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride		4		30	20.00	11.59	92.0	29.81	0.64	07/03/202
Batch R349891 SampType:	MS		Units mg/L							
SampID: 24070386-007BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		33	20.00	14.91	90.2	85	115	07/08/202
Batch R349891 SampType:	MSD		Units mg/L					RPD Lir	mit: <b>15</b>	
SamplD: 24070386-007BMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Chloride	Cert	4	Quai	33	20.00	14.91	90.6	32.94	0.24	07/08/202
Cilional		·			20.00	1 1.0 1	00.0	02.01	0.21	011001202
<b>Batch R349943 SampType:</b> SampID: 24061026-062BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		20		156	100.0	62.46	93.0	85	115	07/09/202
<b>Batch R349943 SampType:</b> SampID: 24061026-062BMSD	MSD		Units mg/L					RPD Lir	mit: <b>15</b>	D.,
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Chloride	CCIT	20	Quai	155	100.0	62.46	92.9	155.5	0.07	07/09/202
Batch R349979 SampType:	MS		Units mg/L							
SampID: 24070571-002BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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SW-846 9251 (DISSOLVED)	1405		11-7- 7					DDD		
Batch R349979 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
SampID: 24070571-002BMSD						00140 4344	0/050	DDD D ()/		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		
Chloride		4		43	20.00	25.25	88.2	42.48	0.96	07/10/202
Batch         R350172         SampType:           SampID:         24061026-034BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4	E	55	20.00	36.24	93.0	85	115	07/12/202
Batch R350172 SampType:	MSD		Units mg/L					RPD Lir	mit: <b>15</b>	
SampID: 24061026-034BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride		4	E	54	20.00	36.24	90.0	54.84	1.10	07/12/202
Batch R350234 SampType:	MS		Units mg/L							
SampID: 24071020-004BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		22	20.00	3.050	96.0	85	115	07/15/202
Batch R350234 SampType:	MSD		Units mg/L					RPD Lir	mit: <b>15</b>	
SamplD: 24071020-004BMSD	C	DI	0 1	D 14	G 11	SPK Ref Val	%REC	RPD Ref V	al %PDD	Date Analyzed
Analyses Chloride	Cert	RL 4	Qual	Result 22	Spike 20.00	3.050	97.0	22.24	0.94	07/15/202
Chionae		4		22	20.00	3.050	97.0	22.24	0.94	07/15/202
Batch         R351860         SampType:           SampID:         24080823-001BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		200	-	1520	1000	606.4	91.8	85	115	08/15/202
<b>Batch R351860 SampType:</b> SampID: 24080823-001BMSD	MSD		Units mg/L					RPD Lir	mit: <b>15</b>	D /
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Chloride	COIT	200	Quai	1520	1000	606.4	91.8	1524	0.03	08/15/202
Batch R351860 SampType:	MS		Units mg/L							
SampID: 24080857-005CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Allaryses	COIT		<b>Q</b> 0		70 P					



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SW-846 9251 (DISSOLVED)										
Batch R351860 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
SampID: 24080857-005CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride		4	E	66	20.00	47.08	95.4	66.11	0.09	08/15/202
Batch R351927 SampType:	MS		Units mg/L							
SampID: 24080241-002BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		26	20.00	6.550	96.3	85	115	08/16/2024
<b>Batch R351927 SampType:</b> SampID: 24080241-002BMSD	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride		4	<b>V</b>	26	20.00	6.550	98.2	25.81	1.46	08/16/202
<b>Batch R351927 SampType</b> : SampID: 24080241-005BMS	MS		Units mg/L							_
	Comt	RL	Oval	Dogult	Cmileo	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses Chloride	Cert	20	Qual	Result	Spike 100.0	53.35	93.1	85	115	08/16/202
<b>Batch R351927 SampType:</b> SampID: 24080241-005BMSD	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
•	Comt	RL	Oval	Dogult	Cmileo	SPK Ref Val	%RFC	RPD Ref V	al %RPD	Date Analyzed
Analyses Chloride	Cert	20	Qual	Result	Spike 100.0	53.35	93.1	146.5	0.00	08/16/202
Chloride		20		140	100.0	33.33	93.1	140.5	0.00	00/10/202
Batch         R351927         SampType:           SampID:         24080241-011BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		47	20.00	28.53	91.8	85	115	08/16/202
Batch R351927 SampType:	MSD		Units mg/L					RPD Lir	mit: <b>15</b>	
SamplD: 24080241-011BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride		4		47	20.00	28.53	91.4	46.88	0.13	08/16/202



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Batch R349718 Samp	оТуре:	MBLK		Units mg/L							
SampID: ICB/MBLK	, ,,,										Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4	•	< 4	0.5000	0	0	-100	100	07/03/202
Batch R349718 Samp SampID: ICV/LCS	оТуре:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4		20	20.00	0	99.3	90	110	07/03/202
<b>Batch R349718 Samp</b> SampID: 24061026-007AM	p <b>Type:</b> 1S	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4	E	66	20.00	46.93	97.7	85	115	07/03/202
	рТуре:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
SampID: 24061026-007AN	ISD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride			4	Е	67	20.00	46.93	99.0	66.46	0.39	07/03/202
2	оТуре:	MS		Units mg/L							
SampID: 24070024-001AN	1S	C	DI	0 1	D 1/	G., 1	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses Chloride		Cert	RL 4	Qual	Result 45	Spike 20.00	28.10	85.6	85	115	07/03/202
- Crimonido			•			20.00	20.10	00.0		110	01700/202
<b>Batch R349718 Samp</b> SampID: 24070024-001AM	oType: ISD	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride			4		46	20.00	28.10	89.1	45.22	1.54	07/03/202
Batch R349891 Samp SampID: ICB/MBLK	рТуре:	MBLK		Units <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
			4		< 4	0.5000	0	0	-100	100	07/08/202
Chloride											
Batch R349891 Samp	рТуре:	LCS		Units mg/L							Date
	оТуре:	<b>LCS</b> Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed



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Batch R349891 SampType:	MS		Units mg/L							
SampID: 24070428-001CMS			J							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4	E	51	20.00	34.10	85.3	85	115	07/08/2024
Batch R349891 SampType:	MSD		Units mg/L					RPD Lin	nit: <b>15</b>	
SampID: 24070428-001CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Chloride		4	E	52	20.00	34.10	89.5	51.15	1.65	07/08/2024
Batch R349943 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		< 4	0.5000	0	0	-100	100	07/09/2024
Batch R349943 SampType:	LCS		Units mg/L							
SampID: ICV/LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		20	20.00	0	98.7	90	110	07/09/202
Batch R349943 SampType:	MS		Units mg/L							
Batch         R349943         SampType:           SampID:         24070426-001BMS	MS		Units mg/L							Date
	MS Cert	RL	Units mg/L Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: 24070426-001BMS		RL 4		Result 24	Spike 20.00	SPK Ref Val	%REC 99.6	Low Limit 85	High Limit	
SampID: 24070426-001BMS  Analyses Chloride  Batch R349943 SampType:	Cert				·				115	Analyzed 07/09/202
SampID: 24070426-001BMS  Analyses Chloride  Batch R349943 SampType: SampID: 24070426-001BMSD	Cert MSD	4	Qual Units mg/L	24	20.00			85	115 nit: <b>15</b>	Analyzed
SampID: 24070426-001BMS  Analyses Chloride  Batch R349943 SampType:	Cert		Qual		·	3.650	99.6	85 RPD Lin	115 nit: <b>15</b>	Analyzed 07/09/202 Date
SampID: 24070426-001BMS  Analyses Chloride  Batch R349943 SampType: SampID: 24070426-001BMSD  Analyses	Cert  MSD  Cert	4 RL	Qual Units mg/L	24 Result	20.00 Spike	3.650 SPK Ref Val	99.6 %REC	85 RPD Lin RPD Ref Va	115 nit: <b>15</b>	Analyzed 07/09/202  Date Analyzed
SampID: 24070426-001BMS  Analyses Chloride  Batch R349943 SampType: SampID: 24070426-001BMSD  Analyses Chloride  Batch R349943 SampType:	Cert  MSD  Cert	4 RL	Qual Units mg/L Qual	24 Result	20.00 Spike	3.650 SPK Ref Val	99.6 %REC	85 RPD Lin RPD Ref Va	115 nit: <b>15</b>	O7/09/202  Date Analyzed  07/09/202
SampID: 24070426-001BMS  Analyses Chloride  Batch R349943 SampType: SampID: 24070426-001BMSD  Analyses Chloride  Batch R349943 SampType: SampID: 24070559-001AMS	MSD  Cert  MS	RL 4	Qual Units mg/L Qual Units mg/L	Result 23	20.00 Spike 20.00	3.650 SPK Ref Val 3.650	99.6 %REC 99.0	RPD Lin RPD Ref Va 23.56	115 nit: <b>15</b> al %RPD 0.43	Analyzed 07/09/202  Date Analyzed 07/09/202  Date
SampID: 24070426-001BMS  Analyses Chloride  Batch R349943 SampType: SampID: 24070426-001BMSD  Analyses Chloride  Batch R349943 SampType: SampID: 24070559-001AMS  Analyses Chloride  Batch R349943 SampType:	MSD Cert MS Cert	RL 4	Qual Units mg/L Qual Units mg/L	Result 23	Spike 20.00 Spike	SPK Ref Val 3.650	99.6  %REC 99.0  %REC	RPD Lin RPD Ref Va 23.56  Low Limit	115 nit: <b>15</b> al %RPD 0.43  High Limit 115	Date Analyzed 07/09/202  Date Analyzed 07/09/202  Date Analyzed
SampID: 24070426-001BMS  Analyses Chloride  Batch R349943 SampType: SampID: 24070426-001BMSD  Analyses Chloride  Batch R349943 SampType: SampID: 24070559-001AMS  Analyses Chloride  Chloride	MSD Cert MS Cert	RL 4	Qual Units mg/L Qual Units mg/L Qual	Result 23	Spike 20.00 Spike	SPK Ref Val 3.650	99.6  %REC 99.0  %REC	RPD Lin RPD Ref Va 23.56  Low Limit 85	115 nit: <b>15</b> al %RPD 0.43  High Limit 115	Analyzed 07/09/202  Date Analyzed 07/09/202  Date Analyzed Analyzed



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	SampType:	MRIK		Units mg/L							
Batch R349979 SampID: ICB/MBLK	Samp Type.	WIDLK		Office Ing/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4		< 4	0.5000	0	0	-100	100	07/10/202
Batch R349979 SampID: ICV/LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4		20	20.00	0	98.0	90	110	07/10/202
<b>Batch R349979</b> SampID: 24061026-0	SampType: 054AMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			20		166	100.0	76.84	88.9	85	115	07/10/202
Batch R349979	SampType:	MSD		Units mg/L					RPD Lir	mit: <b>15</b>	
SampID: 24061026-0	054AMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride			20		164	100.0	76.84	86.8	165.7	1.23	07/10/202
	SampType:	MS		Units mg/L							
<b>Batch R349979</b> SamplD: 24070656-0		MS Cert	RL	Units mg/L Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
			RL 8	_	Result 62	Spike 40.00	SPK Ref Val 25.31	%REC 92.9	Low Limit 85	High Limit	Analyzed
SampID: 24070656-0 Analyses Chloride  Batch R349979	SampType:			_						115	Analyzed
SampID: 24070656-0 Analyses Chloride  Batch R349979	SampType:	Cert	8	Qual		40.00			85	115 mit: <b>15</b>	Analyzed
SampID:       24070656-0         Analyses       Chloride         Batch       R349979         SampID:       24070656-0	SampType:	Cert		Qual Units mg/L	62		25.31	92.9	85 RPD Lir	115 mit: <b>15</b>	Analyzed 07/10/202  Date Analyzed
SampID: 24070656-0 Analyses Chloride  Batch R349979 SampID: 24070656-0 Analyses	SampType: D01AMSD SampType:	Cert  MSD  Cert	8 RL	Qual Units mg/L	62 Result	40.00 Spike	25.31 SPK Ref Val	92.9 %REC	85 RPD Lir RPD Ref V	115 mit: <b>15</b> al %RPD	Analyzed 07/10/202  Date Analyzed
SamplD: 24070656-0 Analyses Chloride  Batch R349979 SamplD: 24070656-0 Analyses Chloride  Batch R349979	SampType: D01AMSD SampType:	Cert  MSD  Cert	8 RL	Qual Units mg/L Qual	62 Result	40.00 Spike	25.31 SPK Ref Val	92.9 %REC 94.7	85 RPD Lir RPD Ref V	115 mit: <b>15</b> al %RPD 1.18	O7/10/202  Date Analyzed  07/10/202
SampID: 24070656-0 Analyses Chloride  Batch R349979 SampID: 24070656-0 Analyses Chloride  Batch R349979 SampID: 24070704-0	SampType: D01AMSD SampType:	Cert  MSD  Cert	8 RL 8	Qual Units mg/L Qual Units mg/L	Result 63	40.00 Spike 40.00	25.31 SPK Ref Val 25.31	92.9 %REC 94.7	RPD Lir RPD Ref V 62.46	115 mit: <b>15</b> al %RPD 1.18	Date Analyzed 07/10/202
SampID: 24070656-0 Analyses Chloride  Batch R349979 SampID: 24070656-0 Analyses Chloride  Batch R349979 SampID: 24070704-0 Analyses Chloride  Batch R349979  SampID: 24070704-0 Analyses Chloride	SampType: D01AMS SampType: D01AMS SampType:	MSD  Cert  MS  Cert	RL 8	Qual Units mg/L Qual Units mg/L	Result 63 Result	Spike 40.00  Spike	SPK Ref Val 25.31 SPK Ref Val	92.9  %REC 94.7  %REC	RPD Lir RPD Ref V 62.46	115 mit: <b>15</b> al %RPD 1.18  High Limit 115	Date Analyzed  07/10/202  Date Analyzed  07/10/202  Date Analyzed
SampID: 24070656-0 Analyses Chloride  Batch R349979 SampID: 24070656-0 Analyses Chloride  Batch R349979 SampID: 24070704-0 Analyses	SampType: D01AMS SampType: D01AMS SampType:	MSD  Cert  MS  Cert	RL 8	Qual Units mg/L Qual Units mg/L Qual	Result 63 Result	Spike 40.00  Spike	SPK Ref Val 25.31 SPK Ref Val	92.9  %REC 94.7  %REC 91.5	RPD Lir RPD Ref V 62.46 Low Limit	115 mit: <b>15</b> al %RPD 1.18  High Limit 115	Date Analyzed  07/10/202  Date Analyzed  07/10/202  Date Analyzed



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Batch R350172 SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		< 4	0.5000	0	0	-100	100	07/12/2024
Batch R350172 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		20	20.00	0	97.9	90	110	07/12/2024
Batch R350172 SampType: SampID: 24061026-011AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		8		91	40.00	54.41	91.0	85	115	07/12/2024
Batch R350172 SampType:	MSD		Units mg/L					RPD Lir	mit: <b>15</b>	
SamplD: 24061026-011AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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				Result	Snike	SPK Ref Val	%REC	Low Limit	Hiah Limit	Date Analyzed
	MS Cert	RL 8	Units <b>mg/L</b> Qual	Result	Spike 40.00	SPK Ref Val 43.40	%REC 89.2	Low Limit 85	High Limit	
SampID: 24070740-001AMS  Analyses Chloride  Batch R350172 SampType:		RL 8							115	Analyzed
SampID:         24070740-001AMS           Analyses         Chloride           Batch         R350172         SampType:           SampID:         24070740-001AMSD	Cert MSD	RL 8	Qual Units mg/L	79	40.00	43.40	89.2	85 RPD Lir	115 mit: <b>15</b>	Analyzed 07/12/2024 Date
SampID: 24070740-001AMS  Analyses Chloride  Batch R350172 SampType: SampID: 24070740-001AMSD  Analyses	Cert	RL 8	Qual	79 Result	40.00 Spike	43.40 SPK Ref Val	89.2 %REC	85 RPD Lir RPD Ref V	115 mit: <b>15</b> al %RPD	Analyzed 07/12/2024 Date Analyzed
SampID:         24070740-001AMS           Analyses         Chloride           Batch         R350172         SampType:           SampID:         24070740-001AMSD	Cert MSD	RL 8	Qual Units mg/L	79	40.00	43.40	89.2	85 RPD Lir	115 mit: <b>15</b>	Analyzed 07/12/2024 Date
SampID: 24070740-001AMS  Analyses Chloride  Batch R350172 SampType: SampID: 24070740-001AMSD  Analyses	Cert  MSD  Cert	RL 8 RL 8	Qual Units mg/L	79 Result	40.00 Spike	43.40 SPK Ref Val	89.2 %REC	85 RPD Lir RPD Ref V	115 mit: <b>15</b> al %RPD	Analyzed 07/12/202-
SampID: 24070740-001AMS  Analyses Chloride  Batch R350172 SampType: SampID: 24070740-001AMSD  Analyses Chloride  Batch R350172 SampType:	Cert  MSD  Cert	RL 8 RL 8	Qual Units mg/L Qual	79 Result	40.00 Spike	43.40 SPK Ref Val	89.2 %REC 87.7	85 RPD Lir RPD Ref V	115 mit: <b>15</b> al %RPD	Analyzed  07/12/2024  Date Analyzed  07/12/2024
SampID: 24070740-001AMS  Analyses Chloride  Batch R350172 SampType: SampID: 24070740-001AMSD  Analyses Chloride  Batch R350172 SampType: SampID: 24070825-002AMS	MSD  Cert  MS	RL 8	Qual Units mg/L Qual Units mg/L	79  Result 78	40.00 Spike 40.00	43.40 SPK Ref Val 43.40	89.2 %REC 87.7	85 RPD Lir RPD Ref V 79.08	115 mit: <b>15</b> al %RPD 0.77	Date Analyzed  07/12/2024  Date Analyzed  07/12/2024
SampID: 24070740-001AMS  Analyses Chloride  Batch R350172 SampType: SampID: 24070740-001AMSD  Analyses Chloride  Batch R350172 SampType: SampID: 24070825-002AMS  Analyses Chloride  Batch R350172 SampType: SampID: 24070825-002AMS  Analyses Chloride	MSD  Cert  MS	RL 8  RL 8	Qual Units mg/L Qual Units mg/L	Result 78 Result	Spike 40.00  Spike	SPK Ref Val 43.40 SPK Ref Val	%REC 87.7	RPD Lir RPD Ref V 79.08	115 mit: <b>15</b> al %RPD 0.77  High Limit 115	Analyzed  07/12/2024  Date Analyzed  07/12/2024  Date Analyzed
SampID: 24070740-001AMS  Analyses Chloride  Batch R350172 SampType: SampID: 24070740-001AMSD  Analyses Chloride  Batch R350172 SampType: SampID: 24070825-002AMS  Analyses Chloride  Chloride	Cert  MSD  Cert  MS  Cert	RL 8  RL 8	Qual Units mg/L Qual Units mg/L Qual	Result 78 Result	Spike 40.00  Spike	SPK Ref Val 43.40 SPK Ref Val	%REC 87.7	RPD Lir RPD Ref V 79.08 Low Limit	115 mit: <b>15</b> al %RPD 0.77  High Limit 115	Analyzed  07/12/202  Date Analyzed  07/12/202  Date Analyzed



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MS		Units mg/L							
		J							Date
Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	4	•	28	20.00	8.540	97.2	85	115	07/12/202
MSD		Units mg/L					RPD Lin	nit: <b>15</b>	
_					00140 4141	0/DE0	DDD D ()/		Date Analyzed
Cert		Qual							•
	4		28	20.00	8.540	97.0	27.97	0.11	07/12/202
MS		Units mg/L							Date
Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	40	•	275	200.0	89.97	92.8	85	115	07/13/202
MSD		Units mg/L					RPD Lin	nit: <b>15</b>	
									Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
	40		274	200.0	89.97	92.1	275.5	0.45	07/13/202
MBLK		Units mg/L							
									Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	4		< 4	0.5000	0	0	-100	100	07/15/202
LCS		Units mg/L							Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	4		20	20.00	0	98.8	90	110	07/15/202
MS		Units mg/L							Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	20		149	100.0	55.25	94.0	85	115	07/15/202
MSD		Units mg/L					RPD Lin	nit: <b>15</b>	
MSD		Units mg/L					RPD Lin	nit: <b>15</b>	Date Analyzed
	MS Cert  MSD Cert  MBLK Cert  LCS Cert	MSD	MSD         Units mg/L           Cert         RL         Qual           MS         Units mg/L           Cert         RL         Qual           40         Units mg/L           Cert         RL         Qual           40         Units mg/L           Cert         RL         Qual           4         Units mg/L           LCS         Units mg/L           MS         Units mg/L           MS         Units mg/L	MSD       Units mg/L         Cert       RL       Qual       Result         4       28         MS       Units mg/L         Cert       RL       Qual       Result         40       275         MSD       Units mg/L         Cert       RL       Qual       Result         40       274         MBLK       Units mg/L         Cert       RL       Qual       Result         4       4       4         LCS       Units mg/L         Cert       RL       Qual       Result         A       20	MSD       Units mg/L         Cert       RL       Qual Result 28       Spike 20.00         MS       Units mg/L       Spike 200.00         MSD       Units mg/L Units mg/L       Spike 275       200.0         MSD       Units mg/L Units mg/L       Spike 274       200.0         MBLK       Units mg/L Units mg/L       Spike 4       Spike 4       Spike 20.5000         LCS       Units mg/L Units mg/L       Spike 20.000         MS       Units mg/L	MSD	MSD         Units mg/L           Cert         RL         Qual Result Spike SPK Ref Val 28         SPK Ref Val 20.00         %REC           MS         Units mg/L         Vrits mg/L         Vrits mg/L         SPK Ref Val 30.00         %REC           Cert         RL         Qual Result Spike 200.0         SPK Ref Val 30.00         %REC           MSD         Units mg/L         Vrits mg/L         Vrits mg/L         SPK Ref Val 30.00         %REC           MBLK         Units mg/L         Spike 30.00         SPK Ref Val 30.00         %REC           Cert         RL         Qual Result Spike 30.00         SPK Ref Val 30.00         %REC           LCS         Units mg/L         SPK Ref Val 30.00         %REC           Cert         RL         Qual 30.00         Result 30.00         SPK Ref Val 30.00         %REC           Cert         RL         Qual 30.00         Result 30.00         SPK Ref Val 30.00         %REC           Cert         RL         Qual 30.00         Result 30.00         SPK Ref Val 30.00         %REC           Cert         RL         Qual 30.00         Result 30.00         SPK Ref Val 30.00         %REC           Cert         RL         Qual 30.00         Result 30.00	MSD	MSD



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Batch R350317	SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK				g							Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4	<b>Q</b>	< 4	0.5000	0	0	-100	100	07/16/202
Batch R350317 SampID: ICV/LCS	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4		20	20.00	0	100.1	90	110	07/16/202
<b>Batch R350317</b> SamplD: 24071150-	SampType: 001BMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4		24	20.00	4.900	97.0	85	115	07/16/202
Batch R350317	SampType:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
SamplD: 24071150- Analyses	001BMSD	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	RPD Ref V	al %RPD	Date Analyzed
Chloride		CCIT	4	Quai	25	20.00	4.900	98.7	24.30	1.39	07/16/202
Batch R350317	SampType:	MS		Units mg/L							
SamplD: 24071163-	001AMS	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Analyses Chloride		Cert	4	E	50	20.00	32.17	89.7	85	115	07/16/202
Batch R350317	SampType:	MSD		Units mg/L					RPD Lir	mit: <b>15</b>	
SamplD: 24071163- Analyses	001AMSD	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Chloride		CCIT	4	E	51	20.00	32.17	92.4	50.11	1.05	07/16/202
Batch R350942 SampID: ICB/MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride			4	-	< 4	0.5000		0	-100	100	07/29/202
Batch R350942	SampType:	LCS		Units mg/L							Date
Sampid: ICV/LCS											- 4.0
SampID: ICV/LCS Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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<b>Batch R350942 SampType:</b> SampID: 24071132-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		33	20.00	14.64	91.7	85	115	07/29/202
Batch R350942 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
SamplD: 24071132-001AMSD	~				~	0DK D-(1)/-1	0/050	DDD D-()/	-1 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		,
Chloride		4		33	20.00	14.64	90.4	32.97	0.79	07/29/202
<b>Batch R350942 SampType:</b> SampID: 24071132-002AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4	•	37	20.00	19.34	90.2	85	115	07/29/202
Batch R350942 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
SampID: 24071132-002AMSD			-							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Chloride		4		37	20.00	19.34	88.4	37.39	0.97	07/29/202
Batch R350942 SampType:	MS		Units mg/L							
SampID: 24071132-013AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		8	E	123	40.00	84.65	95.8	85	115	07/29/202
Batch R350942 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
SamplD: 24071132-013AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Chloride		8	Е	121	40.00	84.65	91.7	123.0	1.34	07/29/202
<b>Batch R350942 SampType:</b> SampID: 24071773-005AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride	2011	80	y uui	668	400.0	315.5	88.1	85	115	07/29/202
Ratch R350942 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
Batch Roousez Samprype.			_							
<b>Batch R350942 SampType:</b> SampID: 24071773-005AMSD										Date
	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed



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Batch R350942 SampType:	MS		Units mg/L							
SampID: 24071875-002AMS			oe <b>g</b> . <b>_</b>							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride	Cort	40	Çuui	363	200.0	188.6	87.3	85	115	07/29/202
Batch R350942 SampType:	MSD		Units mg/L					RPD Lin	nit: <b>15</b>	
SamplD: 24071875-002AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Chloride		40		364	200.0	188.6	87.5	363.1	0.13	07/29/2024
<b>Batch R350942 SampType:</b> SampID: 24072346-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4	•	27	20.00	8.420	95.0	85	115	07/29/2024
Batch R350942 SampType:	MSD		Units mg/L					RPD Lin	nit: <b>15</b>	
SampID: 24072346-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	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		DY	_	D. I	a 11	SDK Bof Vol	0/ DEC	Low Limit	Lliah Limit	Date Analyzed
SampID: ICB/MBLK  Analyses	MBLK Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val		Low Limit		Analyzed
SampID: ICB/MBLK		RL 4	_	Result	Spike 0.5000		%REC	Low Limit	High Limit	
SampID: ICB/MBLK  Analyses	Cert		_		·					Analyzed
SampID: ICB/MBLK  Analyses Chloride  Batch R351860 SampType:	Cert		Qual		·		0			Analyzed 08/15/2024
SampID: ICB/MBLK  Analyses Chloride  Batch R351860 SampType: SampID: ICV/LCS	Cert	4	Qual Units mg/L	<4	0.5000	0	0	-100	100	Analyzed 08/15/2024 Date
SampID: ICB/MBLK  Analyses Chloride  Batch R351860 SampType: SampID: ICV/LCS  Analyses Chloride  Batch R351860 SampType:	Cert  LCS  Cert	4 RL	Qual Units mg/L	<4 Result	0.5000 Spike	0 SPK Ref Val	0 %REC	-100 Low Limit	100 High Limit	Analyzed 08/15/202-
SampID: ICB/MBLK  Analyses Chloride  Batch R351860 SampType: SampID: ICV/LCS  Analyses Chloride  Batch R351860 SampType: SampID: 24080717-002AMS	Cert  LCS  Cert	4 RL	Qual Units mg/L Qual	<4 Result	0.5000 Spike	0 SPK Ref Val	0 %REC	-100 Low Limit	100 High Limit	O8/15/202
SampID: ICB/MBLK  Analyses Chloride  Batch R351860 SampType: SampID: ICV/LCS  Analyses Chloride  Batch R351860 SampType:	Cert  LCS  Cert	RL 4	Qual Units mg/L Qual Units mg/L	Result 20	0.5000 Spike 20.00	O SPK Ref Val O	%REC 98.3	-100 Low Limit 90	100 High Limit 110	Date Analyzed 08/15/202
SampID: ICB/MBLK  Analyses Chloride  Batch R351860 SampType: SampID: ICV/LCS  Analyses Chloride  Batch R351860 SampType: SampID: 24080717-002AMS  Analyses Chloride  Batch R351860 SampType:	Cert  LCS  Cert	RL 4	Qual Units mg/L Qual Units mg/L	Result 20	Spike 20.00	SPK Ref Val 0 SPK Ref Val	%REC 98.3	Low Limit	High Limit 110  High Limit 115	Date Analyzed 08/15/202
SampID: ICB/MBLK  Analyses Chloride  Batch R351860 SampType: SampID: ICV/LCS  Analyses Chloride  Batch R351860 SampType: SampID: 24080717-002AMS  Analyses Chloride	Cert  LCS  Cert  MS  Cert	RL 4	Qual Units mg/L Qual Units mg/L Qual H	Result 20	Spike 20.00	SPK Ref Val 0 SPK Ref Val	%REC 98.3	Low Limit 90  Low Limit 85	High Limit 110  High Limit 115	Date Analyzed 08/15/202  Date Analyzed 08/15/202  Date Analyzed



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Batch R351860 SampType:	MS		Units mg/L							
SampID: 24080855-004AMS			J							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		80		872	400.0	507.2	91.1	85	115	08/15/202
Batch R351860 SampType:	MSD		Units mg/L					RPD Lin	nit: <b>15</b>	
SampID: 24080855-004AMSD	<b>G</b> .	DI	0 1	D 1	G '1	SPK Ref Val	0/ DEC	DDD Def V	al 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike			RPD Ref Va		-
Chloride		80		858	400.0	507.2	87.8	871.7	1.54	08/15/202
Batch R351927 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4	•	< 4	0.5000	0	0	-100	100	08/16/202
Batch R351927 SampType:	LCS		Units mg/L							
SampID: ICV/LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		20	20.00	0	99.0	90	110	08/16/202
Batch R351927 SampType:	MS		Units mg/L							
<b>Batch R351927 SampType:</b> SampID: 24080002-001AMS	MS		Units mg/L							Date
	MS Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: 24080002-001AMS		RL 4	_	Result	Spike 20.00	SPK Ref Val 2.650	%REC 97.6	Low Limit 85	High Limit	
SampID: 24080002-001AMS  Analyses Chloride  Batch R351927 SampType:			_		·				115	Analyzed
SampID: 24080002-001AMS  Analyses Chloride  Batch R351927 SampType: SampID: 24080002-001AMSD	Cert	4	Qual Units mg/L	22	20.00	2.650	97.6	85 RPD Lin	115 nit: <b>15</b>	Analyzed 08/16/202
SampID: 24080002-001AMS  Analyses Chloride  Batch R351927 SampType:	Cert		Qual		·		97.6	85	115 nit: <b>15</b>	Analyzed  08/16/202  Date Analyzed
SampID: 24080002-001AMS  Analyses Chloride  Batch R351927 SampType: SampID: 24080002-001AMSD  Analyses Chloride	Cert  MSD  Cert	4 RL	Qual Units mg/L Qual	22 Result	20.00 Spike	2.650 SPK Ref Val	97.6 %REC	85 RPD Lin RPD Ref Va	115 nit: <b>15</b> al %RPD	Analyzed 08/16/202
SampID: 24080002-001AMS  Analyses Chloride  Batch R351927 SampType: SampID: 24080002-001AMSD  Analyses Chloride  Batch R351927 SampType:	Cert  MSD  Cert	4 RL	Qual Units mg/L	22 Result	20.00 Spike	2.650 SPK Ref Val	97.6 %REC	85 RPD Lin RPD Ref Va	115 nit: <b>15</b> al %RPD	Analyzed  08/16/202  Date Analyzed
SampID: 24080002-001AMS  Analyses Chloride  Batch R351927 SampType: SampID: 24080002-001AMSD  Analyses Chloride  Batch R351927 SampType:	Cert  MSD  Cert	4 RL	Qual Units mg/L Qual	22 Result	20.00 Spike	2.650 SPK Ref Val	97.6 %REC 97.2	85 RPD Lin RPD Ref Va	115 nit: <b>15</b> al %RPD	O8/16/202  Date Analyzed  08/16/202
SampID: 24080002-001AMS  Analyses Chloride  Batch R351927 SampType: SampID: 24080002-001AMSD  Analyses Chloride  Batch R351927 SampType: SampID: 24080004-002BMS	Cert  MSD  Cert	RL 4	Qual Units mg/L Qual Units mg/L	Result 22	20.00 Spike 20.00	2.650 SPK Ref Val 2.650	97.6 %REC 97.2	85 RPD Lin RPD Ref Va 22.17	115 nit: <b>15</b> al %RPD 0.36	Date Analyzed 08/16/202
SampID: 24080002-001AMS  Analyses Chloride  Batch R351927 SampType: SampID: 24080002-001AMSD  Analyses Chloride  Batch R351927 SampType: SampID: 24080004-002BMS  Analyses Chloride	Cert  MSD  Cert	RL 4	Qual Units mg/L Qual Units mg/L	Result 22	Spike 20.00 Spike	SPK Ref Val 2.650	97.6  %REC  97.2  %REC	RPD Lin RPD Ref Va 22.17  Low Limit	115 nit: <b>15</b> al %RPD 0.36  High Limit 115	Date Analyzed  08/16/202  Date Analyzed  08/16/202  Date Analyzed
SampID: 24080002-001AMS  Analyses Chloride  Batch R351927 SampType: SampID: 24080002-001AMSD  Analyses Chloride  Batch R351927 SampType: SampID: 24080004-002BMS  Analyses Chloride	Cert  MSD  Cert  MS  Cert	RL 4	Qual Units mg/L Qual Units mg/L Qual	Result 22	Spike 20.00 Spike	SPK Ref Val 2.650	97.6  %REC  97.2  %REC	RPD Lin RPD Ref Va 22.17  Low Limit 85	115 nit: <b>15</b> al %RPD 0.36  High Limit 115	Date Analyzed  08/16/202  Date Analyzed  08/16/202  Date Analyzed



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SW-846 9251 (TOTAL)	MC		Linita manufi							
<b>Batch R351927 SampType:</b> SampID: 24080876-001AMS	MS		Units mg/L							Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40	A mm	353	200.0	142.9	104.9	85	115	08/16/202
Batch R351927 SampType:	MSD		Units mg/L					RPD Lin	nit: <b>15</b>	
SampID: 24080876-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Chloride		40		346	200.0	142.9	101.7	352.6	1.84	08/16/202
Batch R352062 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4	•	< 4	0.5000	0	0	-100	100	08/20/202
Batch R352062 SampType:	LCS		Units mg/L							
SampID: ICV/LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4		20	20.00	0	98.6	90	110	08/20/202
Batch R352062 SampType:	MS		Units mg/L							
SamplD: 24080242-001AMS	C	DI	0 .1	D 1	G. H.	SPK Ref Val	%PEC	Low Limit	High Limit	Date Analyzed
Analyses Chloride	Cert	RL 4	Qual	Result 47	Spike 20.00	28.68	91.0	85	115	08/20/202
Chloride		7		71	20.00	20.00	91.0	03	113	00/20/202
<b>Batch R352062 SampType:</b> SampID: 24080242-001AMSD	MSD		Units mg/L					RPD Lin	nit: <b>15</b>	Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Chloride		4	•	46	20.00	28.68	89.0	46.87	0.84	08/20/202
Batch R352062 SampType: SampID: 24080242-007AMS	MS		Units mg/L							
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride	2011	4	E	55	20.00	37.19	87.8	85	115	08/20/202
Batch R352062 SampType:	MSD		Units mg/L					RPD Lin	nit: <b>15</b>	
SampID: 24080242-007AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Chloride		4	Е	55	20.00	37.19	87.0	54.74	0.26	08/20/202



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Batch R352062 SampType:	MS		Units mg/L							
SamplD: 24080243-001AMS			Office Hig/L							Data
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 Lir	nit: <b>15</b>	
SampID: 24080243-001AMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Chloride		20	<b>V</b>	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 Lir	nit: <b>15</b>	
SampID: 24080243-004AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Chloride		40		359	200.0	175.5	91.8	358.5	0.20	08/20/2024
<b>Batch R352062 SampType:</b> SampID: 24081588-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		4	<b>4</b>	27	20.00	8.000	97.2	85	115	08/20/202
Batch R352062 SampType:	MSD		Units mg/L					RPD Lir	nit: <b>15</b>	
SampID: 24081588-001AMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
1 11141 / 5005	COIL	111	Quui	1100411	Spire					



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A 1 17500 CommT	LS BY ICP	-								
Batch 225285 SampType: SampID: MBLK-225285	MBLK	U	nits <b>mg/L</b>							
·	<b>G</b> .	DI	0 1	D 1	G '1	SPK Ref Val	0/ DEC	Low Limit	High Limit	Date Analyzed
Analyses Calcium	Cert	RL 0.100	Qual	< 0.100	Spike					-
					0.0350		0	-100	100	07/05/202
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	07/09/202
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	07/09/202
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	07/05/202
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	07/09/202
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	07/05/202
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	07/09/202
Batch 225285 SampType:	LCS	U	nits <b>mg/L</b>							
SampID: LCS-225285										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		2.48	2.500	0	99.0	85	115	07/09/202
Calcium		0.100		2.36	2.500	0	94.6	85	115	07/05/202
Magnesium		0.050		2.27	2.500	0	90.8	85	115	07/09/202
Potassium		0.100		2.58	2.500	0	103.2	85	115	07/05/202
Potassium		0.100		2.66	2.500	0	106.3	85	115	07/09/202
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	U	nits <b>mg/L</b>							
SampID: MBLK-225411										Date
										A
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	Cert	RL 0.0500	Qual	Result < 0.0500	Spike 0.0068	SPK Ref Val	%REC 0	Low Limit	High Limit 100	07/09/202
Antimony	Cert		Qual			0			J	07/09/202
Antimony	Cert	0.0500	Qual	< 0.0500	0.0068	0	0	-100	100	•
Antimony Arsenic Boron	Cert	0.0500 0.0250	Qual	< 0.0500 < 0.0250	0.0068 0.0087	0 0 0	0	-100 -100	100 100	07/09/202
Antimony Arsenic Boron Cadmium	Cert	0.0500 0.0250 0.0200	Qual	< 0.0500 < 0.0250 < 0.0200	0.0068 0.0087 0.0090	0 0 0	0 0 0	-100 -100 -100	100 100 100	07/09/202 07/09/202 07/09/202
Antimony Arsenic Boron Cadmium Calcium	Cert	0.0500 0.0250 0.0200 0.0020	Qual	< 0.0500 < 0.0250 < 0.0200 < 0.0020	0.0068 0.0087 0.0090 0.0005	0 0 0 0	0 0 0 0	-100 -100 -100 -100	100 100 100 100	07/09/202 07/09/202 07/09/202 07/09/202
Antimony Arsenic Boron Cadmium Calcium Chromium	Cert	0.0500 0.0250 0.0200 0.0020 0.100	Qual	< 0.0500 < 0.0250 < 0.0200 < 0.0020 < 0.100	0.0068 0.0087 0.0090 0.0005 0.0350	0 0 0 0 0	0 0 0 0	-100 -100 -100 -100 -100	100 100 100 100 100	07/09/202 07/09/202 07/09/202 07/09/202
Antimony Arsenic Boron Cadmium Calcium Chromium	Cert	0.0500 0.0250 0.0200 0.0020 0.100 0.0050	Qual	< 0.0500 < 0.0250 < 0.0200 < 0.0020 < 0.100 < 0.0050	0.0068 0.0087 0.0090 0.0005 0.0350 0.0028	0 0 0 0 0 0	0 0 0 0 0	-100 -100 -100 -100 -100 -100	100 100 100 100 100 100	07/09/202 07/09/202 07/09/202 07/09/202 07/09/202
Antimony Arsenic Boron Cadmium Calcium Chromium Lead Magnesium	Cert	0.0500 0.0250 0.0200 0.0020 0.100 0.0050 0.0150	Qual	< 0.0500 < 0.0250 < 0.0200 < 0.0020 < 0.100 < 0.0050 < 0.0150	0.0068 0.0087 0.0090 0.0005 0.0350 0.0028 0.0014 0.0055	0 0 0 0 0 0 0	0 0 0 0 0 0	-100 -100 -100 -100 -100 -100	100 100 100 100 100 100 100	07/09/202 07/09/202 07/09/202 07/09/202 07/09/202 07/09/202 07/09/202
Analyses Antimony Arsenic Boron Cadmium Calcium Chromium Lead Magnesium Potassium Selenium	Cert	0.0500 0.0250 0.0200 0.0020 0.100 0.0050 0.0150 0.0500	Qual	< 0.0500 < 0.0250 < 0.0200 < 0.0020 < 0.100 < 0.0050 < 0.0150 < 0.0500	0.0068 0.0087 0.0090 0.0005 0.0350 0.0028 0.0014	0 0 0 0 0 0 0	0 0 0 0 0 0 0	-100 -100 -100 -100 -100 -100 -100	100 100 100 100 100 100 100	07/09/202 07/09/202 07/09/202 07/09/202 07/09/202 07/09/202



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Analyses   Cert   RL   Out   Result   Spike   SPK Ref Val   MREC   Low Limit   High Limit   Analyses   Cert   RL   Out   Result   Spike   SPK Ref Val   MREC   Low Limit   High Limit   Analyses   Cert   RL   Out   Spike   SPK Ref Val   MREC   Low Limit   High Limit   Analyses   Cert   RL   Out   Spike   Spike   SPK Ref Val   MREC   Low Limit   High Limit   Analyses   Cert   RL   Out   Spike   Spike   SPK Ref Val   MREC   Low Limit   High Limit   Analyses   Cert   RL   Out   Spike	SW-846 3005A, 6010E	B, METAI	LS BY ICP	(DISSO	LVED)							
Analyses		mpType:	LCS	U	nits <b>mg/L</b>							
Analyses								00//0 ///				
Arsenic 0.0250 0.497 0.5000 0 99.4 85 115 07/09/202 Boron 0.0200 0.480 0.5000 0 96.1 85 115 07/09/202 Cadmium 0.0020 0.0437 0.0500 0 96.1 85 115 07/09/202 Cadmium 0.0020 0.0437 0.0500 0 96.1 85 115 07/09/202 Cadmium 0.0020 0.0437 0.0500 0 98.6 85 115 07/09/202 Calcium 0.0050 0.196 0.2000 0 97.3 85 115 07/09/202 Chromium 0.0050 0.195 0.2000 0 97.3 85 115 07/09/202 Chromium 0.0050 0.475 0.5000 0 95.1 85 115 07/09/202 Chromium 0.0500 0.224 2.500 0 95.1 85 115 07/09/202 Chromium 0.0500 0.224 2.500 0 95.1 85 115 07/09/202 Chromium 0.0500 0.246 2.500 0 104.2 85 115 07/09/202 Chromium 0.0500 0.455 0.5000 0 91.0 89.8 85 115 07/09/202 Chromium 0.0500 0.455 0.5000 0 91.0 85 115 07/09/202 Chromium 0.0500 0.0500 0 91.0 85 115 07/09/202 Chromium 0.0500 0.0500 0 0 91.0 85 115 07/09/202 Chromium 0.0500 0.0500 0 0 0 0 0 0 0 0 0 0 0 0 0			Cert		Qual						Ū	,
Boron   0.0200	·											
Cadmium         0.0020         0.0437         0.0500         0         87.4         85         115         07/09/202           Calcium         0.100         2.47         2.500         0         98.6         85         115         07/09/202           Chromium         0.0050         0.195         0.2000         0         97.3         85         115         07/09/202           Lead         0.0150         0.475         0.5000         0         95.1         85         115         07/09/202           Magnesium         0.0500         2.24         2.500         0         99.1         85         115         07/09/202           Selenium         0.0400         0.455         0.5000         0         104.2         85         115         07/09/202           Sedium         0.0500         2.51         2.500         0         100.3         85         115         07/09/202           Satch         22550         SampType:         MBLK         Units mg/L         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analysed           Calcium         0.0500         < 0.100         0.0350         0         0         -100         100<												
Calcium 0.100 2.47 2.500 0 98.6 85 115 07/09/202 Chromium 0.0050 0.195 0.200 0 97.3 85 115 07/09/202 Lead 0.0150 0.475 0.500 0 95.1 85 115 07/09/202 Magnesium 0.0500 2.24 2.500 0 89.8 85 115 07/09/202 Selenium 0.100 2.61 2.500 0 104.2 85 115 07/09/202 Selenium 0.0500 2.51 2.500 0 104.2 85 115 07/09/202 Selenium 0.0500 2.51 2.500 0 104.2 85 115 07/09/202 Selenium 0.0500 2.51 2.500 0 100.3 85 115 07/09/202 Selenium 0.0500 2.51 2.500 0 100.3 85 115 07/09/202 Selenium 0.0500 2.51 2.500 0 100.3 85 115 07/09/202 Selenium 0.0500 2.51 2.500 0 100.3 85 115 07/09/202 Selenium 0.0500 2.51 2.500 0 100.3 85 115 07/09/202 Selenium 0.0500 2.51 2.500 0 100.3 85 115 07/09/202 Selenium 0.0500 2.51 2.500 0 100.3 85 115 07/09/202 Selenium 0.0500 2.51 2.500 0 100.3 85 115 07/09/202 Selenium 0.0500 2.0100 0.0350 0 0 100.3 85 115 07/09/202 Selenium 0.0500 2.0100 0.0350 0 0 0 100.3 85 07/09/202 Selenium 0.0500 2.0100 0.0350 0 0 0 100.3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								-				
Chromium												
Lead	Calcium			0.100			2.500	0	98.6	85	115	07/09/202
Magnesium         0.0500         2.24         2.500         0         89.8         85         115         07/09/202           Potassium         0.100         2.61         2.500         0         104.2         85         115         07/09/202           Selenium         0.0400         0.455         0.5000         0         91.0         85         115         07/09/202           Satch         225500         SampType:         MBLK         Units mg/L         Low Limit         High Limit         Date           Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed           Calcium         0.0500          0.100         <0.100	Chromium			0.0050		0.195	0.2000	0	97.3	85	115	07/09/202
Potassium 0.100 2.61 2.500 0 104.2 85 115 07/09/202 Selenium 0.0400 0.455 0.5000 0 91.0 85 115 07/09/202 Sodium 0.0500 2.51 2.500 0 100.3 85 115 07/09/202 Sodium 0.0500 2.51 2.500 0 100.3 85 115 07/09/202 Sodium 0.0500 2.51 2.500 0 100.3 85 115 07/09/202 Sodium 0.0500 SampType: MBLK Units mg/L samplD: MBLK-225500 SampType: MBLK	Lead			0.0150		0.475	0.5000	0	95.1	85	115	07/09/202
Selenium	Magnesium			0.0500		2.24	2.500	0	89.8	85	115	07/09/202
Sodium   Sodium   Sodium   Solid   S	Potassium			0.100		2.61	2.500	0	104.2	85	115	07/09/202
SarpType: MBLK   Units mg/L   Spike   SPK Ref Val   MREC   Low Limit   High Limit   Analyzed   Calcium   0.100   0.0500   0.00500   0.0100   0.0400   0.01000   0.01000   0.01000   0.01000   0.01000   0.01000   0.01000   0.01000   0.01000   0.01	Selenium			0.0400		0.455	0.5000	0	91.0	85	115	07/09/202
Date   Analyses   Cert   RL   Qual   Result   Spike   SPK Ref Val   %REC   Low Limit   High Limit   Analyzed   Calcium   0.100   < 0.100   0.0350   0   0   -100   100   0.7/10/202	Sodium			0.0500		2.51	2.500	0	100.3	85	115	07/09/202
Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed           Calcium         0.100         < 0.100		mpType:	MBLK	U	nits <b>mg/L</b>							
Calcium 0.100 < 0.100 0.0350 0 0 -100 100 07/10/202  Magnesium 0.0500 < 0.0500 0.0055 0 0 0 -100 100 07/10/202  Sodium 0.0500 < 0.0500 0.0180 0 0 0 -100 100 07/10/202  Satch 225500 SampType: LCS Units mg/L  SampID: LCS-225500  Analyses Cert RL Qual Result Spike SPK Ref Val %REC Low Limit High Limit Analyzed  Calcium 0.100 2.33 2.500 0 93.3 85 115 07/10/202  Calcium 0.100 2.39 2.500 0 95.5 85 115 07/10/202  Magnesium 0.0500 S 2.08 2.500 0 83.4 85 115 07/10/202  Magnesium 0.0500 2.13 2.500 0 85.3 85 115 07/10/202  Potassium 0.100 2.52 2.500 0 100.8 85 115 07/10/202  Sodium 0.0500 2.13 2.500 0 94.2 85 115 07/10/202  Sodium 0.0500 2.36 2.500 0 94.2 85 115 07/10/202  Sodium 0.0500 2.36 2.500 0 94.2 85 115 07/10/202	•							00140 4341	0/050	1 12 %	10.11.5	
Magnesium   0.0500   < 0.0500   0.0055   0   0   -100   100   0.7/10/202			Cert		Qual						Ū	
Potassium 0.100 < 0.100 0.0400 0 0 -100 100 07/10/202 Sodium 0.0500 < 0.0500 0.0180 0 0 0 -100 100 07/10/202  Satch 225500 SampType: LCS Units mg/L SampID: LCS-225500  Analyses Cert RL Qual Result Spike SPK Ref Val MREC Low Limit High Limit Analyzed Calcium 0.100 2.33 2.500 0 93.3 85 115 07/10/202  Calcium 0.100 2.39 2.500 0 95.5 85 115 07/10/202  Magnesium 0.0500 S 2.08 2.500 0 83.4 85 115 07/10/202  Magnesium 0.0500 2.13 2.500 0 85.3 85 115 07/10/202  Potassium 0.100 2.52 2.500 0 100.8 85 115 07/10/202  Potassium 0.100 2.57 2.500 0 102.9 85 115 07/10/202  Potassium 0.0500 2.36 2.500 0 94.2 85 115 07/10/202  Sodium 0.0500 2.36 2.500 0 94.2 85 115 07/10/202												
Sodium	•											
Batch 225500 SampType: LCS         Units mg/L           SamplD: LCS-225500         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed Analyzed           Calcium         0.100         2.33         2.500         0         93.3         85         115         07/10/202           Calcium         0.100         2.39         2.500         0         95.5         85         115         07/10/202           Magnesium         0.0500         S         2.08         2.500         0         83.4         85         115         07/10/202           Potassium         0.100         2.52         2.500         0         100.8         85         115         07/10/202           Sodium         0.0500         2.36         2.500         0         102.9         85         115         07/10/202								-				
Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed           Calcium         0.100         2.33         2.500         0         93.3         85         115         07/10/202           Calcium         0.100         2.39         2.500         0         95.5         85         115         07/10/202           Magnesium         0.0500         S         2.08         2.500         0         83.4         85         115         07/10/202           Potassium         0.0500         2.13         2.500         0         85.3         85         115         07/10/202           Potassium         0.100         2.52         2.500         0         100.8         85         115         07/10/202           Sodium         0.0500         2.36         2.500         0         94.2         85         115         07/10/202	Sodium			0.0500		< 0.0500	0.0180	0	0	-100	100	07/10/202
Analyses         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit         Analyzed           Calcium         0.100         2.33         2.500         0         93.3         85         115         07/10/202           Calcium         0.100         2.39         2.500         0         95.5         85         115         07/10/202           Magnesium         0.0500         S         2.08         2.500         0         83.4         85         115         07/10/202           Potassium         0.0500         2.13         2.500         0         85.3         85         115         07/10/202           Potassium         0.100         2.52         2.500         0         100.8         85         115         07/10/202           Sodium         0.0500         2.36         2.500         0         94.2         85         115         07/10/202		mpType:	LCS	U	nits <b>mg/L</b>							
Calcium       0.100       2.33       2.500       0       93.3       85       115       07/10/202         Calcium       0.100       2.39       2.500       0       95.5       85       115       07/10/202         Magnesium       0.0500       S       2.08       2.500       0       83.4       85       115       07/10/202         Potassium       0.0500       2.13       2.500       0       85.3       85       115       07/10/202         Potassium       0.100       2.52       2.500       0       100.8       85       115       07/10/202         Sodium       0.0500       2.36       2.500       0       94.2       85       115       07/10/202			Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Magnesium       0.0500 S       2.08       2.500 0       83.4       85       115       07/10/202         Magnesium       0.0500       2.13       2.500 0       85.3       85       115       07/10/202         Potassium       0.100       2.52       2.500 0       100.8       85       115       07/10/202         Potassium       0.100       2.57       2.500 0       102.9       85       115       07/10/202         Sodium       0.0500       2.36       2.500 0       94.2       85       115       07/10/202					•			0	93.3	85	115	07/10/202
Magnesium       0.0500 S       2.08       2.500 0       83.4       85       115       07/10/202         Magnesium       0.0500       2.13       2.500 0       85.3       85       115       07/10/202         Potassium       0.100       2.52       2.500 0       100.8       85       115       07/10/202         Potassium       0.100       2.57       2.500 0       102.9       85       115       07/10/202         Sodium       0.0500       2.36       2.500 0       94.2       85       115       07/10/202	Calcium			0.100		2.39	2.500	0	95.5	85	115	07/10/202
Magnesium       0.0500       2.13       2.500       0       85.3       85       115       07/10/202         Potassium       0.100       2.52       2.500       0       100.8       85       115       07/10/202         Potassium       0.100       2.57       2.500       0       102.9       85       115       07/10/202         Sodium       0.0500       2.36       2.500       0       94.2       85       115       07/10/202	Magnesium			0.0500	S		2.500	0		85	115	07/10/202
Potassium       0.100       2.52       2.500       0       100.8       85       115       07/10/202         Potassium       0.100       2.57       2.500       0       102.9       85       115       07/10/202         Sodium       0.0500       2.36       2.500       0       94.2       85       115       07/10/202								0				
Potassium       0.100       2.57       2.500       0       102.9       85       115       07/10/202         Sodium       0.0500       2.36       2.500       0       94.2       85       115       07/10/202	•											
Sodium 0.0500 <b>2.36</b> 2.500 0 94.2 85 115 07/10/202												
	Sodium			0.0500		2.41	2.500	0	96.3	85	115	07/10/202



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chemorrogecti (1217 2	.43							report Dut	с. оо вер	
SW-846 3005A, 6010B, N	METALS BY IC	P (DISSO	DLVED)							
<b>Batch 225500 Samp</b> SamplD: 24061026-045CM	<b>Type: MS</b> S	l	Jnits <b>mg/L</b>	_						Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Samp	Type: MSD	l	Jnits <b>mg/L</b>	_				RPD Lii	mit: <b>20</b>	
SampID: 24061026-045CM Analyses	SD Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %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
<b>Batch 225500 Samp</b> SamplD: 24061026-061DM:		l	Jnits <b>mg/L</b>	-						5.
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 Samp	Type: MSD	l	Jnits <b>mg/L</b>	-				RPD Lii	mit: <b>20</b>	
SampID: 24061026-061DM	SD									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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



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SW-846 3005A, 6010B, MI	ETALS BY ICP	(DISSO	LVED)							
	ype: MBLK		Inits mg/L							
SampID: MBLK-225569										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
241111	ype: LCS	U	Inits mg/L							
SamplD: LCS-225569						00//0 ///				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	•
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



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Batch 225569 S	SampType:	MS	ι	Inits <b>mg/L</b>							
SampID: 24061026-04	3CMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100	S	514	2.500	520.0	-243.2	75	125	07/11/202
Magnesium			0.050	S	172	2.500	174.3	-75.0	75	125	07/11/202
Potassium			0.100		3.70	2.500	1.095	104.1	75	125	07/11/202
Sodium			0.050	S	118	2.500	116.7	59.6	75	125	07/11/202
Juten	SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	mit: <b>20</b>	
SampID: 24061026-04 Analyses	I3CIVISD	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Calcium			0.100	S	516	2.500	520.0	-145.6	513.9	0.47	07/11/202
Magnesium			0.050	S	173	2.500	174.3	-36.3	172.4	0.56	07/11/202
Potassium			0.100		3.72	2.500	1.095	105.0	3.697	0.64	07/11/202
Sodium			0.050	S	118	2.500	116.7	61.6	118.2	0.04	07/11/202
	SampType:	MS	l	Jnits <b>mg/L</b>							
SampID: 24061026-05	9DIVIS	_					00140 4341	0/050		10.11.5	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Calcium			0.100		108	2.500	106.1	83.6	75	125	07/11/202
Magnesium			0.050		43.0	2.500	40.73	89.7	75	125	07/11/202
Potassium			0.100		5.26	2.500	2.815	97.7	75	125	07/11/202
Sodium			0.050	S	97.0	2.500	95.28	70.4	75	125	07/11/202
Batch 225569 S	SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lir	mit: <b>20</b>	
·	ISDIVIOD	G.	DI	0 1	D 1	0 11	CDK Det Vel	0/ DEC	DDD Det V	al 0/PDD	Date Analyzed
Analyses		Cert	RL 0.400	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		•
Calcium			0.100		108	2.500	106.1	91.6	108.2	0.18	07/11/202
Magnesium			0.050		43.0	2.500	40.73	92.3	42.98	0.15	07/11/202
Potassium			0.100		5.46	2.500	2.815	105.6	5.257	3.71	07/11/202
Sodium			0.050	S	98.5	2.500	95.28	128.8	97.04	1.49	07/11/202



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Batch 225657	SampType:	MBLK	U	nits mg/L							
SampID: MBLK-22			DI	0 1	D 1	G 11	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike					-
Calcium			0.100		< 0.100	0.0350	0	0	-100	100	07/15/202
Iron			0.0400		< 0.0400	0.0200	0	0	-100	100	07/15/202
Magnesium			0.0500		< 0.0500	0.0055	0	0	-100	100	07/15/202
Manganese			0.0070		< 0.0070	0.0025	0	0	-100	100	07/15/202
Potassium			0.100		< 0.100	0.0400	0	0	-100	100	07/15/202
Sodium			0.0500		< 0.0500	0.0180	0	0	-100	100	07/15/202
<b>Batch 225657</b> SampID: LCS-2250	SampType:	LCS	U	nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		2.28	2.500	0	91.1	85	115	07/15/202
Iron			0.0400		1.82	2.000	0	91.2	85	115	07/15/20
Magnesium			0.0500		2.16	2.500	0	86.3	85	115	07/15/20
Manganese			0.0070		0.464	0.5000	0	92.9	85	115	07/15/202
Potassium			0.100		2.43	2.500	0	97.1	85	115	07/15/202
Sodium			0.0500		2.31	2.500	0	92.3	85	115	07/15/202
<b>Batch 225657</b> SampID: 24070879	SampType: 9-001CMS	MS	U	nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100	S	62.8	2.500	61.34	56.8	75	125	07/15/202
Magnesium			0.050	S	17.9	2.500	16.08	72.2	75	125	07/15/202
Potassium			0.100		4.29	2.500	1.925	94.7	75	125	07/15/202
Sodium			0.050	S	22.2	2.500	20.87	54.4	75	125	07/15/202
Batch 225657 SampID: 24070879	SampType: 9-001CMSD	MSD	U	nits <b>mg/L</b>					RPD Lir	mit: <b>20</b>	Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Calcium			0.100	S	62.9	2.500	61.34	60.8	62.76	0.16	07/15/20
Magnesium			0.050		18.0	2.500	16.08	76.1	17.88	0.53	07/15/20
Potassium			0.100		4.31	2.500	1.925	95.4	4.291	0.44	07/15/20
			0.050	S	22.3	2.500	20.87	56.4	22.23	0.22	07/15/20



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Batch 225657	SampType:	MS	U	nits <b>mg/L</b>							
SampID: 24070981-0	02CMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Iron			0.0400		1.92	2.000	0	95.8	75	125	07/15/202
Manganese			0.0070		0.555	0.5000	0.06410	98.2	75	125	07/15/202
Dutch	SampType:	MSD	U	nits <b>mg/L</b>					RPD Lin	nit: <b>20</b>	
SamplD: 24070981-0 Analyses	02CMSD	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Iron		CCIT	0.0400	Quai	1.93	2.000	0	96.4	1.915	0.67	07/15/202
Manganese			0.0070		0.559	0.5000	0.06410	99.0	0.5553	0.65	07/15/202
Duten	SampType:	MS	U	nits <b>mg/L</b>							
SamplD: 24070982-0 Analyses	02CMS	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	07/15/202
Manganese			0.0070		0.600	0.5000	0.1322	93.5	75	125	07/15/202
Batch 225657	SampType:	MSD	U	nits <b>mg/L</b>					RPD Lin	nit: <b>20</b>	
SamplD: 24070982-0 Analyses	02CMSD	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Iron			0.0400	_	1.89	2.000	0	94.3	1.826	3.22	07/15/20:
			0.0070		0.615	0.5000	0.1322	96.5	0.5995	2.54	07/15/20



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Batch 224960 SampType	: MBLK	U	nits <b>mg/L</b>							
SampID: MBLK-224960	<b>a</b> .	DI	0 1	<b>D</b> 1:	G '1	CDK Def Vol	0/ DEC	L avv Limit	Iliah Limit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	
Cadmium		0.0020		< 0.0020	0.0005		0	-100	100	07/09/202
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	07/09/202
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	07/09/202
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	07/09/202
Lead		0.0150		< 0.0150	0.0014		0	-100	100	07/09/202
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	07/09/202
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	07/09/202
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	07/09/202
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	07/09/202
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	07/09/202
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	07/09/202
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	07/09/202
Batch 224960 SampType	: LCS	U	nits <b>mg/L</b>							
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	07/09/202
Calcium		0.100		2.66	2.500	0	106.5	85	115	07/09/202
Chromium		0.0050		0.210	0.2000	0	104.8	85	115	07/09/202
Cobalt		0.0050		0.527	0.5000	0	105.4	85	115	07/09/202
Lead		0.0150		0.514	0.5000	0	102.8	85	115	07/09/202
Magnesium		0.0500		2.44	2.500	0	97.5	85	115	07/09/202
Molybdenum		0.0100		0.508	0.5000	0	101.6	85	115	07/09/202
Potassium		0.100		2.76	2.500	0	110.5	85	115	07/09/202
Selenium		0.0400		0.505	0.5000	0	101.0	85	115	07/09/202
Silver		0.0070		0.0528	0.0500	0	105.6	85	115	07/09/202
Sodium		0.0500		2.73	2.500	0	109.1	85	115	07/09/202
Thallium		0.0500		0.254	0.2500	0	101.6	85	115	07/09/202
Satch 224960 SampType	e: MS	U	nits <b>mg/L</b>							
SampID: 24070559-003BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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Batch 224960 SampT	ETALS BY IC		- <i>I</i> Jnits <b>mg/L</b>					RPD Lim	nit: 20	
SampID: 24070559-003BMS			ilio iligiL					KI D LIII	III. <b>20</b>	Date
Analyses	Cer	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Lead		0.0150		0.988	1.000	0	98.8	1.001	1.30	07/09/202
Batch 225284 SampT SampID: MBLK-225284	ype: MBLK	l	Jnits <b>mg/L</b>							Date
Analyses	Cer	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	07/08/202
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	07/08/202
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	07/08/202
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	07/08/2024
Batch 225284 SampT SampID: LCS-225284	ype: LCS	l	Jnits <b>mg/L</b>							Date
Analyses	Cer	t RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		2.59	2.500	0	103.7	85	115	07/08/202
Magnesium		0.0500		2.36	2.500	0	94.4	85	115	07/08/202
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	07/08/202
Batch 225284 SampT SampID: 24061026-058CMS		l	Jnits <b>mg/L</b>							Date
Analyses	Cer	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		144	2.500	142.1	79.2	75	125	07/08/202
Magnesium		0.050		59.3	2.500	57.39	76.6	75	125	07/08/202
Potassium		0.100		7.04	2.500	4.516	100.8	75	125	07/08/202
Sodium		0.050		126	2.500	124.2	88.0	75	125	07/08/202
Batch 225284 SampT		l	Jnits <b>mg/L</b>					RPD Lim	nit: <b>20</b>	
SampID: 24061026-058CMS										Date
Analyses	Cer		Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va		Analyzed
Calcium		0.100	S	141	2.500	142.1	-35.6	144.1	2.01	07/08/202
Magnesium		0.050	S	58.1	2.500	57.39	29.7	59.31	2.00	07/08/202
Potassium		0.100		6.81	2.500	4.516	91.9	7.037	3.22	07/08/202



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Batch 225498	SampType:	MBLK	U	nits <b>mg/L</b>							
SampID: MBLK-225	5498			_							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		< 0.100	0.0350	0	0	-100	100	07/11/202
Magnesium			0.0500		< 0.0500	0.0055	0	0	-100	100	07/11/202
Molybdenum			0.0100		< 0.0100	0.0037	0	0	-100	100	07/11/202
Potassium			0.100		< 0.100	0.0400	0	0	-100	100	07/11/202
Selenium			0.0400		< 0.0400	0.0170	0	0	-100	100	07/11/202
Silver			0.0070		< 0.0070	0.0027	0	0	-100	100	07/11/202
Sodium			0.0500		< 0.0500	0.0180	0	0	-100	100	07/11/202
Thallium			0.0500		< 0.0500	0.0111	0	0	-100	100	07/11/202
<b>Batch 225498</b> SampID: LCS-2254	SampType:	LCS	U	nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0010	0.100	Q oral	2.56	2.500	0	102.4	85	115	07/11/202
Magnesium			0.0500		2.41	2.500	0	96.6	85	115	07/11/202
Molybdenum			0.0100		0.502	0.5000	0	100.3	85	115	07/11/202
Potassium			0.100		2.64	2.500	0	105.6	85	115	07/11/202
Selenium			0.0400		0.515	0.5000	0	103.1	85	115	07/11/202
Silver			0.0070		0.0527	0.0500	0	105.4	85	115	07/11/202
Sodium			0.0500		2.64	2.500	0	105.7	85	115	07/11/202
Thallium			0.0500		0.250	0.2500	0	99.9	85	115	07/11/202
Batch 225498	SampType:	MS	U	nits <b>mg/L</b>							
SampID: 24061026	-017BMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		137	2.500	134.9	89.2	75	125	07/11/202
Magnesium			0.050		68.2	2.500	65.90	93.6	75	125	07/11/202
Potassium			0.100		4.38	2.500	1.696	107.5	75	125	07/11/202
Sodium			0.050	S	135	2.500	131.4	162.4	75	125	07/11/202
<b>Batch 225498</b> SampID: 24061026	SampType:	MSD	U	nits <b>mg/L</b>					RPD Lir	nit: <b>20</b>	
Analyses	U I I I I I I I I I I I I I I I I I I I	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Calcium			0.100		137	2.500	134.9	94.8	137.1	0.10	07/11/202
Magnesium			0.050		68.4	2.500	65.90	100.2	68.23	0.24	07/11/202
Potassium			0.100		4.40	2.500	1.696	108.0	4.384	0.30	07/11/202
Sodium			0.050	S	135	2.500	131.4	158.8	135.4	0.07	07/11/202



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Batch 225498	SampType:	MS	U	Inits mg/L							
SampID: 24061026-0	060CMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100	S	120	2.500	114.5	233.6	75	125	07/11/202
Magnesium			0.050	S	47.3	2.500	43.73	144.6	75	125	07/11/202
Potassium			0.100		5.86	2.500	3.113	109.8	75	125	07/11/202
Sodium			0.050	S	92.7	2.500	87.51	208.4	75	125	07/11/202
<b>Batch 225498</b> SampID: 24061026-0	SampType: 060CMSD	MSD	U	Inits mg/L					RPD Lir	mit: <b>20</b>	Date
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Calcium			0.100	S	120	2.500	114.5	204.0	120.4	0.62	07/11/202
Magnesium			0.050	S	46.9	2.500	43.73	127.1	47.34	0.93	07/11/20
Potassium			0.100		5.87	2.500	3.113	110.2	5.858	0.18	07/11/20
Sodium			0.050	S	92.1	2.500	87.51	183.2	92.72	0.68	07/11/20
SampID: MBLK-2255	SampType:	MBLK		Inits mg/L	Danile	Con illan	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses  Calcium		Cert	RL 0.100	Qual	< 0.100	Spike 0.0350	0	0	-100	100	07/12/20
Magnesium			0.0500		< 0.0500	0.0055	0	0	-100	100	07/12/20
Potassium			0.0300		< 0.100	0.0400	0	0	-100	100	07/12/20/
Sodium			0.0500		< 0.0500	0.0400	•	0	-100	100	07/12/20
	SampType:	LCS	U	Inits mg/L							
SampID: LCS-22556	6										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		2.42	2.500	0	96.7	85	115	07/12/20
Magnesium			0.0500		2.41	2.500	0	96.4	85	115	07/12/20
Potassium			0.100		2.65	2.500	0	106.1	85	115	07/12/20
Sodium			0.0500		2.59	2.500	0	103.6	85	115	07/12/20
<b>Batch 225566</b> SampID: 24061026-0	SampType: 022BMS	MS	U	Inits mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100	S	122	2.500	115.7	241.6	75	125	07/12/20
Magnesium			0.050	S	55.2	2.500	51.42	150.7	75	125	07/12/20
Potassium			0.100		6.05	2.500	3.159	115.8	75	125	07/12/20



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SW-846 3005A, 6010B, META										
<b>Batch 225566 SampType:</b> SampID: 24061026-022BMSD	MSD	L	Inits mg/L					RPD Lir	nit: <b>20</b>	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Calcium	Cert	0.100	S	121	2.500	115.7	196.0	121.8	0.94	07/12/202
Magnesium		0.050	S	54.6	2.500	51.42	126.9	55.19	1.09	07/12/202
Potassium		0.100	Ü	6.01	2.500	3.159	113.9	6.054	0.79	07/12/202
Sodium		0.050	S	160	2.500	153.5	261.6	160.5	0.30	07/12/202
Batch 225659 SampType: SampID: MBLK-225659	MBLK	L	Inits mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	07/16/202
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	07/16/202
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	07/16/202
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	07/16/202
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	07/16/202
SampID: LCS-225659			Inits mg/L	D 1	a !!	ODK D-(V/-I	0/DE0	Lauritani	LPak Ltari	Date Analyzed
SampID: LCS-225659 Analyses	LCS Cert	RL	Inits <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID: LCS-225659  Analyses  Calcium		RL 0.100		2.55	2.500	0	102.0	85	115	Analyzed 07/16/202
SampID: LCS-225659  Analyses  Calcium  Lead		RL 0.100 0.0150		2.55 0.535	2.500 0.5000	0	102.0 106.9	85 85	115 115	07/16/202 07/16/202
SampID: LCS-225659  Analyses  Calcium  Lead  Magnesium		RL 0.100 0.0150 0.0500		2.55 0.535 2.48	2.500 0.5000 2.500	0 0 0	102.0 106.9 99.1	85 85 85	115 115 115	07/16/202 07/16/202 07/16/202
SampID: LCS-225659  Analyses  Calcium  Lead  Magnesium  Potassium		RL 0.100 0.0150 0.0500 0.100		2.55 0.535 2.48 2.71	2.500 0.5000 2.500 2.500	0 0 0	102.0 106.9 99.1 108.4	85 85 85 85	115 115 115 115	Analyzed 07/16/202 07/16/202 07/16/202
SampID: LCS-225659  Analyses  Calcium  Lead  Magnesium  Potassium		RL 0.100 0.0150 0.0500		2.55 0.535 2.48	2.500 0.5000 2.500	0 0 0	102.0 106.9 99.1	85 85 85	115 115 115	07/16/202 07/16/202
Analyses Calcium Lead Magnesium Potassium Sodium  Satch 225659 SampType:	Cert	RL 0.100 0.0150 0.0500 0.100 0.0500		2.55 0.535 2.48 2.71	2.500 0.5000 2.500 2.500	0 0 0	102.0 106.9 99.1 108.4	85 85 85 85	115 115 115 115	Analyzed  07/16/202  07/16/202  07/16/202  07/16/202  Date
Analyses Calcium Lead Magnesium Potassium Sodium  Satch 225659 SampType: SampID: 24070962-001BMS	Cert	RL 0.100 0.0150 0.0500 0.100 0.0500	Qual	2.55 0.535 2.48 2.71	2.500 0.5000 2.500 2.500	0 0 0	102.0 106.9 99.1 108.4	85 85 85 85	115 115 115 115	Analyzed 07/16/202 07/16/202 07/16/202 07/16/202 07/16/202
Analyses Calcium Lead Magnesium Potassium Sodium  Satch 225659 SampType: SampID: 24070962-001BMS  Analyses	Cert	RL 0.100 0.0150 0.0500 0.100 0.0500	Qual Inits mg/L	2.55 0.535 2.48 2.71 2.57	2.500 0.5000 2.500 2.500 2.500	0 0 0 0 0 SPK Ref Val	102.0 106.9 99.1 108.4 102.6	85 85 85 85 85	115 115 115 115 115 115	Analyzed  07/16/202  07/16/203  07/16/203  07/16/203  Date  Analyzed
Analyses Calcium Lead Magnesium Potassium Sodium  Satch 225659 SampType: EampID: 24070962-001BMS  Analyses Arsenic	Cert	RL 0.100 0.0150 0.0500 0.100 0.0500	Qual Inits mg/L	2.55 0.535 2.48 2.71 2.57	2.500 0.5000 2.500 2.500 2.500 Spike	0 0 0 0 0 SPK Ref Val	102.0 106.9 99.1 108.4 102.6	85 85 85 85 85	115 115 115 115 115 115	Analyzed  07/16/20: 07/16/20: 07/16/20: 07/16/20: Date Analyzed  07/16/20:
Analyses Calcium Lead Magnesium Potassium Sodium  Satch 225659 SampType: CampID: 24070962-001BMS  Analyses Arsenic Lead  Batch 225659 SampType:	MS  Cert	RL 0.100 0.0150 0.0500 0.100 0.0500 RL 0.0250 0.0150	Qual Inits mg/L	2.55 0.535 2.48 2.71 2.57 Result 0.529	2.500 0.5000 2.500 2.500 2.500 Spike 0.5000	0 0 0 0 0 SPK Ref Val	102.0 106.9 99.1 108.4 102.6 %REC 105.8	85 85 85 85 85 Low Limit	115 115 115 115 115 115 High Limit 125 125	Analyzed  07/16/20: 07/16/20: 07/16/20: 07/16/20: Date Analyzed  07/16/20:
Analyses Calcium Lead Magnesium Potassium Sodium  Batch 225659 SampType: SampID: 24070962-001BMS  Analyses Arsenic Lead  Batch 225659 SampType: CampID: 24070962-001BMS	MS Cert	RL 0.100 0.0150 0.0500 0.100 0.0500	Qual Inits mg/L Oual	2.55 0.535 2.48 2.71 2.57 Result 0.529 0.515	2.500 0.5000 2.500 2.500 2.500 Spike 0.5000 0.5000	0 0 0 0 0 SPK Ref Val 0	102.0 106.9 99.1 108.4 102.6 %REC 105.8 103.1	85 85 85 85 85 Low Limit 75	115 115 115 115 115 115 115 125 125 nit: 20	Analyzed 07/16/202 07/16/202 07/16/202 07/16/202 07/16/202
SampID: LCS-225659  Analyses Calcium Lead Magnesium Potassium Sodium  Batch 225659 SampType: SampID: 24070962-001BMS  Analyses Arsenic Lead	MS  Cert	RL 0.100 0.0150 0.0500 0.100 0.0500 RL 0.0250 0.0150	Qual  Inits mg/L  Oual	2.55 0.535 2.48 2.71 2.57 Result 0.529	2.500 0.5000 2.500 2.500 2.500 Spike 0.5000	0 0 0 0 0 0 SPK Ref Val 0 0	102.0 106.9 99.1 108.4 102.6 %REC 105.8 103.1	85 85 85 85 85 Low Limit 75 75	115 115 115 115 115 115 115 125 125 nit: 20	Analyzed 07/16/20 07/16/20 07/16/20 07/16/20 07/16/20  Date Analyzed 07/16/20 07/16/20



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Batch 226569	SampType:	MBLK	U	nits <b>mg/L</b>							
SampID: MBLK-2265 Analyses	69	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		CCIT	0.100	Quai	< 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
<b>Batch 226569</b> SampID: LCS-226569	SampType:	LCS	U	nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	08/05/202
Potassium			0.100		2.76	2.500	0	110.3	85	115	08/05/202
Sodium			0.0500		2.75	2.500	0	110.2	85	115	08/05/2024
Batch 226569 SamplD: 24071451-0	SampType: 35CMS	MS	U	nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	08/05/202
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
	SampType:	MSD	U	nits <b>mg/L</b>					RPD Lir	nit: <b>20</b>	
SampID: 24071451-0	35CMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Calcium			0.100	S	60.3	2.500	56.00	172.4	61.87	2.55	08/05/202
Magnesium			0.050	S	30.2	2.500	26.92	132.2	31.15	3.02	08/05/202
Potassium			0.100		3.29	2.500	0.5302	110.4	3.384	2.79	08/05/202



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SW-846 3005A, 60	010B, META	LS BY ICF	(TOTAL	_)							
Batch 226925	SampType:	MBLK	U	Inits mg/L							
SamplD: MBLK-226 Analyses	0925	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium			0.100	<b>Q</b> 0.000	< 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	U	Inits mg/L							
SampID: LCS-2269	25										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	U	Inits mg/L							
SampID: MBLK-226	6933										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	08/12/202
Calcium			0.100		< 0.100	0.0350	0	0	-100	100	08/13/202
Magnesium			0.0500		< 0.0500	0.0055	0	0	-100	100	08/14/202
Magnesium			0.0500		< 0.0500	0.0055	0	0	-100	100	08/13/202
Potassium			0.100		< 0.100	0.0400	0	0	-100	100	08/14/202
Potassium			0.100		< 0.100	0.0400	0	0	-100	100	08/13/202
Potassium			0.100		< 0.100	0.0400	0	0	-100	100	08/12/202
Sodium						0.0400	0	0	-100	100	08/13/202
			0.0500		< 0.0500	0.0180	0	U	100	100	00, 10, 202
Sodium			0.0500		< 0.0500 < 0.0500	0.0180		0	-100	100	08/14/202



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SW-846 3005A, 6010B, METAL	LS BY ICF	(TOTAL	-)							
Batch 226933 SampType:	LCS	U	nits <b>mg/L</b>							
SampID: LCS-226933										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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, 602	20A, METAI	LS BY ICF	PMS (DI	SSOLVED	))						
Batch 225285	SampType:	MBLK		Units µg/L	•						
SampID: MBLK-2252	85										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



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Batch 225285	SampType:	LCS		Units µg/L							
SampID: LCS-22528	85										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony			1.0		415	500.0	0	83.1	80	120	07/05/202
Arsenic			1.0		443	500.0	0	88.5	80	120	07/05/202
Boron			25.0		451	500.0	0	90.2	80	120	07/05/202
Cadmium		*	1.0		50.3	50.00	0	100.6	80	120	07/05/202
Chromium			1.5		183	200.0	0	91.7	80	120	07/05/202
Iron			25.0		1690	2000	0	84.3	80	120	07/05/202
Lead			1.0		456	500.0	0	91.3	80	120	07/05/202
Selenium			1.0		431	500.0	0	86.1	80	120	07/05/202
Vanadium			5.0		443	500.0	0	88.5	80	120	07/05/202
Zinc			15.0		442	500.0	0	88.4	80	120	07/05/202
Batch 225285 SampID: 24061026-	SampType:	MS		Units µg/L							5.
Analyses	0.000	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
		CCI	ILL	Quai	resurt	Spike					
			1.0		450	500.0	12.48	87.4	75	125	07/06/202
Arranyses Arsenic Iron			1.0 25.0	S	450 3370	500.0 2000	12.48 2267	87.4 55.2	75 75	125 125	07/06/202
Arsenic Iron	SampType:	MSD	-	S Units µg/L			-	_	-	125	
Arsenic Iron <b>Batch 225285</b> SampID: 24061026-			25.0	Units µg/L	3370	2000	2267	55.2	75 RPD Lir	125 nit: <b>20</b>	
Arsenic		<b>MSD</b> Cert	-				-	55.2	75	125 nit: <b>20</b>	07/08/202



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Batch 225411 SampType	: MBLK	ı	Units µg/L							
SampID: MBLK-225411										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		1.0	S	1.2	0.4500	0	277.8	-100	100	07/09/202
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	07/09/202
Boron		25.0		< 25.0	9.250	0	0	-100	100	07/09/202
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	07/09/202
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	07/09/202
Iron		25.0		< 25.0	11.50	0	0	-100	100	07/09/202
Lead		1.0		< 1.0	0.6000	0	0	-100	100	07/09/202
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	07/09/202
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	07/09/202
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	07/09/202
Zinc		15.0		< 15.0	5.900	0	0	-100	100	07/09/202
			Units µg/L							
SampID: LCS-225411	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: LCS-225411 Analyses				Result	Spike 500.0	SPK Ref Val	%REC 87.5	Low Limit	High Limit	Analyzed
SampID: LCS-225411  Analyses  Antimony		RL	Qual							
SampID: LCS-225411  Analyses  Antimony  Arsenic		RL 1.0	Qual	438	500.0	0	87.5	80	120	Analyzed 07/09/202 07/09/202
SampID: LCS-225411  Analyses  Antimony  Arsenic  Boron		RL 1.0 1.0	Qual	438 470	500.0 500.0	0	87.5 93.9	80 80	120 120	07/09/202 07/09/202 07/09/202
SampID: LCS-225411  Analyses  Antimony  Arsenic  Boron  Cadmium		RL 1.0 1.0 25.0	Qual	438 470 437	500.0 500.0 500.0	0 0 0	87.5 93.9 87.3	80 80 80	120 120 120	Analyzed 07/09/202 07/09/202 07/09/202 07/09/202
SampID: LCS-225411  Analyses  Antimony  Arsenic  Boron  Cadmium  Chromium		RL 1.0 1.0 25.0 1.0	Qual	438 470 437 46.4	500.0 500.0 500.0 50.00	0 0 0	87.5 93.9 87.3 92.7	80 80 80 80	120 120 120 120	Analyzed 07/09/202 07/09/202 07/09/202 07/09/202 07/09/202
SampID: LCS-225411  Analyses  Antimony  Arsenic  Boron  Cadmium  Chromium		RL 1.0 1.0 25.0 1.0 1.5	Qual	438 470 437 46.4 190	500.0 500.0 500.0 50.00 200.0	0 0 0 0	87.5 93.9 87.3 92.7 95.2	80 80 80 80	120 120 120 120 120	Analyzed 07/09/202 07/09/202 07/09/202 07/09/202 07/09/202 07/09/202
SampID: LCS-225411  Analyses  Antimony  Arsenic  Boron  Cadmium  Chromium  Iron  Lead		RL 1.0 1.0 25.0 1.0 1.5 25.0	Qual	438 470 437 46.4 190 1930	500.0 500.0 500.0 50.00 200.0 2000	0 0 0 0 0	87.5 93.9 87.3 92.7 95.2 96.4	80 80 80 80 80	120 120 120 120 120 120	Analyzed 07/09/202
SampID: LCS-225411  Analyses  Antimony  Arsenic  Boron  Cadmium  Chromium  Iron  Lead  Manganese		RL 1.0 1.0 25.0 1.0 1.5 25.0 1.0	Qual	438 470 437 46.4 190 1930	500.0 500.0 500.0 50.00 200.0 2000 500.0	0 0 0 0 0 0	87.5 93.9 87.3 92.7 95.2 96.4 87.2	80 80 80 80 80 80	120 120 120 120 120 120 120	Analyzed 07/09/202 07/09/202 07/09/202 07/09/202 07/09/202 07/09/202 07/09/202
SampID: LCS-225411  Analyses  Antimony  Arsenic  Boron  Cadmium  Chromium  Iron  Lead  Manganese  Selenium		RL 1.0 1.0 25.0 1.0 1.5 25.0 1.0 2.0	Qual	438 470 437 46.4 190 1930 436 469	500.0 500.0 500.0 50.00 200.0 2000 500.0	0 0 0 0 0 0	87.5 93.9 87.3 92.7 95.2 96.4 87.2 93.9	80 80 80 80 80 80 80	120 120 120 120 120 120 120 120	Analyzed  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202
SampID: LCS-225411  Analyses  Antimony  Arsenic  Boron  Cadmium  Chromium  Iron  Lead  Manganese  Selenium  Vanadium		RL 1.0 1.0 25.0 1.0 1.5 25.0 1.0 2.0	Qual	438 470 437 46.4 190 1930 436 469	500.0 500.0 500.0 50.00 200.0 2000 500.0 500.0	0 0 0 0 0 0 0	87.5 93.9 87.3 92.7 95.2 96.4 87.2 93.9 89.6	80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120	Analyzed  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202
SampID: LCS-225411  Analyses  Antimony  Arsenic  Boron  Cadmium  Chromium  Iron  Lead  Manganese  Selenium  Vanadium  Zinc  SampType	Cert *	RL 1.0 1.0 25.0 1.0 1.5 25.0 1.0 2.0 1.0 5.0 15.0	Qual	438 470 437 46.4 190 1930 436 469 448	500.0 500.0 500.0 50.00 200.0 2000 500.0 500.0 500.0	0 0 0 0 0 0 0	87.5 93.9 87.3 92.7 95.2 96.4 87.2 93.9 89.6 93.6	80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	Analyzed  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202
SampID: LCS-225411  Analyses Antimony Arsenic Boron Cadmium Chromium Iron Lead Manganese Selenium Vanadium Zinc  Batch 225411 SampType SampID: 24061026-005DMS	Cert *	RL 1.0 1.0 25.0 1.0 1.5 25.0 1.0 2.0 1.0 5.0 15.0	Qual B	438 470 437 46.4 190 1930 436 469 448	500.0 500.0 500.0 50.00 200.0 2000 500.0 500.0 500.0	0 0 0 0 0 0 0	87.5 93.9 87.3 92.7 95.2 96.4 87.2 93.9 89.6 93.6 90.4	80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	Analyzed  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202
SampID: LCS-225411  Analyses Antimony Arsenic Boron Cadmium Chromium Iron Lead Manganese Selenium Vanadium Zinc  Batch 225411 SampType SampID: 24061026-005DMS  Analyses	Cert *	RL 1.0 1.0 25.0 1.0 1.5 25.0 1.0 2.0 1.0 5.0 15.0	Qual B Units µg/L	438 470 437 46.4 190 1930 436 469 448 468 452	500.0 500.0 500.0 50.00 200.0 200.0 500.0 500.0 500.0 500.0	0 0 0 0 0 0 0 0	87.5 93.9 87.3 92.7 95.2 96.4 87.2 93.9 89.6 93.6 90.4	80 80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	Analyzed  07/09/202  07/09/203  07/09/203  07/09/203  07/09/203  07/09/203  07/09/203  07/09/203  07/09/203  Date  Analyzed
SampID: LCS-225411  Analyses Antimony Arsenic Boron Cadmium Chromium Iron Lead Manganese Selenium Vanadium Zinc	Cert *	RL 1.0 1.0 25.0 1.0 1.5 25.0 1.0 2.0 1.0 5.0 15.0	Qual B Units µg/L	438 470 437 46.4 190 1930 436 469 448 468 452	500.0 500.0 500.0 50.00 200.0 2000 500.0 500.0 500.0 500.0	0 0 0 0 0 0 0 0 0 0	87.5 93.9 87.3 92.7 95.2 96.4 87.2 93.9 89.6 93.6 90.4	80 80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	Analyzed  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  07/09/202  Date



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SW-846 3005A, 6020A, META	LS BY ICE	MS (D	ISSOLVEL	9)						
Satch 225411 SampType:	MSD		Units µg/L					RPD Lir	nit: <b>20</b>	
SampID: 24061026-005DMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		Analyzed
Iron		25.0		1890	2000	12.03	93.8	1865	1.26	07/09/20
Manganese		2.0		472	500.0	23.18	89.7	488.3	3.47	07/09/20
Zinc		15.0		453	500.0	7.857	89.0	458.0	1.11	07/09/20
Satch 225500 SampType:	MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	07/10/20
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	07/10/20
Boron		25.0		< 25.0	9.250	0	0	-100	100	07/10/20
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	07/10/20
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	07/10/20
ron		25.0		< 25.0	11.50	0	0	-100	100	07/10/20
Lead		1.0		< 1.0	0.6000	0	0	-100	100	07/10/20
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	07/10/20
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	07/10/20
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	07/10/20
Zinc		15.0		< 15.0	5.900	0	0	-100	100	07/10/20
Satch 225500 SampType:	LCS		Units µg/L							
ampID: LCS-225500 Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony	CCIT	1.0	Quai	445	500.0	0	88.9	80	120	07/10/20
Arsenic		1.0		462	500.0	0	92.4	80	120	07/10/20
Boron		25.0		424	500.0	0	84.7	80	120	07/10/20
Cadmium	*	1.0		45.2	50.00	0	90.3	80	120	07/10/20
Chromium		1.5		190	200.0	0	94.8	80	120	07/10/20
ron		25.0		2080	2000	0	104.2	80	120	07/10/20
-ead		1.0		450	500.0	0	89.9	80	120	07/10/20
Manganese		2.0		471	500.0	0	94.2	80	120	07/10/20
Selenium		1.0		463	500.0	0	92.6	80	120	07/10/20
Vanadium		5.0		462	500.0	0	92.5	80	120	07/10/20
Zinc		15.0		450	500.0	0	89.9	80	120	07/10/20



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SW-846 3005A, 6020A, METAL  Batch 225500 SampType:  SampID: 24061026-045CMS  Analyses		, -	Units µg/L	•						
Analyses										Date
	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		1.0		506	500.0	0	101.2	75	125	07/10/202
Boron		25.0		553	500.0	29.64	104.7	75	125	07/10/202
Cadmium	*	1.0		48.4	50.00	0	96.9	75	125	07/10/20
Chromium		1.5		197	200.0	0.8586	98.3	75	125	07/10/202
Iron		25.0		2150	2000	146.6	100.3	75	125	07/10/20
Lead		1.0		475	500.0	0	95.1	75	125	07/10/20
Manganese		2.0		636	500.0	136.1	100.1	75	125	07/10/20
Selenium		1.0		488	500.0	0	97.7	75	125	07/10/20
Zinc		15.0		464	500.0	0	92.9	75	125	07/10/20
Batch 225500 SampType:	MSD		Units µg/L					RPD Lir	nit: <b>20</b>	
SampID: 24061026-045CMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Arsenic		1.0		463	500.0	0	92.5	506.2	8.98	07/10/20
Boron		25.0		506	500.0	29.64	95.4	553.0	8.79	07/10/20
Cadmium	*	1.0		44.2	50.00	0	88.3	48.44	9.23	07/10/20
Chromium		1.5		181	200.0	0.8586	90.0	197.5	8.77	07/10/20
Iron		25.0		1980	2000	146.6	91.7	2153	8.29	07/10/20
Lead		1.0		455	500.0	0	90.9	475.4	4.49	07/10/20
Manganese		2.0		577	500.0	136.1	88.2	636.4	9.74	07/10/20
Selenium		1.0		450	500.0	0	90.0	488.4	8.17	07/10/20
Zinc		15.0		434	500.0	0	86.8	464.4	6.75	07/10/20
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	CCIT	1.0	Quai	467	500.0	0	93.4	75	125	07/10/20
Arsenic		1.0		495	500.0	5.936	97.8	75 75	125	07/10/20
Boron		25.0		607	500.0	94.35	102.6	75 75	125	07/10/20
Cadmium	*	1.0		48.4	50.00	0	96.9	75 75	125	07/10/20
		1.5		193	200.0	0.7735	95.9	75 75	125	07/10/20
Chromium					_00.0	5		. 5	0	5., 10,20
		1.0		476	500.0	0	95.3	75	125	07/10/20
Lead		1.0 1.0		476 459	500.0 500.0	0	95.3 91.8	75 75	125 125	
Chromium Lead Selenium Vanadium		1.0 1.0 5.0		476 459 487	500.0 500.0 500.0	0 0	<ul><li>95.3</li><li>91.8</li><li>97.3</li></ul>	75 75 75	125 125 125	07/10/20 07/10/20 07/10/20



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Batch 225500 SampType:	MSD	l	Jnits µg/L					RPD Lir	mit: <b>20</b>	
SamplD: 24061026-061DMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Antimony	CCIT	1.0	Quui	506	500.0	0	101.1	467.1	7.90	07/10/202
Arsenic		1.0		503	500.0	5.936	99.4	494.9	1.62	07/10/202
Boron		25.0		638	500.0	94.35	108.7	607.1	4.95	07/10/202
Cadmium	*	1.0		49.6	50.00	0	99.2	48.44	2.38	07/10/202
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	ι	Jnits µg/L							
Batch 225569 SampType: SampID: MBLK-225569	MBLK	l	Jnits µg/L							Date
	MBLK Cert	RL	Jnits <b>µg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: MBLK-225569				Result	Spike 0.4500	SPK Ref Val	%REC	Low Limit	High Limit	
SampID: MBLK-225569 Analyses		RL			•				Ū	Analyzed 07/11/2024
SampID: MBLK-225569  Analyses  Antimony		RL 1.0		< 1.0	0.4500	0	0	-100	100	Analyzed
SampID: MBLK-225569  Analyses  Antimony  Arsenic		RL 1.0 1.0		< 1.0 < 1.0	0.4500 0.3750	0	0	-100 -100	100 100	07/11/202- 07/11/202- 07/15/202-
SampID: MBLK-225569  Analyses  Antimony  Arsenic  Boron	Cert	RL 1.0 1.0 25.0		< 1.0 < 1.0 < 25.0	0.4500 0.3750 9.250	0 0 0	0 0 0	-100 -100 -100	100 100 100	Analyzed  07/11/202- 07/11/202- 07/15/202- 07/11/202-
SampID: MBLK-225569  Analyses  Antimony  Arsenic  Boron  Cadmium	Cert	RL 1.0 1.0 25.0 1.0		< 1.0 < 1.0 < 25.0 < 1.0	0.4500 0.3750 9.250 0.1340	0 0 0 0	0 0 0 0	-100 -100 -100 -100	100 100 100 100	Analyzed  07/11/202  07/15/202  07/11/202  07/11/202
SampID: MBLK-225569  Analyses  Antimony  Arsenic  Boron  Cadmium  Chromium	Cert	RL 1.0 1.0 25.0 1.0		<1.0 <1.0 <25.0 <1.0 <1.5	0.4500 0.3750 9.250 0.1340 0.7000	0 0 0 0 0	0 0 0 0	-100 -100 -100 -100 -100	100 100 100 100 100	Analyzed  07/11/202  07/11/202  07/15/202  07/11/202  07/11/202  07/11/202
Analyses Antimony Arsenic Boron Cadmium Chromium Iron Lead	Cert	RL 1.0 1.0 25.0 1.0 1.5 25.0		< 1.0 < 1.0 < 25.0 < 1.0 < 1.5 < 25.0	0.4500 0.3750 9.250 0.1340 0.7000 11.50	0 0 0 0 0 0	0 0 0 0 0	-100 -100 -100 -100 -100 -100	100 100 100 100 100 100	Analyzed  07/11/202  07/11/202  07/15/202  07/11/202  07/11/202  07/11/202  07/11/202
SampID: MBLK-225569  Analyses  Antimony  Arsenic  Boron  Cadmium  Chromium  Iron	Cert	RL 1.0 1.0 25.0 1.0 1.5 25.0 1.0		<1.0 <1.0 <25.0 <1.0 <1.5 <25.0 <1.0	0.4500 0.3750 9.250 0.1340 0.7000 11.50 0.6000	0 0 0 0 0 0	0 0 0 0 0 0	-100 -100 -100 -100 -100 -100	100 100 100 100 100 100	Analyzed  07/11/202- 07/11/202- 07/11/202- 07/11/202- 07/11/202- 07/11/202- 07/11/202-
SampID: MBLK-225569  Analyses  Antimony  Arsenic  Boron  Cadmium  Chromium  Iron  Lead  Manganese	Cert	RL 1.0 1.0 25.0 1.0 1.5 25.0 1.0 2.0		<1.0 <1.0 <25.0 <1.0 <1.5 <25.0 <1.0 <2.0	0.4500 0.3750 9.250 0.1340 0.7000 11.50 0.6000 0.7500	0 0 0 0 0 0 0	0 0 0 0 0 0 0	-100 -100 -100 -100 -100 -100 -100	100 100 100 100 100 100 100	Analyzed 07/11/202- 07/11/202-



Zinc

## **Quality Control Results**

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Client: Ramboll Work Order: 24061026
Client Project: NEW-24Q3 Report Date: 06-Sep-24

Dutti	pe: LCS		Units µg/L							
SampID: LCS-225569 Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony	Cort	1.0	Quui	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
Satch 225569 SampTy	pe: MS		Units µg/L							
SampID: 24061026-043CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	07/15/202
Cadmium	*	1.0		40.2	50.00	0	80.4	75	125	07/12/202
Chromium		3.0		172	200.0	1.888	85.2	75	125	07/16/202
Iron		50.0		1830	2000	0	91.4	75	125	07/16/202
Lead		1.0		437	500.0	0	87.5	75	125	07/12/202
Manganese		4.0		532	500.0	89.66	88.5	75	125	07/15/202

30.0

441

500.0 0

88.2

75

125

07/15/2024



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Chemi Troject. NEW 24Q5								Report Dat	с. 00 эср	27
SW-846 3005A, 6020A, MET	ALS BY ICE	PMS (D	ISSOLVED	))						
Batch 225569 SampType	: MSD		Units µg/L					RPD Lir	nit: <b>20</b>	
SamplD: 24061026-043CMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Arsenic		1.0	<b>Q</b> 0.002	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
<b>Batch 225569 SampType</b> SampID: 24061026-059DMS	e: MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	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 Lir	nit: <b>20</b>	
SampID: 24061026-059DMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	RPD Ref V	al %RPD	Date Analyzed
Antimony	CCIT	1.0	Quai	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
		10.0		74-7	300.0	5	07.0	711.J	1.07	01/12/2024



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	SampType:	MBLK		Units µg/L							
SampID: MBLK-22565	57										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony			1.0		< 1.0	0.4500	0	0	-100	100	07/15/202
Arsenic			1.0		< 1.0	0.3750	0	0	-100	100	07/15/202
Boron			25.0		< 25.0	9.250	0	0	-100	100	07/15/202
Cadmium		*	1.0		< 1.0	0.1340	0	0	-100	100	07/15/202
Chromium			1.5		< 1.5	0.7000	0	0	-100	100	07/15/202
Iron			25.0		< 25.0	11.50	0	0	-100	100	07/15/202
Lead			1.0		< 1.0	0.6000	0	0	-100	100	07/15/202
Manganese			2.0		< 2.0	0.7500	0	0	-100	100	07/15/202
Selenium			1.0		< 1.0	0.6000	0	0	-100	100	07/15/202
Vanadium			5.0		< 5.0	5.000	0	0	-100	100	07/15/202
Zinc			15.0		< 15.0	5.900	0	0	-100	100	07/15/202
Batch 225657	SampType:	LCS		Units µg/L							
SampID: LCS-225657											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony			1.0		444	500.0	0	88.8	80	120	07/15/202
Arsenic			1.0		449	500.0	0	89.9	80	120	07/15/202
Boron			25.0		427	500.0	0	85.4	80	120	07/15/202
Cadmium		*	1.0		44.1	50.00	0	88.3	80	120	07/15/202
Chromium			1.5		175	200.0	0	87.4	80	120	07/15/202
Iron			25.0		1880	2000	0	93.9	80	120	07/16/202
Lead			1.0		439	500.0	0	87.8	80	120	07/15/202
Manganese			2.0		467	500.0	0	93.3	80	120	07/15/202
Selenium			1.0		461	500.0	0	92.2	80	120	07/15/202
Vanadium			5.0		430	500.0	0	86.0	80	120	07/15/202
Zinc			15.0		446	500.0	0	89.2	80	120	07/15/202
	SampType:	MS		Units µg/L							
SampID: 24070879-00 Analyses	)1CMS	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	07/15/202
-			1.0		470	500.0	3.960	93.2	75	125	07/15/202
Arsenic											
Arsenic Lead			1.0		447	500.0	0	89.4	75	125	07/15/202



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Batch 225657 SampType	: MSD		Units µg/L					RPD Lir	mit: <b>20</b>	
SamplD: 24070879-001CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Antimony		1.0		507	500.0	0	101.4	481.7	5.15	07/15/202
Arsenic		1.0		476	500.0	3.960	94.5	470.2	1.31	07/15/202
Lead		1.0		478	500.0	0	95.6	447.0	6.67	07/15/202
Selenium		1.0		470	500.0	0.8546	93.9	463.5	1.42	07/15/202
Batch 225949 SampType	: MBLK		Units µg/L							
SampID: MBLK-225949										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Boron		25.0		< 25.0	9.250	0	0	-100	100	07/22/20
Iron		25.0		< 25.0	11.50	0	0	-100	100	07/23/20
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	07/22/20
2 005040 CompTupo			Linita/I							
SampID: LCS-225949		RI.	Units µg/L	Result	Snike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: LCS-225949	: LCS Cert	RL 25.0	Units µg/L Qual	Result	Spike 500.0	SPK Ref Val	%REC 82.9	Low Limit 80	High Limit	Analyzed
SampID: LCS-225949  Analyses  Boron									J	Analyzed 07/22/20
SamplD: LCS-225949  Analyses		25.0		414	500.0	0	82.9	80	120	
SampID: LCS-225949  Analyses  Boron  Iron  Manganese  Batch 225949  SampType	Cert	25.0 25.0		414 1980	500.0 2000	0	82.9 98.9	80 80	120 120	07/22/20 07/23/20 07/22/20
SampID: LCS-225949  Analyses  Boron  Iron  Manganese  Batch 225949 SampType  SampID: 24061026-013CMS	Cert	25.0 25.0 2.0	Qual Units µg/L	414 1980 422	500.0 2000 500.0	0	82.9 98.9	80 80	120 120 120	Analyzed 07/22/20 07/23/20
SampID: LCS-225949  Analyses  Boron  Iron  Manganese  Batch 225949  SampType	Cert	25.0 25.0	Qual	414 1980	500.0 2000	0 0 0	82.9 98.9 84.5	80 80 80	120 120 120	07/22/20 07/23/20 07/22/20 Date
SampID: LCS-225949  Analyses  Boron  Iron  Manganese  Batch 225949 SampType  SampID: 24061026-013CMS  Analyses	Cert	25.0 25.0 2.0 RL	Qual Units µg/L	414 1980 422 Result	500.0 2000 500.0 Spike	0 0 0 SPK Ref Val	82.9 98.9 84.5	80 80 80 Low Limit	120 120 120 120	07/22/20 07/23/20 07/23/20 07/22/20 Date Analyzed
SampID: LCS-225949  Analyses  Boron Iron  Manganese  Batch 225949 SampType SampID: 24061026-013CMS  Analyses Iron  Manganese  Batch 225949 SampType	Cert : MS	25.0 25.0 2.0 RL 25.0	Qual Units µg/L	414 1980 422 Result 1900	500.0 2000 500.0 Spike 2000	0 0 0 SPK Ref Val	82.9 98.9 84.5 %REC 95.2	80 80 80 Low Limit 75	120 120 120 High Limit 125 125	O7/22/20 O7/23/20 O7/22/20 Date Analyzed O7/23/20 O7/22/20
SampID: LCS-225949  Analyses  Boron  Iron  Manganese  Batch 225949 SampType SampID: 24061026-013CMS  Analyses  Iron  Manganese  Batch 225949 SampType SampID: 24061026-013CMSD	Cert  : MS  Cert	25.0 25.0 2.0 RL 25.0 2.0	Oual Units µg/L Qual Units µg/L	414 1980 422 Result 1900 709	500.0 2000 500.0 Spike 2000 500.0	0 0 0 SPK Ref Val	82.9 98.9 84.5 %REC 95.2 83.9	80 80 80 Low Limit 75 75	120 120 120 High Limit 125 125	O7/22/20 O7/23/20 O7/22/20  Date Analyzed O7/23/20 O7/22/20
SampID: LCS-225949  Analyses  Boron  Iron  Manganese  Batch 225949 SampType SampID: 24061026-013CMS  Analyses  Iron  Manganese	Cert : MS	25.0 25.0 2.0 RL 25.0	Qual Units µg/L Qual	414 1980 422 Result 1900	500.0 2000 500.0 Spike 2000	0 0 0 SPK Ref Val 0 289.6	82.9 98.9 84.5 %REC 95.2 83.9	80 80 80 Low Limit 75 75	120 120 120 High Limit 125 125	O7/22/20 O7/23/20 O7/22/20  Date Analyzed O7/23/20 O7/22/20



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SW-846 3005A, 6 Batch 226587	SampType:		5 (2	Units µg/L							
Baten 220307 SampID: MBLK-22		WIDER		Offics pg/L							5.
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	08/02/20
Iron			25.0		< 25.0	11.50	0	0	-100	100	08/02/20
Manganese			2.0		< 2.0	0.7500	0	0	-100	100	08/02/20
Zinc			15.0		< 15.0	5.900	0	0	-100	100	08/02/20
<b>Batch 226587</b> SamplD: LCS-2265	SampType:	LCS		Units µg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony			1.0	В	464	500.0	0	92.7	80	120	08/02/20
Iron			25.0		2100	2000	0	104.9	80	120	08/02/20
Manganese			2.0		500	500.0	0	100.0	80	120	08/02/20
Zinc			15.0		509	500.0	0	101.7	80	120	08/02/20
Satch 226897	SampType:	MBLK		Units µa/L							
SampID: MBLK-22	SampType: 6897		RL	Units µg/L Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: MBLK-22		MBLK Cert	RL 1.0	Units µg/L Qual	Result	Spike 0.3750		%REC	Low Limit	High Limit	
SampID: MBLK-22 Analyses Arsenic										_	Analyzeo
SampID: MBLK-22 Analyses Arsenic Cadmium		Cert	1.0		< 1.0	0.3750	0	0	-100	100	08/09/20 08/09/20
SampID: MBLK-22  Analyses  Arsenic  Cadmium  Iron		Cert	1.0 1.0		< 1.0 < 1.0	0.3750 0.1340	0	0	-100 -100	100 100	08/09/20 08/09/20 08/09/20
SampID: MBLK-22 Analyses Arsenic Cadmium Iron Lead		Cert	1.0 1.0 25.0		< 1.0 < 1.0 < 25.0	0.3750 0.1340 11.50	0 0 0	0 0 0	-100 -100 -100	100 100 100	08/09/20 08/09/20 08/09/20 08/09/20
SampID: MBLK-22  Analyses  Arsenic  Cadmium  Iron  Lead  Manganese		Cert	1.0 1.0 25.0 1.0		< 1.0 < 1.0 < 25.0 < 1.0	0.3750 0.1340 11.50 0.6000	0 0 0	0 0 0 0	-100 -100 -100 -100	100 100 100 100	08/09/20 08/09/20 08/09/20 08/09/20 08/09/20
SampID: MBLK-22  Analyses  Arsenic  Cadmium  Iron  Lead  Manganese  Zinc  Batch 226897	SampType:	Cert *	1.0 1.0 25.0 1.0 2.0		<1.0 <1.0 <25.0 <1.0 <2.0	0.3750 0.1340 11.50 0.6000 0.7500	0 0 0 0	0 0 0 0	-100 -100 -100 -100 -100	100 100 100 100 100	08/09/20 08/09/20 08/09/20 08/09/20 08/09/20
Analyses Arsenic Cadmium Iron Lead Manganese Zinc  Batch 226897 SampID: LCS-2268	SampType:	Cert *	1.0 1.0 25.0 1.0 2.0	Qual	<1.0 <1.0 <25.0 <1.0 <2.0	0.3750 0.1340 11.50 0.6000 0.7500 5.900	0 0 0 0	0 0 0 0 0	-100 -100 -100 -100 -100	100 100 100 100 100	08/09/20 08/09/20 08/09/20 08/09/20 08/09/20
SampID: MBLK-22 Analyses Arsenic Cadmium Iron Lead Manganese Zinc  Batch 226897 SampID: LCS-2268 Analyses	SampType:	Cert  *	1.0 1.0 25.0 1.0 2.0 15.0	Qual Units µg/L	<1.0 <1.0 <25.0 <1.0 <2.0 <15.0	0.3750 0.1340 11.50 0.6000 0.7500 5.900	0 0 0 0 0	0 0 0 0 0	-100 -100 -100 -100 -100 -100	100 100 100 100 100 100	Analyzed 08/09/20 08/09/20 08/09/20 08/09/20 08/09/20 Date
Analyses Arsenic Cadmium Iron Lead Manganese Zinc  Batch 226897 SampID: LCS-2268 Analyses Arsenic	SampType:	Cert  *	1.0 1.0 25.0 1.0 2.0 15.0	Qual Units µg/L	< 1.0 < 1.0 < 25.0 < 1.0 < 2.0 < 15.0	0.3750 0.1340 11.50 0.6000 0.7500 5.900	0 0 0 0 0 0 SPK Ref Val	0 0 0 0 0 0	-100 -100 -100 -100 -100 -100	100 100 100 100 100 100	08/09/20 08/09/20 08/09/20 08/09/20 08/09/20 08/09/20 Date Analyzed
SampID: MBLK-22  Analyses  Arsenic  Cadmium  Iron  Lead  Manganese  Zinc  Batch 226897  SampID: LCS-2268  Analyses  Arsenic  Cadmium	SampType:	Cert  *	1.0 1.0 25.0 1.0 2.0 15.0 RL	Qual Units µg/L	< 1.0 < 1.0 < 25.0 < 1.0 < 2.0 < 15.0 Result	0.3750 0.1340 11.50 0.6000 0.7500 5.900 Spike 500.0	0 0 0 0 0 0 SPK Ref Val	0 0 0 0 0 0 0 %REC 97.6	-100 -100 -100 -100 -100 -100	100 100 100 100 100 100 High Limit	08/09/20 08/09/20 08/09/20 08/09/20 08/09/20 Date Analyzed 08/09/20
Analyses Arsenic Cadmium Iron Lead Manganese Zinc  Batch 226897 SampID: LCS-2268 Analyses Arsenic Cadmium Iron	SampType:	Cert  *	1.0 1.0 25.0 1.0 2.0 15.0 RL 1.0	Qual Units µg/L	<1.0 <1.0 <25.0 <1.0 <2.0 <15.0  Result  488 46.3	0.3750 0.1340 11.50 0.6000 0.7500 5.900 Spike 500.0 50.00	0 0 0 0 0 0 SPK Ref Val 0	0 0 0 0 0 0 0 %REC 97.6	-100 -100 -100 -100 -100 -100 Low Limit 80 80	100 100 100 100 100 100 High Limit 120 120	08/09/20 08/09/20 08/09/20 08/09/20 08/09/20 Date Analyzer 08/09/20 08/09/20
Batch 226897 SampID: MBLK-22 Analyses Arsenic Cadmium Iron Lead Manganese Zinc Batch 226897 SampID: LCS-2268 Analyses Arsenic Cadmium Iron Lead Manganese	SampType:	Cert  *	1.0 1.0 25.0 1.0 2.0 15.0 RL 1.0 1.0 25.0	Qual Units µg/L	< 1.0 < 1.0 < 25.0 < 1.0 < 2.0 < 15.0 Result  488  46.3  1970	0.3750 0.1340 11.50 0.6000 0.7500 5.900 Spike 500.0 50.00 2000	0 0 0 0 0 0 0 SPK Ref Val 0 0	0 0 0 0 0 0 0 %REC 97.6 92.6 98.5	-100 -100 -100 -100 -100 -100 -100 Low Limit 80 80 80	100 100 100 100 100 100 High Limit 120 120	08/09/20 08/09/20 08/09/20 08/09/20 08/09/20 Date Analyzer



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Batch 226897 SampTyp	pe: MS		Units µg/L							
SampID: 24080004-006DMS Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	Cort	1.0	Quui	493	500.0	13.61	96.0	75	125	08/09/202
Batch 226897 SampTyp	pe: MSD		Units µg/L					RPD Lin	nit: <b>20</b>	
SampID: 24080004-006DMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Arsenic		1.0		500	500.0	13.61	97.4	493.5	1.41	08/09/202
Batch 227702 SampТур SampID: MBLK-227702	pe: MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/28/202
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/28/202
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	08/28/202
Batch 227702 SampTyp	pe: LCS		Units µg/L							
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony	CCIT	1.0	Quui	439	500.0	0	87.8	80	120	08/28/202
Lead		1.0		470	500.0	0	94.1	80	120	08/28/202
Manganese		2.0		499	500.0	0	99.8	80	120	08/28/202
<b>Batch 227702 SampTy</b> SampID: 24081635-001DMS	pe: MS		Units µg/L							
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony	CCIT	1.0	Quai	525	500.0	0	105.0	75	125	08/28/202
Dutti	pe: MSD		Units µg/L					RPD Lim	nit: <b>20</b>	
SampID: 24081635-001DMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Antimony		1.0		465	500.0	0	93.1	525.1	12.07	08/28/202
D 1 207700 CommT.	pe: MS		Units µg/L							
										Date
Batch 227702 SampTyp SampID: 24081635-010DMS Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed



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SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)												
Batch 227702 SampType: MSD Units μg/L RPD Limit: 20												
SampID: 24081635-	-010DMSD										Date	
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	/al %RPD	Analyzed	
Lead			1.0		424	500.0	0	84.8	451.7	6.35	08/28/2024	

SW-846 3005A, 6020A, MET	ALS BY ICF	MS (TOT	AL)							
Batch 224960 SampType	: MBLK	Un	its µg/L							
SampID: MBLK-224960										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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-2249	60										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



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Batch 225284 SamplD: MBLK-225284	ampType: <sup>‡</sup>	MBLK		Units µg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		COIT	1.0	Quai	< 1.0	0.4500	0	0	-100	100	07/09/202
Antimony			1.0	S	1.7	0.4500	0	371.3	-100	100	07/05/202
Arsenic			1.0		< 1.0	0.3750	0	0	-100	100	07/05/202
Barium			1.0		< 1.0	0.7000	0	0	-100	100	07/05/202
Beryllium			1.0		< 1.0	0.2500	0	0	-100	100	07/05/202
Boron			25.0		< 25.0	9.250	0	0	-100	100	07/05/202
Cadmium		*	1.0		< 1.0	0.1340	0	0	-100	100	07/05/202
Chromium			1.5		< 1.5	0.7000	0	0	-100	100	07/05/202
Cobalt			1.0		< 1.0	0.1150	0	0	-100	100	07/05/202
Lead			1.0		< 1.0	0.6000	0	0	-100	100	07/05/202
Lithium		*	3.0		< 3.0	1.450	0	0	-100	100	07/05/202
Molybdenum			1.5		< 1.5	0.6000	0	0	-100	100	07/08/202
Selenium			1.0		< 1.0	0.6000	0	0	-100	100	07/05/202
Thallium			2.0		< 2.0	0.9500	0	0	-100	100	07/05/202
											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses Antimony		Cert	RL 1.0	Qual B	Result 531	Spike 500.0	SPK Ref Val	%REC 106.2	Low Limit	High Limit	Analyzed
		Cert								Ū	Analyzed 07/05/202
Antimony Arsenic		Cert	1.0		531	500.0	0	106.2	80	120	
Antimony Arsenic Barium		Cert	1.0 1.0		531 488	500.0 500.0	0	106.2 97.6	80 80	120 120	Analyzed 07/05/202 07/05/202 07/05/202
Antimony Arsenic Barium		Cert	1.0 1.0 1.0		531 488 1940	500.0 500.0 2000	0 0 0	106.2 97.6 96.9	80 80 80	120 120 120	Analyzed  07/05/202  07/05/202  07/05/202  07/05/202
Antimony Arsenic Barium Beryllium Boron		Cert *	1.0 1.0 1.0 1.0		531 488 1940 49.1	500.0 500.0 2000 50.00	0 0 0	106.2 97.6 96.9 98.2	80 80 80 80	120 120 120 120	Analyzed 07/05/202 07/05/202
Antimony Arsenic Barium Beryllium Boron Cadmium		Cert *	1.0 1.0 1.0 1.0 25.0		531 488 1940 49.1 486	500.0 500.0 2000 50.00 500.0	0 0 0 0	106.2 97.6 96.9 98.2 97.2	80 80 80 80	120 120 120 120 120	Analyzed 07/05/202 07/05/202 07/05/202 07/05/202 07/05/202
Antimony Arsenic Barium Beryllium Boron Cadmium Chromium		Cert *	1.0 1.0 1.0 1.0 25.0		531 488 1940 49.1 486 55.3	500.0 500.0 2000 50.00 500.0 50.00	0 0 0 0 0	106.2 97.6 96.9 98.2 97.2 110.6	80 80 80 80 80	120 120 120 120 120 120	Analyzed  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202
Antimony Arsenic Barium Beryllium Boron Cadmium Chromium		Cert *	1.0 1.0 1.0 1.0 25.0 1.0		531 488 1940 49.1 486 55.3	500.0 500.0 2000 50.00 500.0 50.00 200.0	0 0 0 0 0 0	106.2 97.6 96.9 98.2 97.2 110.6 97.9	80 80 80 80 80 80	120 120 120 120 120 120 120	Analyzed  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202
Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium		*	1.0 1.0 1.0 1.0 25.0 1.0		531 488 1940 49.1 486 55.3 196	500.0 500.0 2000 50.00 500.0 50.00 200.0 500.0	0 0 0 0 0 0 0	106.2 97.6 96.9 98.2 97.2 110.6 97.9	80 80 80 80 80 80	120 120 120 120 120 120 120 120	Analyzed  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202
Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium		*	1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0		531 488 1940 49.1 486 55.3 196 479	500.0 500.0 2000 50.00 500.0 200.0 500.0 500.0	0 0 0 0 0 0 0	106.2 97.6 96.9 98.2 97.2 110.6 97.9 95.9 97.3	80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120	Analyzed  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202
Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium Molybdenum		*	1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0 1.5 1.0		531 488 1940 49.1 486 55.3 196 479 486	500.0 500.0 2000 50.00 500.0 500.0 500.0 500.0	0 0 0 0 0 0 0 0	106.2 97.6 96.9 98.2 97.2 110.6 97.9 95.9 97.3	80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	Analyzed  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202
Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium Molybdenum Selenium		*	1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0		531 488 1940 49.1 486 55.3 196 479 486 495	500.0 500.0 2000 50.00 500.0 200.0 500.0 500.0 500.0	0 0 0 0 0 0 0 0	106.2 97.6 96.9 98.2 97.2 110.6 97.9 95.9 97.3 99.0 82.1	80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	Analyzed 07/05/20 07/05/20 07/05/20 07/05/20 07/05/20 07/05/20 07/05/20 07/05/20 07/05/20 07/05/20 07/05/20 07/05/20
Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium Molybdenum Selenium Thallium	ampType:	*	1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0 1.5 1.0 2.0		531 488 1940 49.1 486 55.3 196 479 486 495 411	500.0 500.0 2000 50.00 500.0 500.0 500.0 500.0 500.0 500.0	0 0 0 0 0 0 0 0 0	106.2 97.6 96.9 98.2 97.2 110.6 97.9 95.9 97.3 99.0 82.1 95.4	80 80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	Analyzed 07/05/202 07/05/203 07/05/203 07/05/203 07/05/203 07/05/203 07/05/203 07/05/203 07/05/203 07/05/203 07/05/203 07/05/203 07/05/203
Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium Molybdenum Selenium Thallium		*	1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0 1.5 1.0 2.0	В	531 488 1940 49.1 486 55.3 196 479 486 495 411	500.0 500.0 2000 50.00 500.0 500.0 500.0 500.0 500.0 500.0	0 0 0 0 0 0 0 0 0	106.2 97.6 96.9 98.2 97.2 110.6 97.9 95.9 97.3 99.0 82.1 95.4 90.9	80 80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	Analyzed  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202  07/05/202



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SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)											
Batch 225284 SampType: MSD Units μg/L RPD Limit: 20											
SampID: 24061026	-058CMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref	Val %RPD	Analyzed
Boron 25.0 <b>582</b> 500.0 158.6 84.7 597.2 2.60 07/05/2											

Batch 225498 SampTyp	e: MBLK	U	nits µg/L							
SampID: MBLK-225498										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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-2254	98										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



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SW-846 3005A, 6020A, META	LS BY ICF	PMS (TO	OTAL)							
Batch         225498         SampType:           SampID:         24061026-017BMS	MS		Units <b>µg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		1.0		504	500.0	0	100.8	75	125	07/11/202
Arsenic		1.0		500	500.0	8.134	98.3	75	125	07/11/20
Barium		1.0		1960	2000	52.73	95.3	75	125	07/11/20
Beryllium		1.0		51.1	50.00	0	102.2	75	125	07/11/20
Boron		25.0		612	500.0	111.0	100.3	75	125	07/11/20
Cadmium	*	1.0		45.8	50.00	0	91.6	75	125	07/11/20
Chromium		1.5		187	200.0	1.332	92.9	75	125	07/11/20
Cobalt		1.0		464	500.0	0	92.7	75	125	07/11/20
Lead		1.0		492	500.0	0	98.4	75	125	07/11/202
Lithium	*	3.0		570	500.0	19.81	110.0	75	125	07/11/20
Molybdenum		1.5		457	500.0	4.975	90.4	75	125	07/12/20
Selenium		1.0		475	500.0	0	94.9	75	125	07/11/20
Thallium		2.0		245	250.0	0	97.9	75	125	07/11/20
Satch 225498 SampType:	MSD		Units µg/L					RPD Lir	nit: <b>20</b>	
amplD: 24061026-017BMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Antimony		1.0	•	514	500.0	0	102.7	504.0	1.88	07/11/20
Arsenic		1.0		504	500.0	8.134	99.2	499.7	0.92	07/11/20
Barium		1.0		1940	2000	52.73	94.1	1958	1.19	07/11/20
Beryllium		1.0		50.1	50.00	0	100.2	51.12	1.98	07/11/20
Boron		25.0		609	500.0	111.0	99.6	612.3	0.51	07/11/20
Cadmium	*	1.0		47.2	50.00	0	94.3	45.79	2.94	07/11/20
Chromium		1.5		198	200.0	1.332	98.1	187.2	5.39	07/11/20
Cobalt		1.0		467	500.0	0	93.3	463.5	0.65	07/11/20
Lead		1.0		517	500.0	0	103.4	491.9	4.93	07/11/20
Lithium	*	3.0		568	500.0	19.81	109.6	569.6	0.34	07/11/20
Molybdenum		1.5		451	500.0	4.975	89.3	456.9	1.22	07/12/20
Selenium		1.0		479	500.0	0	95.9	474.7	0.96	07/11/20
Γhallium		2.0		243	250.0	0	97.3	244.8	0.64	07/11/20
Satch 225498 SampType:	MS		Units µg/L							
ampID: 24061026-060CMS					0.11	SPK Ref Val	0/ DEC	Low Limit	Lligh Limit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SFR Rei Vai	%REC	LOW LITTIL	High Limit	,



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Batch 225498 SampType	: MSD		Units µg/L					RPD Lir	mit: <b>20</b>	
SampID: 24061026-060CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Boron		25.0		629	500.0	107.0	104.3	623.8	0.76	07/11/202
Batch 225566 SampType SampID: MBLK-225566	: MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	07/12/202
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	07/12/202
Barium		1.0		< 1.0	0.7000	0	0	-100	100	07/12/20
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	07/12/20
Boron		25.0		< 25.0	9.250	0	0	-100	100	07/15/20
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	07/12/20
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	07/12/20
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	07/12/20
Lead		1.0		< 1.0	0.6000	0	0	-100	100	07/12/20
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	07/12/20
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	07/12/20
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	07/12/20
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	07/12/202
Batch 225566 SampType	: LCS		Units µg/L							
SampID: LCS-225566	Cort	Dī	Ouel	Dogult	a !!	SPK Ref Val	0/ DEC	L accordinate	High Limit	Date Analyzed

	Daten 220000 ommprijes		•	µg, =							
	SampID: LCS-225566										Date
_	Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



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SW-846 3005A, 6020A, META	I S BY ICE	MS (T	ΌΤΔΙ )							
Batch 225566 SampType:	MS	(1	Units µg/L							
SampID: 24061026-022BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Boron		25.0		678	500.0	174.9	100.6	75	125	07/15/2024
Batch 225566 SampType:	MSD		Units µg/L					RPD Lir	nit: <b>20</b>	
SamplD: 24061026-022BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



Thallium

## **Quality Control Results**

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Client: Ramboll Work Order: 24061026
Client Project: NEW-24Q3 Report Date: 06-Sep-24

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	07/15/202
Arsenic		1.0		532	500.0	0	106.3	80	120	07/15/202
Barium		1.0		2170	2000	0	108.5	80	120	07/15/202
Beryllium		1.0		48.4	50.00	0	96.8	80	120	07/15/202
Boron		25.0		470	500.0	0	94.1	80	120	07/15/202
Cadmium	*	1.0		52.4	50.00	0	104.7	80	120	07/15/202
Chromium		1.5		213	200.0	0	106.7	80	120	07/15/202
Cobalt		1.0		524	500.0	0	104.9	80	120	07/15/202
Lead		1.0		518	500.0	0	103.6	80	120	07/15/202
Lithium	*	3.0		509	500.0	0	101.7	80	120	07/15/202
Molybdenum		1.5		489	500.0	0	97.7	80	120	07/15/202
Selenium		1.0		540	500.0	0	107.9	80	120	07/15/202
Thallium		2.0		235	250.0	0	93.9	80	120	07/15/202
Batch 226569 SampType: SampID: MBLK-226569	MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/05/202
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/05/202
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/05/202
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/05/202
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/05/202
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/05/202
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/05/202
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/05/202
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/05/202
Silver		1.0		< 1.0	0.1110	0	0	-100	100	08/05/20
							_			00/5=1-

2.0

< 2.0

0.9500 0

0

-100

100

08/05/2024



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SW-846 3005A, 6020A, ME	TALS BY ICE	PMS (T	TOTAL)							
Batch 226569 SampTy	pe: LCS		Units µg/L							
SampID: LCS-226569										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 SampTy	pe: MS		Units µg/L							
SamplD: 24071451-035CMS										
										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Analyses Antimony	Cert	RL 1.0	Qual	537	Spike 500.0	0	%REC 107.5	Low Limit	High Limit	
	Cert		Qual		•					Analyzed
Antimony	Cert	1.0	Qual	537	500.0	0	107.5	75	125	Analyzed 08/06/2024
Antimony Arsenic	Cert	1.0 1.0	Qual	537 511	500.0 500.0	0	107.5 102.3	75 75	125 125	Analyzed 08/06/2024 08/06/2024
Antimony Arsenic Barium	Cert	1.0 1.0 1.0	Qual	537 511 2060	500.0 500.0 2000	0 0 52.07	107.5 102.3 100.2	75 75 75	125 125 125	08/06/2024 08/06/2024 08/06/2024
Antimony Arsenic Barium Beryllium	Cert *	1.0 1.0 1.0 1.0	Qual	537 511 2060 52.4	500.0 500.0 2000 50.00	0 0 52.07 0	107.5 102.3 100.2 104.8	75 75 75 75	125 125 125 125 125	08/06/2024 08/06/2024 08/06/2024 08/06/2024
Antimony Arsenic Barium Beryllium Boron		1.0 1.0 1.0 1.0 25.0	Qual	537 511 2060 52.4 541	500.0 500.0 2000 50.00 500.0	0 0 52.07 0	107.5 102.3 100.2 104.8 108.1	75 75 75 75 75	125 125 125 125 125	08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024
Antimony Arsenic Barium Beryllium Boron Cadmium		1.0 1.0 1.0 1.0 25.0	Qual	537 511 2060 52.4 541 51.0	500.0 500.0 2000 50.00 500.0 50.00	0 0 52.07 0 0	107.5 102.3 100.2 104.8 108.1 102.0	75 75 75 75 75 75	125 125 125 125 125 125	08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024
Antimony Arsenic Barium Beryllium Boron Cadmium Chromium		1.0 1.0 1.0 1.0 25.0 1.0	Qual	537 511 2060 52.4 541 51.0	500.0 500.0 2000 50.00 500.0 500.0 200.0	0 0 52.07 0 0 0	107.5 102.3 100.2 104.8 108.1 102.0 103.5	75 75 75 75 75 75 75	125 125 125 125 125 125 125	08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024
Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt		1.0 1.0 1.0 1.0 25.0 1.0 1.5	Qual	537 511 2060 52.4 541 51.0 207	500.0 500.0 2000 50.00 500.0 50.00 200.0 500.0	0 0 52.07 0 0 0	107.5 102.3 100.2 104.8 108.1 102.0 103.5 98.5	75 75 75 75 75 75 75 75	125 125 125 125 125 125 125 125	08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024
Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead		1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0	Qual	537 511 2060 52.4 541 51.0 207 493 546	500.0 500.0 2000 50.00 500.0 200.0 500.0 500.0	0 0 52.07 0 0 0 0	107.5 102.3 100.2 104.8 108.1 102.0 103.5 98.5 109.2	75 75 75 75 75 75 75 75	125 125 125 125 125 125 125 125 125	08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024
Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium		1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0	Qual	537 511 2060 52.4 541 51.0 207 493 546	500.0 500.0 2000 50.00 500.0 500.0 500.0 500.0	0 0 52.07 0 0 0 0 0 0	107.5 102.3 100.2 104.8 108.1 102.0 103.5 98.5 109.2 108.0	75 75 75 75 75 75 75 75 75	125 125 125 125 125 125 125 125 125 125	08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024
Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium Molybdenum		1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0	Qual	537 511 2060 52.4 541 51.0 207 493 546 541	500.0 500.0 2000 50.00 500.0 200.0 500.0 500.0 500.0	0 0 52.07 0 0 0 0 0 0 1.655	107.5 102.3 100.2 104.8 108.1 102.0 103.5 98.5 109.2 108.0 93.9	75 75 75 75 75 75 75 75 75	125 125 125 125 125 125 125 125 125 125	08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024 08/06/2024
Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Lead Lithium Molybdenum Selenium		1.0 1.0 1.0 25.0 1.0 1.5 1.0 3.0 1.5 1.0	Qual	537 511 2060 52.4 541 51.0 207 493 546 541 469 528	500.0 500.0 2000 50.00 500.0 500.0 500.0 500.0 500.0 500.0	0 0 52.07 0 0 0 0 0 0 1.655	107.5 102.3 100.2 104.8 108.1 102.0 103.5 98.5 109.2 108.0 93.9 105.5	75 75 75 75 75 75 75 75 75 75	125 125 125 125 125 125 125 125 125 125	Analyzed  08/06/2024  08/06/2024  08/06/2024  08/06/2024  08/06/2024  08/06/2024  08/06/2024  08/06/2024  08/06/2024  08/06/2024  08/06/2024



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Batch 226569 Samp	Гуре: MSD		Units µg/L					RPD Lin	nit: <b>20</b>	
SamplD: 24071451-035CMS	SD									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Antimony		1.0		556	500.0	0	111.2	537.3	3.41	08/06/202
Arsenic		1.0		507	500.0	0	101.4	511.4	0.82	08/06/202
Barium		1.0		2110	2000	52.07	103.0	2055	2.75	08/06/202
Beryllium		1.0		52.0	50.00	0	104.1	52.38	0.65	08/06/202
Boron		25.0		531	500.0	0	106.3	540.5	1.71	08/06/202
Cadmium	*	1.0		52.0	50.00	0	104.0	51.01	1.93	08/06/202
Chromium		1.5		195	200.0	0	97.7	207.0	5.73	08/06/202
Cobalt		1.0		479	500.0	0	95.7	492.5	2.84	08/06/202
Lead		1.0		519	500.0	0	103.8	545.8	5.04	08/06/202
Lithium	*	3.0		535	500.0	1.655	106.6	541.4	1.26	08/06/202
Molybdenum		1.5		472	500.0	0	94.5	469.5	0.60	08/06/202
Selenium		1.0		529	500.0	0	105.7	527.7	0.16	08/06/202
Silver		1.0		51.3	50.00	0	102.6	48.08	6.45	08/06/202
Thallium		2.0		211	250.0	0	84.4	220.7	4.50	08/06/202
Batch 226925 Samp	Гуре: MBLK		Units µg/L							
SampID: MBLK-226925										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/12/202
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/12/202
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/12/202
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/12/202
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/12/202
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/12/202
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/12/202
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/12/202
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/12/202
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	08/12/202
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/12/202
Calaniana		1.0		< 1.0	0.6000	0	0	-100	100	08/12/202
Selenium		1.0		· 1.0	0.0000	J	U	100	100	00,,_0



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SW-846 3005A, 6020	A, METAL	S BY ICP	MS (TO	OTAL)							
<b>Batch 226925</b> S SampID: LCS-226925	ampType:	LCS		Units µg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
<b>Batch 226933 S</b> SampID: MBLK-22693	ampType:	MBLK		Units μ <b>g/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



Thallium

## **Quality Control Results**

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Client: Ramboll Work Order: 24061026
Client Project: NEW-24Q3 Report Date: 06-Sep-24

SW-846 3005A, 6020A, Batch 226933 Sam	pType:			Units µg/L							
SampID: LCS-226933	, p. 1, p. 2.			oo µ.g. =							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony			1.0		547	500.0	0	109.5	80	120	08/12/202
Arsenic			1.0		525	500.0	0	104.9	80	120	08/12/202
Barium			1.0		2160	2000	0	108.1	80	120	08/12/202
Beryllium			1.0		50.5	50.00	0	100.9	80	120	08/12/202
Boron			25.0		515	500.0	0	103.1	80	120	08/14/202
Cadmium		*	1.0		50.9	50.00	0	101.8	80	120	08/12/202
Chromium			1.5		209	200.0	0	104.3	80	120	08/12/202
Cobalt			1.0		530	500.0	0	106.0	80	120	08/12/202
Lead			1.0		506	500.0	0	101.2	80	120	08/12/202
Lithium		*	3.0		510	500.0	0	102.0	80	120	08/12/202
Molybdenum			1.5		480	500.0	0	96.0	80	120	08/12/202
Selenium			1.0		509	500.0	0	101.9	80	120	08/12/202
Thallium			2.0		246	250.0	0	98.4	80	120	08/12/202
	рТуре:	MBLK		Units µg/L							
SampID: MBLK-227698											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony			1.0		< 1.0	0.4500	0	0	-100	100	08/28/202
Arsenic			1.0		< 1.0	0.3750	0	0	-100	100	08/28/202
Barium			1.0		< 1.0	0.7000	0	0	-100	100	08/29/202
Cadmium		*	1.0		< 1.0	0.1340	0	0	-100	100	08/28/202
Chromium			1.5		< 1.5	0.7000	0	0	-100	100	08/28/202
Cobalt			1.0		< 1.0	0.1150	0	0	-100	100	08/28/202
Lead			1.0		< 1.0	0.6000	0	0	-100	100	08/28/202
Molybdenum			1.5		< 1.5	0.6000	0	0	-100	100	08/28/202

< 2.0

0.9500 0

2.0

100

08/29/2024

-100



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SW-846 3005A, 6020A, METAI		PMS (T								
Batch 227698 SampType:	LCS		Units µg/L							
SampID: LCS-227698	~				~	0DK D-( ) (-1	0/DE0	Laure Liberty	1.15.46 1.5.49	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Antimony		1.0		536	500.0	0	107.2	80	120	08/28/202
Arsenic		1.0		536	500.0	0	107.1	80	120	08/28/202
Barium		1.0		2110	2000	0	105.6	80	120	08/29/202
Cadmium	*	1.0		50.1	50.00	0	100.3	80	120	08/28/202
Chromium		1.5		196	200.0	0	97.9	80	120	08/28/202
Cobalt		1.0		502	500.0	0	100.3	80	120	08/28/202
Lead		1.0		493	500.0	0	98.5	80	120	08/28/202
Molybdenum		1.5		477	500.0	0	95.4	80	120	08/28/202
Selenium		1.0		488	500.0	0	97.7	80	120	08/28/202
SW-846 7470A (DISSOLVED)										
Batch 225289 SampType:	MS		Units µg/L							
SampID: 24061026-003CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20	-	5.25	5.000	0	105.0	75	125	07/08/202
Batch 225289 SampType:	MSD		Units µg/L					RPD Lir	nit: <b>15</b>	
SampID: 24061026-003CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.20		5.18	5.000	0	103.6	5.248	1.28	07/08/202
Batch 225289 SampType:	MS		Units µg/L							
SamplD: 24061026-053CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.09	5.000	0	101.7	75	125	07/08/202
Batch 225289 SampType:	MSD		Units µg/L					RPD Lir	mit: <b>15</b>	
SamplD: 24061026-053CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.20	•	4.87	5.000	0	97.4	5.085	4.28	07/08/202
Satch 225311 SampType:	MBLK		Units µg/L							
										Date
										Date
SampID: MBLK-225311 Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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SW-846 7470A (DISSOLVED)										
Batch 225311 SampType:	LCS		Units µg/L							
SampID: LCS-225311										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	J	-
Mercury		0.20		5.13	5.000	0	102.5	85	115	07/08/202
SW-846 7470A (TOTAL)										
Batch 225289 SampType: SampID: MBLK-225289	MBLK		Units µg/L							
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	CCIT	0.20	Quai	< 0.20	0.0550		0	-100	100	07/08/202
Wording		0.20		0.20	0.0000	Ü	Ü	100	100	01700/202
Batch 225289 SampType:	LCS		Units µg/L							
SampID: LCS-225289										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.14	5.000	0	102.7	85	115	07/08/202
Batch 225412 SampType:	MBLK		Units µg/L							
SampID: MBLK-225412										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	07/09/202
Batch 225412 SampType:	LCS		Units µg/L							
SampID: LCS-225412										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.08	5.000	0	101.7	85	115	07/09/202
Batch 225501 SampType:	MBLK		Units µg/L							
SampID: MBLK-225501										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	07/10/202
Batch 225501 SampType:	LCS		Units µg/L							
SampID: LCS-225501										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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Batch 225501 SampType:	MS		Units µg/L							
SamplD: 24061026-004CMS	IVIO		Offics pg/L							Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	CCIT	0.20	Çuui	5.64	5.000	0	112.8	75	125	07/10/202
Batch 225501 SampType:	MSD		Units µg/L					RPD Lir	nit: <b>15</b>	
SampID: 24061026-004CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.20		5.52	5.000	0	110.5	5.641	2.09	07/10/2024
<b>Batch 225501 SampType</b> : SampID: 24061026-021BMS	MS		Units µg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20	•	5.51	5.000	0	110.2	75	125	07/10/2024
Batch 225501 SampType:	MSD		Units µg/L					RPD Lir	nit: <b>15</b>	
SampID: 24061026-021BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	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						00//0 ///				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	J	<u> </u>
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	07/11/2024
Batch 225565 SampType: SampID: LCS-225565	LCS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.12	5.000	0	102.3	85	115	07/11/2024
Batch 225565 SampType: SampID: 24061026-020BMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.46	5.000	0	109.1	75	125	07/11/2024
Moreary								RPD Lir	nit: <b>15</b>	
Batch 225565 SampType:	MSD		Units µg/L						inc. 13	
	MSD Cert	RL	Units µg/L Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		Date Analyzed



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Batch 225717 Sa	ampType:	MBLK		Units µg/L							
SampID: MBLK-225717	,										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury			0.20		< 0.20	0.0550	0	0	-100	100	07/16/202
<b>Batch 225717 Sa</b> SampID: LCS-225717	атрТуре:	LCS		Units µg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury			0.20		4.60	5.000	0	92.0	85	115	07/16/202
<b>Batch 226926 Sa</b> SampID: MBLK-226926	ampType:	MBLK		Units µg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury			0.20		< 0.20	0.0550	0	0	-100	100	08/13/202
SampID: LCS-226926	ampType:		DI	Units µg/L	Danile	Carilla.	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses		Cert	RL 0.20	Qual	Result 5.34	Spike 5.000	0	106.7	85	115	08/13/202
Mercury			0.20		J.J4	3.000		100.7		113	00/13/202
<b>Batch 226926 Sa</b> SampID: 24061026-094	ampType: IBMS	MS		Units µg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury			0.20		5.58	5.000	0	111.7	75	125	08/13/202
<b>Batch 226926 Sa</b> SampID: 24061026-094	ampType:	MSD		Units µg/L					RPD Lir	mit: <b>15</b>	Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury			0.20	•	5.44	5.000	0	108.8	5.583	2.59	08/13/202
<b>Batch 226941 Sa</b> SampID: MBLK-226941	атрТуре:	MBLK		Units µg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury			0.20		< 0.20	0.0550	0	0	-100	100	08/13/202
<b>Batch 226941 Sa</b> SampID: LCS-226941	атрТуре:	LCS		Units µg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
,											



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Client: Ramboll Work Order: 24061026

Client Project: NEW-24Q3 Report Date: 06-Sep-24

SW-846 7470A (TOTAL)										
<b>Batch 226941 SampType</b> : SampID: 24061026-103CMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.60	5.000	0	111.9	75	125	08/13/2024
Batch 226941 SampType:	MSD		Units µg/L					RPD Lin	nit: <b>15</b>	
SampID: 24061026-103CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Mercury		0.20		5.75	5.000	0	115.0	5.596	2.68	08/13/2024
Batch         226941         SampType:           SampID:         24080002-002BMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		5.59	5.000	0	111.9	75	125	08/13/2024
Batch 226941 SampType:	MSD		Units µg/L					RPD Lin	nit: <b>15</b>	
SampID: 24080002-002BMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Amaryses	Cut	ΚL	Quai	Result	Spire	va	3	, <u>_</u> ,	, , , , , ,	



http://www.teklabinc.com/

Report Date: 06-Sep-24

Client: Ramboll Work Order: 24061026

Client Project: NEW-24Q3

Received By: NR Carrier: Tracy Carroll Completed by: Reviewed by: deluty On: On: 03-Jul-24 17-Jul-24 Paul Schultz Ellie Hopkins 29 0 Pages to follow: Chain of custody Extra pages included **V** No Not Present Shipping container/cooler in good condition? Yes Temp °C 22.9 Ice 🗹 Blue Ice Type of thermal preservation? None Dry Ice Chain of custody present? **~** No L Yes **~** Chain of custody signed when relinquished and received? Yes Nο **V** Chain of custody agrees with sample labels? Yes No **~** Samples in proper container/bottle? Yes No L **V** Sample containers intact? Yes No **V** No Sufficient sample volume for indicated test? Yes **~** All samples received within holding time? Yes No 🗀 NA 🗸 Field Lab Reported field parameters measured: No 🗹 Yes Container/Temp Blank temperature in compliance? 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 🗸 No 🗌 No TOX containers Water - TOX containers have zero headspace? Yes 📙 Yes No 🗸 Water - pH acceptable upon receipt? NA 🗹 NPDES/CWA TCN interferences checked/treated in the field? Yes No 🗀 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



APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

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

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24061026

Section A Section B Section C 2 Required Client Information: Required Project Information: Invoice Information: 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 REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A NPOES **GROUND WATER** DRINKING WATER Email To: Brian.Voelker@VistraCorp.com Purchase Order No.: Quote UST RCRA OTHER Reference Project Name: Project Phone: (217) 753-8911 Site Location IŁ. roffe #: roject Number: Requested Due Date/TAT: 10 day STATE Requested Analysis Filtered (Y/N) Resampling + new wells. Section D Valid Matrix Codes to left) C=COMP) COLLECTED Preservatives 3000 Required Client Information MATRIX ORINKING WATER DW sepoo WASTE WATER ww vašd (G=GRAB PRODUCT SOLUSOUD SL CL WP AR OT (386) CONTAINERS SAMPLE ID VEW-SUP-000 AIR VEW-257-501 **JEW-811-502** VEW-811-503 VEW-845-501 VEW-NPDES MATRIX CODE **VEW-NE-501** (A-Z, 0-9 / ,-) OTHER SAMPLE TYPE Sample IDs MUST BE UNIQUE IEW-257 Residual TEM # OF Project No./ Lab I.D. DATE TIME Х Х Х APW02 wr 24061026-090 1 Х 1009 Х Х Х APW05S wr 3 24061026-091 2 12.38 8-7 Х χ Х APW14 wr 2 3 24061026-092 3 G 2 Х Х Х 1155 APW15 WT G 3 4 24061026-093 APW19S Х 5 wt 3 24061026-094 APW20S Х 6 W٤ 3 2 24061026-095 G 2 Х 7 APW21S Wī G 3 24061026-096 Х APW22S W₹ 3 24061026-097 8 APW23S WT 3 2 Х 24061026-098 9 G 1055 Х APW23 2 24061026-099 WŦ 3 10 G 2 G222 1118 Х Wī 3 24061026-100 11 G Х G224 W۲ os 3 24061026-101 12 Х Field Blank 2 105 Х Х Х 24061026-102 Wī 13 G 77 Х Х Х Х APW02 Duplicate 14 Wī 24061026-103 Х APW19S Duplicate 24061026-104 15 WT Х Equipment Blank 2 WT Х Х Х 24061026-105 16 13 ADDITIONAL COMMENTS RELINQUISHED BY LAFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS **NEW-24Q3 Rev 2** SAMPLER NAME AND SIGNATURE Samples Intact (Y/N) Received or Ice (Y/N) Custody aled Cool (Y/N) Temp in PRINT Name of SAMPLER: **DATE Signed** (MM/DD/YY):

\*\* went dry during reads PRINT Name of SAMPLER: Justin Colp SIGNATURE of S

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

NEW-257-501 **2406 1026** 

Section A Section B Section C 2 Page: 2 Required Client Information: Required Project Information: invoice information: 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 REGULATORY AGENCY Newton, IL 62448 Address: Sam Davies - samantha.davies@vistracorp.com see Section A NPDES **GROUND WATER** DRINKING WATER Email To: Brian.Voelker@VistraCorp.com Purchase Order No.: Quote UST **RCRA** OTHER Reference Phone: (217) 753-8911 Project Name: Project Site Location Manager ΙŁ Project Number: Profile #: Requested Due Date/TAT: 10 day STATE: Requested Analysis Filtered (Y/N) Resampling + new wells. Section D Valid Matrix Codes NA codes to left) C=COMP) COLLECTED MATRIX lequired Client Information CODE Preservatives ORINKING WATER DW WATER WT WASTE WATER (see valid Residual Chlorine (Y/N) (G=GRAB PRODUCT SOLUSOLID OIL WIPE OL WP # OF CONTAINERS VEW-NPDES-501 Analysis Test **SAMPLE ID** VEW-SUP-000 AIR OTHER AR OT TS **VEW-257-502 JEW-811-502** VEW-811-503 NEW-845-501 MATRIX CODE (A-Z, 0-9 / ,-) SAMPLE TYPE Sample IDs MUST BE UNIQUE TEM DATE Project No./ Lab I.D. 1 Equipment Blank 3 G Х Х Х Х Х Χ 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** 1414 z SAMPLER NAME AND SIGNATURE Custody Sealed Cooler (Y/N) Received on Ice (Y/N) Samples Intact (Y/N) Temp in °C PRINT Name of SAMPLER: DATE Signed SIGNATURE of SAMPLER: (MM/DD/YY):

# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTIONAL REQUEST DOCUMENT NEWTON POWER PLANT

CHAIN-OF-CUSTODY / Analytical Request Document

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

NEW-257-501

Section C Section A Section B Page: 1 6 αf Required Client Information: Required Project Information: Invoice Information: Attention: Terry Hanratty Company: Report To: Brian Voelker Vistra Corp-Newton Company Name: Vistra Corp REGULATORY AGENCY Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com Address: 6725 N 500th St Address: see Section A DRINKING WATER Sam Davies - samantha.davies@vistracorp.com NPDES GROUND WATER Newton, IL 62448 OTHER Purchase Order No.: UST RCRA Email To: Brian.Voelker@VistraCorp.com Reference Project Project Name: Site Location Phone: (217) 753-8911 Manager IL Project Number: 2285 STATE 10 day Requested Due Date/TAT: Requested Analysis Filtered (Y/N) N Section D Valid Matrix Codes valid codes to left) C=COMP) COLLECTED Preservatives CODE Required Client Information MATRIX DONKING WATER DW WATER WT WW WASTE WATER (G≍GRAB PRODUCT SOLUSOLID SL OL WP AR OT TS **IEW-NPDES-501** ee (see Analysis Test # OF CONTAINERS CKL. SAMPLE ID WIPE ₩-SUP-000 **JEW-811-503** VEW-257-501 **JEW-257-502** NEW-811-502 **JEW-845-501** MATRIX CODE (A-Z, 0-9/,-) THE SAMPLE TYPE 5 Sample IDs MUST BE UNIQUE Residual Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> Vethano TEM Project No./ Lab I.D. DATE TIME 0943 Χ 24061026-001 7-7-24 A213 WΤ 5 G 1 Х 24061026-002 5 A214 WT 1029 2 X 24061026-003 5 A215 WI G 7/2/24 11 ( 3 Х  $x \mid x$ 24061026-004 4 APW02 wr G 4 Х Х Х 2 24061026-005 4 APW03 WT G 5 Х X 24061026-006 2 4 WT APW04 G 6 Х Х 1013 2 24061026-007 3 APW05 WT 2174 7 Х Х 24061026-008 2 APW05S WT 8 Χ 1226 24061026-009 2 APW06 Wī G 9 Х Х Х 24061026-010 1327 2 3 APW07 WT 10 24061026-011 Х Х Х 2 WT 3 APW08 11 Х Х Х 24061026-012 2 APW09 WT 2.24 PILII 3 12 Х Х 24061026-013 1304 2 APW10 WE 13 Х Х 24061026-014 WT 1103 2 APW11 14 G х 24061026-015 Х 2 APW12 WT 1157 15 G 24061026-016 APW13 WT 1411 16 SAMPLE CONDITIONS TIME ACCEPTED BY / AFFILIATION DATE ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE 1640 1640 ➂ 9 z **NEW-24Q3 Rev 1** Custody ealed Cooler (Y/N) SAMPLER NAME AND SIGNATURE Samples Intact (Y/N) ပ္ Received or Ice (Y/N) ph/ quies/89uleo Addd Nach(95443) to AH3, R2177, R213 dup Temp in " PRINT Name of SAMPLER. **DATE Signed** SIGNATURE of SAMPLER: (MM/DD/YY): OHOE(A213 dup) was mislateded as unp.

# ANNUAL GROUNDWATER MONITORING AND CORRECTLY ACTION REPORT A REQUEST DOCUMENT NEWTON POWER PLANT 405 150 26

#### **CHAIN-OF-CUSTODY / Analytical Request Document**

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

NEW-257-501

Section Requires	A d Client Information:	Section B Required Pro	ject Info			040,047,154,01207,12		Secti Invoice	on C e inform	nation:							,							P	age:	2	of	6
Company	Vistra Corp-Newton	Report To: B	rian V	oelker				Attenti	on:	Ter	y Har	ratty												s				
ddress:	6725 N 500th St	Сору То: Те	eny Ha	anratty - Terr	y.Hanratty(	@vistracorp.com		Comp	any Na	me:	Vistra	Cor	p								· · · · · ·	R	EGUL	ATOR	Y AG	ENCY		
	Newton, IL 62448	S	m Da	vies - samar	ntha.davies	@vistracorp.com		Addre	SS:	see	Secti	on A							NP	DES		GROL	JND W	ATER		DRINKI	NG WATER	₹
mail To:	Brian.Voelker@VistraCorp.com	Purchase Ord	er No.:					Quote Referei	nce:										US	т		RCRA	4		то	HER		
hone:	(217) 753-8911 Fax	Project Name:						Project Manage	er:									Т	Sit	e Loca	ation		IL					
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ITEM#	WATE WASTE WATER PRODUCT SOUSOUD OL CAMPIE ID WIPE	DW WT WWW P SL OL NEW P SL OL NEW P SL OT TS	(see vall		ΤĔ	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved H-SO,	HNO3	HCI NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Wetranol	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503 NEW-846-604	NEW-WHO ES-501	NEW-SUP-000		***************************************			Residual Chlorine (Y/N)	Proje	ct No./ La	ab I.D.
1	APW14	٧	VT G					2	1	1					Х	ŀ		×								24	1061026-0	17
2	APW15	٧	VT G	3				2	1	1					Х			X	(							24	1061026-0	18
3	APW16	٧	νт Θ	;				2	1	1	$\perp$		$\perp$		Х			X	(						Ш	24	1061026-0	19
4	APW17	٧	VT G					3	1	2					Х			>		X					Ш	24	1061026-0	20
5	APW18	٧	VT G					2	1	1					X			X		<u> </u>						24	1061026-0	21
6	G06D	٧	VT G	;				2	1	1		Ш				х										24	1061026-0	22
7	G104	v	VT G	;				5	2 1	1	1		I					X							Ш	24	1061026-0	23
8	G104D	٧	VT G	;				0		П								х								24	1061026-0	24
9	G104S	٧	VT G	;				0										х								24	1061026-0	25
10	G105	V	VT G	;				5	2 1	1	1	П		1				Х								24	4061026-0	26
11	G106	ν	VT G	3				5	2 1	1	1							х							$\prod$	24	4061026-0	27
12	G109	v	VT G	;				0										X							Ш	24	4061026-0	28
13	G111	V	VT G	;				0										X							Ш	2	4061026-0	29
14	G112	V	VT G	;				0										Х							Ш	24	4061026-0	30
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16	G114	V	VT G	<b>;</b>				0										X		丄					Ш	24	4061026-0	32
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						PRINT Name of SAM SIGNATURE of SAM											igned							_	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION RECEIVED ACTION RECEIVED AND CORRECTIVE ACTION RECEIVED ACT

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

Section Require	A I Client Information:	Section B Required Pr		Informa			o a econe		Secti		3		010311				J	Jarai	.,,.								Г	Page:	3	of	6
Company	Vistra Corp-Newton	Report To: {	Briar	Voell	ker				Atten	ion:	٦	Terry	Hanr	atty					<del></del>	•••••							-		************	<del></del>	-
Address:	6725 N 500th St	Copy To: 1	Тетгу	Hanrat	tty - Terry.Hanrat	ty@vistrac	orp.com	_	Comp	any N	vame	: V	istra	Corp							Н		.51		R	EGUL	IOTA.	RY A	GENCY		
	Newton, IL 62448		Sam	Davies	- samantha.davi	es@vistrac	corp.com		Addre	ess:	S	see S	ectio	n A								NPD	ES	*************	GRO	JND V	VATER	₹	DRINK	ING WATE	R
Email To:	Brian.Voelker@VistraCorp.com	Purchase Or	rder N	lo.:					Quote Refere													UST			RCR	A		0	THER		
Phone:	(217) 753-8911 Fax:	Project Nam	ie:						Project Manag	ŧ											_	Site	Loca	tion						m	**************************************
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	Required Client Information MATREX  DRINKING WATER	CODE DW	es to	C=COMP)	COLI	ECTED		2			P	rese	rvativ	es	-	츼									_			╄			
ITEM#	SAMPLE ID PRODUCT SOLISOLID OIL WIPE AR	WP	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=	DATE	7	1ME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HCI	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 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)	Proje	ect No./ La	ab I.D.
1	G115		WT	G					0						П					Х								П	2	4061026-0	)33
2	G116		wt	G					5	2	1	1	1							Х		Х							2	4061026-0	)34
3	G117		G					0						$\square$					Х									2	4061026-0	135	
4	G118		WT	G	·				0											Х									2	4061026-0	136
5	G119		wt	G		1			0											Х									2.	4061026-0	137
6	G120		WΤ	G					0	Ш					Ш	ı				Х									2	4061026-0	J38
7	G125		WΤ	G					5	2	1	1	1		Ш					Х							$oldsymbol{\perp}$		2	4061026-0	139
8	G128		wr	G					5	2	1	1	1		Ш					Х									2	4061026-0	140
9	G130		WΤ	G		<u> </u>			5	2	1	1	1	$\perp$	Ш					Х							$\bot$		2	4061026-0	141
10	G133		WT	G					5	2	1	1	11		Ш					X								Ш	2	4061026-0	142
11	G136		WΤ	G		<u> </u>			5	2	1	1	1		Ш					Х									2	4061026-0	143
12	G139		WΤ	G					5	2	1	1	1		Ш					Х								Ш	2	4061026-0	44
13	G141	G					5	2	1	1	11		Ш					Х					_			┷	2	4061026-0	145		
14	G201	G					2	1	丄	1	$\perp \perp$		Ш			Х										$oldsymbol{\perp}$	2	4061026-0	146		
15	G202	G					2	1		1	$\sqcup$		Ш			Х										$\perp \rfloor$	2.	4061026-0	147		
16	G203	G			<del></del>		2	1	_	1	$\sqcup \bot$		Ш			Х									$\bot$	╜		4061026-0			
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							ne of SAMP								••••••												7	င် င်	ved (	tody (N)	y N/Y)
			SIGNATUR	RE of SAMP	LER:											Signe D/YY)								1	Temp in	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.

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Section Require	d Client Information:	Section B Required Pro	oject Ir	formation:					Section Invoice		mation	r													I	Page	e: <b>4</b>	of	6
Compan	y: Vistra Corp-Newton	Report To: E	rian '	Voelker					Attentio	วก:	Te	rry H	anrat	ty											<b>!</b>			***************************************	- W
Address	6725 N 500th St	Cοργίτο: Τ	erry F	lanratty - Ter	ry.Hanratty	@vistraco	rp.com		Compa	iny Na	me:	Vis	ra Co	orp					十		••••••		R	EGL	JLATO	ORY /	AGENCY		
	Newton, IL 62448	8	am D	avies - sama	ntha.davies	@vistraca	xp.com		Addres	is:	se	e Se	tion.	A					一	NP	DES		GRO	UND	WATE	.R	DRIN	KING WATE	ER
Email To	Brian.Voelker@VistraCorp.com	Purchase Or	der No	:					Quote Referen										_	US	ıτ		RCR	'A			OTHER		
Phone:	(217) 753-8911 Fax:	Project Name	:						Project										一	Sit	e Loc	ation	·····	********		~~~	1		
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	WATER WASTE WATER	WT WW	g 00 g	5				SAMPLE TEMP AT COLLECTION																		5	,		;
		P SL	8   S	(G≅C)KAB				, LE												-						Residual Chlorine (Y/N)			
	SAMPLE ID WIPE	WP	(\$66	3				5	# OF CONTAINERS						Test	Ί_		_,		NEW-049-301	0					<u>.</u> 2			
	(A-Z, 0-9 /) AIR (A-Z, 0-9 /) OTHER Sample IDs MUST BE UNIQUE TISSUE	WP AR OT TS	<u></u>	1				AP A	N N	g					Ě	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	S   X	NEW-SUP-000				ł	호			
	Sample IDs MUST BE UNIQUE TISSUE	,5	ŏ	<u> </u>				ŢĒ	S	S S			ľ	ᅙ	ķ	2	22	Ξ	= 1		ļ				-	0 70	, <b>1</b>		:
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1	G208	,	WT	G						1	1	П		П			Х	Х										24061026-	-049
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3	G218		WΤ	G					0									Х										24061026-	-051
4	G220		WΤ	G					2	1	1						Х	Х										24061026-	052
5	G221		ντ	G 7-2-	24	1248	7		5	2 1	1 1		1					Х										24061026-	-053
6	G222	1	WT	G					2	1	1						Х	Х										24061026-	-054
7	G223		WT	G					2	1	1						Х	Х								$oldsymbol{\perp}$		24061026-	-055
8	G224	,	WT	G					2	1	1					L	Х	Х										24061026-	056
9	G225	,	WT	G				Ш	5	2 -	1	Ш	1					Х										24061026-	057
10	G230		WΤ	g 7-2	24	134	<u> 1                                   </u>		6	2 1	1 2	Ш	1	Ш		L	X	Х				<u> </u>						24061026-	058
11	G231		wT	G		• -		Ш	6	2 1	1 2	Ш	1	Ш		L	X	Х				<u> </u>				丄		24061026-	059
12	G232		WT	G				Ш	6	2 1	1 2	Ц	1	Ш	_		X	Х			<u> </u>	<u></u>				$\bot$		24061026-	-060
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14	G234	,	wT	G				Ш	5	2 '	1 1		1	Ш				Х								丄		24061026-	-062
15	G48MG	,	wt	G					2	1	1						Х											24061026-	-063
16	L1R	,	wt	G					2	1	1	Ш		Ш		L	<u>X</u>		X			L				丄		24061026-	-064
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The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be completed accurately.

Section Require	a A d Client Information:	Section B Required Pro	ect Info	rmation:					ion C	) ormatic	on:														huoannaan	Page	: 5	of	6
Compan	y: Vistra Corp-Newton	Report To: B	ian Vo	elker				Atten	ion:	T	еггу І	Hanra	atty						1										***************************************
Address	6725 N 500th St	Copy To: 🍞	rry Ha	ratty - Tem	/.Hanratty@vistra	acorp.com		Com	any N	lame:	Vi	stra C	Согр						T		*	******	F	REG	ULATO	RY A	GENCY		
	Newton, IL 62448	S	m Dav	ies - saman	tha.davies@vistr	acorp.com		Addre	ess:	Se	ee Se	ection	ìΑ						Г	NPD	E\$		GRO	UNI	) WATE	R	DRIN	ING WATER	₹
Email To	Brian.Voelker@VistraCorp.com	Purchase Ord	er No.:					Quote Refere											1	UST	Г		RCF	RA.		(	OTHER		
Phone:	(217) 753-8911 Fax:	Project Name:					************	Project Manag	t										Г	Site	Loca	ition					T	***************************************	
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ITEM#	PRODUCT SOL/SOLID OIL WIPE AIR (A-Z, 0-9 / ,-) OTHER	CODES CODES DW WIT WWW P SL OL WP AR AR TS COT TS	TYPE (G	DA		TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HCI	NaOH Na. S. O.	Methanol	Other Analysis Tose	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)	Proje	ect No./ La	ıb I.D.
1	L201	v	тG				Τ	0	П						T		Т	Х								T	2	4061026-0	65
2	L202	٧	π G					0										Х								$oldsymbol{\mathbb{L}}$	2	4061026-0	66
3	L203	٧	т с					0										Х								$oldsymbol{\mathbb{L}}$	2	4061026-0	67
4	L204	v	TG					0										Х								$\perp$	2	4061026-0	68
5	L205	٧	пG					0							L			Х								$\perp$	2	4061026-0	69
6	L301	v	п с				$\bot$	2	1	1				Ш	L	Х		L_								丄	2	4061026-0	70
7	R217D	٧	πБ	7-2-7	4 13	34		6	2	1 2	:	1				Х	Х										2	4061026-0	71
8	R219	٧	πG					5	2	1 1		1					Х									1	2	4061026-0	72
9	SG02	٧	πG					0							X				Х							丄	2	4061026-0	73
10	XPW01	ν	πG					2	1	1									Х								2	4061026-0	74,
11	XPW02	ν	πв					2	1	1					L				Х							$\perp$	2	4061026-0	75
12	XPW03	ν	πБ					2	1	1									Х	<u> </u>						丄	2	4061026-0	76
13	XPW04	٧	πG					2	1	1					L			<u> </u>	X								2	4061026-0	77
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			ame of SAM	-								<del></del>	DATE	Sico	ed								Temp In	ceive 30 (Y)	Susto led C (Y/N	Samples Intact (YIN)			
					SIGNAT	URE of SAM	PLER:										DD/YY									Ä	% ×	Sea	, V E

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

Section		Section B							Sec	tion	С																		Page:	6	of	6
	Scient Information:	Required P								ce inf																			age.			U
Company:		Report To:								tion:			Har	ratty																		
Address:	6725 N 500th St	Copy To:	Terry	Hanr	atty - Terry.Ha	nratty@	②vistracorp.com		Com	pany.	Name	3: V	istra	Corp	)											REC	<b>SUL</b> A	TOR	YA	GENCY		~~
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Z41 7 NEW-257-501

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Section C 6 Required Clent Information: 1 of Required Project Information: Invoice Information: Report To: Brian Voelker Vistra Corp-Newton Attention: Terry Hanratty Address: 6725 N 500th St Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com Vistra Corp REGULATORY AGENCY Newton, IL 62448 Address: Sam Davies - samantha.davies@vistracorp.com see Section A NPDES **GROUND WATER** DRINKING WATER Email To: Brian, Voelker@VistraCorp.com Purchase Order No.: O:nte UST **RCRA** OTHER Reference Phone: (217) 753-8911 Project Name: Project Site Location Manager 1L Project Number: 2285 Profile #: Requested Due Date/TAT: 10 day STATE: Requested Analysis Filtered (Y/N) Section D Valid Matrix Codes to left) C\*COMP) Required Client Information CODE COLLECTED Preservatives DRINKING WATER DW WT WATER WASTE WATER (G=GRAB DEPA Chlorine (Y/N) SOFTSOLD SL OL WP AR OT TS (See VEW-NPDES-50 # OF CONTAINERS Analysis Test SAMPLE ID VEW-SUP-000 MATRIX CODE VEW-257-502 VEW-811-502 VEW-811-503 **VEW-845-501** VEW-257-501 (A-Z, 0-9 / ,-) OTHER SAMPLE TYPE Sample IDs MUST BE UNIQUE Residual TEM DATE TIME Project No./ Lab I.D. A213 WŦ G 24061026-001 1 5 A214 Х WT G 2 24061026-002 Х A215 3 WT G 5 24061026-003 APW02 2 Χ Х WT G 2 Х 24061026-004 х APW03 wī G 7.8 12 11 2 2 Х 24061026-005 5 APW04 1125 2 2 Х Х WT 7.8 4 24061026-006 6 G APW05 Х 2 Χ 7 ₩T 3 24061026-007 APW05S х WΤ 2 24061026-008 8 G APW06 WT Х 9 G 2 24061026-009 APW07 3 Х Х 10 wτ G 24061026-010 х х х APW08 2 11 WT G 3 24061026-011 12 APW09 WT G 3 2 Х Х 24061026-012 APW10 WT 2 Х Х 13 G 24061026-013 APW11 Х х wt 2 24061026-014 14 G APW12 Х WT 2 24061026-015 15 G APW13 WT 16 24061026-016 ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION SAMPLE CONDITIONS ACCEPTED BY / AFFILIATION DATE TIME **NEW-24Q3 Rev 1** Teklab 78/24 1515 7.8 **/** >z 1515 2.72 UC-7 SAMPLER NAME AND SIGNATURE ph/94651/99460 Alded North (95493) to Gloy & Gloydup Samples Intact (Y/N) Received or Ice (Y/N) Custody saled Cool (Y/N) .≝ PRINT Name of SAMPLER: Frank Barthal DATE Signed SIGNATURE of SAMPLER: 7.8.24 (MM/DD/YY):

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Confidential

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Address	6725 N 500th St	Сору То: Те	rry Ha	ratty - Terry.Harrat	ty@vistracc	гр.сот		Comp	any Na	ame;	Vis	tra C	orp										REG	ULAT	(OR)	Y AG	ENCY		
	Newton, IL 62448	Sa	m Dav	ies - samantha.davi	es@vistrac	orp.com		Addre	ss;	sec	Sec	ction	A						1	NPDES	*********	GR	OUNE	AW C	ΓER		DRINK	ING WATE	R
Email To	Brian,Voeiker@VistraCorp.com	Purchase Orde	r No.:					Quote Refere	nce:											UST		RC	RA			07	THER		
Phone:	(217) 753-8911 Fax:	Project Name:						Project Manage												Site Lo	cation	n				Т	, , , , , , , , , , , , , , , , , , ,		
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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately, Section A Section B Section C 4 8 Page: of Required Client Information: Required Project Information: 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 REGULATORY AGENCY Newton, IL 62448 Sam Davies - samentha.davies@vistracorp.com Address: see Section A NPDES **GROUND WATER** DRINKING WATER Елизії То: Brian.Voelker@VistraCorp.com Purchase Order No.: Quote UST RCRA OTHER Reference: Phone: (217) 753-8911 Project Name: roject Site Location Manager. IL. Project Number: 2285 Tofile #: Requested Due Date/TAT: 10 day STATE: Requested Analysis Filtered (Y/N) Section D Valid Matrix Codes (see valid codes to left) (G=GRAB C=COMP) COLLECTED Required Client Information MATRIX CODE Preservatives DRINKING WATER DW WATER WASTE WATER ww Residual Chlorine (Y/N) PRODUCT SL OL WP AR 50H/SOUD VEW-NPDES-501 OL WIPE # OF CONTAINERS Analysis Test SAMPLE ID VEW-SUP-000 NEW-257-502 **VEW-811-502** VEW-811-503 VEW-845-501 4EW-257-501 MATRIX CODE (A-Z, 0-9 / -) OTHER TISSUE SAMPLE TYPE Sample IDs MUST BE UNIQUE TES Project No./ Lab I.D. DATE TIME 1 G208 WT G 2 Х 24061026-049 G217S wr G 5 24061026-050 2 G218 Х 3 WT G 0 24061026-051 G220 2 Х Х WT 24061026-052 G G221 WΤ 5 Х 24061026-053 5 G G222 WT 2 χ Χ G 24061026-054 х Х G223 2 7 WT G 24061026-055 Х G224 2 Х WT G 24061026-056 G225 Х WT G 5 24061026-057 Х 10 G230 W۳ G 24061026-058 Х G231 WT G Х 24061026-059 11 G232 Х Х W. G 24061026-060 12 G233 WT G 6 Х Х 24061026-061 13 7.8 1201 G234 5 Х WT 24061026-062 14 G Х G48MG 2 15 WT G 24061026-063 LIR WT. G 2 24061026-064 16 SAMPLE CONDITIONS ACCEPTED BY / AFFILIATION ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME NEW-24Q3 Rev 1 7/8/14 1515 eklan 7.8 z 1515 SAMPLER NAME AND SIGNATURE Samples Intact (Y/N) Received or tce (Y/N) Custody Sealed Cool (Y/N) Temp in PRINT Name of SAMPLER: Frank Barthol

SIGNATURE of SAMPLER:

DATE Signed

(MM/DD/YY):

78.24

Frank Barthal

(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 Section B Section C 6 ٥ŧ 6 Page: Required Client Information: Required Project Information: invoice information: Vistra Corp-Newton Report To: Brian Voelker Attention: Terry Hanratty REGULATORY AGENCY Company Name: Vistra Corp Address: 6725 N 500th St Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A NPDES GROUND WATER DRINKING WATER Quote Email To: Brian.Voelker@VistraCorp.com Purchase Order No.: UST **RCRA** OTHER roject Project Name: Phone: (217) 753-8911 Site Location IL Project Number: 2285 Profile #: Requested Due Date/TAT: STATE: 10 day Requested Analysis Filtered (Y/N) Section D Valid Matrix Codes SAMPLE TEMP AT COLLECTION COLLECTED Preservatives Required Client Information DRINKING WATER Residual Chlorine (Y/N WATER WT WASTE WATER 996 VEW-NPDES-501 # OF CONTAINERS PRODUCT IEW-SUP-000 SOLUSOUD VEW-811-502 VEW-811-503 SAMPLE ID VEW-257-502 NEW-845-501 MATRIX CODE αL WIPE (A-Z, 0-9 / ,-) NEW-257-AIR OTHER Sample IDs MUST BE UNIQUE Project No./ Lab I.D. DATE TIME APW02 Duplicate WŦ 24061026-081 2 1 G 24061026-082 WT 1140 5 2 2 G104 Duplicate G 7.8 XXXXXXX 24061026-083 4 3 Equipment Blank 1 WT G XXXXXXX 24061026-084 4 Equipment Blank 2 WT G 6 XXXXXX Equipment Blank 3 1 24061026-085 WT 6 5 G X 24061026-086 LREP WT 8 4 6 G 7 8 9 10 11 12 13 14 15 16 ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME 7/8/24 1515 **NEW-24Q3 Rev 1** Teklab 7.8 1515 SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANTAPEORY OND

#### CHAIN-OF-CUSTODY / Analytical Request Document

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

Section Requires	A # Client information:	Section E Required		l Inform	nation:	•				ion C te Info		on:															MANOCEANAN	Page:	1	of	6
Company	: Vistra Corp-Newton	Report To:	Bria	n Voe	iker				Atten	tion:	7	erry	Han	ratty	'						1						Opening 1				
Address:	6725 N 500th St	Сору То:	Terry	Hanr	atty - Terry.Hanra	atty@vistracor	p.com		Comp	oany N	lame:	Vi	stra	Cor	p										R	GUL	ATOF	RY AC	SENCY	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	Newton, IL 62448		Sam	Davie	es - samantha.dav	vies@vistraco	rp.com		Addre	ess:	s	ee S	ectic	on A								NPD	ES		GROU	ND W	ATER	{	DRIN	KING WAT	ER
Email To:	Brian.Voelkër@VictaCom.com	Purchase (	Order N	vo.:					Quote Refere												1	บรา			RCRA	١.		0	THER		
Phone:	(217) 753-8911 Fax:	Project Na	me:		***				Projec Manag	Ħ												Site	Loca	tion			**********				
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ITEM#	WATER WATER WASTE WATER PRODUCT SOILSOILD OIL WIFE (A-Z, 0-9/,-) OTHER SAMPLE ID SAMPLE UNIQUE TISSUE	WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=	DATE	TIN	AE.	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HCI	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	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)	Pro	ject No./ l	⊥ab I.D.
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	Newton, IL 62448				es - samantha.davi	es@vistraco	isp.com		Quote		see	Seci	ion A								PDES			UND W	ATER			NG WATER	R
Email To:	Brian Voelker@VistraCorp.com	Purchase (							Refere											U	ST		RCR	Α		ОТ	HER		
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ITEM #	WATER WASTE WATER PRODUCT SOULD OIL WIPE (A-Z, 0-9 /,-) Sample IDs MUST BE UNIQUE  WASTE WATER PRODUCT AIR OIL TISSUE	WT WWW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=	DATE	זוד	ME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	HNO3	HCI NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	other	【Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEVV-040-501	NEW-SUP-000					Residual Chlorine (Y/N)	Proje	ct No./ La	ab I.D.
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3	APW16		WI	G					2	1	1	$\perp$				Х			;	<u> </u>							24	061026-0	19
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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 C Section A Section B 3 6 of Page: Required Project Information: Required Client Information: Invoice Information: Report To: Brian Voelker Attention Company: Terry Hanratty Vistra Corp-Newton Address: 6725 N 500th St Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Address: Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com see Section A **NPDES GROUND WATER** DRINKING WATER Quote Email To: Brian Voelker@VistraCorp.com Purchase Order No.: UST **RCRA** OTHER Reference: Project Name: roject Phone: (217) 753-8911 Site Location Manager IL rofile #: roject Number: 2285 STATE: Requested Due Date/TAT: 10 day Requested Analysis Filtered (Y/N) Valid Matrix Codes Section D valid codes to left) C=COMP) COLLECTED Preservatives Required Client Information MATRIX CODE DRINKING WATER OW WATER WASTE WATER WW (G=GRAB Residual Chlorine (Y/N) PRODUCT SL OL WP SOUSOID see) VEW-NPDES-501 # OF CONTAINERS OIL SAMPLE ID VEW-SUP-000 NEW-811-503 AR OT TS NEW-811-502 NEW-845-501 AIR OTHER VEW-257-501 VEW-257-502 MATRIX CODE (A-Z, 0-9/ -) SAMPLE TYPE Analysis Sample IDs MUST BE UNIQUE Project No./ Lab I.D. DATE Х 24061026-033 G115 WT G 0 Х WT 5 1 1 Х 24061026-034 G116 G 2 2 24061026-035 G117 WT 0 G 3 Х 24061026-036 G118 WT G 0 4 Х 24061026-037 n G119 WT G 5 24061026-038 G120 wT G 6 Х 24061026-039 G125 WT G 7 24061026-040 2 G128 wr G 8 Х 24061026-041 G130 WT G 9 24061026-042 G133 WT G 10 Х 24061026-043 G136 WT. G 11 Х 24061026-044 wr G139 G 12 1/1/ Х 24061026-045 G141 WT 13 G х 24061026-046 G201 WT | G 14 Х 24061026-047 2 G202 wr l Ģ 15 Х 24061026-048 2 G203 wrl G 16 RELINQUISHED BY / AFFILIATION SAMPLE CONDITIONS DATE TIME ACCEPTED BY / AFFILIATION DATE ADDITIONAL COMMENTS 1405 1415 z **NEW-24Q3 Rev 1** SAMPLER NAME AND SIGNATURE Samples Intact (Y/N) Received or Ice (Y/N) Custody Sealed Cool (Y/N) Temp in ° PRINT Name of SAMPLER:  $M_{\odot}$ DATE Signed SIGNATURE of SAMPLER: (MM/DD/YY):

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	Newton, IL 62448	Sam	Davi	es - samantha.davies	@vistracor	p.com	Ad	ldress:	see	Sec	tion A	<del></del>					-	NP	DES		GRO	UNDV	WATE	R	DRINK	ING WATER	?
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#### CHAIN-OF-CUSTODY / Analytical Request Document

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13	APW10		wr	G					2	1	1	Ш				X		$\perp$	X					$\dashv$		1		24061026-	
14	APW11		WT	G					2	1	1	$\perp \mid$			3	Х	_	$\perp$	<u> </u>					_		4		24061026-	
15	APW12		WT	G				_	2	1	1	$\perp \downarrow$		Ц	1-	Х		$\bot$	X								-	24061026-	
16	APW13		wr	G				_ļ	2	1	1	Ш	į			х			<u> </u>			_						24061026-	
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NEW-257-501

# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANTAR OF THE PROPERTY OF THE PROPER

(MM/DD/YY):

#### CHAIN-OF-CUSTODY / Analytical Request Document

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

Section B Section C Section A 6 2 of Page: Required Project Information: Required Client Information: Invoice Information: Attention Report To: Brian Voelker Terry Hanratty Company: Vistra Corp-Newton Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Address: 6725 N 500th St Address: see Section A Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com **GROUND WATER** DRINKING WATER **NPDES** Purchase Order No.: Ounte Email To: Brian.Voelker@VistraCorp.com UST RCRA OTHER Reference Project Name: roject (217) 753-8911 Fax Site Location Manager 11 Project Number: 2285 Tofile #: STATE: Requested Due Date/TAT: 10 day Requested Analysis Filtered (Y/N) **1** 8 1. Valid Matrix Codes Section D codes to left) C=COMP) COLLECTED Preservatives MATRIX CODE Required Client Information DRINKING WATER OW WATER WY WASTE WATER Residual Chiorine (Y/N) (G=GRAB PRODUCT SOLUSOLID SL OL WP AR OT TS NEW-NPDES-501 386 OIL WIPE # OF CONTAINERS SAMPLE ID VEW-SUP-000 **VEW-811-502** NEW-811-503 VEW-257-501 NEW-257-502 NEW-845-501 AIR MATRIX CODE (A-Z, 0-91,-) OTHER SAMPLETYPE Analysis Sample IDs MUST BE UNIQUE TISSUE Project No./ Lab I.D. DATE TIME 24061026-017 APW14 WT G 2 24061026-018 2 APW15 WT G 2 0903 Х 24061026-019 2 APW16 wrl G 3 Х 24061026-020 7-9-74 Х APW17 WT G 3 4 24061026-021 APW18 wr G 2 Б 24061026-022 2 Х G06D wr G 7.10.24 1004 6 24061026-023 Х 5 G104 WT G 7 Х 24061026-024 wt G104D n 8 G Х 24061026-025 ۵ G104S WΤ G 9 Х 24061026-026 WT 2 G105 G 10 Х 24061026-027 5 G106 wr G 11 Х 24061026-028 n G109 wr l 12 G Х 24061026-029 0 G111 WΤ G 13 Х 24061026-030 0 G112 WT] 14 G Х 24061026-031 0 G113 WT G 15 Х 24061026-032 0 G114 WT G 16 SAMPLE CONDITIONS TIME ACCEPTED BY / AFFILIATION RELINQUISHED BY / AFFILIATION DATE ADDITIONAL COMMENTS 15 22 1525 7/10/24 z **NEW-24Q3 Rev 1** SAMPLER NAME AND SIGNATURE Samples Intact (Y/N) Custody Sealed Coole (Y/N) Received on Ice (Y/N) Temp in ° PRINT Name of SAMPLER: DATE Signed 7/ SIGNATURE of SAMPLER

	£ Client Information:	Section B Required Proje		nation:	Custody is a LEG	JAL DOC	Secti Invoic	on C e Inform	ation:			тріет	eo ac	curate									Page;	3	of	6
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Phone:	(217) 753-8911 Fax:	Project Name:					Project Manag										Sit	e Loc	ation							
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2	G116	w	-				5	2 1	11	1		1				х	x		1		$\neg$		T	24	061026-0	34
3	G117	w	1				0		11			1	Г			х	1	1					T	24	061026-0	35
4	G118	w					0					1				х							T	24	1061026-0	36
6	G119	w					0		11	11		7	Г	$\Box$	_	x			<b>†</b>			$\top$	1	24	1061026-0	37
6	G120	- lw	+				0					7				x							$\top$	24	1061026-0	38
7.	G125	- lw		7/10/24	0940	)	5	2 1	1	11		1				x			<del> </del>				1	24	1061026-0	39
8	G128	w		7-10-24	1236		5	1 1	11	11		1			$\rightarrow$	х	$\top$	1	1		$\top$		1	24	1061026-0	40
9	G130	- w	+	7/10/24	1126		5	2 1	<del>   </del>	11	11	1	Г			x							$\top$	24	1061026-0	41
10	G133	- l	-	7/10/24	1052	~~~~	5	2 1	+	1,1		1	H			х			<u> </u>		T		1	24	1061026-0	42
11	G136	- w		7/10/24	1206		5	1	11	11		1	Г	$\Box$		$\mathbf{x}^{\top}$			<u> </u>		T	$\neg$	T	24	1061026-0	43
12	G139	w		7/10/24	1237	<u> </u>	5	<del>                                     </del>	1	1		1	Г		$\Box$	x		1					T	24	1061026-0	44
13	G141	w					5	2 1	1	1,1		1	厂			x			T				T	24	1061026-0	45
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14	G201		-	1.9.24	1254		2	1	11	11	11	1	Г	х		1		$\top$	<del> </del>		$\dashv$	$\top$		24	1061026-0	47
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10	ADDITIONAL COMMENTS			ISHED BY / AFFILIATI		DATE	<del></del>	TIME	<del>  '</del>	<u> </u>	ACCEF	TED	BY/A	FFILIA	TION			DAT	E	-	TIME			SAMPLE	CONDITIONS	}
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ITEM #	WASTE WATER WA PRODUCT P SOUSOUID SI OIL O	VT VW SL SL VP	19		ATE	Type	1	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved H <sub>2</sub> SO₄	HNO3	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Weularto	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-045-501	NEW-SUP-000					Residual Chlorine (Y/N)	Proje	ct No./ La	ıb I.D.
1	G208		ντ G	<del></del>			-	十	2	1	11	十	Ħ	1			x	X								П	24	061026-0	49
2	G217S		VT G					十	5	2 1	11	1		1				Х							$\top$		24	061026-0	50
3.	G218		VT G	<del></del>				T	0		TT	1			1			Χ							1		24	061026-0	51
4.	G220		VT G	1	, 24	105	9	$\top$	2	1	11		П	T	1		Х	Х									24	061026-0	52
5	G221		VT G		<del></del> /			T	5	2 1	1	1			]			Х									24	061026-0	53
6	G222	V	VT G					T	2	1	1						Х	Χ									24	061026-0	54
7	G223		VT G	7.10	5, 24	115	र	T	2	1	1	Т	П				Х	Х								L	24	061026-0	55
8	G224		VT C	1	1				2	1	1	Т					Х	Х								Ш	24	061026-0	56
9	G225	V	VT G						5	2 1	1	1						Χ								Ш	24	061026-0	57
10	G230		VT G			1119	1		6	2 1	2	1					Х	Χ								Ш	24	061026-0	58
11.	G231	1	vr d	7-10	-24	1025	)( p		6	2 1	2	1				L	Х	Х			<u> </u>					Ш	24	1061026-0	59
12	G232	,	VT G						6	2 1	2	1				L	Х	Х									24	1061026-0	60
13	G233		VT C	;					6	2 1	2	1			]	<u> </u>	Х	Х		╽.	<u> </u>				$\bot$			1061026-0	
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16	L1R	,	VT C	;				Ц	2	1	1				1	<u> </u>	Х		<u> X                                   </u>			<u> </u>			—	Ш		1061026-0	
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	Required Client Information MATRIX	CODE 2	MP	COLLECTED			L		Prese	rvati	ves		Z >	_									$\sqcup \downarrow$		·····		
ITEM#	WATER WASTE WATER PRODUCT SOLUSOUD OIL  SAMPLE ID WIPE AIR (A-Z, 0.9/-) OTHER	MATRIX CODE (\$600 vetic coddes	SAMPLE TYPE (G=GRAB C=COMP)	DATE 7:	ME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved H,SO,	HNO <sub>3</sub>	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Methanol	Other	# Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-SUP-000					Residual Chlorine (Y/N)	Pro):	ect No./ La	ıb I.D.
1	L201	wi	G				0	$\bot$		Ш		Ш	L				X			<u> </u>			$\sqcup \downarrow$		2	4061026-0	65
2	L202	w	G			$\bot$	0					Ш	L				Х								2	4061026-0	66
3	L203	w	G				0					Ш	L		$\perp$		Х						$\sqcup \bot$		2	4061026-0	67
4	L204	w	G				0			Ш	$\bot$	Ц	L		$\bot$	$\perp$	<u>x</u>			<u> </u>		Ш			2	4061026-0	890
5	L205	w	G				0	$\perp$				Ш	L				Х			<u> </u>					2	4061026-0	69
6	L301	w	G			$oldsymbol{\perp}$	2	1	1				L		ХŢ					<u> </u>					2	4061026-0	70
7	R217D	w	G				6	2 1	2	1			L		хl	x									2	4061026-0	171
8	R219	w	G				5	2 1	1	1						x									2	4061026-0	72
9	SG02	w	G				0							Х				x L							2	4061026-0	73
10	XPW01	w	G				2	1	1								] ;	x [				Ш			2	<b>40</b> 61026-0	74
11	XPW02	w	G			$\Box$	2	1	1									<u>x ]</u>		<u> </u>					2	4061026-0	75
12	XPW03	w	G				2	1	1				L					X					$oldsymbol{ol}}}}}}}}}}}}}}}}}$		2	4061028-0	76
13	XPW04	w	G				2	1	1						$oxed{oxed}$			X							2	4061026-0	77
14	XSG01	w	G				0	T	$\prod$	1				Х				x 📗		<u> </u>					2	4061026-0	78
15	Field Blank	w	G			T	6	4	1	1		П	ſ	X	х	х	<b>X</b> :	x >	X						2	4061026-0	79
16	A213 Duplicate	w	G				5	2 1	1 1	1						X							$\Box$		2	4061026-0	80
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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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1 1	SAMPLE ID SCIUSOLID OL	SL OL						7	ĸ						Test	5	8	8	8	5 3	غ ارز	[ ]	}			Š	ź			
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### **CHAIN-OF-CUSTODY / Analytical Request Document**

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Section		Section B							Secti																ſ	Pag	e: 3	of	6
Company	Client Information:	Required F Report To:						_	Attent		rmatio		lanrat	i i											i.				
											ame:																		
Address:	6725 N 500th St				atty - Terry.Hanratty								tra Co														AGENCY		
	Newton, IL 62448	<u> </u>			es - samantha.davies	@vistrac	orp.com		Addre	\$\$:	se	e Se	ction.	Α							NPDES	3	GR	OUNE	D WAT	ER	DRIN	KING WATE	₹
Email To:	Brian Voelker@VistraCorp.com	Purchase C	order N	o.;					Quote Refere	nce:			·								UST		RC	RA			OTHER		
Phone:	(217) 753-8911 Fax:	Project Nan	ne;						Project Manag										l		Site Lo	catio	n		IL		1		
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		A													$\mathbf{I}$		F	equ	ested	Ana	lysis	Filter	ed (Y	/N)		$\Box$			
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	Required Client Information MATRIX DRINKING WATER	<u>CODE</u> DW	(see valid codes to left)	C=COMP)	COLLE	CTED		z		<b>-</b>	Pre	es <i>er</i> v	atives	5 1 T	12	╀		-	-	-+		_	+-	+	┿	├-	<del></del>	<del></del>	
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4	G118		wr	G					0	$\Box$		$\Box$	$\top$		1		T	Т	X			1	1	T		$\neg$		24061026-0	36
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7	G125		w	G					5	2	1 1	$\Box$	1		1		1	_	х			1	$\top$	1		一	1 :	24061026-0	39
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9	G130		WT	G					5	2	1 1		1		1				Х				1			$\neg$		24061026-0	41
10	G133		wr	G				П	5	2	1 1		1		1		Τ_		Х			$\top$	1			$\neg$		24061026-0	42
11	G136		WT	G					5	2	1 1	T	1	TT	1		T-	$T^-$	Х			$\top$		T	П	丁		24061026-0	43
12	G139		WT	G					5	2	1 1		1	П	1			Γ	Х				1	T				24061026-0	44
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14	G201		WT	G					2	1	1		$\top$		1		Х							T	$\prod$			24061026-0	46
15	G202		wr	G					2	1	1	П			1	Г	Х	Π						T				24061026-0	47
16	G203		WT						2	1	1				1	Г	X							$\prod$				24061026-0	48
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	. 100 dos / 1800 do	<b>^</b>			SAMI L	DDINT No	me of SAMP	1 FR		,	udļ.	~	1110	ho-	_											'n.	(N)	g S g	Seld:
6	M1 -1000211 2 100				<u> </u>	010011	-40410			)[~	<u>- (1</u>		<u>i I 16</u>	1110-	0	1	DATE	Sign	ed -	<del></del>	11.3	······			-	Temp in °C	Received on Ice (Y/N)	Custody Sealed Coole (Y/N)	Samples intact (Y/N)
	11 / 11 / 12		, ¬		L	SIGNA I'U	RE of SAMP	EEK:		1	Z,		<u> </u>				(ММл		<u>}:</u>	1-	11.3	<u></u>				<u> </u>		<u></u> 8	لـــــــــــــــــــــــــــــــــــــ
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Section Required		Section B Required Pr	roject	Inforr		Custody is a LEGA	AL 000	Sect	i, All re ion C e inform		eras n	iust pe	comp	netec		rately		_					The second second	Pag	ge:	4	of	6
Company	: Vistra Corp-Newton	Report To: [	Brian	Voe	elker			Atten	ion:	Теггу	Hanr	atty						7					-					
Address:	6725 N 500th St	Copy To:	Геггу	Hanı	ratty - Terry.Hanratty	@vistracorp.com		Comp	any Na	me: V	fistra	Corp					•					REGI	ULAT	ORY	AGE	ENCY		
	Newton, IL 62448		Sam	Davie	es - samantha.davies	@vistracorp.com		Addre	iss:	see S	Sectio	nΑ						十	NPDE	3	GR	OUND	TAW C	rER		DRINKIN	G WATER	·
Email To:	Brian Voelker@VistraCorp.com	Purchase Or	rder N	0.:				Quote	nce:									1	UST		RC	RA			OTH	HER		
Phone:	(217) 753-8911 Fax:	Project Nam	e:				***************************************	Projec Manag	t	···								1	Site L	ocatio	n				T			
Reque	sted Due Date/TAT: 10 day	Project Num	ber;	2285	5	······		Profile										1		STATE	:		IL					
<u> </u>													Π.			Rec	quest	ed An	alysis	Filter	ed (Y	/N)						
	Section D Valid Matrix Conception D Valid Matrix Conception MATRIX	odes CODE	(Jan.)	Ę	COLLE	ECTED				Prese	rvativ	res	T	Z X	T	T					T	T		$\Box$				
1TEM #	DRINKNO WATER WATER WATER WATER WASTE WATER PRODUCT SOLUSOLID OIL WIPE AR AR	DW WT WW P SL OL WP	MATRIX CODE (see vaild codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved		***************************************	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Methanol		ışı	NEW-257-501	NEW-257-502	NEW-811-502 NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000		and the second desired the second second second second second second second second second second second second			Residual Chlorine (Y/N)	Projec	t No./ La	ib I.D.
_1	G208		wr	G				2	1	1			Ш		$\bot$	x l	x						igspace		_	240	61026-0	49
2	G217S		WT	G	7/10/24	13:40		5	2 1	11	1		╝	Ļ			X L		$\sqcup$		_		$\perp \downarrow$		_	249	61026-0	50
3	G218		WT	G				0	$\sqcup$		14			L	4		X .	4_	1		4	$\perp$	<b>↓</b>	<b>⊢</b> ↓	4		61026-0	
4	G220		WΤ	G			$\bot$	2	11	11	$\perp \downarrow$		Ш	L		<del></del>	<u>×</u>  _	<u> </u>	$\sqcup$	_		ـــــ	<del>                                     </del>		_		061026-0	
5	G221		WΤ	G				5	2 1	44	1	_	Ц	L			X L	<del> </del>			4		<del> </del>	igwdap	+		061026-0	
6	G222		WT	G				2	1	11	$\perp \perp$		Ц	L		<del></del>	<u> </u>	<u> </u>			丄	┷	$\downarrow \downarrow \downarrow$	<u> </u>	_	24	061026-0	54
7	G223		wr	G				2	11	11	$\perp$		Ц	L			X	_				ــــــــــــــــــــــــــــــــــــــ	$\perp$	_	4	24	061026-0	55
8	G224		WT	G				2	1	1			Ш	L		X .	x					<u> </u>	$oldsymbol{oldsymbol{oldsymbol{eta}}}$		_	24	061026-0	56
9	G225		wr	G				5	2 1	1 1	1		Ш	L			X L		$\sqcup$				$\bot$	<b></b>		24	61026-0	57
10	G230		WT	G			$\bot$	6	2 1	2	1		Ц		$\bot$	X L	x			<u> </u>			$\bot$	<b>⊢</b>	4	24	061026-0	58
11	G231		wr	G				6	2 1	2	1		Ш	L		X L	X L	1_							4	24	061026-0	59
12	G232		WT	G				6	2 1	1 2	1		Ш		$\bot$		<u> </u>	$\bot$					┯		$\bot$	24	061026-0	60
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								<u> </u>				-												$\lambda_{i}$	3/	لعب		
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						PRINT Name of SA SIGNATURE of SA			10 7		∃ <u>∐</u>	مانا	<u>~~</u>	T	DA	TE SI	gned .		16 -	21				Temp in		Recaived or Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
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## CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section Required	A I Client Information:	Section B Required Pro	oject Inf		-os-custody is a LEGAL	.000	Sect	ion C		Heids	must D	e con	ispiere	50 a(C)	urate:	y.						lagalwanesses	Page	: 5	of	6
Company	: Vistra Corp-Newton	Report To: B	rian V	oelker			Atten	tion:	Ten	y Ha	nratty														·	
Address:	6725 N 500th St	Сору То: Т	еггу На	nratty - Terry. Hanra	atty@vistracorp.com	_	Com	any Na	me:	Vistra	a Corp						$\top$				REGI	JLATO	DRY /	GENCY		
	Newton, IL 62448	s	am Da	vies - samantha,da	ries@vistracorp.com		Addre	ess:	see	Sect	ion A						_	NPD	ES .	GR	OUND	WATE	₽	DRIN	KING WATE	:R
Email To:	Brian Voelker@VistraCorp.com	Purchase Ord	ler No.:				Quote Refer						_	••				UST		RÇ	RA			OTHER		
Phone:	(217) 753-8911 Fax:	Project Name	:				Projec Manag	ŧ			_				•••••	******		Site	Locatio	n				T	,	
Reque	ested Due Date/TAT: 10 day	Project Numb	er: 22	85			Profile				_								STATE	:		IL.				
															Re	ques	ted A	nalysi	s Filter	ed (Y	/N)		J			
	Section D Valid Matrix C Required Client Information MATRIX	odes CODE	to left)	COI	LECTED				Pres	ervat	ives		1 NIA		٦	Ī							7			
ITEM#	DRINKING WATER WATER WATER WASTE WATER PRODUCT SOLUZOUD OIL WIPE AIR (A-Z, 0-9 /-) Sample IDs MUST BE UNIQUE TISSUE	WP	MATRIX COUDE (see vaid codes to left)		TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	HNO3	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 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)	Pro	ject No./ L	ab I.D.
1	L201	\	WT G				0					Ш					x _			<u> </u>					24061026-	065
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3	L203	\	MT C	3		1_	0	11	44		$\bot$	$\perp$					X					<b>├</b> ─┼	4	<del></del>	24061026-	
4	L204		WT C	;		1	0				$\coprod$	$\perp$					<u> </u>				$\perp \perp$			<del></del> -	24061026-	
5	L205		NT C			┸	0	$\bot \bot$	14	$\perp$		$\bot$					<u> </u>	<u> </u>				$\vdash$		- <del></del>	24061026-	
6	L301	\	NT C		1002	_	2	11	11		$\bot \bot$	$\perp$		$\Box$	X			1				<b></b> -∔		<del></del>	24061026-	
7	R217D S		WT C	3-10-24			6	2	1 2	1	$\bot \bot$	$\bot$			X	X	$\perp$	ــــــ		┿	<u></u>	┷	—		24061026-	
8	R219	\	WT C	7-10-29	1341 30	14	5	2	1 1	1	11	Ш			_	X					4	$\vdash \downarrow$		<del></del>	24061026-	
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#### **CHAIN-OF-CUSTODY / Analytical Request Document**

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NEWTON POWER PLANT, PRIMARY ASH POND

#### CHAIN-OF-CUSTODY / Analytical Request Document

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

Section Require	A d Clent Information:	Section B Required Proj	ct Infor	mation:				Secti Invoic		mation:															Par	ge:	1	of	2
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Address:	6725 N 500th St	Сору То: Те	ry Har	ratty - Terry Hanratty@	vistraco	rp.com		Comp	any Na	ame:	Vistra	a Co	rp					寸					REG	ULAT	rory	AGE	NCY	<del></del>	
	Newton, IL 62448	Sa	n Davi	es - samantha.davies@	@vistrac	orp.com		Addre	SS:	see	Secti	on A	4					T	1	IPDES		GR	OUNE	) WA	TER	ı	DRINKI	NG WATER	₹
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Phone:	(217) 753-8911 Fax:	Projact Name:						Project Manag										寸	- ;	Site Lo	cation	ī				Т			
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Added HU03 (99172) to APW15, APW221 & G222. DHV 910651 am 8/8/14

NEWTON POWER PLANT, PRIMARY ASH POND

24061026-501

#### CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Cient Information:  Company: Vistra Corp-Newton  Report To: Brian Voelker				mation:				Section C Invoice information:																	Γ	Pag	e: 2		of	2		
Compar	v: Vistra Corp-Newton	Report To:	Bria	n Vo	elker					Atten			erry	lanra	itty												_					
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	Newton, IL 62448	1	Sam	Davie	es - samar	tha.davie	s@vistra	corp.com		Addr	ess:	s	ee Se	ection	Α							NPDE	s		GRO	UND	WATE	≣R	DR	INKIN	G WATER	:
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http://www.teklabinc.com/

September 11, 2024

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

TEL: (414) 837-3607 FAX: (414) 837-3608

TNI FBORATORY

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:

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#### **Definitions**

http://www.teklabinc.com/

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**

http://www.teklabinc.com/

Work Order: 24061027 Client: Ramboll Client Project: NEW-24Q3 Report Date: 11-Sep-24

#### Qualifiers

- # Unknown hydrocarbon
- RL shown is a Client Requested Quantitation Limit
- Holding times exceeded H -
- Analyte detected below quantitation limits
- Not Detected at the Reporting Limit
- Spike Recovery outside recovery limits
- X Value exceeds Maximum Contaminant Level

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)



#### **Case Narrative**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24061027
Client Project: NEW-24Q3 Report Date: 11-Sep-24

Cooler Receipt Temp: 22.9 °C

Fax

Email

(618) 344-1005

EHurley@teklabinc.com

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 **Springfield Kansas City** 3920 Pintail Dr Address 5445 Horseshoe Lake Road Address Address 8421 Nieman Road Collinsville, IL 62234-7425 Springfield, IL 62711-9415 Lenexa, KS 66214 (618) 344-1004 (217) 698-1004 (913) 541-1998 Phone Phone Phone Fax (618) 344-1005 Fax (217) 698-1005 Fax (913) 541-1998 jhriley@teklabinc.com KKlostermann@teklabinc.com Email jhriley@teklabinc.com **Email Email** Collinsville Air Chicago Address 5445 Horseshoe Lake Road Address 1319 Butterfield Rd. Collinsville, IL 62234-7425 Downers Grove, IL 60515 (630) 324-6855 Phone (618) 344-1004 Phone

arenner@teklabinc.com

Fax

Email

### **Accreditations**

http://www.teklabinc.com/

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



NEW-257-501 http://www.teklabinc.com/

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 M	1DL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	08/01/2024 12:13 R351923



NEW-257-501 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 M	1DL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	08/01/2024 12:13 R351923



NEW-257-501 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 M	1DL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	08/01/2024 12:13 R351923



NEW-257-501 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 I	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	08/01/2024 12:13 R351923



NEW-257-501 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 SUBC	CONTRACTING AN	IALYSIS						
Subcontracted Analysis	*	0	0	S	ee Attached		1	08/01/2024 12:13 R351923



NEW-257-501 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 M	1DL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	08/01/2024 12:13 R351923



NEW-257-501 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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	08/01/2024 12:08 R351923



NEW-257-501 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 SUBC	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Sec	e Attached		1	08/01/2024 12:08 R351923



NEW-257-501 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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	08/01/2024 12:08 R351923



NEW-257-501 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 I	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	Sec	e Attached		1	08/01/2024 12:09 R351923



NEW-257-501 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 SUBC	CONTRACTING AN	IALYSIS						
Subcontracted Analysis	*	0	0	Se	ee Attached		1	08/01/2024 12:09 R351923



NEW-257-501 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 I	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	Sec	e Attached		1	08/01/2024 12:09 R351923



NEW-257-501 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 1	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	08/01/2024 12:10 R351923



NEW-257-501 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 SUBC	ONTRACTING A	NALYSIS						
Subcontracted Analysis	*	0	0	S	ee Attached		1	08/01/2024 12:10 R351923



NEW-257-501 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 I	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0	0	Sec	e Attached		1	08/01/2024 12:10 R351923



NEW-257-501 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 SUBC	CONTRACTING AN	IALYSIS						
Subcontracted Analysis	*	0	0	Se	ee Attached		1	08/01/2024 12:10 R351923



NEW-257-501 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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	08/22/2024 12:01 R352827



NEW-257-501 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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	08/22/2024 12:01 R352827



NEW-257-501 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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	08/22/2024 12:01 R352827



NEW-257-501 http://www.teklabinc.com/

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 Ba	atch
SEE ATTACHED FOR SUBC	ONTRACTING AN	NALYSIS							
Subcontracted Analysis	*	0	0	S	ee Attached		1	08/22/2024 12:01 R3	352827



NEW-257-501 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 I	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	See	<b>Attached</b>		1	08/22/2024 12:02 R352827



NEW-257-501 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 I	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	See	<b>Attached</b>		1	08/22/2024 12:02 R352827



NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24061027

Client Project: NEW-24Q3 Report Date: 11-Sep-24

Matrix: GROUNDWATER Collection Date: 08/08/2024 9:20

Analyses	Certification N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	08/22/2024 12:03 R352827



NEW-257-501 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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	08/22/2024 12:03 R352827



NEW-257-501 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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	08/22/2024 12:03 R352827



NEW-257-501 http://www.teklabinc.com/

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 SUBC	ONTRACTING AN	IALYSIS							
Subcontracted Analysis	*	0	0	S	ee Attached		1	08/22/2024 12:03 R352827	7

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24061027

Client Project: NEW-24Q3 Report Date: 11-Sep-24

Lab ID: 24061027-033Client Sample ID: APW02 DuplicateMatrix: GROUNDWATERCollection 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

NEW-257-501 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 SUBC	CONTRACTING A	NALYSIS						
Subcontracted Analysis	*	0	0	S	ee Attached		1	08/22/2024 12:04 R352827



NEW-257-501 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



NEW-257-501 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 SUBO	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	08/22/2024 12:04 R352827



# **Sample Summary**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24061027 Client Project: NEW-24Q3 Report Date: 11-Sep-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	<b>Collection Date</b>
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



# **Receiving Check List**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24061027 Client Project: NEW-24Q3 Report Date: 11-Sep-24

Carrier: Tracy Carroll	Receive	d By: NR			
Completed by: On: 03-Jul-24 Paul Schultz	Reviev On: 15-Jul		Elle Hopkins	uns	
Pages to follow: Chain of custody 26	Extra pages included	51			
Shipping container/cooler in good condition?  Type of thermal preservation? Chain of custody present? Chain of custody signed when relinquished and received? Chain of custody agrees with sample labels? Samples in proper container/bottle?	Yes  None  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye	No	Not Present Blue Ice	Temp °C Dry Ice	22.9
Sample containers intact?  Sufficient sample volume for indicated test?  All samples received within holding time?  Reported field parameters measured:	Yes ♥ Yes ♥ Yes ▼ Field □ Yes ▼	No	NA 🗹		
Container/Temp Blank temperature in compliance?  When thermal preservation is required, samples are complia 0.1°C - 6.0°C, or when samples are received on ice the sam	nt with a temperature b				
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 $\square$	NA 🗸		
Any No responses r	must be detailed belov	v or on th	e COC.		
pH strip #96651 pschultz - 7/3/2024 8:22:10 AM					
Additional Nitric Acid (98584) was needed in APW05, APW06, AF laboratory pschultz - 7/3/2024 8:22:20 AM	PW07, APW09, APW10	), APW11	, APW12, and APW13 upor	arrival at the	
Samples were received on 7/8/2024 at 1515 on ice [7.3C - LTG#7	7] pschultz - 7/8/2024	4:04:40 F	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] APW15, and APW02 DUP upon arrival at the laboratory. Sample not received). pH strip 96651 LH/nickreed - 7/10/2024 6:26:18 F	collection date for sam				c was
Samples were received on 7/10/24 at 1525 on ice [3.5C - LTG#5] the laboratory. pH strip #96651 nickreed - 7/10/2024 6:32:43 PM		(98584) wa	as needed for APW17 and A	APW18 upon arr	ival at
Samples were received on 7/11/2024 at 1400 on ice [2.9C - LTG#	#7] pschultz - 7/11/20	24 3:43:56	6 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

NEWTON POWER PLANT, PRIMARY ASH POND

#### CHAIN-OF-CUSTODY / Analytical Request Document

2406 10 27 - 501

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

	Regult	ed Chent Information.	Required	a Projec	a infor	mation:			Sect		nformati	ion:													Control	Pag	ge:	1	of	6
1	Compan	y: Vistra Corp-Newton	Report To:	Bria	n Vo	elker	•		Atlen	ition:	: 7	erry	/Han	ratty											-		**********			
	Address	6725 N 500th St	Сору То:	Terr	/ Han	ratty - Terry.Hanratt	y@vistracorp.com		Com	pany	y Name	: \	/istra	Corp	***									REC	GULAT	TORY	AGE	NCY		<del></del>
		Newton, IL 62448	<b>T</b>	Sam	Davi	es - samantha.davie	s@vistracorp.com		Addr	ess:	9	see S	Section	n A							NPDI	SS.	G	ROUN	D WAT	TER		DRINKI	NG WATE	R
	Email To	: Brign Voelker@VistreCorp.com	Purchase (	Order	No.				Quote Refer									-			UST		F	RCRA			отн	IER		
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Address	6725 N 500th St	Сору То:	Terry	Hanr	atty - Terry.	Hanratty	@vistracor	р.сот	С	ompan	y Nam	e: V	stra	Corp						Г			~	R	GULA	TORY	AGENCY		
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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section C Section B Section A ક 3 Required Project Information: Required Client information: Invoice Information: Report To: Brian Voelker Attention: Terry Hanratty Company: Vistra Corp-Newton Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Address: 6725 N 500th St Address: Sam Davies - samantha.davies@vistracorp.com see Section A NPDES **GROUND WATER** DRINKING WATER Newton, IL 62448 Quale Purchase Order No.: RCRA OTHER UST Email To: Brian Voelker@VistraCorp.com Reference roject Project Name: Site Location Phone: (217) 753-8911 Manager: IL. rofile #. STATE roject Number: 2285 10 day Requested Due Date/TAT: Requested Analysis Filtered (Y/N) Radium 226/228, only valid codes to left) Valid Matrix Codes Section D C=COMP) Preservatives COLLECTED Required Client Information MATRIX DONKING WATER Residual Chlorine (Y/N) WASTE WATER (G=GRAB PRODUCT SOLUSOUD VEW-NPDES-501 995) # OF CONTAINERS OIL WIPE SAMPLE ID NEW-SUP-000 JEW-257-502 VEW-811-503 **√EW-811-502** VEW-845-501 AIR OTHER VEW-257-501 MATRIX CODE (A-Z, 0-9 / ,-) SAMPLE TYPE Sample IDs MUST BE UNIQUE TEM Project No./ Lab I.D. DATE TIME N/A G115 wr G Х Х N/A wr G G116 2 Х N/Α G117 WT G 3 Х N/A G118 WT G N/A G119 WΤ G 5 Х G N/A G120 WT 6 Х N/A G125 WT G 7 Х N/A G128 WT G Х N/A G G130 WT 9 Х N/A WΤ G G133 10 Χ N/A G136 WF G 11 N/A WT G 12 G139 7.9.14 1113 Х N/A WT G141 G 13 Х N/A G201 wr G 14 Х N/A G202 WΤ G 15 Χ N/A Wī G G203 16 SAMPLE CONDITIONS RELINQUISHED BY / AFFILIATION TIME ACCEPTED BY / AFFEIATION DATE TIME ADDITIONAL COMMENTS z NEW-24Q3 Rev 0 Received on Ice (Y/N) SAMPLER NAME AND SIGNATURE Custody Sealed Cool (Y/N) PRINT Name of SAMPLER: andle Mac. DATE Signed 9124 SIGNATURE of SAMPLER: (MM/DD/YY):

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# CHAIN-OF-CUSTODY / Analytical Request Document

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Address:	6725 N 500th St	Copy To: 7	Terry	Han	ralty - Terry.Hanratt	y@vistracor	p.com		Сотър	any N	ame:	Vi	stra (	Согр	)					┪				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	RE	GUL	TOR	Y AC	SENCY		
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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Page: 6 Required Client Information: Required Project Information: Invoice information: Report To: Brian Voelker Attention: Vistra Corp-Newton Terry Hanratty Company Name: Vistra Corp Address: 6725 N 500th St Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com REGULATORY AGENCY Address: see Section A Sam Davies - samantha.davies@vistracorp.com Newton, IL 62448 **NPDES GROUND WATER** DRINKING WATER Onto Purchase Order No.: UST RCRA OTHER Email To: Brian.Voelker@VistraCorp.com Reference Project Project Name: Site Location (217) 753-8911 Manager IL Project Number: 2285 rofile #: STATE 10 day Requested Due Date/TAT: Requested Analysis Filtered (Y/N) Radium 226/228, only Valid Matrix Codes (see vaid codes to left) Section D (G=GRAB C=COMP) COLLECTED Preservatives Required Client Information MATRIX DRINKING WATER WASTE WATER ww Residual Chlorine (Y/N) PRODUCT SL OL WP SOLUSOUD VEW-NPDES-501 CIL WIPE # OF CONTAINERS SAMPLE ID VEW-257-502 4EW-811-502 VEW-811-503 AIR OTHER √EW-257-501 VEW-845-501 MATRIX CODE (A-Z, 0-9/,-) SAMPLE TYPE Analysis Sample IDs MUST BE UNIQUE Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> Project No./ Lab I.D. DATE TIME N/A Х A213 WT G N/A A214 WT G 2 N/A A215 wt G 3 Х Х 24061027-001 APW02 WE G 4 Х Х 2 Х 24061027-002 2 APW03 WT G 5 Х 2 Х Х 24061027-003 APW04 WΤ G 6 Х х 24061027-004 Х 2 WT 2 APW05 G 7 24061027-005 2 Х 2 APW05S WT G 8 24061027-006 2 Х 2 WT G APW06 9 Х 24061027-007 2 WT 2 APW07 10 X Х Х 24061027-008 7-9-24 WT 2 APW08 11 24061027-009 2 Х Х Х WT 2 APW09 12 24061027-010 Х Х 2 2 wr APW10 G 13 Х 24061027-011 2 Х 2 WT G APW11 14 24061027-012 Х Х 2 WT 2 APW12 G 15 24061027-013 Х 2 Wī APW13 16 SAMPLE CONDITIONS ACCEPTED BY / AFFILIATION DATE TIME RELINQUISHED BY / AFFILIATION DATE ADDITIONAL COMMENTS 1575 1525 7/10/14 **NEW-24Q3 Rev 0** 100 Custody Sealed Coolor (Y/N) SAMPLER NAME AND SIGNATURE PHJ 96651 M 7/10 PRINT Name of SAMPLER! DATE Signed SIGNATURE of SAMPLER: (MM/DD/YY): onice

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mail To:	Brian.Voelker@VistraCorρ.com	Purchase Ord	ier No			•			luote leferenc	 ce:								************		U	ST		RC	RA			ОТ	THER		
hone;	(217) 753-8911 Fax:	Project Name	:					Р	roject lanage:										T	S	lte Lo	catio	ก				Т			
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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Section C Required Client Information: 6 Required Project Information: Page: 3 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 REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com see Section A NPDES **GROUND WATER** DRINKING WATER Email To: Bnan. Voelker@VistraCorp.com Purchase Order No.: UST RCRA OTHER Reference Phone: (217) 753-8911 Project Name: Project Site Location Manager: IL. Project Number: 2285 Profile # Requested Due Date/TAT: 10 day STATE: Requested Analysis Filtered (Y/N) Radium 226/228, only Section D Valid Matrix Codes codes to left) C=COMP) Z MATRIX COLLECTED equired Client Information Preservatives DRINKING WATER WY WASTE WATER valid (G=GRAB SOLUSOUD SL OL WP AR OT (259) NEW-NPDES-501 # OF CONTAINERS SAMPLE ID WIPE AIR OTHER EW-SUP-000 **JEW-257-502** NEW-811-503 MATRIX CODE EW-811-502 (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE EW-845-501 SAMPLE TYPE Analysis TEM DATE Project No.J Lab I.D. G115 WT G Х N/A G116 WT Χ 2 G Х N/A G117 3 WT G Х N/A 4 G118 WT х N/A 5 G119 WΤ Х Ν/A G120 Х WT N/A G125 wr х 7 N/A G128 WT Х 8 N/Α G130 WT Χ 9 N/A G133 10 WΤ Х N/A 1206 WΤ Χ G136 11 N/A х G139 WT 12 N/A wr 13 G141 Χ N/A 14 G201 WT Х N/A 15 G202 Х WT N/Α G203 16 N/A ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION SAMPLE CONDITIONS DATE TIME 1525 **NEW-24Q3 Rev 0** 7/10/24 1525 z SAMPLER NAME AND SIGNATURE Samples Intact (Y/N) Received or tce (Y/N) Custody alad Cool (Y/N) Temp in 1 PRINT Name of SAMPLERS Tacul and DATE Signed 7 (0) 24 SIGNATURE of SAMPLER!

# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be completed accurately

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#### **CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Section C Required Client Information: 5 6 Required Project Information: Page: 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 REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A NPDES GROUND WATER DRINKING WATER Email To: Brian Voetker@VistraCorp.com Purchase Order No.: Quote UST RCRA OTHER Reference: Phone: (217) 753-8911 Project Name: Project Site Location Manager Radium 226/228, only IL. Project Number: 2285 Requested Due Date/TAT: 10 day Profile # STATE: Requested Analysis Filtered (Y/N) Section D Valid Matrix Codes COLLECTED Required Client Information MATRIX Preservatives DRINKING WATER WY WW P WASTE WATER SL OL WP AR OT SOLUSOUD (see) OIL WIPE NEW-NPDES-501 # OF CONTAINERS SAMPLE ID JEW-SUP-000 AIR NEW-811-503 VEW-257-502 VEW-811-502 VEW-845-501 MATRIX CODE VEW-257-501 (A-Z, 0-9 / ,-) SAMPLE TYPE Sample IDs MUST BE UNIQUE Analysis Residual TIME Project No./ Lab I.D. L201 WT Х N/A 2 L202 WΥ Х G N/A L203 WŦ Χ 3 N/A G L204 Х 4 WT N/A X L205 WT 5 N/A L301 WT Χ N/A 6 Х R217D WT. X 7 N/A R219 WT/ Х N/A wr 9 SG02 N/A XPW01 WŦ 10 N/A XPW02 wr 11 N/A 12 XPW03 wr Х G N/A 13 XPW04 W! Х N/A XSG01 Х WT G 14 N/Α Field Blank WT Х Х Х Х Х 15 Х 24061027-019 G A213 Duplicate 16 Wī ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION ACCEPTED BY / AFFILIATION SAMPLE CONDITIONS DATE TIME **NEW-24Q3 Rev 0** 7/10/24 > 7 SAMPLER NAME AND SIGNATURE Received or Ice (Y/N) Custody saled Cool (Y/N) Temp in PRINT Name of SAMPLER: DATE Signed SIGNATURE of SAMPLER! (MM/DD/YY):

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The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be completed accurately Section A Section B Section C 6 Required Clent Information: 3 Required Project Information: 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 REGULATORY AGENCY Newton, IL 62448 Address: Sam Davies - samantha.davies@vistracorp.com see Section A NPDES **GROUND WATER** DRINKING WATER Brian Voelker@VistraCorp.com Purchase Order No.: Quote UST RCRA OTHER Reference Phone: (217) 753-8911 Project Name: Project Site Location Manager. IL Project Number: 2285 Profile # Requested Due Date/TAT: 10 day STATE Requested Analysis Filtered (Y/N) Radium 226/228, only Section D Valid Matrix Codes ratid codes to left) C=COMP) z COLLECTED MATRIX Preservatives upired Client Information DRINKING WATER DW WT WASTE WATER (G=GRAB ( PRODUCT SOLUSOUD (see VEW-NPDES-501 # OF CONTAINERS Analysis Test Residual Chlorine SAMPLE ID 4EW-SUP-000 AIR OTHER MATR!X CODE NEW-257-502 NEW-811-502 NEW-811-503 VEW-845-501 (A-Z, 0-9 / .-) Unpreserved
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Methanol SAMPLE TYPE Sample IDs MUST BE UNIQUE IEW-257 TEM DATE TIME Project No./ Lab I.D. G115 WT Х N/A 924 7-1124 G116 2 WT Х х N/A 3 G117 WT G Х N/A G118 WT Х 4 N/A 5 G119 WT х G N/A G120 WΤ Х 6 G N/A G125 wr Х 7 G N/A G128 WT. Х Ģ N/A G130 χ 9 WT G N/A 10 G133 WŦ Х G N/A G136 WŦ х 11 N/A G139 wī Х 12 Ģ N/A Х 13 G141 wτ G N/A G201 WT Х 14 G N/A G202 Х 15 WΤ N/A G G203 16 WΤ N/Α ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION SAMPLE CONDITIONS DATE TIME ACCEPTED BY / AFFILIATION DATE TIME H GI Inca **NEW-24Q3 Rev 0** 7/6/24 1430 z SAMPLER NAME AND SIGNATURE Received or Ice (Y/N) Custady Sealed Cool (Y/N) PRINT Name of SAMPLER: DATE Slaned SIGNATURE of SAMPLER! (MM/DD/YY):

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# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be completed accurately

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Email To	Brian Voelker@VistraCorp.com	Quote Refere						•			1	US			RCRA			OTHER									
Phone:	(217) 753-8911 Fax:	Fax; Project Name:														十		e Loca					$\top$				
<b>├</b> ──		Manage Profile									$\dashv$		STA	i		IL					A Comment						
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	Section D Valid Matrix C Required Client Information MATRIX	odes CODE	to left)	COLL	ECTED			F	reser	vativ	es	-	<b>→</b>										Ra	Radium 226		only	
ITEM#	SAMPLE ID  (A-Z, 0-9 /-)  Sample IDs MUST BE UNIQUE  Sample IDs MUST BE UNIQUE  Ones The Sample IDs Sample IDs MUST BE UNIQUE  Ones The Sa	DW WT YWW P SL CL WP AR AR TS	MATRIX CODE (see valid codes to left)		TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub> HCI	NaOH	พล <sub>ร</sub> ื่อ <sub>ร</sub> ∪ <sub>ร</sub> Methanol	Other	LAnalysis lest	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-SUP-000					Residual Chlorine (Y/N)	Proje	ct No./ La	b I.D.	
1	A213	i	wr c	7-7-24	0943	丁				TT		T	$\top$		Х										N/A		
2	A214		WT C	7,2.24	1029										Х										N/A		
3	A215		WT C	7.2.24	IIII								L		Х										N/A		
4	APW02		WT C	ì			2		2	Ш		Ш	X	ļ			<u> </u>	-				1		24	061027-0	01	
5	APW03		WT C	<b>S</b>			2		2	$\bot \bot$		Ш	X	_			<u> </u>			$\perp$		╙	Ш	24	061027-0	02	
6	APW04		WT C	<b>;</b>			2		2			Ц	Х			_	X /						Ш	24	061027-0	03	
7	APW05		WT C	7.2.24	1013		2		2	$\bot \bot$	$\perp$	Ц	Х				X L	X				$oxed{oxed}$	lacksquare	24	061027-0	04	
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9	APW06		WT C		1226		2		2	$\bot \bot$		Ш	X	<u> </u>			X L						oxdot	24	1061027-0	06	
10	APW07		WT 0	7.2.24	1327		2		2	$\sqcup$		Ш	Х				X L	Х	Щ				$oldsymbol{\perp}$	24	1061027-0	07	
11	APW08		WT 0	3			2		2			Ш	Х	<u> </u>			X L	X					Ш	24	1061027-0	08	
12	APW09		WT 0	7.2.24	1419		2		2			Ц	X				X L	X				lacksquare	Ц	24	1061027-0	09	
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	NEW-24Q3 Rev 0	12	Pan i	Pl Carri	) 1/	Z	16	40			21/	w	21	72	20	7		1/2/	24	16	40	2	5	<b>②</b>	z		
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	MPLER	DATE Signed										7 7	100	/			Temo in °C.	5	Received on Ice (Y/N)	Custody Seafed Cooler (Y/N)	Samples Intact (Y/N)						
A H	Joz (18584) to APWOS, API APWIO, APW	AG AG	Wo	7, ARWO9			<u></u>	\\\\\		<u>.</u>	<u> </u>	ΣŶ	<u> </u>	(MM/L	ין דייטכ	<u> </u>	1):	1/	<del>[</del>						<u>σ</u>	<u> </u>	
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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Section C 2 οť 6 Page: Required Client Information: Required Project Information: Invoice Information: Report To: Brian Voelker Attention: Company: Vistra Corp-Newton Terry Hanratty Address: 6725 N 500th St Copy To: Terry Hanratty - Terry, Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com see Section A NPDES **GROUND WATER** DRINKING WATER Email To: Purchase Order No.: Brian.Voelker@VistraCorp.com UST RCRA OTHER Reference Project Name: Phone: (217) 753-8911 Site Location Manager IL Project Number: 2285 roffe #: STATE: Requested Due Date/TAT: 10 day Requested Analysis Filtered (Y/N) Radium 226/228, only Valid Matrix Codes Z Section D C=COMP) COLLECTED Preservatives equired Client Information CODE DRINKING WATER DW SAMPLE TEMP AT COLLECTION WATED WASTE WATER ww Residual Chlorine (Y/N) (G=GRAB PRODUCT SOR (SOLID (see VEW-NPDES-501 CONTAINERS SAMPLE ID WIPE NEW-SUP-000 -502 **VEW-811-502** JEW-811-503 NEW-845-501 NEW-257-501 MATRIX CODE (A-Z, 0-9 / ,-) Unpreserved H<sub>2</sub>SO<sub>4</sub> SAMPLE TYPE Analysis Sample IDs MUST BE UNIQUE TISSUE **NEW-257** ITEM# ¥ OF Project No./ Lab I.D. DATE TIME APW14 WT G 2 2 Х Х 24061027-014 1 2 2 Х Х 24061027-015 APW15 WT G 2 2 Х Х 24061027-016 APW16 G 2 3 WT Х APW17 G 2 Х 24061027-017 2 WT Х 2 24061027-018 2 APW18 WT G 5 G N/A G06D WΤ 6 Х G N/A 7 G104 WT Х G N/A G104D WT 8 Х N/A G104S WT G 9 Х WT G N/A G105 10 G N/A G106 WT 11 Х N/A wr G G109 12 Х N/A G111 wr G 13 Х N/A G112 WT G 14 Х N/A G113 WT G 15 Х N/A 16 G114 WT SAMPLE CONDITIONS ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE DenielCour z **NEW-24Q3 Rev 0** SAMPLER NAME AND SIGNATURE Samples Intact (Y/N) Received or Ice (Y/N) Custody Sealed Cool (Y/N) Temp in \* PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

**DATE Signed** 

(MM/DD/YY):

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Section Require	a A d Client Information:	ion B S										Section C Invoice Information:														P	age:	3	of	6		
Соптрап	Vistra Corp-Newton	Report To:	Bria	n Vo	elker					Attent	tion;	Te	erry F	anra	ty		********	***************************************		٦										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Address:	6725 N 500th St	Сору То:	Terr	y Han	ratty - Terry	.Hanratty:	nratty@vistracorp.com Company Name: Vistra Corp											REGULATORY AGENCY														
	Newton, IL 62448	es - samant	ha.davies	@vistrac	orp.com		Addre	SS:	se	e Se	ction	Α						N	PDES	i	Gi	ROUN	ID WA	TER		۲ ا						
Email To		·					Quote Refere	nce:										UST RCRA							0							
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	Section D Valid Matrix Coo Required Client Information MATRIX			OMP)		COLLE	COLLECTED			P			Preservatives			ΝÀ													Radium	226/228,	, only	
ITEM #	CRAWHO WATER WATER WATER PRODUCT SOUSSOLID CIL WIPE (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE TISSUE	DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see vated codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DAT		Ť	IME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO.	HCI	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanot	Other Analysis Test	္ကြင္က	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000					Residual Chlorine (Y/N)	Proje	ct No./ La	b I.D.	
1	G115		WT	G							П	$\top$	$\sqcap$	Τ	П		T	T	П	Х	$\neg$		7	T	1		Π	П		N/A		
2	G116			G									$\Box$	$\top$	П	7				х	1	х	T	1			T	П		N/A		
3	G117			G					П				$\Box$	$\top$		1				Х						1				N/A		
4	G118		WT	G								$\top$	$\Box$		П	7				Х	1	$\top$		Τ		T	Τ	П		N/A		
5	G119		wr	G									П	┪	П	7		T		Х	T			T		1		П		N/A		
6	G120		wt	G					П					1	П	1		1		Х						1	Т	П		N/A		
7	G125		wī	G										T	П		Г			Х			7	$\top$				П		N/A		
8	G128		wī	-					T		П		$\Box$	$\top$	П	7				х		İ	1	$\neg$	T		1	П		N/A		
9	G130		WT	1					1		$\Box$	+	1-1	_	$\Box$	7	Г	$\top$		Х	_			$\top$			T	П		N/A		
10	G133		WT	<del> </del>					Г	Г		$\top$	$\Box$	1	$\Box$	1				Х	$\neg$		T	$\top$	Ť		1	$\Box$		N/A		
11	G136		WT	+							$\dagger \dagger$	$\top$		十	Н	1	-			Х	$\neg$	$\top$		1	┪		╁			N/A		
12	G139		WI	G							$\sqcap$	1	$\Box$	_	П	┫.				Х	十			1	_		T	П		N/A		
13	G141		wr	_							${\dagger \dagger}$		$\top$	$\top$	П	_		$\top$		Х	1	$\dashv$	$\top$			1	<b>-</b>	П		N/A		
14	G201		WT	1				****			11		$\sqcap$	1	П	7		X					$\top$		1			П		N/A		
15	G202		wr	<del>                                     </del>							11	┪	$\top$	十	T	1	Г	X			7		$\top$		十	1	1	П		N/A		
16	G203		WT	+					1		$\Box$	十	$\Box$	┪	П	7		X	Г		7		十			1	T	T		N/A		
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	NEW-24Q3 Rev 0	_	2	cy	P/	e/ Sp 7/8			<u>\</u>	14	,40	2	Min			ist	<u>/_</u>	RU	201		1/2/24			1	1640				>	z		
								AND SIGN		E																		့ ြ	Received on Ice (Y/N)	Custody ealed Cooler (Y/N)	(N)	
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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section B Section C Section A 6 4 of Required Client Information: Required Project Information: Invoice Information: Report To: Brian Voelker Attention: Company: Terry Hanratty Vistra Corp-Newton Company Name: Vistra Corp Address: Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com 6725 N 500th St REGULATORY AGENCY Sam Davies - samantha.davies@vistracorp.com Address: see Section A Newton, IL 62448 NPDES **GROUND WATER** DRINKING WATER Purchase Order No.: Email To: Brian, Voelker@VistraCorp.com OTHER UST RCRA Reference Project Name: Project Phone: (217) 753-8911 Site Location Мападел ìL. Project Number: 2285 rofile #. STATE: 10 day Requested Due Date/TAT: Requested Analysis Filtered (Y/N) Radium 226/228, only Section D Valid Matrix Codes to toft) C=COMP) COLLECTED Preservatives equired Client Information MATRIX CODE DRINKING WATER WATER WASTE WATER (see vald c Residual Chlorine (Y/N) SAMPLE TEMP AT COLLECT (G=GRAB PRODUCT SOLUSOUD VEW-NPDES-501 OL WP AR OT 15 CIL WIPE # OF CONTAINERS L Analysis Test SAMPLE ID JEW-SUP-000 **JEW-257-502** VEW-811-502 4EW-811-503 **JEW-845-501** MATRIX CODE (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE OTHER SAMPLE TYPE VEW-257-TEN Project No./ Lab I.D. DATÉ TIME Х N/A G208 WT G Х N/Α wT 2 G217S G Х N/A G218 wr G 3 Х Х N/A G220 WT G 4 7-2-27 1248 wr N/A G221 5 Х Х N/A G222 WT 6 Х Х N/A G223 wr 7 G Х Х N/A WT G224 G Х wr N/A G225 G 9 1341 Х 7.2.24 Х N/A G230 WT G 10 Х Х N/A WT G231 G 11 Х Х N/A 12 G232 WT G Х Х N/A G233 G 13 WT Х N/A G234 WT Ģ 14 Х N/A G48MG WT G 15 X N/A L1R WT G 16 SAMPLE CONDITIONS ACCEPTED BY / AFFILIATION DATE TIME ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME 7/2/24 1640 1640 **NEW-24Q3 Rev 0** Z. SAMPLER NAME AND SIGNATURE Samples Intact (Y/N) Received or Ice (Y/N) Custody rated Coole (Y/N) PRINT Name of SAMPLER: **DATE Signed** SIGNATURE of SAMPLER: (MM/DD/YY):

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Section C 5 6 Page: of Required Project Information: Required Client Information: Invoice Information: Company Report To: Brian Voelker Attention: Terry Hanratty Vistra Corp-Newton Company Name: Vistra Corp Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com Address: 6725 N 500th St REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A DRINKING WATER **NPDES GROUND WATER** Email To: Purchase Order No.: Ounte Brian.Voelker@VistraCorp.com UST RCRA OTHER Deference Project Name: Project Phone: (217) 753-8911 Site Location IL Radium 226/228, only Project Number: 2285 Tofile #: STATE: 10 day Requested Due Date/TAT: Requested Analysis Filtered (Y/N) Section D Valid Matrix Codes valid codes to left) C=COMP) COLLECTED Preservatives Required Client Information MATRIX CODE DOWNING WATER SAMPLE TEMP AT COLLECTION WATER WASTE WATER ww Residual Chlorine (Y/N) (G=GRAB PRODUCT SOLUSOUD SI OL SP AR OT ES (see **LEW-NPDES-501** # OF CONTAINERS CIL WIPE Analysis Test SAMPLE ID NEW-SUP-000 VEW-811-503 AIR OTHER **JEW-257-502** VEW-811-502 **JEW-845-501** MATRIX CODE (A-Z, 0-9 / ,-) SAMPLE TYPE Sample IDs MUST BE UNIQUE NEW-257 TEM Project No./ Lab I.D. TIME Х N/A WT L201 G X Wī N/A L202 G Х N/A WT L203 G 3 Х N/A L204 WT 4 G Х wr N/A L205 G 5 N/A L301 WT G х 7-1-27 Х N/A R217D WT Х N/A R219 WT G WT Χ Х N/A SG02 9 G х N/A XPW01 WT G 10 Х N/A XPW02 WT 11 G Х N/A 12 XPW03 WT G N/A XPW04 G 13 WΤ Х Х N/A XSG01 WT G 14 X Х Х Х Х Х 24061027-019 Х Field Blank wτ G 15 7-2-24 Х WT N/A A213 Duplicate G 16 SAMPLE CONDITIONS ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME 1640 1440 >-2 **NEW-24Q3 Rev 0** SAMPLER NAME AND SIGNATURE Samples intact (Y/N) Received or Ice (Y/N) Custody Sealed Cools (Y/N) Temp in PRINT Name of SAMPLER: **DATE Signed** SIGNATURE of SAMPLER: (MM/DD/YY):

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Email To:	Brian.Voelker@VistraCorp.com	Purchase C	order i	No.:						Quote												UST			RCF	RA			OTH	ER		
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1	APW02 Duplicate		WT						П	2		2		Т	П	Т	7	X			X	Х						$\top$	I	24	061027-0	20
2	G104 Duplicate		wr	G					П				П				Г		L	Х											N/A	
3	Equipment Blank 1		WT	G						2		2						X X	X	Х	Х	Х	Х							24	061027-0	21
4	Equipment Blank 2		WT	G						2		2			П		$\Box$	X X	X	Х	X	Х	X		l					24	061027-0	22
5	Equipment Blank 3		wr	G			1		П	2	П	2						X X	X	Х	Х	Х	Х							24	061027-0	23
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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Section C 6 1 of Page: Required Project Information: Required Client Information: Invoice Information: Company: Vistra Corp-Newton Report To: Brian Voelker Attention: Terry Hanratty 6725 N 500th St Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com Company Name: Vistra Corp Address: REGULATORY AGENCY Newton, iL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A NPDES GROUND WATER DRINKING WATER Email To: Purchase Order No.: Quote Brian.Voelker@VistraCorp.com UST RCRA OTHER Reference Project Phone: (217) 753-8911 Project Name: Site Location Manage IŁ Project Number: 2285 rofile # STATE: 10 day Requested Due Date/TAT: Requested Analysis Filtered (Y/N) Radium 226/228, only Section D Valid Matrix Codes C=COMP) COLLECTED Required Client Information Preservatives DRINKING WATER WT WASTE WATER Residual Chlorine (Y/N) (G=GRAB P SL OL WP AR SOLUSOUD (see VEW-NPDES-501 OF CONTAINERS OL WIPE SAMPLE ID NEW-SUP-000 VEW-257-502 NEW-811-502 VEW-811-503 NEW-845-501 MATRIX CODE (A-Z, 0-9 / ,-) OTHER SAMPLE TYPE Analysis Sample IDs MUST BE UNIQUE NEW-257-Project No./ Lab I.D. DATE TIME N/A A213 WT G х N/A A214 WŢ 2 Ģ Х N/A A215 WT G 3 x x 24061027-001 APW02 WT G 2 4 Х 2 Х 24061027-002 APW03 7.8 1211 Wĭ 5 Х Х х 24061027-003 7.8 2 APW04 WT 1125 2 6 2 Х Х 24061027-004 2 APW05 WT 7 G Х 2 24061027-005 2 APW05S WT G 8 Х 24061027-006 APW06 WT G 2 9 Х Х APW07 WT 2 24061027-007 10 G х Х Х 2 24061027-008 APW08 Wτ G 11 Х Х Х 24061027-009 APW09 WT 2 12 Х Х 24061027-010 APW10 2 WT 13 Х Х 2 24061027-011 APW11 WT 2 G 14 Х 2 Х 24061027-012 APW12 WT G 2 15 X 24061027-013 2 16 APW13 WT G SAMPLE CONDITIONS RELINQUISHED BY / AFFILIATION ACCEPTED BY / AFFILIATION DATE ADDITIONAL COMMENTS 1515 z **NEW-24Q3 Rev 0** Trklas 7.8 1515 7/8/24 2392 LECO SAMPLER NAME AND SIGNATURE Samples Intact (Y/N) eceived or ice (Y/N) Custody saled Cool (Y/N) PW/96651 Frank Barthol PRINT Name of SAMPLER: Temp in **DATE Signed** 7.8.24 SIGNATURE of SAMPLER: (MM/DD/YY):

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately Section A Section B Section C 6 2 Required Client Information: Page: Regulred Project Information: Invoice Information: Соправу: 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 REGULATORY AGENCY Newton, IL 62448 Address: Sam Davies - samantha.davies@vistracorp.com see Section A NPDES GROUND WATER DRINKING WATER Email To: Purchase Order No.: Brian Voelker@VistraCorp.com Ounte UST RCRA OTHER Reference Phone: (217) 753-8911 Project Name: roject Site Location Manager IL Project Number: 2285 Profile # Requested Due Date/TAT: 10 day STATE Requested Analysis Filtered (Y/N) Radium 226/228, only Section D Valid Matrix Codes C=COMP) Required Cirent Information MATRIX COLLECTED Preservatives SAMPLE TEMP AT COLLECTION WATER ww WASTE WATER Residual Chlorine (Y/N) (G≃GRAB SOLUSOUD **NEW-NPDES-501** # OF CONTAINERS SAMPLE ID WP AR OT VEW-SUP-000 JEW-811-503 AIR JEW-257-502 JEW-811-502 NEW-845-501 VEW-257-501 MATRIX CODE (A-Z, 0-9 / ,-) Analysis SAMPLETYPE Sample IDs MUST BE UNIQUE S N TEM DATE Project No./ Lab I.D. TIME APW14 wr Ġ 2 24061027-014 Х Х APW15 WT G 2 2 2 24061027-015 APW16 2 Х WT G 2 24061027-016 3 Х APW17 wt Ġ 2 Х Х 4 2 24061027-017 APW18 2 Х Х WT G 2 24061027-018 G06D WT G N/A 7.8 7 G104 WT G 1146 N/A G104D wr 8 G N/A Х G104S WŦ G N/A Х 10 G105 WŦ G N/A G106 Х 11 WT G N/A G109 Х 12 wr l G N/A Х G111 13 WT G N/A Х 14 G112 wt G N/A G113 Х 15 WT G N/A Х 16 G114 WT G N/A ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE ACCEPTED BY / AFFILIATION SAMPLE CONDITIONS **NEW-24Q3 Rev 0** 7.824 1515 1515 7/8/24 SAMPLER NAME AND SIGNATURE Sampies Infact (Y/N) Received or Ice (Y/N) Custody aled Cool (Y/N) Frank Barthol PRINT Name of SAMPLER: DATE Signed SIGNATURE of SAMPLER: (MM/DD/YY):

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Section C 6 S Page: of Required Client Information: Required Project Information: 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 REGULATORY AGENCY Newton, IL 62448 Sam Davies - samantha.davies@vistracorp.com Address: see Section A NPDES **GROUND WATER** DRINKING WATER Email To: Brian.Voelker@VistraCorp.com Purchase Order No.: Quote UST RCRA OTHER roject Project Name: Phone: (217) 753-8911 Site Location 1L Radium 226/228, only Project Number: 2285 Profile # Requested Due Date/TAT: 10 day STATE. Requested Analysis Fiftered (Y/N) Section D Valid Matrix Codes SAMPLE TEMP AT COLLECTION COLLECTED Required Client Information MATRIX Preservatives DRINKING WATER DW Residual Chlorine (Y/N WATER WASTE WATER ww NEW NPDES-501 # OF CONTAINERS PRODUCT P 51 01 SP 65 15 SOLUSOUR VEW-SUP-000 SAMPLE ID IEW-257-502 LEW-811-502 √EW-811-503 VEW-845-501 JEW-257-501 MATRIX CODE SAMPLE TYPE C=COMP) WIPE (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE OTHER HNO TEM DATE Project No./ Lab I.D. TIME APW02 Duplicate WT 24061027-020 G Х 2 2 G104 Duplicate WT G 7.8 1140 X 2 N/A Equipment Blank 1 XXXXXX 24061027-021 G 2 3 WT 2 Equipment Blank 2 XXXXXX 24061027-022 4 WT G 2 2 Equipment Blank 3 XXXXXXX 24061027-023 WT G 2 5 6 7 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 1515 Teklab 7/8/24 7.8 1515

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SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
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Added HNO3 (GG172) to APW15. PH V 9 Lews 1. Lorn 8/PM

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**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



## ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Eurofins St. Louis NEWTON POWER PLANT, PRIMARY ASH POND NEW 257 504

#### **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**

8/15/2024 3:30:31 PM

Authorized for release by Erika Jordan, Project Manager erika.jordan@et.eurofinsus.com (314)298-8566

8/15/2024

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, ABONDAMY JOSEH IPONOD-54750-1 NEW-25/10-29/124061027

Client: TekLab, Inc Project/Site: Radium-226 and Radium-228

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Project: Radium-226 and Radium-228

Job ID: 160-54750-1 Eurofins St. Louis

#### **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)

 $Samples\ 24061027-002\ (160-54750-1),\ 24061027-003\ (160-54750-2),\ 24061027-004\ (160-54750-3),\ 24061027-006\ (160-54750-4),\ 24061027-007\ (160-54750-5),\ 24061027-008\ (160-54750-6),\ 24061027-009\ (160-54750-7),\ 24061027-010\ (160-54750-8),\ 24061027-011\ (160-54750-9),\ 24061027-012\ (160-54750-10),\ 24061027-013\ (160-54750-11),\ 24061027-016\ (160-54750-12),\ 24061027-017\ (160-54750-13),\ 24061027-018\ (160-54750-14),\ 24061027-019\ (160-54750-15)\ and$ 

Eurofins St. Louis

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Project: Radium-226 and Radium-228

Client: TekLab, Inc.

#### 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.

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#### **Erika Jordan**

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>

**Sent:** Friday, July 19, 2024 4:31 PM

**To:** Erika Jordan

**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.

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: <a href="mailto:ehurley@teklabinc.com">ehurley@teklabinc.com</a>

www.teklabinc.com

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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 < <a href="mailto:EHurley@TekLabInc.com">EHurley@TekLabInc.com</a>>

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: <a href="mailto:ehurley@teklabinc.com">ehurley@teklabinc.com</a>

www.teklabinc.com

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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

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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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SubCocRevA 3/2/2016

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				Batch QC is required for all analyses requested.	ed for al	lanaly	ses requested	Vistra-EDD requested	
Contact	Contact: Elizabeth Hurley	Email: EHurley@	EHurley@TekLabInc.com					* CANCEL SHOLIOFT-80	100-140100 -JE
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	24061027-003	7/8/24 1125	HNO3	Groundwater	7	7	2		
	24061027-004	7/2/24 1013	HN03	Groundwater	7	7	7		
* CANCEL	24061027-005	7/8/24 1411	HNO3	Groundwater	7	7	7		
	24061027-006	7/2/24 1226	HN03	Groundwater	7	7	7		
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	24061027-010	7/2/24 1304	HNO3	Groundwater	7	7	7		
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		TEKLAB, INC.	TEKLAB, INC. Chain of Custody
5445	Horseshoe Lake	Road, Collinsville, IL	5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005
Are the samples chilled? YES	NO NO	With:	☐ Ice ☐ Blue Ice ☐ Reserved in: ☐ Lab ☐ F
Teklab Inc	Ö	Cooler Temp:	Sampler: Teklab Sampler 2
5445 Horseshoe Lake Koad Collinsville, IL 62234			Comments: Please Issue reports and invoices via email only
			Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll
Project# 24061027			Method changes require Teklab authorization. Samples collected from an IL s
			Batch QC is required for all analyses requested. Vistra-EDD requested
Contact: Elizabeth Hurley	Email:	Email: EHurley@TekLabInc.com	
Requested Due Date: Standard TAT	Billing/PO: 36631	36631	Phone: (618) 344-1004 ext. 33
PLEASE NOTE			

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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.		

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Client: TekLab, Inc Job Number: 160-54750-1 SDG Number: 24061027

Login Number: 54750 List Source: Eurofins St. Louis

List Number: 1

Creator: Pinette, Meadow L

Question	Answer Comm	ment
Radioactivity wasn't checked or is = background as measured by a sumeter.</td <td>vey True</td> <td></td>	vey 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 C	C. True	
Samples are received within Holding Time (excluding tests with immediates)	te 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	

## DETINITIONS POTOS SIGNATURES AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND

Client: TekLab, Inc NEO/0-154750-1 Project/Site: Radium-226 and Radium-228

SDG: 24061027

#### **Qualifiers**

Qualifier **Qualifier Description** 

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

Duplicate Error Ratio (normalized absolute difference) **DER** 

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)

Estimated Detection Limit (Dioxin) **EDL** 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 Method Quantitation Limit MQL

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** 

Relative Error Ratio (Radiochemistry) **RER** 

Reporting Limit or Requested Limit (Radiochemistry) RL

**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

APPENDIX A.

AMETHOR SOUTH AND CORRECTIVE ACTION REPORT
NEWTON POWER PLANT, PRIMARY ASH POND
NEW 10-160-54750-1

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

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

# APPENDIX A. ASSAM FRE SPINATERAL NITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW 10-160-54750-1

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

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

Project/Site: Radium-226 and Radium-228

SDG: 24061027

Lab Sample ID: 160-54750-1

**Matrix: Water** 

Client	Sample	ID: 240	61027-002

Date Collected: 07/08/24 12:11 Date Received: 07/19/24 12:40

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

ſ	Method: TAL-STL F	Ra226_Ra2	228 Pos -	Combined	Radium-22	26 and Ra	dium-2	28			
				Count	Total						
				Uncert.	Uncert.						
1	Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Ī	Radium 226 and 228	0.125	U	0.295	0.295	5.00	0.549	pCi/L	<u> </u>	08/15/24 11:34	1

Client Sample ID: 24061027-003 Lab Sample ID: 160-54750-2 Date Collected: 07/08/24 11:25 **Matrix: Water** 

Date Received: 07/19/24 12:40

Ba Carrier

87.6

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

30 - 110

Method: EPA 90	4.0 - Radium	-228 (GFP	C)							
		•	Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Eurofins St. Louis

07/23/24 08:21 08/14/24 10:06

Project/Site: Radium-226 and Radium-228

SDG: 24061027

Lab Sample ID: 160-54750-3

**Matrix: Water** 

Client Sample ID: 24061027-004

Date Collected: 07/02/24 10:13 Date Received: 07/19/24 12:40

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Ba Carrier		Qualifier	20 - 110					Prepared 07/23/24 08:21	Analyzed 08/14/24 10:06	Dil Fac

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra2	228 Pos -	Combined	Radium-2	226 and F	Radium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-54750-4 Date Collected: 07/02/24 12:26 **Matrix: Water** Date Received: 07/19/24 12:40

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra	228 Pos -	Combined	Radium-22	26 and Ra	dium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

SDG: 24061027

Lab Sample ID: 160-54750-5

**Matrix: Water** 

<b>Client Sample ID: 24061027-007</b>
Date Collected: 07/02/24 13:27

Date Received: 07/19/24 12:40

Method: EPA 90	3.0 - Radium	-226 (GFP	•	Tatal						
Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analvzed	Dil Fac
Radium-226	1.02	<u>Qualifier</u>	0.198	0.219	1.00	0.102		07/23/24 08:21	08/14/24 10:06	1
Carrier Ba Carrier	% <b>Yield</b> 93.3	Qualifier	Limits 30 - 110					<b>Prepared</b> 07/23/24 08:21	Analyzed 08/14/24 10:06	Dil Fac

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	Ra226_Ra	228 Pos -	Combined	Radium-22	26 and Ra	dium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.60		0.434	0.447	5.00	0.560	pCi/L	<u> </u>	08/15/24 11:34	1

Client Sample ID: 24061027-008 Lab Sample ID: 160-54750-6

Onent Sample ID: 2400 1027-000	
Date Collected: 07/09/24 13:15	Matrix: Water
Date Received: 07/19/24 12:40	

Method: EPA 903	3.0 - Radium	-226 (GFP	C) Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra2	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

SDG: 24061027

Client Sample ID: 24061027-009 Lab Sample ID: 160-54750-7

**Matrix: Water** 

Date Collected: 07/02/24 14:19 Date Received: 07/19/24 12:40

Method: EPA 903	3.0 - Radium	-226 (GFP	•	Total						
Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.596		0.165	0.173	1.00	0.147		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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	Ra226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.01		0.424	0.429	5.00	0.619	pCi/L	<u> </u>	08/15/24 11:34	1

Client Sample ID: 24061027-010 Lab Sample ID: 160-54750-8 Date Collected: 07/02/24 13:04 **Matrix: Water** 

Date Received: 07/19/24 12:40

Method: EPA 903	.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 90	)4.0 - Radium	-228 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra	228 Pos -	Combined	Radium-22	26 and Ra	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

SDG: 24061027

Lab Sample ID: 160-54750-9

**Matrix: Water** 

Client Sample ID: 24061027-011

Date Collected: 07/02/24 11:03 Date Received: 07/19/24 12:40

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-54750-10 Date Collected: 07/02/24 11:57 **Matrix: Water** Date Received: 07/19/24 12:40

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
Amalista	Danulé	Ovalifian	Count Uncert.	Total Uncert.	DI	MDC	11-4	Duamanad	Aughmad	D:: F
Analyte	Result	Qualifier	(2σ+/-)	(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 90	4.0 - Radium	-228 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra2	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

SDG: 24061027

Client Sample ID: 24061027-013

Project/Site: Radium-226 and Radium-228

Date Collected: 07/02/24 14:11 Date Received: 07/19/24 12:40 Lab Sample ID: 160-54750-11

**Matrix: Water** 

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-54750-12 Date Collected: 07/10/24 09:03 **Matrix: Water** 

Date Received: 07/19/24 12:40

3.0 - Radium	-226 (GFP	•	Tatal						
		Uncert.	Uncert.						
Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
0.779		0.183	0.196	1.00	0.124	pCi/L	07/23/24 08:21	08/14/24 10:09	1
%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
85.6		30 - 110					07/23/24 08:21	08/14/24 10:09	1
	Result 0.779	Result Qualifier 0.779  %Yield Qualifier	Result 0.779         Qualifier Qualifier 0.183           %Yield Qualifier Limits	Count   Total   Uncert.   Uncert.   (2σ+/-)   (2σ+/-)     0.779	Count   Total   Uncert.   Uncert.   Uncert.   Uncert.   Uncert.   O.779   O.183   O.196   O	Count   Total   Uncert.   Uncert.   Uncert.   Uncert.   Uncert.   O.779   O.183   O.196   O.124	Count   Total   Uncert.   Uncert.   Uncert.   Uncert.   Uncert.   O.779   O.183   O.196   O.196   O.124   PCi/L	Count   Total   Uncert.   Uncert.   Uncert.   Count   Uncert.   Uncert.   Uncert.   Uncert.   Count   Uncert.   U	Count   Uncert.   Uncert.   Uncert.   Uncert.   Count   Uncert.   Uncert.   Uncert.   Uncert.   Count   Uncert.   Uncert.   Uncert.   Count   Uncert.   Count   Unit   Prepared   Analyzed   O.779   O.183   O.196   O.124   P.   P.   P.   O.7/23/24   O.1

Method: EPA 90	4.0 - Radium	-228 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-22	26 and Ra	dium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

Date Received: 07/19/24 12:40

SDG: 24061027

Lab Sample ID: 160-54750-13 Client Sample ID: 24061027-017 Date Collected: 07/09/24 12:38

**Matrix: Water** 

Method: EPA 903.0 - Radium-226 (GFPC)

Ba Carrier	91.3		30 - 110						08/14/24 10:09	1
Carrier	%Yield	Qualifier	Limits					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
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			Count	Total						

_ Method: EPA 904	4.0 - Padium	228 (CED	C)							
Analyte		Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analvzed	Dil Fac
Radium-228	0.809	- Guarrier	0.362	0.369	1.00	0.474		07/23/24 08:24		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 R	a226_Ra	228 Pos -	Combined	Radium-22	6 and Ra	dium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Lab Sample ID: 160-54750-14 Client Sample ID: 24061027-018 Date Collected: 07/09/24 11:02 **Matrix: Water** 

Date Received: 07/19/24 12:40
Method: EPA 903.0 - Radium-226 (GFPC

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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	4.0 - Radium	-228 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra2	228 Pos -	Combined	Radium-2	26 and R	Radium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

SDG: 24061027

Lab Sample ID: 160-54750-15

**Matrix: Water** 

Client Sample ID: 24061027-019

Date Collected: 07/11/24 10:05 Date Received: 07/19/24 12:40

Method: EPA 903.0	0 - Radium	-226 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte		Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC		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

			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-54750-16 Date Collected: 07/11/24 10:15 **Matrix: Water** Date Received: 07/19/24 12:40

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	Ra226_Ra	228 Pos -	Combined	Radium-22	26 and Ra	dium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

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Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

NEOND-1207-1660-54750-1

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** 

			Count	Total					•	
	MB	MB	Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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
	МВ	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac

30 - 110

Lab Sample ID: LCS 160-671940/2-A

97.3

**Matrix: Water** 

Ba Carrier

Analysis Batch: 674941

Client Sample ID: Lab Control Sample

07/23/24 08:21 08/14/24 10:05

Prep Type: Total/NA

**Prep Batch: 671940** 

Total LCS LCS %Rec **Spike** Uncert. Analyte Added Result Qual  $(2\sigma + / -)$ RL **MDC** Unit %Rec Limits Radium-226 9.58 9.617 1.01 1.00 0.0736 pCi/L 100 75 - 125

LCS LCS Carrier %Yield 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** 

Total Sample Sample DU DU **RER** Uncert. Analyte Result Qual  $(2\sigma + / -)$ RL **MDC** Unit Result Qual RER Limit 0.112 U Radium-226 0.0736 1.00 0.0997 pCi/L 0.05 0.1046 DU DU

Carrier %Yield Qualifier Limits Ba Carrier 83.4 30 - 110

#### Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-671941/1-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA **Prep Batch: 671941** 

Analysis Batch: 673422

Count Total MB MB Uncert. Uncert. Analyte Result Qualifier  $(2\sigma + / -)$  $(2\sigma + / -)$ RL **MDC** Unit Prepared Dil Fac Analyzed Radium-228 -0.03052 Ū 0.280 0.280 1.00 0.529 pCi/L 07/23/24 08:24 08/01/24 12:13

MB MB Carrier %Yield Qualifier Limits Prepared Dil Fac Analyzed Ba Carrier 97.3 30 - 110 07/23/24 08:24 08/01/24 12:13 30 - 110 Y Carrier 83.0 07/23/24 08:24 08/01/24 12:13

Project/Site: Radium-226 and Radium-228

**Prep Type: Total/NA** 

10

SDG: 24061027

#### Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-671941/2-A **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA Analysis Batch: 673422 Prep Batch: 671941** 

-				Total						
	Spike	LCS	LCS	Uncert.					%Rec	
Analyte	Added	Result	Qual	(2σ+/-)	RL	MDC	Unit	%Rec	Limits	
Radium-228	8.71	8.755		1.23	1.00	0.493	pCi/L	100	75 - 125	
109.10	•e									

LCS LCS Carrier %Yield Qualifier Limits Ba Carrier 94.5 30 - 110 Y Carrier 80.4 30 - 110

Lab Sample ID: 160-54750-10 DU Client Sample ID: 24061027-012

**Matrix: Water Analysis Batch: 673421** 

**Prep Batch: 671941** Total

	Sample	Sample	DU	DU	Uncert.						RER
Analyte	Result	Qual	Result	Qual	(2σ+/-)	RL	MDC	Unit		RER	Limit
Radium-228	0.421	U	0.7025		0.452	1.00	0.670	pCi/L	 	0.35	1

DU DU Carrier %Yield Qualifier Limits Ba Carrier 30 - 110 83.4 81.9 30 - 110 Y Carrier

SDG: 24061027

#### Rad

#### **Prep Batch: 671940**

Project/Site: Radium-226 and Radium-228

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 Batcl
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	

8/15/2024

Project/Site: Radium-226 and Radium-228

SDG: 24061027

Method: 903.0 - Radium-226 (GFPC)

**Matrix: Water Prep Type: Total/NA** 

			Percent Yield (Acceptance Limits)
		Ва	
Lab Sample ID	Client Sample ID	(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	

Method: 904.0 - Radium-228 (GFPC)

**Matrix: Water Prep Type: Total/NA** 

				Percent Yield (Acceptance Limits)
		Ва	Υ	
Lab Sample ID	Client Sample ID	(30-110)	(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	

Ba = Ba Carrier

# APPENDIX A. Trace // Capping with the pring and corrective action report New on Power Plant, Primary Ash Pond New 0-54750-1

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

Y = Y Carrier

SDG: 24061027

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Elizabeth A Hurley TekLab, Inc 5445 Horseshoe Lake Road Collinsville, Illinois 62234

Generated 9/10/2024 1:51:35 PM Revision 1

# **JOB DESCRIPTION**

Radium-226 and Radium-228 24061027

# **JOB NUMBER**

160-55014-1

Eurofins St. Louis 13715 Rider Trail North Earth City MO 63045



# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Eurofins St. Louis NEWTON POWER PLANT, PRIMARY ASH POND NEW 257 504

# **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**

9/10/2024 1:51:35 PM Revision 1

Authorized for release by Erika Jordan, Project Manager erika.jordan@et.eurofinsus.com (314)298-8566

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, ABRIMANNY JOSEH IP ON CO. 55014-1 NEW-25/0-29/124061027

Client: TekLab, Inc Project/Site: Radium-226 and Radium-228

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Project: Radium-226 and Radium-228

Job ID: 160-55014-1 Eurofins St. Louis

#### **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.

Eurofins St. Louis

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Client: TekLab, Inc. Project: Radium-226 and Radium-228

# 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 (160-55014-7), 24061027-028 (160-55014-6), 24061027-029 (160-55014-7), 24061027-030 (160-55014-7), 24061027-028 (160-55014-6), 24061027-029 (160-55014-7), 24061027-030 (160-55014-7), 24061027-028 (160-55014-6), 24061027-029 (160-55014-7), 24061027-030 (160-55014-7), 24061027-028 (160-55014-6), 24061027-029 (160-55014-7), 24061027-030 (160-55014-7), 24061027-028 (160-55014-6), 24061027-029 (160-55014-7), 24061027-030 (160-55014-7), 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.

9/10/2024 (Rev. 1)

SubCocRevA 3/2/2016

	5445 LOSSO	TEK		TEKLAB, INC. Chain of Custody	Custo	dy			
	2445 HOISE	2443 HOISESHOE LAKE KOAD, COIIINSVIIIE, IL	- 11	62234 Phone (618) 344-1004 Fax (618) 344-1005	618) 3	44-100	4 Fax (618)	344-1005	
Are the samples chilled?	lled? YES NO	With:	Ce	☐ Blue Ice			Preserved in:	ı: 🔲 Lab	Field
Teklab Inc		Cooler Temp:		Sampler: Teklab, Inc.			8	QC Level: 2	
Collinsville, IL 62234	ake Koda 34			Comments:	lease Is	sue re	Please Issue reports and invoices via email only	ices via email	yluc
				Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.	Radium 2	26/228 p	er methods speci	ified for Vistra/Ra	nboll projects.
Project#	24061027			Method changes require Teklab authorization.	quire Tek	lab autho		Samples collected from an IL site.	in IL site.
- toetoo.	Contact: Elizabeth Hurley	EHurlev@	EHurlev@Tekl abluc com	Batch QC is required for all analyses requested. Vistra-EDD requested	ed for all a	nalyses	requested. Vistra	-EDD requested.	
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please contact Teklab analyte/method during	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.	for a contact Teklab immediately	s suspended for a	ny	82S/228 92S muit	822 muit			-
Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	닉	$\dashv$			
	24061027-022	8/7/24 1331	HNO3	Groundwater	7	2	delication and an		; [±]
	24061027-023	8/7/24 1008	HN03	Groundwater	7	7			
	24061027-024	8/7/24 1238	HN03	Groundwater	,	7			
	24061027-025	8/7/24 1155	HNO3	Groundwater	7	2			
	24061027-026	8/7/24 1125	HN03	Groundwater	2	7	IL.	160-55014 C	160-55014 Chain of Custod
	24061027-028	8/7/24 1148	HN03	Groundwater	7	7	The state of the s	A management to the state of th	
	24061027-029	8/8/24 0920	HNO3	Groundwater	7	2	And the second s	To the state of th	
	24061027-030	8/8/24 1025	HN03	Groundwater	7	7			
	24061027-031	8/8/24 1055	HN03	Groundwater	7	2			Manage Trans
	24061027-032	8/8/24 1105	HNO3	Groundwater	2	7			
	24061027-033	8/7/24 1331	HNO3	Groundwater	2	7	IL IC		
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Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2. Section 4.1.5 c)

Teklab, Inc. 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)

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Collinsville, IL 62234	4			Comments: Please Issue reports and invoices via email only Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects	Please r Radium	<b>Issue</b>	report 28 per n	s and in	voices	Please Issue reports and invoices via email or Radium 226/228 per methods specified for Vistra/Ram	only amboll proje	Į,	П		
Project#	24061027			Method changes require Teklab authorization.	equire T	eklab a	uthoriza	tion. Sam	ples co	Samples collected from an IL site.	n IL site.		T		
,				Batch QC is required for all analyses requested.	red for a	ll analy	ses requ	ested. Vi	stra-EDI	Vistra-EDD requested.					
Contact: Elizabeth Hurl Requested Due Date: Standard TAT	Contact: Elizabeth Hurley  Ue Date: Standard TAT	Email: EHurley@TekLabinc.com Billing/PO: PURP 5663/	FUG3/	Pho	Phone: (618) 344-1004 ext. 33	18) 344	1004 e)	t. 33							
PLEASE NOTE															-
NELAP accreditation is If your laboratory does it	NELAP accreditation is required on the requested analytes and mus if your laboratory does not currently hold a NELAP accreditation for	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.	st be documented as such on the final r the requested method and/or analytes.	on the final report.											
please contact Teklab is analyte/method during t	please contact Teklab immediately. If your laboratory loses accredit analyte/method during the life of the contract, you must contact Tek analyte/method during the life of the contract, you must contact Tek	please contact Teklab immediately. If your laboratory loses accreditation or is suspeanalyte/method during the life of the contract, you must contact Teklab immediately	ation or is suspended for any lab immediately.	δu	822/922	8SS muib	8SS muib								
Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	ВЯ	ВЯ	Ra					_		_	
	24061027-034	8/7/24 1125	HNO3	Groundwater	7	7	2				-	L	_	L	
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	24061027-036	8/7/24 1345	HNO3	Groundwater	2	12	12						.  _	11	
			HN03	Groundwater	7	7	7		1			1	1	1	41-
			HNO3	Groundwater	7	7	7							1	
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			HNO3	Groundwater	7	7	7								
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# 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

**Unverified Sender:** The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hi, Erika,

I've 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: <a href="mailto:ehurley@teklabinc.com">ehurley@teklabinc.com</a>

www.teklabinc.com

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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 Radius-2308

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**

NEW-257-501

Client: TekLab, Inc

Job Number: 160-55014-1

SDG Number: 24061027

Login Number: 55014 List Source: Eurofins St. Louis

List Number: 1

Creator: Pinette, Meadow L

ordator: I motto, moddow E		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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	
s 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 <a href="mailto:smm">&lt;6mm</a> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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DETINITIONS POTTS SANTORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEO/10-157:-1660-55014-1

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228 SDG: 24061027

# Qualifiers

Rad

Qualifier **Qualifier Description** 

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

Duplicate Error Ratio (normalized absolute difference) **DER** 

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

Decision Level Concentration (Radiochemistry) DLC

Estimated Detection Limit (Dioxin) **EDL** 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 MLMinimum 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)

Reporting Limit or Requested Limit (Radiochemistry) RL

**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

APPENDIX A.

AMETHOR SOUTH AND CORRECTIVE ACTION REPORT
NEWTON POWER PLANT, PRIMARY ASH POND
NEW 10-160-55014-1

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

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

APPENDIX A.

ASSAM PRO SOUTH RAIGNITORING AND CORRECTIVE ACTION REPORT
NEWTON POWER PLANT, PRIMARY ASH POND
NEW 10-160-55014-1

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

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

Project/Site: Radium-226 and Radium-228

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)

			Count Uncert.	lotal Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 (GEPC)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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-STI Ra226 Ra228 Pos - Combined Radium-226 and Radium-228

Method. IAL-STE	azzu_i\az	220 1 03 -	Combined	Madiuiii-22	o and ite	iuiuiii-2	20			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 (GEPC)

		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Welliou. EPA 304.0	J - Kaululli	-220 (GFP	<b>C)</b>							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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:

hod: TAL-STL Ra226_	Ra228 Pos - Combined Radium-226 and Radium-228

Michiga. IAL OIL	WALLO_I WA	<b>LLU I UU</b>	Combined	tudium 22	o una re	adidiii <b>L</b>					
			Count	Total							
			Uncert.	Uncert.							
Analyte	Result	Qualifier	(2σ+/-)	(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	

Project/Site: Radium-226 and Radium-228

SDG: 24061027

Lab Sample ID: 160-55014-3

**Matrix: Water** 

Client	Sample	ID:	24061027-024

Date Collected: 08/07/24 12:38 Date Received: 08/09/24 11:10

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra2	228 Pos -	Combined	Radium-2	226 and F	Radium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-55014-4 Date Collected: 08/07/24 11:55 **Matrix: Water** 

Date Received: 08/09/24 11:10

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 90	14.0 - Radium	-228 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Total

Count

SDG: 24061027

Client Sample ID: 24061027-026

Project/Site: Radium-226 and Radium-228

Date Collected: 08/07/24 11:25 Date Received: 08/09/24 11:10

Lab Sample ID: 160-55014-5

**Matrix: Water** 

Method: E	PA 903.0	- Radium-226	(GFPC)

			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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-STER	a220_Na	220 PUS -	Combined	Naululli-22	o allu Na	iuiuiii-2	20			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 (GEPC)

		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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	4.0 - Radium	-228 (GFP	•							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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
Wethou

# I: TAL-STL Ra226 Ra228 Pos - Combined Radium-226 and Radium-228

mothod: I/th other			Combined	rtaaran 22	.o ama m	-					
			Count	Total							
			Uncert.	Uncert.							
Analyte	Result	Qualifier	(2σ+/-)	(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	

Project/Site: Radium-226 and Radium-228

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: I	EPA	903.0 -	Radium-226	(GFPC)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 (GEPC)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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. IAL-STER	.a220_Na2	220 F US -	Combined	Naululli-22	to allu ixa	iuiuiii-2	20			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.39		0.496	0.509	5.00	0.648	pCi/L	<u> </u>	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** 

		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Wethod: EPA 904.	u - Radium	-228 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Mictiloa. IAL OIL I	\u		Combined	itaaiaiii <b>2</b> 2	o una ix	adidiii 2				
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

SDG: 24061027

Lab Sample ID: 160-55014-9

**Matrix: Water** 

<b>Client Sample</b>	ID:	24061027-031
Date Collected: 0	ឧ/nន	/24 10:55

Date Received: 08/09/24 11:10

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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_Ra	228 Pos -	Combined	Radium-22	26 and Ra	dium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-55014-10 Date Collected: 08/08/24 11:05 **Matrix: Water** 

Date Received: 08/09/24 11:10

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 90	4.0 - Radium	-228 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra2	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

SDG: 24061027

Lab Sample ID: 160-55014-11

**Matrix: Water** 

Client Sample ID: 24061027-033 Date Collected: 08/07/24 13:31

Date Received: 08/09/24 11:10

Method: EPA 903.	0 - Radium	-226 (GFP	C)							
		•	Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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	

			Count Uncert.	Total Uncert.						
Analyte	Posult	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Allalyte		Qualifier	<del>`</del> _	<del>``</del>						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 R	a226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.946		0.367	0.376	5.00	0.459	pCi/L	<u> </u>	09/06/24 14:13	1

Client Sample ID: 24061027-034 Lab Sample ID: 160-55014-12 Date Collected: 08/07/24 11:25 **Matrix: Water** Date Received: 08/09/24 11:10

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

Date Received: 08/09/24 11:10

SDG: 24061027

Client Sample ID: 24061027-035 Lab Sample ID: 160-55014-13 Date Collected: 08/08/24 11:13

**Matrix: Water** 

	Method: EPA 903.0 - Radium-226 (0	GFPC)
1		

			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

# Mothod: EDA 004.0 Podium 229 (CEDC)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

mothod: I/tE OIE I	<u>u</u>		Combined	rtadiani 2	Lo ana it					
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Lab Sample ID: 160-55014-14 Date Collected: 08/07/24 13:45 **Matrix: Water** Date Received: 08/09/24 11:10

Wethou. LI A 30			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

) - Kaululli	-220 (GFP	C)							
		Count	Total						
		Uncert.	Uncert.						
Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
0.604		0.369	0.373	1.00	0.530	pCi/L	08/13/24 06:35	08/22/24 12:04	1
%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
89.7		30 - 110					08/13/24 06:35	08/22/24 12:04	1
78.1		30 - 110					08/13/24 06:35	08/22/24 12:04	1
	Result   0.604	Result Qualifier  0.604  %Yield Qualifier  89.7	Count Uncert.	Count Uncert. Uncert.   (2σ+/-) (2σ+/-)     0.604	Count   Total   Uncert.   Uncert.   Uncert.   Count   Uncert.   Uncert.   Uncert.   Uncert.   Count   Uncert.   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count   Uncert.   Count	Count   Total   Uncert.	Nesult   Qualifier   (2σ+/-)   (2σ+/-)   RL   MDC   Unit	Count   Uncert.   Uncer	Count   Uncert.   Uncert.   Uncert.   Uncert.   (2σ+/-)   (2σ+/-)   RL   MDC   Unit   Prepared   Analyzed   O8/13/24 06:35   O8/22/24 12:04

# Method: TAL-STL Ra226 Ra228 Pos - Combined Radium-226 and Radium-228

mothod: I/tE OIE I			Combined	radiaiii 22	e una ne						
			Count	Total							
			Uncert.	Uncert.							
Analyte	Result	Qualifier	(2σ+/-)	(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	

10

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

NEOND-1267-1660-55014-1 SDG: 24061027

# Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-674779/1-A

Lab Sample ID: LCS 160-674779/2-A

**Matrix: Water** 

**Matrix: Water** 

**Analysis Batch: 677983** 

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 674779

MB MB Uncert. Uncert. Analyte Result Qualifier  $(2\sigma + / -)$  $(2\sigma + / -)$ 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

Total

MB

Carrier %Yield Qualifier Limits Prepared Analyzed Dil Fac Ba Carrier 98.5 30 - 110 08/13/24 06:32 09/04/24 08:13

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 674779

**Analysis Batch: 677983** 

Count

Total

LCS LCS %Rec **Spike** Uncert. Analyte Added Result Qual  $(2\sigma + / -)$ RL %Rec Limits MDC Unit Radium-226 9.58 8.736 0.940 1.00 0.130 pCi/L 91 75 - 125

LCS LCS

Carrier %Yield Qualifier Limits Ba Carrier 91.9 30 - 110

Lab Sample ID: 160-55014-1 DU Client Sample ID: 24061027-022

**Matrix: Water** 

**Analysis Batch: 677983** 

Prep Type: Total/NA Prep Batch: 674779

Total

DU DU **RER** Sample Sample Uncert. Result Qual  $(2\sigma + / -)$ RL **MDC** Unit Analyte Result Qual RER Limit 0.06083 U Radium-226 0.169 0.0677 1.00 0.108 pCi/L 0.74

DU DU

Carrier %Yield 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

MB MB Uncert. Uncert. Analyte Result Qualifier  $(2\sigma + / -)$  $(2\sigma + / -)$ RL **MDC** Unit Prepared Dil Fac Analyzed Radium-228 Ū 1.00 08/13/24 06:35 08/22/24 12:01 0.2102 0.277 0.277 0.462 pCi/L

Total

Count

MB MB

Carrier %Yield Qualifier Limits Prepared Dil Fac Analyzed Ba Carrier 98.5 30 - 110 08/13/24 06:35 08/22/24 12:01 30 - 110 Y Carrier 85.6 08/13/24 06:35 08/22/24 12:01

Project/Site: Radium-226 and Radium-228

N±040-1257-1660-55014-1

SDG: 24061027

# Method: 904.0 - Radium-228 (GFPC) (Continued)

30 - 110

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** 

Total

LCS LCS %Rec Spike Uncert. Analyte Added Result Qual  $(2\sigma + / -)$ RL**MDC** Unit %Rec Limits Radium-228 8.58 10.17 1.34 1.00 0.475 pCi/L 119 75 - 125

DU DU

Result Qual

0.07<del>044</del> U

LCS LCS %Yield Qualifier Carrier Limits Ba Carrier 91.9 30 - 110

85.2

Client Sample ID: 24061027-022

Prep Type: Total/NA

**Prep Batch: 674780** 

Lab Sample ID: 160-55014-1 DU **Matrix: Water** 

Y Carrier

Analyte

Radium-228

Analysis Batch: 676153

Total

0.302

RL

1.00

Uncert.  $(2\sigma + / -)$ 

**MDC** Unit 0.545 pCi/L

Limit RER 0.27

DU DU

Sample Sample

Result Qual

0.241 U

%Yield Qualifier Carrier Limits 30 - 110 Ba Carrier 94.1 80.0 30 - 110 Y Carrier

**RER** 

10

SDG: 24061027

# Rad

# **Prep Batch: 674779**

Project/Site: Radium-226 and Radium-228

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	

SDG: 24061027

Method: 903.0 - Radium-226 (GFPC)

Project/Site: Radium-226 and Radium-228

**Matrix: Water Prep Type: Total/NA** 

			Percent Yield (Acceptance Limits)
		Ва	
Lab Sample ID	Client Sample ID	(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	

Method: 904.0 - Radium-228 (GFPC)

**Matrix: Water** Prep Type: Total/NA

				Percent Yield (Acceptance Limits)
		Ва	Υ	
Lab Sample ID	Client Sample ID	(30-110)	(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	

Ba = Ba Carrier

Y = Y Carrier

### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling SNEWHER) POWER PLANT, LANDFILL 2 Newton- 3Q 2024 EW-257-502

recimicia	n(s): DC, JC, TC, BG,	· ·		Weat	her	1		Wel	l Condition		<del></del>
				vveat				vvei	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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling SNEWHER) POWER PLANT, LANDFILL 2 Newton- 3Q 2024 EW-257-502

recimicia	<b>n(s):</b> DC, JC, TC, BG,	<u>' '                                  </u>		Weat	hor	1		Wall	Condition		
				vveal	lilei			vven	Condition		
WO Sample	Well ID	Program/ Sample Type	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	Е	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					



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling SNEWHTAP) POWER PLANT, LANDFILL 2

Newton- 3Q 2024 EW-257-502

				Weat	ther			We	ll Condition		
WO Sample	Well ID	Program/ Sample Type	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									



# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling SNEWHER) POWER PLANT, LANDFILL 2 Newton- 3Q 2024 EW-257-502

Technician(s): DC, JC, TC, BG, PY

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

		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



# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling SNEWHER) POWER PLANT, LANDFILL 2 Newton- 3Q 2024 EW-257-502

Technician(s): DC, JC, TC, BG, PY

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

			GW Level Meas	urement		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	-	1	-	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									



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling SNEWHTAP) POWER PLANT, LANDFILL 2

Newton- 3Q 2024 EW-257-502

Technician(s): DC, JC, TC, BG, PY

Site Samping Event: NEW-3Q24

LIMS Workorder: 24061026

		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				-	<u> </u>				Direct Grab			



# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling SNEWHER) POWER PLANT, LANDFILL 2
Newton- 3Q 2024 EW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026 Technician(s): DC, JC, TC, BG, PY

	(S). DC, JC, TC, BG, I		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	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	It 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



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#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling SNEWHTAP) POWER PLANT, LANDFILL 2

Newton- 3Q 2024 EW-257-502

	<b>n(s):</b> DC, JC, TC, BG,	<u> </u>	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)
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	It 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	It brown	20.24	0.99
072	R219	JC	07/10/24	13:41	Low Flow	51294	Yes	Slightly cloudy	None	It 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											



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling SNEWHTAP) POWER PLANT, LANDFILL 2

Newton- 3Q 2024 EW-257-502

	(s). De, se, re, ba,		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)
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	It 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	It 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	It 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	It 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					



# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling SNEWHER) POWER PLANT, LANDFILL 2
Newton- 3Q 2024 EW-257-502

	1(s). DC, JC, TC, BG, F	
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	
	G06D	
	G104	
024	G104D	
025	G104S	
026	G105	
027	G106	
	G109	
	G111	
030	G112	
	G113	
	G114	
	G115	
	G116	
	G117	
	G118	
	G119	
	G120	
	G125	
040	G128	



# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling SNEWHERPANT, LANDFILL 2
Newton- 3Q 2024 PEW-257-502

Site Samping Event: NEW- 3Q24 LIMS Workorder: 24061026 Technician(s): DC, JC, TC, BG, PY

1	11(3): 00, 30, 10, 00,	
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	



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#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling SNEWHTAP)N POWER PLANT, LANDFILL 2 Newton- 3Q 2024 EW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

Technician(s): DC, JC, TC, BG, PY

	П <b>(з).</b> DC, JC, TC, BG, Т	
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	



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Stabilizaed Field Parameter SWA Darp OWER PLANT, LANDFILL 2 Newton- 3Q 2024 EW-257-502

Technician(s): DC. JC. TC. BG. PY

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

Technician(s): DC, JC	, IC, BG, PY										
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



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### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Stabilizaed Field Parameter SWA Darp OWER PLANT, LANDFILL 2 Newton- 3Q 2024 EW-257-502

Technician(s): DC. JC. TC. BG. PY

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

C218		
C2175		
C2115	24061026-048A	
C218	24061026-049A	
G220	24061026-050A	
G221   7/2/2024   12:48   37.6   99.7   6.76   2,748.2   0.51   35.50   108.4   23.48   2406   G223   7/10/2024   11:58   19.0   66.2   6.85   3,655.5   0.19   95.09   78.9   32.84   2406   G225   7/9/2024   13:41   17.5   63.7   7.24   1,186.9   3.20   4.09   76.1   99.9   2406   G230   7/2/2024   13:41   17.5   63.4   7.31   2,698.3   0.47   67.18   10.48   48.31   2406   G231   7/10/2024   11:27   16.2   61.2   7.23   1,186.7   0.18   100.53   -147.3   45.92   G232   7/9/2024   11:27   16.2   61.2   7.23   1,186.7   0.18   100.53   -147.3   45.92   G233   7/9/2024   9.41   15.7   60.3   7.13   1,533.6   0.57   108.79   131.2   42.86   2406   G234   7/8/2024   12:01   16.2   61.1   7.31   1,186.4   0.16   87.19   -161.7   34.44   G48MG   7/11/2024   8:52   16.2   61.2   7.63   797.5   0.25   9.02   -70.1   18.94   2406   G201   7/11/2024   12:07   16.2   61.2   7.63   797.5   0.25   9.02   -70.1   18.94   2406   G201   7/11/2024   12:07   16.2   61.2   7.63   797.5   0.25   9.02   -70.1   18.94   2406   G202   7/11/2024   12:07   16.2   61.2   7.63   797.5   0.25   9.02   -70.1   18.94   2406   G203   7/11/2024   14:00   DTW Only   36.62   2406   G204   7/11/2024   14:10   DTW Only   36.62   2406   G205   7/11/2024   14:10   DTW Only   31.95   2406   G206   7/11/2024   14:10   DTW Only   32.73   2406   G207   7/11/2024   14:10   DTW Only   32.73   2406   G208   7/11/2024   13:34   22.6   72.6   73.6   1,729.6   0.26   38.99   92.8   20.65   2406   G209   7/11/2024   13:34   17.1   62.7   12.30   97.91.7   0.07   8.17   4.29.5   10.66   2406   G200   7/11/2024   13:44   17.1   62.7   12.30   97.91.7   0.07   8.17   4.29.5   10.66   2406   G201   7/11/2024   9:25   16.6   61.8   10.12   53.99   0.10   4.00   -228.9   7.62   G201   7/11/2024   9:25   16.6   61.8   10.12   53.99   0.10   4.00   -228.9   7.62   G201   7/11/2024   9:25   16.6   61.8   10.12   53.99   0.10   4.00   -228.9   7.62   G201   7/11/2024   9:25   16.6   61.8   10.12   53.99   0.10   4.00   -228.9   7.62   G201   7/11/2024   9:25   16.6	24061026-051A	
Color	24061026-052A	
C225	24061026-053A	
G230	24061026-055A	
G231	24061026-057A	
G232	24061026-058A	
G233	24061026-059A	
G234	24061026-060A	
G48MG	24061026-061A	
Lir	24061026-062A	
L201	24061026-063A	
L202	24061026-064A	
L203	24061026-065A	
L204	24061026-066A	
L205	24061026-067A	
Columbia	24061026-068A	
R217D         7/2/2024         11:34         26.4         79.6         6.45         6,932.4         0.59         74.23         6.5         19.25         2406           R219         7/10/2024         13:41         22.6         72.6         7.36         1,729.6         0.26         38.99         -92.8         20.65         2406           SG02         7/1/2024         14:33         DTW Only         2.91         2406           XPW01         7/10/2024         13:44         17.1         62.7         12.30         9,791.7         0.07         8.17         -429.5         10.66         2406           XPW02         7/11/2024         9:25         16.6         61.8         10.12         539.9         0.10         4.00         -228.9         7.62         2406           XPW03         7/11/2024         10:04         16.4         61.6         11.52         1,420.2         0.19         8.42         -270.8         9.74         2406           XPW04         7/11/2024         9:22         17.1         62.8         11.08         7,003.7         0.09         44.84         -355.3         12.01         2406           Field Blank         7/11/2024         10:05	24061026-069A	
R219         7/10/2024         13:41         22.6         72.6         7.36         1,729.6         0.26         38.99         -92.8         20.65         2406           SG02         7/1/2024         14:33         DTW Only         2.91         2406           XPW01         7/10/2024         13:44         17.1         62.7         12:30         9,791.7         0.07         8.17         -429.5         10.66         2406           XPW02         7/11/2024         9:25         16.6         61.8         10.12         539.9         0.10         4.00         -228.9         7.62         2406           XPW03         7/11/2024         10:04         16.4         61.6         11.52         1,420.2         0.19         8.42         -270.8         9.74         2406           XPW04         7/11/2024         9:22         17.1         62.8         11.08         7,003.7         0.09         44.84         -355.3         12.01         2406           XSG01         7/1/2024         10:05         QA/QC Sample         QA/QC Sample         QA/QC Sample         QA/QC Sample         QA/QC Sample         QA/QC Sample         QA/QC Sample <td rowspan<="" td=""><td>24061026-070A</td></td>	<td>24061026-070A</td>	24061026-070A
SG02	24061026-071A	
XPW01         7/10/2024         13:44         17.1         62.7         12.30         9,791.7         0.07         8.17         -429.5         10.66         2406           XPW02         7/11/2024         9:25         16.6         61.8         10.12         539.9         0.10         4.00         -228.9         7.62         2406           XPW03         7/11/2024         10:04         16.4         61.6         11.52         1,420.2         0.19         8.42         -270.8         9.74         2406           XPW04         7/11/2024         9:22         17.1         62.8         11.08         7,003.7         0.09         44.84         -355.3         12.01         2406           XSG01         7/1/2024         12:21         DTW Only         6.73         2406           A213 Duplicate         7/2/2024         9:43         22.9         73.3         6.97         4,220.5         1.74         5.38         184.7         19.20         2406           G104 Duplicate         7/8/2024         11:46         21.2         70.1         6.76         1,324.1         0.85         201.94         138.1         7.82         2406           LREP         Unable to colle	24061026-072A	
XPW02         7/11/2024         9:25         16.6         61.8         10.12         539.9         0.10         4.00         -228.9         7.62         2406           XPW03         7/11/2024         10:04         16.4         61.6         11.52         1,420.2         0.19         8.42         -270.8         9.74         2406           XPW04         7/11/2024         9:22         17.1         62.8         11.08         7,003.7         0.09         44.84         -355.3         12.01         2406           XSG01         7/1/2024         12:21         DTW Only         6.73         2406           Field Blank         7/11/2024         10:05         QA/QC Sample         2406           A213 Duplicate         7/2/2024         9:43         22.9         73.3         6.97         4,220.5         1.74         5.38         184.7         19.20         2406           G104 Duplicate         7/8/2024         11:46         21.2         70.1         6.76         1,324.1         0.85         201.94         138.1         7.82         2406           LREP         Unable to collect sample; leachate tank inoperable         2406           R217D         7/10/2024         9:32         18.9<	24061026-073A	
XPW03         7/11/2024         10:04         16.4         61.6         11.52         1,420.2         0.19         8.42         -270.8         9.74         2406           XPW04         7/11/2024         9:22         17.1         62.8         11.08         7,003.7         0.09         44.84         -355.3         12.01         2406           XSG01         7/1/2024         12:21         DTW Only         6.73         2406           Field Blank         7/11/2024         10:05         QA/QC Sample         2406           A213 Duplicate         7/2/2024         9:43         22.9         73.3         6.97         4,220.5         1.74         5.38         184.7         19.20         2406           G104 Duplicate         7/8/2024         11:46         21.2         70.1         6.76         1,324.1         0.85         201.94         138.1         7.82         2406           Equipment Blank 1         7/11/2024         10:15         QA/QC Sample         2406           R217D         7/10/2024         9:32         18.9         66.0         6.55         3,711.1         0.40         72.18         24.1         20.63         2406	24061026-074A	
XPW04         7/11/2024         9:22         17.1         62.8         11.08         7,003.7         0.09         44.84         -355.3         12.01         2406           XSG01         7/1/2024         12:21         DTW Only         6.73         2406           Field Blank         7/11/2024         10:05         QA/QC Sample         2406           A213 Duplicate         7/2/2024         9:43         22.9         73.3         6.97         4,220.5         1.74         5.38         184.7         19.20         2406           G104 Duplicate         7/8/2024         11:46         21.2         70.1         6.76         1,324.1         0.85         201.94         138.1         7.82         2406           Equipment Blank 1         7/11/2024         10:15         QA/QC Sample         2406           LREP         Unable to collect sample; leachate tank inoperable         2406           R217D         7/10/2024         9:32         18.9         66.0         6.55         3,711.1         0.40         72.18         24.1         20.63         2406           G230         7/10/2024         10:02         15.5         60.0         7.38	24061026-075A	
XSG01	24061026-076A	
Field Blank         7/11/2024         10:05         QA/QC Sample         2406           A213 Duplicate         7/2/2024         9:43         22.9         73.3         6.97         4,220.5         1.74         5.38         184.7         19.20         2406           G104 Duplicate         7/8/2024         11:46         21.2         70.1         6.76         1,324.1         0.85         201.94         138.1         7.82         2406           Equipment Blank 1         7/11/2024         10:15         QA/QC Sample         2406           LREP         Unable to collect sample; leachate tank inoperable         2406           R217D         7/10/2024         9:32         18.9         66.0         6.55         3,711.1         0.40         72.18         24.1         20.63         2406           G230         7/10/2024         10:02         15.5         60.0         7.38         1,396.4         0.25         86.53         -88.3         49.12         2406           G221         7/10/2024         10:25         17.0         62.6         6.96         1,434.1         0.06         12.13         -77.5         26.88         2406           APW02         8/7/2024 <td< td=""><td>24061026-077A</td></td<>	24061026-077A	
A213 Duplicate         7/2/2024         9:43         22.9         73.3         6.97         4,220.5         1.74         5.38         184.7         19.20         2406           G104 Duplicate         7/8/2024         11:46         21.2         70.1         6.76         1,324.1         0.85         201.94         138.1         7.82         2406           Equipment Blank 1         7/11/2024         10:15         QA/QC Sample         2406           LREP         Unable to collect sample; leachate tank inoperable         2406           R217D         7/10/2024         9:32         18.9         66.0         6.55         3,711.1         0.40         72.18         24.1         20.63         2406           G230         7/10/2024         10:02         15.5         60.0         7.38         1,396.4         0.25         86.53         -88.3         49.12         2406           G221         7/10/2024         10:25         17.0         62.6         6.96         1,434.1         0.06         12.13         -77.5         26.88         2406           APW02         8/7/2024         13:31         18.2         64.8         6.72         4,924.1         1.64         22.89	24061026-078A	
G104 Duplicate         7/8/2024         11:46         21.2         70.1         6.76         1,324.1         0.85         201.94         138.1         7.82         2406           Equipment Blank 1         7/11/2024         10:15         QA/QC Sample         2406           LREP         Unable to collect sample; leachate tank inoperable         2406           R217D         7/10/2024         9:32         18.9         66.0         6.55         3,711.1         0.40         72.18         24.1         20.63         2406           G230         7/10/2024         10:02         15.5         60.0         7.38         1,396.4         0.25         86.53         -88.3         49.12         2406           G221         7/10/2024         10:25         17.0         62.6         6.96         1,434.1         0.06         12.13         -77.5         26.88         2406           APW02         8/7/2024         13:31         18.2         64.8         6.72         4,924.1         1.64         22.89         43.8         5.14         2406	24061026-079A	
G104 Duplicate         7/8/2024         11:46         21.2         70.1         6.76         1,324.1         0.85         201.94         138.1         7.82         2406           Equipment Blank 1         7/11/2024         10:15         QA/QC Sample         2406           LREP         Unable to collect sample; leachate tank inoperable         2406           R217D         7/10/2024         9:32         18.9         66.0         6.55         3,711.1         0.40         72.18         24.1         20.63         2406           G230         7/10/2024         10:02         15.5         60.0         7.38         1,396.4         0.25         86.53         -88.3         49.12         2406           G221         7/10/2024         10:25         17.0         62.6         6.96         1,434.1         0.06         12.13         -77.5         26.88         2406           APW02         8/7/2024         13:31         18.2         64.8         6.72         4,924.1         1.64         22.89         43.8         5.14         2406	24061026-080A	
LREP         Unable to collect sample; leachate tank inoperable         2406           R217D         7/10/2024         9:32         18.9         66.0         6.55         3,711.1         0.40         72.18         24.1         20.63         2406           G230         7/10/2024         10:02         15.5         60.0         7.38         1,396.4         0.25         86.53         -88.3         49.12         2406           G221         7/10/2024         10:25         17.0         62.6         6.96         1,434.1         0.06         12.13         -77.5         26.88         2406           APW02         8/7/2024         13:31         18.2         64.8         6.72         4,924.1         1.64         22.89         43.8         5.14         2406	24061026-082A	
R217D         7/10/2024         9:32         18.9         66.0         6.55         3,711.1         0.40         72.18         24.1         20.63         2406           G230         7/10/2024         10:02         15.5         60.0         7.38         1,396.4         0.25         86.53         -88.3         49.12         2406           G221         7/10/2024         10:25         17.0         62.6         6.96         1,434.1         0.06         12.13         -77.5         26.88         2406           APW02         8/7/2024         13:31         18.2         64.8         6.72         4,924.1         1.64         22.89         43.8         5.14         2406	24061026-083A	
R217D     7/10/2024     9:32     18.9     66.0     6.55     3,711.1     0.40     72.18     24.1     20.63     2406       G230     7/10/2024     10:02     15.5     60.0     7.38     1,396.4     0.25     86.53     -88.3     49.12     2406       G221     7/10/2024     10:25     17.0     62.6     6.96     1,434.1     0.06     12.13     -77.5     26.88     2406       APW02     8/7/2024     13:31     18.2     64.8     6.72     4,924.1     1.64     22.89     43.8     5.14     2406	24061026-086A	
G221 7/10/2024 10:25 17.0 62.6 6.96 1,434.1 0.06 12.13 -77.5 26.88 2406 APW02 8/7/2024 13:31 18.2 64.8 6.72 4,924.1 1.64 22.89 43.8 5.14 2406	24061026-087A	
APW02 8/7/2024 13:31 18.2 64.8 6.72 4,924.1 1.64 22.89 43.8 5.14 2406	24061026-088A	
	24061026-089A	
	24061026-090A	
,	24061026-091A	
	24061026-092A	
	24061026-093A	
	24061026-094A	
	24061026-095A	



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Stabilizaed Field Parameter SWAT (A) DIFFOWER PLANT, LANDFILL 2

Newton- 3Q 2024 EW-257-502

LIMS Workorder: 24061026 Technician(s): DC, JC, TC, BG, PY

Site Samping Event: NEW-3Q24

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 Sai	mple				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	19.7 67.4 6.31 3,971.9 3.08 10.14 49.3 5.99 2								
Equipment Blank 2	8/8/2024	11:13		•	•	QA/QC Sai	mple			•	24061026-105A	
Equipment Blank 3	8/7/2024	13:45		QA/QC Sample								



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

## Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2

Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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			



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2

Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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			



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2

Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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			



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2

Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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			



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms-Groundwate Quarty FB PB ANDFILL 2

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

Newton- 3Q 2024 EW-257-502

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			



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2

Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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			



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2

Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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			



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- GroundwaterQuality Parameters\_ANDFILL 2

Site Samping Event: NEW- 3Q24 LIMS Workorder: 24061026

Newton- 3Q 2024 NEW-257-502

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			



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2

Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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			



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2

Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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			



### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Groundwate Pour Brandwaters ANDFILL 2

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

Newton- 3Q 2024 EW-257-502

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			



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2

Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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			



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2

Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (μS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G208					Well una	ble to be s	sampled			



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2

Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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			



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

LIMS Workorder: 24061026 Technician(s): DC, JC, TC, BG, PY

Site Samping Event: NEW-3Q24

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			



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wate Pour Brand Field Forms- Ground Wate Pour Brand Field Forms- 3Q 2024 PEW-257-502

LIMS Workorder: 24061026 Technician(s): DC, JC, TC, BG, PY

Site Samping Event: NEW-3Q24

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			



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wate Pour Brand Field Forms- Ground Wate Pour Brand Field Forms- 3Q 2024 PEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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			



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

LIMS Workorder: 24061026 Technician(s): DC, JC, TC, BG, PY

Site Samping Event: NEW-3Q24

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			



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

LIMS Workorder: 24061026 Technician(s): DC, JC, TC, BG, PY

Site Samping Event: NEW-3Q24

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			



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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
		1					,			
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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Groundwater Quanty Parameters ANDFILL 2

Technician(s): DC, JC, TC, BG, PY

Site Samping Event: NEW-3Q24

LIMS Workorder: 24061026

Well ID Temp (°C) Date Time DTW Temp (°F) pH (SU) Sp Cond (μS/cm) ODO (mg/L) Turbidity (NTU) ORP (mV) 7/1/2024 2.91 SG02 DTW Only 14:33

Newton- 3Q 2024 EW-257-502



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wate Pour Brand Field Forms- Ground Wate Pour Brand Field Forms- 3Q 2024 PEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

Technician(	s):	DC,	JC,	TC,	BG,	PΥ

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			



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Groundwater Dan Property Part Helidis AND CONNECTIVE ACT

Site Samping Event: NEW- 3Q24 LIMS Workorder: 24061026

Technician(s): DC, JC, TC, BG, PY

 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

Newton- 3Q 2024 EW-257-502



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

LIMS Workorder: 24061026 Technician(s): DC, JC, TC, BG, PY

Site Samping Event: NEW-3Q24

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			



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2

Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (μS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
LREP				Unab	le to collect sam	ple; leach	ate tank inoperable	l.		



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wate Pour Brand Field Forms- Ground Wate Pour Brand Field Forms- 3Q 2024 PEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2

Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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
	I	Nell went	dry after p	orior read; reched	cked DTW on 8/	8, no rech	arge; no sample col	lected		



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wate Pour Brand Field Forms- Ground Wate Pour Brand Field Forms- 3Q 2024 PEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wate Pour Brand Field Forms- Ground Wate Pour Brand Field Forms- 3Q 2024 PEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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				C	QA/QC Sample			



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

# Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2 Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wild EPQUERNY Parameters ANDFILL 2

Newton- 3Q 202 NEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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				C	QA/QC Sample			



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Groundwater Sampling Field Forms- Ground Wate Pour Brand Field Forms- Ground Wate Pour Brand Field Forms- 3Q 2024 PEW-257-502

Site Samping Event: NEW-3Q24 LIMS Workorder: 24061026

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				C	QA/QC Sample			



#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Field Calibration Log(S)/VTON POWER PLANT, LANDFILL 2

Newton- 3Q 2024 NEW-257-502

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

230830B	ading Part	Date/Time 7/2/24 9:10 7/2/24 9:06 7/2/24 9:16  Date/Time  Temp. °C 21.7 23.6	<b>pH</b> S.U. 7.07	Conductivity Standard  1,412 µS Std.  Turbidity Standard  0 NTU (DI Water)  124 NTU  D.O. Saturation  100%  Conductivity  µS  1,413	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity NTU	Reading  1412  Reading  Reading  ORP  mV	Date/Time 7/2/24 9:27 Date/Time Date/Time D.O. %
240307F 7. 230619B 10 231207A  S ID/Lot# Rea  ple Type Date  LCS 7/2/2	7.01 0.04 ading	7/2/24 9:06 7/2/24 9:16  Date/Time  Temp. °C 21.7	S.U. 7.07	Turbidity Standard  0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity  µS	LIMS ID  1 95834  LIMS ID/Lot# N/A  Turbidity NTU	Reading  Reading  ORP	Date/Time  Date/Time
230619B 10 231207A Rea S ID/Lot# Rea ple Type Date LCS 7/2/2	ading  e/Time  24 9:28	7/2/24 9:16  Date/Time  Temp. °C  21.7	S.U. 7.07	O NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity μS	1 95834  LIMS ID/Lot# N/A  Turbidity NTU	Reading	Date/Time
S ID/Lot# Rea	ading  e/Time  24 9:28	Temp. °C 21.7	S.U. 7.07	O NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity μS	1 95834  LIMS ID/Lot# N/A  Turbidity NTU	Reading	Date/Time
s ID/Lot# Rea	<b>e/Time</b> 24 9:28	<b>Temp.</b> °C 21.7	S.U. 7.07	D.O. Saturation 100%  Conductivity  µS	95834  LIMS ID/Lot# N/A  Turbidity NTU	ORP	D.O.
s ID/Lot# Rea	<b>e/Time</b> 24 9:28	<b>Temp.</b> °C 21.7	S.U. 7.07	D.O. Saturation 100%  Conductivity  µS	N/A  Turbidity  NTU	ORP	D.O.
ple Type Date LCS 7/2/2	<b>e/Time</b> 24 9:28	<b>Temp.</b> °C 21.7	S.U. 7.07	Conductivity µS	N/A  Turbidity  NTU	ORP	D.O.
LCS 7/2/2	24 9:28	°C 21.7	S.U. 7.07	<b>Conductivity</b> μS	<b>Turbidity</b> NTU	_	
LCS 7/2/2	24 9:28	°C 21.7	S.U. 7.07	μS	NTU	_	
LCS 7/2/2	24 9:28	21.7	7.07	· ·		mV	%
				1,413	4 55	I	
ccv 7/2/2	24 14:49	23.6		1	1.55		
			7.09	1,435	1.89		
Pine 218083		Technician(s):	Trac	ov Carroll	Date:	7/9	2/2024
Fille 210003	<u>'</u>		mac	y Carron	Date		/2024
MS ID Calibration	on reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
230830B 4.	1.00	7/8/24 11:02		1,412 μS Std.	95009	1412	7/8/24 11:1
240307F 7.	7.01	7/8/24 11:00		_	•		
230619B 10	0.00	7/8/24 11:03		Turbidity Standard	LIMS ID	Reading	Date/Time
231207A				0 NTU (DI Water)			
				124 NTU	95834		
					LINAC ID /I -+/'	Reading	Date/Time
ID/Lot# Pes	ading	Date/Time		D O Saturation			
S ID/Lot# Rea	ading	Date/Time		D.O. Saturation	LIMS ID/Lot# N/A	reauiig	Date/ Time
S ID/Lot# Rea	ading	Date/Time		D.O. Saturation	N/A	reauiiig	Date/ IIme
		Date/Time Temp.	рН			ORP	Date/Time
	ading		<b>pH</b> S.U.	100%	N/A		-
ple Type Date		Temp.		100% Conductivity	N/A Turbidity	ORP	D.O.
M 23 24	S ID Calibrati 0830B 4 0307F 7 0619B 1	0830B 4.00 0307F 7.01 0619B 10.00	S ID Calibration reading Date/Time 0830B 4.00 7/8/24 11:02 0307F 7.01 7/8/24 11:00 0619B 10.00 7/8/24 11:03	S ID Calibration reading Date/Time 0830B 4.00 7/8/24 11:02 0307F 7.01 7/8/24 11:00 0619B 10.00 7/8/24 11:03	S ID         Calibration reading         Date/Time         Conductivity Standard           0830B         4.00         7/8/24 11:02         1,412 µS Std.           0307F         7.01         7/8/24 11:00         Turbidity Standard           0619B         10.00         7/8/24 11:03         Turbidity Standard           1207A         0 NTU (DI Water)	S ID         Calibration reading         Date/Time         Conductivity Standard         LIMS ID           0830B         4.00         7/8/24 11:02         1,412 μS Std.         95009           0307F         7.01         7/8/24 11:00         Turbidity Standard         LIMS ID           0619B         10.00         7/8/24 11:03         Turbidity Standard         LIMS ID           1207A         0 NTU (DI Water)         1	S ID         Calibration reading         Date/Time         Conductivity Standard         LIMS ID         Reading           0830B         4.00         7/8/24 11:02         1,412 μS std.         95009         1412           03307F         7.01         7/8/24 11:00         7/8/24 11:00         Turbidity Standard         LIMS ID         Reading           1207A         0 NTU (DI Water)         1         1         1

Site Samping Event: NEW-3Q24

#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Field Calibration Log(S)WTON POWER PLANT, LANDFILL 2

Newton- 3Q 2024 NEW-257-502

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

-	Pine	218083	Technician(s):	Trac	y Carroll	Date:	7/9	9/2024
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	WC230830B	4.00	7/9/24 8:57		1,412 μS Std.	95009	1412	7/9/24 9:01
7.0 Buffer	WC240307F	7.00	7/9/24 8:50					
10.0 Buffer	WC230619B	10.00	7/9/24 8:58		<b>Turbidity Standard</b>	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	WC231207A				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
L					100%	N/A		
Sample ID	Sample Type	Date/Time	Temp.	рН	Conductivity	Turbidity	ORP	D.O.
Sumple 15	Sample Type	Dute, Time	°C	S.U.	μS	NTU	mV	%
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		
Field Meter ID:	Pine	218083	Technician(s):	Trac	v Carroll	Date:	7/1	0/2024
			• • • •	1140	y Curron	Date.	//1	.0/2024
pH Standards	LIMS ID	Calibration reading	Date/Time			LIMS ID		0/2024 Date/Time
pH Standards 4.0 Buffer	LIMS ID WC230830B		Date/Time 7/10/24 9:15		Conductivity Standard 1,412 µS Std.		Reading 1412	
		Calibration reading			Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	WC230830B	Calibration reading 4.00	7/10/24 9:15		Conductivity Standard 1,412 µS Std.	LIMS ID	Reading	Date/Time
4.0 Buffer 7.0 Buffer 10.0 Buffer	WC230830B WC240307F	Calibration reading 4.00 7.01	7/10/24 9:15 7/10/24 9:14		Conductivity Standard 1,412 μS Std. Turbidity Standard 0 NTU (DI Water)	LIMS ID 95009 LIMS ID	Reading 1412	Date/Time 7/10/24 9:20
4.0 Buffer 7.0 Buffer	WC230830B WC240307F WC230619B	Calibration reading 4.00 7.01	7/10/24 9:15 7/10/24 9:14		Conductivity Standard 1,412 µS Std.	LIMS ID 95009 LIMS ID	Reading 1412	Date/Time 7/10/24 9:20
4.0 Buffer 7.0 Buffer 10.0 Buffer	WC230830B WC240307F WC230619B	Calibration reading 4.00 7.01	7/10/24 9:15 7/10/24 9:14		Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU D.O. Saturation	LIMS ID 95009 LIMS ID	Reading 1412	Date/Time 7/10/24 9:20
4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	WC230830B WC240307F WC230619B WC231207A	Calibration reading 4.00 7.01 10.01	7/10/24 9:15 7/10/24 9:14 7/10/24 9:17		Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU	LIMS ID 95009 LIMS ID 1 95834	Reading 1412 Reading	Date/Time 7/10/24 9:20 Date/Time
4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer) ORP Standard	WC230830B WC240307F WC230619B WC231207A	Calibration reading	7/10/24 9:15 7/10/24 9:14 7/10/24 9:17		Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU D.O. Saturation	LIMS ID 95009 LIMS ID 1 95834 LIMS ID/Lot#	Reading 1412 Reading	Date/Time 7/10/24 9:20 Date/Time
4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	WC230830B WC240307F WC230619B WC231207A	Calibration reading 4.00 7.01 10.01	7/10/24 9:15 7/10/24 9:14 7/10/24 9:17 Date/Time		Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A	Reading 1412 Reading Reading	Date/Time 7/10/24 9:20 Date/Time  Date/Time
4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer) ORP Standard	WC230830B WC240307F WC230619B WC231207A	Calibration reading	7/10/24 9:15 7/10/24 9:14 7/10/24 9:17 Date/Time	рн	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity	Reading 1412 Reading Reading ORP	Date/Time 7/10/24 9:20 Date/Time Date/Time
4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard  Sample ID	WC230830B WC240307F WC230619B WC231207A LIMS ID/Lot#	Calibration reading 4.00 7.01 10.01  Reading  Date/Time	7/10/24 9:15 7/10/24 9:14 7/10/24 9:17  Date/Time  Temp. °C	<b>pH</b> S.U.	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity NTU	Reading 1412 Reading Reading ORP	Date/Time 7/10/24 9:20 Date/Time Date/Time
4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard  Sample ID  LCS-4	WC230830B WC240307F WC230619B WC231207A LIMS ID/Lot#  Sample Type LCS	Calibration reading 4.00 7.01 10.01  Reading  Date/Time 7/10/24 9:21	7/10/24 9:15 7/10/24 9:14 7/10/24 9:17  Date/Time  Temp. °C 20.5	<b>pH</b> S.U. 7.03	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS 1,413	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity NTU 1.02	Reading 1412 Reading Reading ORP	Date/Time 7/10/24 9:20 Date/Time  Date/Time

Site Samping Event: NEW-3Q24

#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Field Calibration Log(S)/VTON POWER PLANT, LANDFILL 2

1,455

1.88

Newton- 3Q 2024 NEW-257-502

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:	7/1	1/2024
pH Standards	LIMS ID	Calibration reading	Date/Time	C	onductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	WC230830B	4.00	7/11/24 8:35		1,412 μS Std.	95009	1412	7/11/24 8:44
7.0 Buffer	WC240307F	7.01	7/11/24 8:32					
10.0 Buffer	WC230619B	10.01	7/11/24 8:36		<b>Turbidity Standard</b>	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	WC231207A				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		
•				•	•			
Commis ID	Canada Tona	Date/Time	Temp.	pН	Conductivity	Turbidity	ORP	D.O.
Sample ID	Sample Type	Date/Time	°C	S.U.	μS	NTU	mV	%
LCS-5	LCS	7/11/24 8:44	24.4	7.01	1,411	1.44		

Comments:

7.06

25.3

CCV-5

Site Samping Event: NEW-3Q24

LIMS Workorder: 24061026 Technician(s): DC, JC, TC, BG, PY

7/11/24 12:22

ccv

#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Field Calibration Log(S)/VTON POWER PLANT, LANDFILL 2

Newton- 3Q 2024 NEW-257-502

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

	Tille	211368	Technician(s):	Just	tin Colp	Date:	7/2	2/2024
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	wc230830b	4.01	7/2/24 8:54		1,412 μS Std.	95009	1413	7/2/24 9:04
7.0 Buffer	wc240307f	7.01	7/2/24 8:52					
10.0 Buffer	wc240521b	10.00	7/2/24 8:57		Turbidity Standard	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	wc231207a				0 NTU (DI Water)	1	0.91	7/2/24 9:04
					124 NTU	95834		1,2,210101
ORP Standard	LIMS ID/Lot#	Reading	Date/Time		D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
[					100%	N/A		
Committe ID	Canada Tana	Data /Time	Temp.	рН	Conductivity	Turbidity	ORP	D.O.
Sample ID	Sample Type	Date/Time	°C .	S.U.	μS	NTU	mV	%
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		
								_
Field Meter ID:	Pine	51294	Technician(s):	just	tin colp	Date:	7/8	8/2024
-			_			-		
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
<b>pH Standards</b> 4.0 Buffer	LIMS ID wc230830b	Calibration reading 4.00	Date/Time 7/8/24 10:20			-		Date/Time
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
<b>pH Standards</b> 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc230830b wc240307f	Calibration reading 4.00 6.99	Date/Time 7/8/24 10:20 7/8/24 10:16		Conductivity Standard 1,412 μS Std.	LIMS ID 95009	Reading 1413	Date/Time 7/8/24 10:31 Date/Time
<b>pH Standards</b> 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc230830b wc240307f wc240521b	Calibration reading 4.00 6.99	Date/Time 7/8/24 10:20 7/8/24 10:16		Conductivity Standard 1,412 µS Std.	LIMS ID 95009 LIMS ID	Reading 1413 Reading	Date/Time 7/8/24 10:31
<b>pH Standards</b> 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc230830b wc240307f wc240521b	Calibration reading 4.00 6.99	Date/Time 7/8/24 10:20 7/8/24 10:16		Conductivity Standard 1,412 μS Std. [ Turbidity Standard 0 NTU (DI Water)	LIMS ID 95009 LIMS ID	Reading 1413 Reading	Date/Time 7/8/24 10:31 Date/Time
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	LIMS ID wc230830b wc240307f wc240521b wc231207a	Calibration reading 4.00 6.99 9.98	Date/Time 7/8/24 10:20 7/8/24 10:16 7/8/24 10:25		Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU	LIMS ID 95009 LIMS ID 1 95834	Reading 1413 Reading 0.86	Date/Time 7/8/24 10:31 Date/Time 7/8/24 10:31
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	LIMS ID wc230830b wc240307f wc240521b wc231207a	Calibration reading 4.00 6.99 9.98	Date/Time 7/8/24 10:20 7/8/24 10:16 7/8/24 10:25		Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation	LIMS ID 95009 LIMS ID 1 95834 LIMS ID/Lot#	Reading 1413 Reading 0.86	Date/Time 7/8/24 10:31 Date/Time 7/8/24 10:31
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer) ORP Standard	LIMS ID wc230830b wc240307f wc240521b wc231207a	Calibration reading 4.00 6.99 9.98 Reading	Date/Time 7/8/24 10:20 7/8/24 10:16 7/8/24 10:25  Date/Time  Temp.	рН	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity	Reading 1413 Reading 0.86 Reading	Date/Time 7/8/24 10:31  Date/Time 7/8/24 10:31  Date/Time  Date/Time
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard  Sample ID	LIMS ID wc230830b wc240307f wc240521b wc231207a LIMS ID/Lot#	Calibration reading 4.00 6.99 9.98  Reading  Date/Time	Date/Time 7/8/24 10:20 7/8/24 10:16 7/8/24 10:25  Date/Time  Temp. °C	<b>pH</b> S.U.	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity NTU	Reading 1413 Reading 0.86 Reading	Date/Time 7/8/24 10:31  Date/Time 7/8/24 10:31  Date/Time  Date/Time

Site Samping Event: NEW-3Q24

#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Field Calibration Log(S)/VTON POWER PLANT, LANDFILL 2

Newton- 3Q 2024 NEW-257-502

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):	jus	tin colp	Date:	7/	9/2024
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	wc230830b	3.98	7/9/24 8:16		1,412 μS Std.	95009	1416	7/9/24 8:33
7.0 Buffer	wc240307f	7.00	7/9/24 8:09					
10.0 Buffer	wc240521b	9.99	7/9/24 8:23		<b>Turbidity Standard</b>	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	wc231207a				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		,
			Temp.	рН	Conductivity	Turbidity	ORP	D.O.
Sample ID	Sample Type	Date/Time	°C	S.U.	μS	NTU	mV	%
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		
Field Meter ID:	Pine	: 51294	Technician(s):	jus	tin colp	Date:	7/1	0/2024
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	wc230830b	4.01	7/10/24 8:16		1,412 μS Std.	95009	1411	7/10/24 8:27
7.0 Buffer	wc240307f	7.00	7/10/24 8:12		, , ,			
10.0 Buffer	wc240521b	9.99	7/10/24 8:20		Turbidity Standard	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	wc231207a				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
OKP Standard	LIIVIS ID/LOL#	Reading	Date/Time		100%	N/A	Reading	Date/Time
L		I I				.,,		
Sample ID	Sample Type	Date/Time	Temp.	рН	Conductivity	Turbidity	ORP	D.O.
Sample 1D	Sample Type	Date/Time	°C	S.U.	μS	NTU	mV	%
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

#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Field Calibration Log(S)/VTON POWER PLANT, LANDFILL 2

Newton- 3Q 2024 NEW-257-502

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):	justir	n colp	Date:	7/1	.1/2024
pH Standards	LIMS ID	Calibration reading	Date/Time	C	onductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	wc230830b	4.02	7/11/24 8:11		1,412 μS Std.	95009	1409	7/11/24 8:20
7.0 Buffer	wc240307f	6.99	7/11/24 8:08		•			
10.0 Buffer	wc240521b	9.99	7/11/24 8:15		<b>Turbidity Standard</b>	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	wc231207a				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# N/A	Reading	Date/Time
					[	.,,		
Sample ID	Sample Type	Date/Time	<b>Temp.</b> °C	<b>pH</b> S.U.	<b>Conductivity</b> μS	<b>Turbidity</b> NTU	<b>ORP</b> 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

#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Field Calibration Log(S)/VTON POWER PLANT, LANDFILL 2

Newton- 3Q 2024 NEW-257-502

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:	7/3	2/2024
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	WC230830B	3.99	7/2/24 8:52		1,412 μS Std.	95009	1415	7/2/24 8:59
7.0 Buffer	WC24307F	7.01	7/2/24 8:48		, , ,			
10.0 Buffer	WC240521B	10.02	7/2/24 8:56		Turbidity Standard	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	WC231207A				0 NTU (DI Water)	1	1.5	7/2/24 9:01
•			<u> </u>		124 NTU	95834		
ORP Standard	LIMS ID/Lot#	Reading	Date/Time		D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
					100%	N/A		
			Temp.	pН	Conductivity	Turbidity	ORP	D.O.
Sample ID	Sample Type	Date/Time	°C	S.U.	μS	NTU	mV	%
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	3/2024
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	WC230830B	3.99	7/8/24 10:29		1,412 μS Std.	95009	1417	7/8/24 10:39
7.0 Buffer	WC24307F	7.02	7/8/24 10:22		•	•		
10.0 Buffer	WC240521B	10.01	7/8/24 10:36		<b>Turbidity Standard</b>	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	WC231207A				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		·
			Tomn	nU	Conductivity	Turbidity	ORP	D.O.
Sample ID	Sample Type	Date/Time	<b>Temp.</b> °C	<b>pH</b> S.U.	μS	NTU	mV	D.O. %
LCS-2	LCS	7/8/24 10:50	24.76	7.01	1,417	1.6		70
		7/8/24 10.30						
CCV-2	ccv	7/8/24 10:30	26.76	7.02	1,417	1.6		
	ccv		26.76	7.02	1,417	1.6		
Comments:	ccv		26.76	7.02	1,417	1.6		
	ccv		26.76	7.02	1,417	1.6		

Site Samping Event: NEW-3Q24

#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

### Field Calibration Log(S)/VTON POWER PLANT, LANDFILL 2

Newton- 3Q 2024 NEW-257-502

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):	Bret	t Gillihan	Date:	//	9/2024
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	WC230830B	4.02	7/9/24 13:33		1,412 μS Std.	95009	1413	7/9/24 8:37
7.0 Buffer	WC24307F	7.00	7/9/24 8:18			•		
10.0 Buffer	WC240521B	9.98	7/9/24 8:31		<b>Turbidity Standard</b>	LIMS ID	Reading	Date/Time
.CS/CCV (7.0 Buffer)	WC231207A				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.	рН	Conductivity	Turbidity	ORP	D.O.
Sumple 15	Sumple Type	Zute, IIIIe	°C	S.U.	μS	NTU	mV	%
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: _								
	Pine	45720	Technician(s):	Bret	t Gillihan	Date: _	7/1	0/2024
	LIMS ID	Calibration reading	Date/Time	Bret	Conductivity Standard	LIMS ID	Reading	Date/Time
Field Meter ID:	LIMS ID WC230830B	Calibration reading 4.00	Date/Time 7/10/24 8:31	Bret		<del>-</del>		
Field Meter ID: _ pH Standards 4.0 Buffer 7.0 Buffer	LIMS ID WC230830B WC24307F	Calibration reading 4.00 7.02	Date/Time 7/10/24 8:31 7/10/24 8:26	Bret	Conductivity Standard 1,412 μS Std.	LIMS ID 95009	Reading 1412	Date/Time 7/10/24 8:4
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID WC230830B WC24307F WC240521B	Calibration reading 4.00	Date/Time 7/10/24 8:31	Bret	Conductivity Standard 1,412 µS Std.	LIMS ID 95009	Reading 1412 Reading	Date/Time 7/10/24 8:4 Date/Time
Field Meter ID: pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID WC230830B WC24307F	Calibration reading 4.00 7.02	Date/Time 7/10/24 8:31 7/10/24 8:26	Bret	Conductivity Standard 1,412 μS Std.	LIMS ID 95009	Reading 1412	Date/Time 7/10/24 8:4 Date/Time
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID WC230830B WC24307F WC240521B	Calibration reading 4.00 7.02	Date/Time 7/10/24 8:31 7/10/24 8:26	Bret	Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water)	LIMS ID 95009 LIMS ID	Reading 1412 Reading	Date/Time
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer CS/CCV (7.0 Buffer)	LIMS ID WC230830B WC24307F WC240521B WC231207A	Calibration reading 4.00 7.02 10.00	Date/Time 7/10/24 8:31 7/10/24 8:26 7/10/24 8:35	Bret	Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU	LIMS ID 95009 LIMS ID 1 95834	Reading 1412 Reading 1.5	Date/Time 7/10/24 8:4 Date/Time 7/10/24 8:5
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer CS/CCV (7.0 Buffer)  ORP Standard	LIMS ID WC230830B WC24307F WC240521B WC231207A LIMS ID/Lot#	Calibration reading 4.00 7.02 10.00  Reading	Date/Time 7/10/24 8:31 7/10/24 8:26 7/10/24 8:35	Bret	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot#	Reading 1412 Reading 1.5	Date/Time 7/10/24 8:4 Date/Time 7/10/24 8:5
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer CS/CCV (7.0 Buffer)	LIMS ID WC230830B WC24307F WC240521B WC231207A	Calibration reading 4.00 7.02 10.00	Date/Time 7/10/24 8:31 7/10/24 8:26 7/10/24 8:35  Date/Time		Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU D.O. Saturation 100%	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot#  N/A	Reading 1412 Reading 1.5	Date/Time 7/10/24 8:4  Date/Time 7/10/24 8:5
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer CS/CCV (7.0 Buffer)  ORP Standard	LIMS ID WC230830B WC24307F WC240521B WC231207A LIMS ID/Lot#	Calibration reading 4.00 7.02 10.00  Reading	Date/Time 7/10/24 8:31 7/10/24 8:26 7/10/24 8:35  Date/Time  Temp.	рН	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity	Reading 1412 Reading 1.5 Reading ORP	Date/Time 7/10/24 8:4  Date/Time 7/10/24 8:5
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer .CS/CCV (7.0 Buffer)  ORP Standard  Sample ID	LIMS ID WC230830B WC24307F WC240521B WC231207A LIMS ID/Lot#  Sample Type	Calibration reading 4.00 7.02 10.00  Reading  Date/Time	Date/Time 7/10/24 8:31 7/10/24 8:26 7/10/24 8:35  Date/Time  Temp. °C	pH S.U.	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity NTU	Reading 1412 Reading 1.5 Reading ORP	Date/Time 7/10/24 8:4  Date/Time 7/10/24 8:5
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard  Sample ID  LCS-4	LIMS ID WC230830B WC24057F WC240521B WC231207A LIMS ID/Lot#  Sample Type LCS	Calibration reading 4.00 7.02 10.00  Reading  Date/Time 7/10/24 8:55	Date/Time 7/10/24 8:31 7/10/24 8:26 7/10/24 8:35  Date/Time  Temp. °C 23.07	<b>рн</b> S.U. 7.02	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS 1,412	LIMS ID 95009  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity NTU 1.5	Reading 1412 Reading 1.5 Reading ORP	Date/Time 7/10/24 8:4  Date/Time 7/10/24 8:5

Site Samping Event: NEW-3Q24

### APPENDIX A.

#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Field Calibration Log(S)/VTON POWER PLANT, LANDFILL 2

Newton- 3Q 2024 NEW-257-502

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	e 45720	Technician(s):	Brett Gillihan	Date:	7/1	11/2024
pH Standards	LIMS ID	Calibration reading	Date/Time	Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	WC230830B	4.01	7/11/24 8:46	1,412 μS Std.	950059	1416	7/11/24 8:50
7.0 Buffer	WC24307F	6.99	7/11/24 8:41				
10.0 Buffer	WC240521B	10.03	7/11/24 8:49	Turbidity Standard	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	WC231207A			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		
_		•		•			
			-		- 1:1:	000	

Sample ID	Sample Type	Date/Time	<b>Temp.</b> °C	<b>pH</b> S.U.	Conductivity µS	<b>Turbidity</b> NTU	<b>ORP</b> 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): DC, JC, TC, BG, PY

### APPENDIX A.

#### ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Field Calibration Log(S)/VTON POWER PLANT, LANDFILL 2

Newton- 3Q 2024 NEW-257-502

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):	jus	tin colp	Date:	8/7	//2024
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	wc240612a	4.00	8/7/24 10:04		1,412 μS Std.	98627	1411	8/7/24 10:10
7.0 Buffer	wc231207a	6.99	8/7/24 9:55			•		
10.0 Buffer	wc240625b	10.00	8/7/24 10:05		<b>Turbidity Standard</b>	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	wc231207a				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		
			Temp.	рН	Conductivity	Turbidity	ORP	D.O.
Sample ID	Sample Type	Date/Time	°C .	S.U.	μS	NTU	mV	%
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		
Field Meter ID:	Pine	218074	Technician(s):	ius	tin colp	Date:	8/8	8/2024
_		218074	· <del>-</del>	jus	tin colp	Date: _	8/8	
pH Standards	LIMS ID	Calibration reading	Date/Time	jus	Conductivity Standard	LIMS ID	Reading	Date/Time
<b>pH Standards</b> 4.0 Buffer	LIMS ID wc240612a	Calibration reading 3.98	Date/Time 8/8/24 8:37	jus	·	_		Date/Time
<b>pH Standards</b> 4.0 Buffer 7.0 Buffer	LIMS ID wc240612a wc231207a	Calibration reading 3.98 7.00	Date/Time 8/8/24 8:37 8/8/24 8:33	jus	Conductivity Standard 1,412 μS Std.	LIMS ID 98627	Reading 1412	Date/Time 8/7/24 8:44
<b>pH Standards</b> 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc240612a wc231207a wc240625b	Calibration reading 3.98	Date/Time 8/8/24 8:37	jus	Conductivity Standard 1,412 µS Std.	LIMS ID 98627	Reading 1412 Reading	Date/Time 8/7/24 8:44 Date/Time
<b>pH Standards</b> 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc240612a wc231207a	Calibration reading 3.98 7.00	Date/Time 8/8/24 8:37 8/8/24 8:33	jus	Conductivity Standard 1,412 μS Std.	LIMS ID 98627	Reading 1412	Date/Time 8/7/24 8:44 Date/Time
<b>pH Standards</b> 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc240612a wc231207a wc240625b	Calibration reading 3.98 7.00	Date/Time 8/8/24 8:37 8/8/24 8:33	jus	Conductivity Standard 1,412 µS Std. [ Turbidity Standard 0 NTU (DI Water)	LIMS ID 98627  LIMS ID 1	Reading 1412 Reading	Date/Time 8/7/24 8:44
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	LIMS ID wc240612a wc231207a wc240625b wc231207a	Calibration reading 3.98 7.00 9.98	Date/Time 8/8/24 8:37 8/8/24 8:33 8/8/24 8:41	jus	Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU	LIMS ID 98627  LIMS ID 1 95834	Reading 1412 Reading 0.51	Date/Time 8/7/24 8:44 Date/Time 8/8/24 8:48
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer) ORP Standard	LIMS ID wc240612a wc231207a wc240625b wc231207a	Calibration reading 3.98 7.00 9.98  Reading	Date/Time  8/8/24 8:37  8/8/24 8:33  8/8/24 8:41  Date/Time  Temp.	jus	Conductivity Standard 1,412 µ5 Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation	LIMS ID 98627  LIMS ID 1 95834  LIMS ID/Lot#	Reading 1412 Reading 0.51	Date/Time 8/7/24 8:44 Date/Time 8/8/24 8:48
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	LIMS ID wc240612a wc231207a wc240625b wc231207a	Calibration reading 3.98 7.00 9.98	Date/Time 8/8/24 8:37 8/8/24 8:33 8/8/24 8:41 Date/Time	·	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%	LIMS ID 98627  LIMS ID 1 95834  LIMS ID/Lot# N/A	Reading 1412 Reading 0.51	Date/Time 8/7/24 8:44  Date/Time 8/8/24 8:48  Date/Time
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer) ORP Standard	LIMS ID wc240612a wc231207a wc240625b wc231207a	Calibration reading 3.98 7.00 9.98  Reading	Date/Time  8/8/24 8:37  8/8/24 8:33  8/8/24 8:41  Date/Time  Temp.	рн	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity	LIMS ID 98627  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity	Reading 1412 Reading 0.51 Reading	Date/Time 8/7/24 8:44  Date/Time 8/8/24 8:48  Date/Time
pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard  Sample ID	LIMS ID wc240612a wc231207a wc240625b wc231207a LIMS ID/Lot#	Calibration reading 3.98 7.00 9.98  Reading  Date/Time	Date/Time  8/8/24 8:37  8/8/24 8:33  8/8/24 8:41  Date/Time  Temp. °C	pH S.U.	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS	LIMS ID 98627  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity NTU	Reading 1412 Reading 0.51 Reading	Date/Time 8/7/24 8:44 Date/Time 8/8/24 8:48 Date/Time

Site Samping Event: NEW-3Q24

LIMS Workorder: 24061026 Technician(s): JC, BG, PY

### APPENDIX A.

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Field Calibration Log(S)WTON POWER PLANT, LANDFILL 2

Newton- 3Q 2024 NEW-257-502

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:	8/1	7/2024
pH Standards	LIMS ID	Calibration reading	Date/Time	Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	WC240612A	4.01	8/7/24 9:14	1,412 μS Std.	98627	1391	8/7/24 9:26
7.0 Buffer	WC240307F	7.00	8/7/24 9:18	<u> </u>			
10.0 Buffer	WC240625B	9.99	8/7/24 9:22	Turbidity Standard	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	WC231207A			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		
Cample ID	Cample Tune	Data/Time	Temp.	pH Conductivity	Turbidity	ORP	D.O.

Sample ID	Sample Type	Date/Time	<b>Temp.</b> °C	<b>pH</b> S.U.	<b>Conductivity</b> μS	<b>Turbidity</b> NTU	<b>ORP</b> 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:			
·-			

Site Samping Event: NEW-3Q24

LIMS Workorder: 24061026 Technician(s): JC, BG, PY

# 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 23F102674

Number

Location St. Louis

Department

State Certified

Status Pass

Temp °C 22.2

		Calib	ration Specific	ations			
Group N	oup # 1 Name PH Accy Pet of Re	eading		Range Acc % Reading Acc % Plus/Minus	3.0000		
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 I	oup # 2 Name Turbidit Accy Pct of R			Range Acc % Reading Acc % Plus/Minus	3,0000		
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 1	oup # 3 Name Conduct Accy Pct of R			Range Acc % Reading Acc % Plus/Minus	3.0000		
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 N	oup # 4 Name Redox (C			Range Acc % Reading Acc % Plus/Minus	3.0000		
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 N	up# 5 ame Dissolved Accy Pct of Re	d Oxygen Span eading		Range Acc % Reading Acc % Plus/Minus	3.0000		
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fa

APPENDIX A ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, LANDFILL 2 NEW-257-502

### 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 19E101794

Number

Location St. Louis

Department

State Certified

Status Pass

Temp °C 22.2

		Calib	ration Specific	ations			
Group N	oup # 1 Name PH Accy Pet of Re	eading		Range Acc % Reading Acc % Plus/Minus	3.0000		
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 I	oup # 2 Name Turbidity Accy Pct of Re			Range Acc % Reading Acc % Plus/Minus	3.0000		
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
	oup # 3 Name Conduct	ivity		Range Acc % Reading Acc %			
Stated	Accy Pct of Re	eading		Plus/Minus			
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 I	oup# 4 Name Redox (0			Range Acc % Reading Acc %			
Stated	Accy Pct of Re	eading		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 N	oup # 5 Name Disolved Accy Pct of Re			Range Acc % Reading Acc % Plus/Minus	3.0000		
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

# 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 21D103486

Number

Location St. Louis

Department

State Certified

Status Pass

Temp °C 22.2

		Calib	ration Specific	ations			
Group I	oup # 1 Name PH Accy Pct of Re	eading		Range Acc % Reading Acc % Plus/Minus	3.0000		
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fai
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	oup # 2 Name Turbidity Accy Pct of R			Range Acc % Reading Acc % Plus/Minus	3.0000		
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	oup # 3 Name Conduct Accy Pct of R	, and a second		Range Acc % Reading Acc % Plus/Minus	3.0000		
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 I	oup # 4 Name Redox (0 Accy Pct of Ro			Range Acc % Reading Acc % Plus/Minus	3.0000		
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
	oup # 5 Name Dissolve	d Oxygen Span		Range Acc % Reading Acc %			
	Accy Pct of Re			Plus/Minus			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fai

### 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 19E101797

Number

Location St. Louis

Department

**State Certified** 

Status Pass

Temp °C 22.2

Departme							
		Calib	ration Specific	ations			
	oup# 1 Name PH			Range Acc %			
				Reading Acc %			
Stated.	Accy Pct of Re	eading		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
Gro	oup # 2			Range Acc %	0.0000		
	Name Turbidity	y		Reading Acc %			
	Accy Pct of Re	•		Plus/Minus			
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
Cuo	# 2			Danca A 0/	0.0000		
	up # 3  Name Conducti	ivity.		Range Acc % Reading Acc %			
	Accy Pct of Re	•		Plus/Minus			
	•		0				
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
Gro	up # 4			Range Acc %	0.0000		
Group N	Name Redox (C	ORP)		Reading Acc %	3.0000		
Stated A	Accy Pct of Re	eading		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
Gro	up # 5			Range Acc %	0.0000		
	lame Disolved	Oxygen Span		Reading Acc %			
	Accy Pct of Re			Plus/Minus			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
TOTH III VAL / III VAL	ти туре	<u>Out vai</u>	Out Type	FIIU AS	LILAS	Dev 70	1 455/F all

### 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

	oup # 5 Name Disolved	Oxygen Span		Range Acc % Reading Acc %			
Stated.	Accy Pct of Re	eading		Plus/Minus	0.0		1
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 Calibr	ation			(As Of Cal Entry Date)
Test Standard ID	<u>Description</u>	<u>Manufacturer</u>	Model Number	Serial Number / Lot Number	Last Cal Date / Expiration Date Opened 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

Pine Environmental Services LLC Windsor Industrial Park, 92 North Main Street, Bldg 20, Windsor, NJ 08561, 800-301-9663 www.pine-environmental.com

### 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 23F102664

Number

Location St. Louis

Department

**State Certified** 

Status Pass

Temp °C 22.2

Departine	. III								
		Calib	ration Specific	ations					
Gre	oup # 1			Range Acc %	0.0000				
1	Name PH			Reading Acc %					
	Accy Pct of Re	eading		Plus/Minus					
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		
Gre	Group # 2 Range Acc % (								
	Name Turbidity	y (NTU)		Reading Acc %					
	Accy Pct of Re			Plus/Minus					
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		
Gr	oup # 3			Range Acc %	0.0000				
Group I	Name Conduct	ivity		Reading Acc %					
Stated	Accy Pct of R	eading		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		
Gro	oup # 4			Range Acc %	0.0000				
Group N	Name Redox (	ORP)		Reading Acc %					
Stated	Accy Pct of Re	eading		Plus/Minus	0.00				
Nom In Val / In Val	In Type	Out Val	<b>Out Type</b>	Fnd As	Lft As	Dev%	Pass/Fail		
240.00 / 240.00	mv	240.00	mv	216.10	240.00	0.00%	Pass		
Gro	oup # 5			Range Acc %	0.0000				
Group N	Name Dissolve	d Oxygen Span		Reading Acc %					
Stated	Accy Pct of Re	eading		Plus/Minus					
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail		

### 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

1		ed Oxygen Span eading		Range Acc % Reading Acc % Plus/Minus	3.0000		
Nom In Val / In Val	<u>In Type</u>	Out Val	Out Type	Fnd As	<u>Lft As</u>	<u>Dev%</u>	Pass/Fail
100.00 / 100.00	%	100.00	%	98.90	100.00	0.00%	Pass

Test Instruments	Used During the Calibr		(As Of Cal Entry Date)		
Test Standard ID	<b>Description</b>	Manufacturer	Model Number	Serial Number / Lot Number	Next Cal Date / Last Cal Date/ Expiration Date Opened Date
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653	5/25/2025
STL 1413 COND	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749	2/25/2025
L#4GB0749 STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059	3/20/2025
STL ORP SOLUTION	STL ORP SOLUTION 240MV L#4GA1475	AquaPhoenix Scientific	ORP Solution	4GA1475	10/25/2024
240MV L#4GA1475					
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253	2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637	2/25/2026
STL PH7 L#4GB0027	STL PH7 L#4GB0027	AquaPhoenix Scientific	PH7	4GB0027	2/25/2026

### Notes about this calibration

Calibration Result Calibration Successful Who Calibrated Chris Harkins

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Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment Please call 800-301-9663 for Technical Assistance

Pine Environmental Services LLC Windsor Industrial Park, 92 North Main Street, Bldg 20, Windsor, NJ 08561, 800-301-9663 www.pine-environmental.com

### 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**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24091272 Client Project: NEW-24Q4 Report Date: 12-Nov-24

### This reporting package includes the following:

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### APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

### **Definitions**

http://www.teklabinc.com/

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 )



### APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

### **Definitions**

http://www.teklabinc.com/

Work Order: 24091272 Client: Ramboll Client Project: NEW-24Q4 Report Date: 12-Nov-24

### Qualifiers

- # Unknown hydrocarbon
- RL shown is a Client Requested Quantitation Limit
- Holding times exceeded H -
- Analyte detected below quantitation limits
- Not Detected at the Reporting Limit
- Spike Recovery outside recovery limits
- X Value exceeds Maximum Contaminant Level

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)



### **Case Narrative**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24091272
Client Project: NEW-24Q4 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		Springfield	Kansas City			
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road		
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214		
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998		
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998		
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com		
	Collinsville Air		Chicago				
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.				
	Collinsville, IL 62234-7425		Downers Grove, IL 60515				
Phone	(618) 344-1004	Phone	(630) 324-6855				
Fax	(618) 344-1005	Fax					
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com				

# APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

# **Accreditations**

http://www.teklabinc.com/

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



Client: Ramboll **Work Order: 24091272** Client Project: NEW-24Q4 Report Date: 12-Nov-24

Lab ID: 24091272-004 **Client Sample ID: APW02** 

Collection Date: 10/02/2024 10:49 Matrix: GROUNDWATER

Matrix: GROUNDWAT	LIX				001100110	n Date. 10	, 02, 202	1 10115		
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch	
FIELD ELEVATION MEASURE										
Depth to water from measuring po	int *	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 I	ED. 2580 B FIE	LD								
Oxidation-Reduction Potential	*	-2000	-2000		19	mV	1	10/02/2024 10:49	R354753	
<b>STANDARD METHODS 2510 E</b>	3 FIELD									
Spec. Conductance, Field	*	0	0		4820	μS/cm	1	10/02/2024 10:49	R354753	
STANDARD METHODS 2550 E	3 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	
<b>STANDARD METHODS 2320 E</b>	B (TOTAL) 1997	<sup>7</sup> , 2011								
Alkalinity, Bicarbonate (as CaCO3	) NELAP	0	0		592	mg/L	1	10/07/2024 12:09	R354253	
STANDARD METHODS 2320 E	3 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	<sup>7</sup> , 2011								
Total Dissolved Solids	NELAP	16	20		3900	mg/L	1	10/08/2024 10:08	R354396	
SW846 9056A TOTAL ANIONIC	C COMPOUND	S BY IOI	N CHRO	MATOGR	APHY					
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		
Sulfate	NELAP	3.00	10.0		3050	mg/L	10	10/05/2024 6:25	R354124	
SW-846 3005A, 6010B, METAL	•	•								
Calcium	NELAP	0.035	0.100		515	mg/L	1	10/07/2024 14:40		
Magnesium	NELAP	0.006	0.050		468	mg/L	1	10/07/2024 14:40		
Potassium	NELAP	0.040	0.100		7.62	mg/L	1	10/07/2024 14:40		
Sodium	NELAP	0.018	0.050		451	mg/L	1	10/07/2024 14:40	229297	
SW-846 3005A, 6020A, METAL	-	-	4.0		0.0	/!	_	40/00/0004 0 05	220207	
Antimony	NELAP	0.4	1.0	J	0.6	μg/L	5	10/08/2024 9:05		
Arsenic Barium	NELAP NELAP	0.4 0.7	1.0 1.0	J	0.5 9.8	μg/L μg/L	5 5	10/07/2024 18:43 10/07/2024 18:43		
Beryllium	NELAP	0.7	1.0		9.6 < 1.0	μg/L μg/L	5 5	10/07/2024 18:43		
Boron	NELAP	9.2	25.0		114	μg/L μg/L	5	10/07/2024 18:43		
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L μg/L	5	10/07/2024 18:43		
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	10/07/2024 18:43		
Cobalt	NELAP	0.1	1.0		1.5	μg/L	5	10/07/2024 18:43		
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	10/07/2024 18:43		
Lithium	*	1.4	3.0		109	μg/L	5	10/07/2024 18:43		
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	
<u> </u>										



NEW-257-501 http://www.teklabinc.com/

Report Date: 12-Nov-24

Client: Ramboll **Work Order: 24091272** 

Lab ID: 24091272-005 **Client Sample ID: APW03** 

Matrix: GROUNDWATER Collection Date: 10/07/2024 11:23

				_			, - ,	-	
Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE									
Depth to water from measuring po	int *	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 FII	ELD							
Oxidation-Reduction Potential	*	-2000	-2000		-5	mV	1	10/07/2024 11:23	R354753
<b>STANDARD METHODS 2510 E</b>	3 FIELD								
Spec. Conductance, Field	*	0	0		1220	μS/cm	1	10/07/2024 11:23	R354753
<b>STANDARD METHODS 2550 E</b>	3 FIELD								
Temperature	*	0	0		19.8	°C	1	10/07/2024 11:23	R354753
STANDARD METHODS 4500-0	G FIELD								
Oxygen, Dissolved	*	0	0		1.49	mg/L	1	10/07/2024 11:23	R354753
SW-846 9040B FIELD									
рН	*	0	1.00		6.49		1	10/07/2024 11:23	R354753
<b>STANDARD METHODS 2320 E</b>	B (TOTAL) 199	7, 2011							
Alkalinity, Bicarbonate (as CaCO3	) NELAP	0	0		417	mg/L	1	10/08/2024 10:08	R354312
<b>STANDARD METHODS 2320 E</b>	3 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/08/2024 10:08	R354312
STANDARD METHODS 2540 (	C (TOTAL) 199	7, 2011							
Total Dissolved Solids	NELAP	16	20		584	mg/L	1	10/08/2024 10:30	R354396
SW846 9056A TOTAL ANIONI	C COMPOUND	OS BY IO	N CHRO	MATO	RAPHY				
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	
Sulfate	NELAP	3.00	10.0		111	mg/L	10	10/08/2024 16:38	R354259
SW-846 3005A, 6010B, METAL	LS BY ICP (TO	TAL)							
Calcium	NELAP	0.035	0.100		86.8	mg/L	1	10/08/2024 17:49	
Magnesium	NELAP	0.006	0.050		47.0	mg/L	1	10/08/2024 17:49	
Potassium	NELAP	0.040	0.100		0.498	mg/L	1	10/08/2024 17:49	
Sodium	NELAP	0.018	0.050		59.9	mg/L	1	10/08/2024 17:49	229380
SW-846 3005A, 6020A, METAL							_	40/40/0004 40	000000
Antimony	NELAP	0.4	1.0	J	0.5	μg/L	5	10/10/2024 18:33	
Arsenic	NELAP	0.4	1.0	J	0.4	μg/L	5	10/10/2024 18:33	
Barium	NELAP	0.7	1.0		86.0	μg/L	5	10/10/2024 18:33	
Beryllium	NELAP NELAP	0.2	1.0		< 1.0	μg/L	5 5	10/16/2024 22:18 10/10/2024 18:33	
Boron Cadmium	NELAP NELAP	9.2 0.2	25.0 1.0		401	μg/L	5 5	10/10/2024 18:33	
Chromium	NELAP	0.2	1.5		< 1.0 1.7	μg/L μg/L	5 5	10/10/2024 18:33	
Cobalt	NELAP	0.7	1.0		< 1.0	μg/L μg/L	5	10/10/2024 18:33	
Lead	NELAP	0.6	1.0		< 1.0 < 1.0	μg/L μg/L	5	10/10/2024 18:33	
Lithium	*	1.4	3.0		11.3	μg/L	5	10/16/2024 22:18	
Molybdenum	NELAP	0.6	1.5	J	1.2	μg/L	5	10/11/2024 17:14	
Selenium	NELAP	0.6	1.0	-	< 1.0	μg/L	5	10/10/2024 18:33	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	10/10/2024 18:33	
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	μg/L	1	10/09/2024 12:26	229394
,					,	1 5	*		



NEW-257-501 http://www.teklabinc.com/

Report Date: 12-Nov-24

Client: Ramboll **Work Order: 24091272** 

Lab ID: 24091272-006 Client Sample ID: APW04

Matrix: GROUNDWATER Collection Date: 10/07/2024 12:23

				_		0/07/202		
Analyses	Certification	n MDL	RL	Qual Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURI	EMENTS							
Depth to water from measuring p	oint *	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
<b>STANDARD METHODS 18TH</b>	ED. 2580 B FIE	ELD						
Oxidation-Reduction Potential	*	-2000	-2000	67	mV	1	10/07/2024 12:23	R354753
<b>STANDARD METHODS 2510</b>	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>B (TOTAL) 199</b>	7, 2011						
Alkalinity, Bicarbonate (as CaCO	3) 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) 199	7, 2011						
Total Dissolved Solids	NELAP	16	20	1710	mg/L	1	10/08/2024 10:30	R354396
SW846 9056A TOTAL ANION	IC COMPOUND	S BY IO	N CHRO	MATOGRAPHY				
Fluoride	NELAP	0.20	0.50	ND	J	10	10/08/2024 16:49	R354259
Chloride	NELAP	1.00	5.00	33.3	Ū	10	10/08/2024 16:49	
Sulfate	NELAP	3.00	10.0	832	mg/L	10	10/08/2024 16:49	R354259
SW-846 3005A, 6010B, META	•	•						
Calcium	NELAP	0.035	0.100	219	J	1	10/08/2024 17:53	
Magnesium	NELAP	0.006	0.050	165	0	1	10/08/2024 17:53	
Potassium	NELAP	0.040	0.100	1.71	_	1	10/08/2024 17:53	
Sodium	NELAP	0.018	0.050	89.3	mg/L	1	10/08/2024 17:53	ZZ930U
SW-846 3005A, 6020A, META		•	4.0	. 4 6	, , /I	_	10/10/0004 10 00	220200
Antimony	NELAP NELAP	0.4	1.0	< 1.0	. 0	5 5	10/10/2024 18:39	
Arsenic Barium	NELAP NELAP	0.4 0.7	1.0 1.0	< 1.0 12.4	. 0	5 5	10/10/2024 18:39 10/10/2024 18:39	
Beryllium	NELAP	0.7	1.0	12.4 < 1.0		5	10/16/2024 18:39	
Boron	NELAP	9.2	25.0	32.0		5	10/10/2024 22:24	
Cadmium	NELAP	0.2	1.0	< 1.0		5	10/10/2024 18:39	
Chromium	NELAP	0.7	1.5	< 1.5		5	10/10/2024 18:39	
Cobalt	NELAP	0.1	1.0	< 1.0	. •	5	10/10/2024 18:39	
Lead	NELAP	0.6	1.0	< 1.0		5	10/10/2024 18:39	
Lithium	*	1.4	3.0	22.0		5	10/16/2024 22:24	
Molybdenum	NELAP	0.6	1.5	J 1.4		5	10/11/2024 18:10	229380
Selenium	NELAP	0.6	1.0	< 1.0		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
<del></del>							<del></del>	



NEW-257-501 http://www.teklabinc.com/

Report Date: 12-Nov-24

Client: Ramboll **Work Order: 24091272** 

Lab ID: 24091272-007 **Client Sample ID: APW05** 

Matrix: GROUNDWATER Collection Date: 10/02/2024 11:46

2112 3112 1011	-						7 02/202		
Analyses	Certification	ı MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURI	EMENTS								
Depth to water from measuring p	oint *	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 FIE	LD							
Oxidation-Reduction Potential	*	-2000	-2000		-170	mV	1	10/02/2024 11:46	R354753
<b>STANDARD METHODS 2510</b>	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
<b>STANDARD METHODS 4500-</b>	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
<b>STANDARD METHODS 2320</b>	<b>B (TOTAL) 199</b>	7, 2011							
Alkalinity, Bicarbonate (as CaCO	3) NELAP	0	0		478	mg/L	1	10/07/2024 12:26	R354253
<b>STANDARD METHODS 2320</b>	B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	) NELAP	0	0		0	mg/L	1	10/07/2024 12:26	R354253
<b>STANDARD METHODS 2540</b>	C (TOTAL) 199	7, 2011							
Total Dissolved Solids	NELAP	40	50		500	mg/L	2.5	10/08/2024 10:09	R354396
SW846 9056A TOTAL ANION	IC COMPOUND	S BY IO	N CHRO	MATO	RAPHY				
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	
Sulfate	NELAP	3.0	10	J	3.4	mg/L	10	10/05/2024 6:37	R354124
SW-846 3005A, 6010B, META	LS BY ICP (TO	TAL)							
Calcium	NELAP	0.035	0.100		58.4	mg/L	1	10/07/2024 14:42	
Magnesium	NELAP	0.006	0.050		29.6	mg/L	1	10/07/2024 14:42	
Potassium	NELAP	0.040	0.100		1.72	mg/L	1	10/07/2024 14:42	
Sodium	NELAP	0.018	0.050		137	mg/L	1	10/07/2024 14:42	229297
SW-846 3005A, 6020A, META		•	4.0		4.0		F	40/00/0004 0 44	220207
Antimony	NELAP	0.4	1.0		< 1.0	μg/L	5	10/08/2024 9:11	
Arsenic	NELAP	0.4	1.0		28.0	μg/L	5	10/07/2024 18:49 10/07/2024 18:49	
Barium	NELAP NELAP	0.7 0.2	1.0 1.0		281 < 1.0	μg/L μg/L	5 5	10/07/2024 18:49	
Beryllium Boron	NELAP	9.2	25.0		< 1.0 101	μg/L μg/L	5 5	10/07/2024 18:49	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L μg/L	5	10/07/2024 18:49	
Chromium	NELAP	0.2	1.5	J	0.9	μg/L	5	10/07/2024 18:49	
Cobalt	NELAP	0.1	1.0	J	0.3	μg/L	5	10/07/2024 18:49	
Lead	NELAP	0.6	1.0	•	< 1.0	μg/L	5	10/07/2024 18:49	
Lithium	*	1.4	3.0		9.5	μg/L	5	10/07/2024 18:49	
Molybdenum	NELAP	0.6	1.5		9.7	μg/L	5	10/07/2024 18:49	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	10/07/2024 18:49	
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



**Work Order: 24091272** 

Client: Ramboll 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

	a	1		0 -	<b></b>		, , , , , , , , , , , , , , , , , , ,		D I		
Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch		
FIELD ELEVATION MEASURE											
Depth to water from measuring po	oint *	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 I	ED. 2580 B FI	ELD									
Oxidation-Reduction Potential	*	-2000	-2000		15	mV	1	10/02/2024 12:18	R354753		
STANDARD METHODS 2510 E	3 FIELD										
Spec. Conductance, Field	*	0	0		3670	μS/cm	1	10/02/2024 12:18	R354753		
STANDARD METHODS 2550 E	3 FIELD										
Temperature	*	0	0		18.5	°C	1	10/02/2024 12:18	R354753		
STANDARD METHODS 4500-0	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 E	•	7, 2011									
Alkalinity, Bicarbonate (as CaCO3	) NELAP	0	0		550	mg/L	1	10/07/2024 12:34	R354253		
STANDARD METHODS 2320 E	3 1997, 2011										
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/07/2024 12:34	R354253		
STANDARD METHODS 2540 C	C (TOTAL) 199	7, 2011									
Total Dissolved Solids	NELAP	16	20		3330	mg/L	1	10/08/2024 10:31	R354396		
SW846 9056A TOTAL ANIONIC		OS BY IO	N CHRO	MATOG	RAPHY						
Fluoride	NELAP	0.20	0.50	J	0.27	mg/L	10	10/05/2024 6:49			
Chloride	NELAP	1.00	5.00		134	mg/L	10	10/05/2024 6:49			
Sulfate	NELAP	3.00	10.0		1910	mg/L	10	10/05/2024 6:49	R354124		
SW-846 3005A, 6010B, METAL		•				,		40/0=/0004 45 44			
Calcium	NELAP	0.035	0.100		396	mg/L	1	10/07/2024 15:14			
Magnesium	NELAP	0.006	0.050		311	mg/L	1	10/07/2024 15:14			
Potassium	NELAP	0.040	0.100		2.54	mg/L	1	10/07/2024 15:14			
Sodium	NELAP	0.018	0.050		273	mg/L	1	10/07/2024 15:14	223231		
SW-846 3005A, 6020A, METAL			1.0		-10	ug/l	E	10/09/2024 0:47	220207		
Antimony Arsenic	NELAP NELAP	0.4 0.4	1.0 1.0	J	< 1.0 0.5	μg/L μg/L	5 5	10/08/2024 9:17 10/07/2024 18:55			
Barium	NELAP	0.4	1.0	J	0.5 29.5	μg/L μg/L	5 5	10/07/2024 18:55			
Beryllium	NELAP	0.7	1.0		< 1.0	μg/L μg/L	5	10/07/2024 18:55			
Boron	NELAP	9.2	25.0		38.2	μg/L μg/L	5	10/07/2024 18:55			
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	10/07/2024 18:55			
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	10/07/2024 18:55			
Cobalt	NELAP	0.1	1.0	J	0.5	μg/L	5	10/07/2024 18:55			
Lead	NELAP	0.6	1.0	•	< 1.0	μg/L	5	10/07/2024 18:55			
Lithium	*	1.4	3.0		37.4	μg/L	5	10/07/2024 18:55			
Molybdenum	NELAP	0.6	1.5	J	1.2	μg/L	5	10/07/2024 18:55			
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			
SW-846 7470A (TOTAL)											
Mercury	NELAP	0.06	0.20		< 0.20	μg/L	1	10/08/2024 10:26	229358		

**Client Sample ID: APW06** 



Lab ID: 24091272-009

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll **Work Order: 24091272** 

Client Project: NEW-24Q4 Report Date: 12-Nov-24

Matrix: GROUNDWATER Collection Date: 10/08/2024 9:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring po		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 FIEI	_D							
Oxidation-Reduction Potential	*	-2000	-2000		-142	mV	1	10/08/2024 9:33	R354753
STANDARD METHODS 2510 E	B FIELD								
Spec. Conductance, Field	*	0	0		699	μS/cm	1	10/08/2024 9:33	R354753
STANDARD METHODS 2550 E	B FIELD								
Temperature	*	0	0		15.6	°C	1	10/08/2024 9:33	R354753
STANDARD METHODS 4500-0	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 E	3 (TOTAL) 1997	. 2011							
Alkalinity, Bicarbonate (as CaCO3		0	0		474	mg/L	1	10/09/2024 9:59	R354395
STANDARD METHODS 2320 E	•					-			
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/09/2024 9:59	R354395
STANDARD METHODS 2540 (	C (TOTAL) 1997	. 2011				J			
Total Dissolved Solids	NELAP	40	50		475	mg/L	2.5	10/11/2024 10:37	R354573
SW846 9056A TOTAL ANIONI	C COMPOLINDS			MATOG					
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	
Sulfate	NELAP	3.0	10	J	3.3	mg/L	10	10/10/2024 1:58	
SW-846 3005A, 6010B, METAL	S BY ICP (TOT	AL)				-			
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. D	ata is rep	ortable pe	er the TN	l Standard.				
SW-846 3005A, 6020A, METAL	LS BY ICPMS (1	OTAL)							
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	
Beryllium	NELAP	0.2	1.0	J	0.3	μg/L	5	10/15/2024 20:05	
Boron	NELAP	9.2	25.0		117	μg/L	5	10/15/2024 20:05	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	10/14/2024 12:38	
Chromium	NELAP	0.7	1.5	J	1.1	μg/L	5	10/15/2024 20:05	
Cobalt	NELAP	0.1	1.0	J	0.5	μg/L	5	10/15/2024 20:05	
Lead	NELAP *	0.6	1.0		< 1.0	μg/L	5	10/14/2024 12:38	
Lithium		1.4	3.0		15.1	μg/L	5	10/15/2024 20:05	
Molybdenum	NELAP	0.6	1.5		8.0	μg/L	5	10/14/2024 12:38	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	10/14/2024 12:38	
Thallium  CCV recovered outside the upper	NELAP	1.0 r Samo	2.0	are holou	< 2.0	μg/L it Data is r	5 renortable ne	10/10/2024 20:16	ZZ <del>944</del> 0
	CONTROL HITHES FOR C	. Заттрі	e results à	are Delow	are reporting limi	n. Dala IST	еропале ре	ı ure rivi stariüdiü.	
SW-846 7470A (TOTAL)	NELAP	0.06	0.20		< 0.20	ug/l	1	10/10/2024 12:31	220476
Mercury	NELAF	0.00	0.20		₹ 0.20	μg/L	ı	10/10/2024 12.31	44741 U



NEW-257-501 http://www.teklabinc.com/

Report Date: 12-Nov-24

Client: Ramboll Work Order: 24091272

Lab ID: 24091272-010 **Client Sample ID: APW07** 

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

Matrix: GROUNDWA	IER				Conectio	n Date: 10	J/U0/2U2	4 10:05	
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUR	EMENTS								
Depth to water from measuring p	oint *	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 FIE	LD							
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 FIFI D								
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) 199	7. 2011							
Alkalinity, Bicarbonate (as CaCO		0	0		506	mg/L	1	10/09/2024 10:19	R354395
STANDARD METHODS 2320						J			
Alkalinity, Carbonate (as CaCO3	•	0	0		0	mg/L	1	10/09/2024 10:19	R354395
STANDARD METHODS 2540			-			9/=	•	10,00,202 1 10110	. 100 1000
Total Dissolved Solids	NELAP	80	100		620	mg/L	5	10/11/2024 11:08	R354573
SW846 9056A TOTAL ANION				MATOG		g/	J	10/11/202111.00	11001010
Fluoride	NELAP	0.20	0.50	J	0.36	mg/L	10	10/10/2024 2:10	R354345
Chloride	NELAP	1.00	5.00	ŭ	62.5	mg/L	10	10/10/2024 2:10	
Sulfate	NELAP	3.00	10.0		14.0	mg/L	10	10/10/2024 2:10	
SW-846 3005A, 6010B, META		ΤΔΙ \				<u>J</u>			
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	
Potassium	NELAP	0.040	0.100		4.11	mg/L	1	10/10/2024 16:04	
Sodium	NELAP	0.018	0.050		85.1	mg/L	1	10/10/2024 16:04	
Sample result(s) for Na exceed 1	0 times the CCB. I	Data is rep		er the TN		3			
SW-846 3005A, 6020A, META			/-						
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	
Barium	NELAP	0.7	1.0		617	μg/L	5	10/10/2024 20:22	
Beryllium	NELAP	0.2	1.0	J	0.9	μg/L	5	10/16/2024 21:12	
Boron	NELAP	9.2	25.0		88.6	μg/L	5	11/01/2024 21:16	
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



NEW-257-501 http://www.teklabinc.com/

Report Date: 12-Nov-24

Client: Ramboll **Work Order: 24091272** 

Lab ID: 24091272-011 **Client Sample ID: APW08** 

Matrix: GROUNDWATER Collection Date: 10/02/2024 9:35

	·	_		-	_				
Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	EMENTS								
Depth to water from measuring po	oint *	0	0		32.84	ft	1	10/02/2024 9:35	R354753
<b>STANDARD METHODS 2130</b>	B FIELD								
Turbidity	*	1.0	1.0		3.4	NTU	1	10/02/2024 9:35	R354753
<b>STANDARD METHODS 18TH</b>	ED. 2580 B FIE	ELD							
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) 199	7, 2011							
Alkalinity, Bicarbonate (as CaCO	3) 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) 199	7, 2011							
Total Dissolved Solids	NELAP	40	50		650	mg/L	2.5	10/08/2024 10:32	R354396
SW846 9056A TOTAL ANION	IC COMPOUND	S BY IO	N CHRO	MATOG	RAPHY				
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	
Sulfate	NELAP	3.00	10.0		46.4	mg/L	10	10/05/2024 7:59	R354124
SW-846 3005A, 6010B, META		•							
Calcium	NELAP	0.035	0.100		109	mg/L	1	10/07/2024 15:16	
Magnesium	NELAP	0.006	0.050		44.7	mg/L	1	10/07/2024 15:16	
Potassium	NELAP	0.040	0.100		2.18	mg/L	1	10/07/2024 15:16	
Sodium	NELAP	0.018	0.050		89.3	mg/L	1	10/07/2024 15:16	229297
SW-846 3005A, 6020A, META		•	4.0		.40	/!	_	40/00/0004 0 00	220207
Antimony	NELAP NELAD	0.4	1.0		< 1.0	μg/L	5 5	10/08/2024 9:23 10/07/2024 19:01	
Arsenic Barium	NELAP NELAP	0.4 0.7	1.0 1.0		18.7 448	μg/L μg/L	5 5	10/07/2024 19:01	
Beryllium	NELAP	0.7	1.0		440 < 1.0	μg/L μg/L	5 5	10/07/2024 19:01	
Boron	NELAP	9.2	25.0		81.1	μg/L μg/L	5	10/07/2024 19:01	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	10/07/2024 19:01	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	10/07/2024 19:01	
Cobalt	NELAP	0.1	1.0	J	0.4	μg/L	5	10/07/2024 19:01	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	10/07/2024 19:01	
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



NEW-257-501 http://www.teklabinc.com/

Report Date: 12-Nov-24

Client: Ramboll **Work Order: 24091272** 

Lab ID: 24091272-012 **Client Sample ID: APW09** 

Matrix: GROUNDWATER Collection Date: 10/08/2024 11:51

WILLIAM GROONDWAT						n Date: 10	, 00, 202		
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring po	int *	0	0		27.71	ft	1	10/08/2024 11:51	R354753
STANDARD METHODS 2130 I	B FIELD								
Turbidity	*	1.0	1.0		24	NTU	1	10/08/2024 11:51	R354753
STANDARD METHODS 18TH E	ED. 2580 B FIE	LD							
Oxidation-Reduction Potential	*	-2000	-2000		-48	mV	1	10/08/2024 11:51	R354753
STANDARD METHODS 2510 E	B FIELD								
Spec. Conductance, Field	*	0	0		1150	μS/cm	1	10/08/2024 11:51	R354753
STANDARD METHODS 2550 E	B FIELD								
Temperature	*	0	0		18.1	°C	1	10/08/2024 11:51	R354753
STANDARD METHODS 4500-0	G FIFI D								
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 E	R (TOTAL) 1007						·		
Alkalinity, Bicarbonate (as CaCO3		0	0		605	mg/L	1	10/09/2024 10:31	R354395
STANDARD METHODS 2320 E	,					<i>g</i> , <b>–</b>			
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/09/2024 10:31	R354395
STANDARD METHODS 2540 C			U		<u> </u>	mg/L	'	10,00,2024 10.01	1.00-1000
Total Dissolved Solids	NELAP	40	50		815	mg/L	2.5	10/11/2024 11:09	P35/1573
				MATOO		IIIg/L	2.0	10/11/2024 11.09	11004070
SW846 9056A TOTAL ANIONIC Fluoride	NELAP	0.20	0.50	MATOG J	0.43	ma/l	10	10/10/2024 2:22	D25/2/5
Chloride	NELAP	1.00	5.00	J	0.43 137	mg/L mg/L	10	10/10/2024 2:22	
Sulfate	NELAP	3.0	10	J	5.5	mg/L	10	10/10/2024 2:22	
			10	3	3.3	IIIg/L	10	10/10/2024 2.22	11004040
SW-846 3005A, 6010B, METAL Calcium	NELAP	0.035	0.100		78.7	mg/L	1	10/10/2024 16:05	220445
Magnesium	NELAP	0.006	0.100		37.9	mg/L	1	10/10/2024 16:05	
Potassium	NELAP	0.040	0.100		2.05	mg/L	1	10/10/2024 16:05	
Sodium	NELAP	0.040	0.050		179	mg/L	1	10/10/2024 16:05	
Sample result(s) for Na exceed 10				er the TNI		mg/L	•	10/10/2024 10:00	220440
SW-846 3005A, 6020A, METAL			ortabio pe		Ciariaara.				
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 μg/L	5	10/15/2024 21:32	
Barium	NELAP	0.7	1.0		372	μg/L	5	10/10/2024 20:28	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	10/15/2024 21:32	
Boron	NELAP	9.2	25.0		125	μg/L	5	10/21/2024 12:45	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	10/15/2024 21:32	
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 of	control limits for B	e. Samp	le results	are below	the reporting lin	nit. Data is r	eportable p	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

Report Date: 12-Nov-24



Client Project: NEW-24Q4

Client: Ramboll **Work Order: 24091272** 

Lab ID: 24091272-013 **Client Sample ID: APW10** 

Collection Date: 10/01/2024 11:58 Matrix: GROUNDWATER

	ILK						)/01/2024		
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUR									
Depth to water from measuring p	oint *	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
<b>STANDARD METHODS 18TH</b>	ED. 2580 B FIE	LD							
Oxidation-Reduction Potential	*	-2000	-2000		42	mV	1	10/01/2024 11:58	R354753
<b>STANDARD METHODS 2510</b>	B FIELD								
Spec. Conductance, Field	*	0	0		1460	μS/cm	1	10/01/2024 11:58	R354753
<b>STANDARD METHODS 2550</b>	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									
рН	*	0	1.00		7.46		1	10/01/2024 11:58	R354753
<b>STANDARD METHODS 2320</b>	<b>B (TOTAL) 1997</b>	', <b>2011</b>							
Alkalinity, Bicarbonate (as CaCO	3) NELAP	0	0		421	mg/L	1	10/07/2024 11:23	R354253
<b>STANDARD METHODS 2320</b>	B 1997, 2011								
Alkalinity, Carbonate (as CaCO3	) NELAP	0	0		0	mg/L	1	10/07/2024 11:23	R354253
<b>STANDARD METHODS 2540</b>	C (TOTAL) 1997	', <b>2011</b>							
Total Dissolved Solids	NELAP	40	50		1040	mg/L	2.5	10/08/2024 10:33	R354396
<b>SW846 9056A TOTAL ANION</b>	IC COMPOUNDS	S BY IOI	N CHRO	MATOGF	RAPHY				
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, META	ALS BY ICP (TOT	「AL)							
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	
Potassium	NELAP	0.040	0.100		2.14	mg/L	1	10/07/2024 14:43	
Sodium	NELAP	0.018	0.050	S	123	mg/L	1	10/07/2024 14:43	229297
Matrix spike control limits are not			ole/spike r	atio.					
SW-846 3005A, 6020A, META	•	•					_		
Antimony	NELAP	0.4	1.0		< 1.0	μg/L	5	10/08/2024 9:29	
Arsenic	NELAP	0.4	1.0		9.9	μg/L	5	10/07/2024 19:07	
Barium	NELAP NELAP	0.7	1.0		30.5	μg/L	5 5	10/07/2024 19:07	
Beryllium Boron	NELAP	0.2 9.2	1.0 25.0		< 1.0 80.4	μg/L μα/l	5 5	10/07/2024 19:07 10/07/2024 19:07	
Cadmium	NELAP	0.2	25.0 1.0		80.4 < 1.0	μg/L μg/L	5 5	10/07/2024 19:07	
Chromium	NELAP	0.2	1.5		2.0	μg/L μg/L	5	10/07/2024 19:07	
Cobalt	NELAP	0.1	1.0	J	0.9	μg/L μg/L	5	10/07/2024 19:07	
Lead	NELAP	0.6	1.0	J	0.7	μg/L	5	10/07/2024 19:07	
Lithium	*	1.4	3.0	-	23.6	μg/L	5	10/07/2024 19:07	
Molybdenum	NELAP	0.6	1.5		6.5	μg/L	5	10/07/2024 19:07	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	10/07/2024 19:07	
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	220242



NEW-257-501 http://www.teklabinc.com/

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 MEASUR	EMENTS			-				·	
Depth to water from measuring p		0	0		25.16	ft	1	10/01/2024 10:25	R354753
STANDARD METHODS 2130	B FIFI D								
Turbidity	*	1.0	1.0		86	NTU	1	10/01/2024 10:25	R354753
STANDARD METHODS 18TH	FD 2580 B FIF	I D							
Oxidation-Reduction Potential	*	-2000	-2000		3	mV	1	10/01/2024 10:25	R354753
STANDARD METHODS 2510	R FIFI D								
Spec. Conductance, Field	*	0	0		1210	μS/cm	1	10/01/2024 10:25	R354753
STANDARD METHODS 2550	R FIFI D								
Temperature	*	0	0		18.0	°C	1	10/01/2024 10:25	R354753
STANDARD METHODS 4500-	O G EIEI D	-	-			-	·		
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
	D (TOTAL) 4007		1.00		7.01		<u> </u>	10/01/2021 10:20	11001100
STANDARD METHODS 2320 Alkalinity, Bicarbonate (as CaCO	• •	0	0		421	mg/L	1	10/07/2024 11:31	R354253
<u> </u>	- /	Ū	<u> </u>		72.1	mg/L	<u>'</u>	10/01/2024 11:01	1100-1200
STANDARD METHODS 2320 Alkalinity, Carbonate (as CaCO3)	·	0	0		0	mg/L	1	10/07/2024 11:31	R354253
			U			IIIg/L	'	10/07/2024 11:51	11004200
STANDARD METHODS 2540 Total Dissolved Solids	NELAP	40	50	Н	825	mg/L	2.5	10/08/2024 10:33	D35/306
Sample analysis did not meet hol			30	11	023	IIIg/L	2.5	10/00/2024 10.33	1334390
			N CHRO	MATO	SD A DUV				
SW846 9056A TOTAL ANION Fluoride	NELAP	0.20	0.50	WATOC J	0.21	mg/L	10	10/05/2024 8:22	P35/12/
Chloride	NELAP	1.00	5.00	3	24.1	mg/L	10	10/05/2024 8:22	
Sulfate	NELAP	3.00	10.0		280	mg/L	10	10/05/2024 8:22	
SW-846 3005A, 6010B, META			10.0		200	g/ <u></u>	.0	10/00/2021 0.22	11001121
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	
Potassium	NELAP	0.040	0.100		1.77	mg/L	1	10/07/2024 15:17	
Sodium	NELAP	0.018	0.050		95.1	mg/L	1	10/07/2024 15:17	
SW-846 3005A, 6020A, META						<u> </u>			
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	
Barium	NELAP	0.7	1.0		36.9	μg/L	5	10/07/2024 19:50	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	10/07/2024 19:50	
Boron	NELAP	9.2	25.0		62.8	μg/L	5	10/10/2024 10:35	
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	
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



NEW-257-501 http://www.teklabinc.com/

Report Date: 12-Nov-24

Client: Ramboll **Work Order: 24091272** 

Lab ID: 24091272-015 **Client Sample ID: APW12** 

Matrix: GROUNDWATER Collection Date: 10/01/2024 11:03

	G	3.555		0 :	D 1	TT **	D.	D ( )	D / I
Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE									
Depth to water from measuring po		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 I	ED. 2580 B FII								
Oxidation-Reduction Potential	*	-2000	-2000		97	mV	1	10/01/2024 11:03	R354753
STANDARD METHODS 2510 E	B FIELD								
Spec. Conductance, Field	*	0	0		2080	μS/cm	1	10/01/2024 11:03	R354753
STANDARD METHODS 2550 E	3 FIELD					2.0		10/04/0004 14 00	D054550
Temperature	*	0	0		18.1	°C	1	10/01/2024 11:03	R354753
STANDARD METHODS 4500-0	O G FIELD		•			44		10/04/0004 14 00	D054750
Oxygen, Dissolved	*	0	0		1.07	mg/L	1	10/01/2024 11:03	R354753
SW-846 9040B FIELD	*	_	4.00				4	40/04/0004 44 00	D054750
pH		0	1.00		7.36		1	10/01/2024 11:03	K354/53
STANDARD METHODS 2320 E		•	•			44		10/07/0001 11 00	D054050
Alkalinity, Bicarbonate (as CaCO3	-	0	0		608	mg/L	1	10/07/2024 11:39	K354253
STANDARD METHODS 2320 E	•		•		•	4		40/07/0004 44 00	D054050
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/07/2024 11:39	R354253
STANDARD METHODS 2540 C	•	•	00		4050	,,		10/00/0001 10 50	D054000
Total Dissolved Solids	NELAP	16	20		1850	mg/L	1	10/08/2024 10:53	R354396
SW846 9056A TOTAL ANIONIC				MATOGRAP		/I	40	40/05/0004 0-04	D054404
Fluoride Chloride	NELAP NELAP	0.20 1.00	0.50 5.00		ND 27.6	mg/L	10 10	10/05/2024 8:34 10/05/2024 8:34	
Sulfate	NELAP	3.00	10.0		829	mg/L mg/L	10	10/05/2024 8:34	
SW-846 3005A, 6010B, METAL			10.0		020	mg/L	10	10/00/2024 0:04	11004124
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	
Potassium	NELAP	0.040	0.100		1.45	mg/L	1	10/07/2024 15:19	
Sodium	NELAP	0.018	0.050		158	mg/L	1	10/07/2024 15:19	229297
SW-846 3005A, 6020A, METAL	S 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	
Boron	NELAP	9.2	25.0		793	μg/L	5	10/10/2024 10:41	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L "	5	10/07/2024 19:56	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	10/07/2024 19:56	
Cobalt	NELAP	0.1	1.0		1.0	μg/L	5	10/07/2024 19:56	
Lead Lithium	NELAP *	0.6	1.0 3.0		< 1.0	μg/L	5 5	10/07/2024 19:56 10/07/2024 19:56	
Molybdenum	NELAP	1.4 0.6	3.0 1.5		31.3 < 1.5	μg/L μg/L	5 5	10/07/2024 19:56	
Selenium	NELAP	0.6	1.0		< 1.5 < 1.0	μg/L μg/L	5	10/07/2024 19:56	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L μg/L	5	10/07/2024 19:56	
SW-846 7470A (TOTAL)					. =.0	r: 3' =			
Mercury	NELAP	0.06	0.20		< 0.20	μg/L	1	10/07/2024 14:45	229315
,		0.00	0.20		7 0.20	r:3' =	•	. 5, 5, , 2 5 2 1 1 1. 40	



NEW-257-501 http://www.teklabinc.com/

Report Date: 12-Nov-24

Client: Ramboll **Work Order: 24091272** 

Lab ID: 24091272-016 **Client Sample ID: APW13** 

Collection Date: 10/01/2024 12:47 Matrix: GROUNDWATER

WATER: GROUNDWAT	LIX				Concerio	11 2 4000 10	7/01/2027	14. 17	
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE	MENTS								
Depth to water from measuring po	int *	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 I	ED. 2580 B FIE	LD							
Oxidation-Reduction Potential	*	-2000	-2000		-80	mV	1	10/01/2024 12:47	R354753
STANDARD METHODS 2510 E	3 FIELD								
Spec. Conductance, Field	*	0	0		1350	μS/cm	1	10/01/2024 12:47	R354753
STANDARD METHODS 2550 E	3 FIELD								
Temperature	*	0	0		17.8	°C	1	10/01/2024 12:47	R354753
STANDARD METHODS 4500-0	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 E	3 (TOTAL) 1997	', <b>2011</b>							
Alkalinity, Bicarbonate (as CaCO3	) NELAP	0	0		486	mg/L	1	10/07/2024 11:48	R354253
STANDARD METHODS 2320 E	3 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/07/2024 11:48	R354253
STANDARD METHODS 2540 C	C (TOTAL) 1997	', <b>2011</b>							
Total Dissolved Solids	NELAP	40	50		830	mg/L	2.5	10/08/2024 10:53	R354396
SW846 9056A TOTAL ANIONIC	C COMPOUND	S BY IOI	N CHRO	MATOG	RAPHY				
Fluoride	NELAP	0.20	0.50	J	0.28	mg/L	10	10/05/2024 8:45	
Chloride	NELAP	1.00	5.00		51.0	mg/L	10	10/05/2024 8:45	
Sulfate	NELAP	3.00	10.0		244	mg/L	10	10/05/2024 8:45	R354124
SW-846 3005A, 6010B, METAL	•	-							
Calcium	NELAP	0.035	0.100		137	mg/L	1	10/07/2024 15:21	
Magnesium	NELAP	0.006	0.050		67.7	mg/L	1	10/07/2024 15:21	
Potassium	NELAP	0.040	0.100		2.16	mg/L	1	10/07/2024 15:21	
Sodium	NELAP	0.018	0.050		136	mg/L	1	10/07/2024 15:21	229291
SW-846 3005A, 6020A, METAL		•	4.0		0.5	//	Г	40/00/0004 40-00	220207
Antimony Arsenic	NELAP NELAP	0.4 0.4	1.0 1.0	J	0.5 4.7	μg/L μg/L	5 5	10/08/2024 10:32 10/07/2024 20:02	
Barium	NELAP	0.4	1.0		55.0	μg/L μg/L	5	10/07/2024 20:02	
Beryllium	NELAP	0.7	1.0		< 1.0	μg/L μg/L	5	10/07/2024 20:02	
Boron	NELAP	9.2	25.0		113	μg/L	5	10/10/2024 10:47	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	10/07/2024 20:02	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	10/07/2024 20:02	
Cobalt	NELAP	0.1	1.0	J	0.2	μg/L	5	10/07/2024 20:02	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	10/07/2024 20:02	
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
		-					-		



NEW-257-501 http://www.teklabinc.com/

Report Date: 12-Nov-24

Client: Ramboll **Work Order: 24091272** 

Client Project: NEW-24Q4 Lab ID: 24091272-017 **Client Sample ID: APW14** 

Matrix: GROUNDWATER Collection Date: 10/01/2024 13:33

Matrix: GROUNDWAT	LIX				Concens	n Date. 10	701/2021	13.33	
Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURE									
Depth to water from measuring po	int *	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 I	ED. 2580 B FIE	LD							
Oxidation-Reduction Potential	*	-2000	-2000		-114	mV	1	10/01/2024 13:33	R354753
<b>STANDARD METHODS 2510 E</b>	B FIELD								
Spec. Conductance, Field	*	0	0		1440	μS/cm	1	10/01/2024 13:33	R354753
<b>STANDARD METHODS 2550 E</b>	B FIELD								
Temperature	*	0	0		15.3	°C	1	10/01/2024 13:33	R354753
STANDARD METHODS 4500-0	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
<b>STANDARD METHODS 2320 E</b>	3 (TOTAL) 1997	', <b>2011</b>							
Alkalinity, Bicarbonate (as CaCO3	) NELAP	0	0		459	mg/L	1	10/07/2024 12:42	R354253
<b>STANDARD METHODS 2320 E</b>	3 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/07/2024 12:42	R354253
STANDARD METHODS 2540 C	C (TOTAL) 1997	', <b>2011</b>							
Total Dissolved Solids	NELAP	40	50		910	mg/L	2.5	10/08/2024 10:54	R354396
SW846 9056A TOTAL ANIONIC	C COMPOUNDS	S BY IOI	N CHRO	MATOGR	APHY				
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	
Sulfate	NELAP	3.00	10.0		361	mg/L	10	10/05/2024 8:57	R354124
SW-846 3005A, 6010B, METAL		-							
Calcium	NELAP	0.035	0.100		151	mg/L	1	10/07/2024 15:22	
Magnesium	NELAP	0.006	0.050		73.4	mg/L	1	10/07/2024 15:22	
Potassium	NELAP	0.040	0.100		1.81	mg/L	1	10/07/2024 15:22	
Sodium	NELAP	0.018	0.050		139	mg/L	1	10/07/2024 15:22	229297
SW-846 3005A, 6020A, METAL		•	4.0		.40	/1	_	40/00/0004 40-00	220207
Antimony	NELAP	0.4	1.0		< 1.0 7.1	μg/L	5	10/08/2024 10:38	
Arsenic	NELAP NELAP	0.4 0.7	1.0 1.0		7.1 50.0	μg/L	5 5	10/07/2024 20:08 10/07/2024 20:08	
Barium Beryllium	NELAP	0.7	1.0		< 1.0	μg/L μg/L	5 5	10/07/2024 20:08	
Boron	NELAP	9.2	25.0		95.1	μg/L μg/L	5	10/10/2024 20:08	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	10/07/2024 20:08	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	10/07/2024 20:08	
Cobalt	NELAP	0.1	1.0	J	0.2	μg/L	5	10/07/2024 20:08	
Lead	NELAP	0.6	1.0		< 1.0	μg/L	5	10/07/2024 20:08	
Lithium	*	1.4	3.0		19.4	μg/L	5	10/07/2024 20:08	
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
		-					-		· · · · · · · · · · · · · · · · · · ·



NEW-257-501 http://www.teklabinc.com/

Report Date: 12-Nov-24

Client: Ramboll **Work Order: 24091272** 

Lab ID: 24091272-018 **Client Sample ID: APW15** 

Matrix: GROUNDWATER Collection Date: 10/01/2024 14:26

				_	_				
Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURI	EMENTS								
Depth to water from measuring p	oint *	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
<b>STANDARD METHODS 18TH</b>	ED. 2580 B FIE	ELD							
Oxidation-Reduction Potential	*	-2000	-2000		-124	mV	1	10/01/2024 14:26	R354753
<b>STANDARD METHODS 2510</b>	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
<b>STANDARD METHODS 4500-</b>	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
<b>STANDARD METHODS 2320</b>	B (TOTAL) 199	7, 2011							
Alkalinity, Bicarbonate (as CaCO	3) NELAP	0	0		739	mg/L	1	10/07/2024 10:24	R354253
<b>STANDARD METHODS 2320</b>	B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	) NELAP	0	0		0	mg/L	1	10/07/2024 10:24	R354253
<b>STANDARD METHODS 2540</b>	C (TOTAL) 199	7, 2011							
Total Dissolved Solids	NELAP	40	50		1130	mg/L	2.5	10/08/2024 10:54	R354396
SW846 9056A TOTAL ANION	IC COMPOUND	S BY IO	N CHRO	MATOGE	RAPHY				
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, META	LS BY ICP (TO	TAL)							
Calcium	NELAP	0.035	0.100		105	mg/L	1	10/07/2024 15:24	
Magnesium	NELAP	0.006	0.050		42.1	mg/L	1	10/07/2024 15:24	
Potassium	NELAP	0.040	0.100		4.26	mg/L	1	10/07/2024 15:24	
Sodium	NELAP	0.018	0.050		320	mg/L	1	10/07/2024 15:24	229297
SW-846 3005A, 6020A, META		•					_	40/00/0004 40 **	00000=
Antimony	NELAP	0.4	1.0		< 1.0	μg/L	5	10/08/2024 10:44	
Arsenic	NELAP	0.4	1.0		28.3	μg/L	5	10/07/2024 20:14	
Barium	NELAP	0.7	1.0		584	μg/L	5	10/07/2024 20:14	
Beryllium	NELAP NELAP	0.2	1.0		< 1.0	μg/L	5 5	10/07/2024 20:14 10/10/2024 10:59	
Boron Cadmium	NELAP NELAP	9.2 0.2	25.0 1.0		123	μg/L	5 5	10/10/2024 10:59	
Chromium	NELAP	0.2	1.5		< 1.0 3.5	μg/L μg/L	5 5	10/07/2024 20:14	
Cobalt	NELAP	0.7	1.0		1.3	μg/L μg/L	5	10/07/2024 20:14	
Lead	NELAP	0.6	1.0	J	1.0	μg/L μg/L	5	10/07/2024 20:14	
Lithium	*	1.4	3.0	J	6.4	μg/L	5	10/07/2024 20:14	
Molybdenum	NELAP	0.6	1.5		3.9	μg/L	5	10/07/2024 20:14	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	10/07/2024 20:14	
Thallium	NELAP	1.0	2.0		< 2.0	μg/L	5	10/07/2024 20:14	
SW-846 7470A (TOTAL)						. •			
Mercury	NELAP	0.06	0.20		< 0.20	μg/L	1	10/08/2024 11:08	229358
•									

Report Date: 12-Nov-24



Client Project: NEW-24Q4

Client: Ramboll **Work Order: 24091272** 

Lab ID: 24091272-019 **Client Sample ID: APW16** 

Matrix: GROUNDWATER Collection Date: 10/02/2024 9:05

					7 02/202				
Analyses	Certification	n MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUR	EMENTS								
Depth to water from measuring p	oint *	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
<b>STANDARD METHODS 18TH</b>	ED. 2580 B FIE	ELD							
Oxidation-Reduction Potential	*	-2000	-2000		-131	mV	1	10/02/2024 9:05	R354753
<b>STANDARD METHODS 2510</b>	B FIELD								
Spec. Conductance, Field	*	0	0		1250	μS/cm	1	10/02/2024 9:05	R354753
<b>STANDARD METHODS 2550</b>	B FIELD								
Temperature	*	0	0		13.9	°C	1	10/02/2024 9:05	R354753
<b>STANDARD METHODS 4500-</b>	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
<b>STANDARD METHODS 2320</b>	<b>B (TOTAL) 199</b>	7, 2011							
Alkalinity, Bicarbonate (as CaCO	3) NELAP	0	0		661	mg/L	1	10/07/2024 10:33	R354253
<b>STANDARD METHODS 2320</b>	B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	) NELAP	0	0		0	mg/L	1	10/07/2024 10:33	R354253
<b>STANDARD METHODS 2540</b>	C (TOTAL) 199	7, 2011							
Total Dissolved Solids	NELAP	40	50		730	mg/L	2.5	10/08/2024 10:54	R354396
SW846 9056A TOTAL ANION	IC COMPOUND	S BY IO	N CHRO	MATOG	RAPHY				
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, META	LS BY ICP (TO	TAL)							
Calcium	NELAP	0.035	0.100		108	mg/L	1	10/07/2024 15:25	
Magnesium	NELAP	0.006	0.050		46.6	mg/L	1	10/07/2024 15:25	
Potassium	NELAP	0.040	0.100		2.29	mg/L	1	10/07/2024 15:25	
Sodium	NELAP	0.018	0.050		148	mg/L	1	10/07/2024 15:25	229297
SW-846 3005A, 6020A, META			4.0		4.0		F	40/00/0004 40 50	000007
Antimony	NELAP	0.4	1.0		< 1.0	μg/L	5	10/08/2024 10:50	
Arsenic	NELAP	0.4	1.0		24.3	μg/L	5	10/07/2024 20:20 10/07/2024 20:20	
Barium	NELAP NELAP	0.7 0.2	1.0 1.0		582 < 1.0	μg/L μg/L	5 5	10/07/2024 20:20	
Beryllium Boron	NELAP	9.2	25.0		< 1.0 125	μg/L μg/L	5 5	10/10/2024 20:20	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L μg/L	5	10/07/2024 20:20	
Chromium	NELAP	0.2	1.5		< 1.0 < 1.5	μg/L μg/L	5	10/07/2024 20:20	
Cobalt	NELAP	0.1	1.0	J	0.2	μg/L	5	10/07/2024 20:20	
Lead	NELAP	0.6	1.0	2	< 1.0	μg/L	5	10/07/2024 20:20	
Lithium	*	1.4	3.0	J	2.7	μg/L	5	10/07/2024 20:20	
Molybdenum	NELAP	0.6	1.5		< 1.5	μg/L	5	10/07/2024 20:20	
Selenium	NELAP	0.6	1.0		< 1.0	μg/L	5	10/07/2024 20:20	
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



NEW-257-501 http://www.teklabinc.com/

Report Date: 12-Nov-24

Client: Ramboll Work Order: 24091272

Lab ID: 24091272-020 Client Sample ID: APW17

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

THAT GROUND WITTER									
Analyses	Certification	ı MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASURI	EMENTS								
Depth to water from measuring p	oint *	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
<b>STANDARD METHODS 18TH</b>	ED. 2580 B FIE	LD							
Oxidation-Reduction Potential	*	-2000	-2000		-113	mV	1	10/02/2024 10:18	R354753
<b>STANDARD METHODS 2510</b>	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) 199	7, 2011							
Alkalinity, Bicarbonate (as CaCO	3) 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) 199	7, 2011							
Total Dissolved Solids	NELAP	40	50		655	mg/L	2.5	10/08/2024 10:55	R354396
SW846 9056A TOTAL ANION	IC COMPOUND	S BY IO	N CHRO	MATOG	RAPHY				
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	
Sulfate	NELAP	3.00	10.0		59.0	mg/L	10	10/05/2024 9:32	R354124
SW-846 3005A, 6010B, META	•	•							
Calcium	NELAP	0.035	0.100		124	mg/L	1	10/07/2024 15:27	
Magnesium	NELAP	0.006	0.050		51.2	mg/L	1	10/07/2024 15:27	
Potassium	NELAP	0.040	0.100		2.04	mg/L	1	10/07/2024 15:27	
Sodium	NELAP	0.018	0.050		92.9	mg/L	1	10/07/2024 15:27	225231
SW-846 3005A, 6020A, META		•	1.0		-10	ua/I	E	10/08/2024 10:56	220207
Antimony Arsenic	NELAP NELAP	0.4 0.4	1.0 1.0		< 1.0 23.5	μg/L μg/L	5 5	10/08/2024 10:56 10/07/2024 20:26	
Barium	NELAP	0.4	1.0		23.5 587	μg/L μg/L	5	10/07/2024 20:26	
Beryllium	NELAP	0.7	1.0		< 1.0	μg/L μg/L	5	10/07/2024 20:26	
Boron	NELAP	9.2	25.0		79.9	μg/L μg/L	5	10/10/2024 20:20	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	10/07/2024 20:26	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	10/07/2024 20:26	
Cobalt	NELAP	0.1	1.0	J	0.1	μg/L	5	10/07/2024 20:26	
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



NEW-257-501 http://www.teklabinc.com/

Report Date: 12-Nov-24

Client: Ramboll **Work Order: 24091272** 

Lab ID: 24091272-021 **Client Sample ID: APW18** 

Matrix: GROUNDWATER Collection Date: 10/02/2024 11:21

				_	_				
Analyses	Certification	ı MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring po	oint *	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 FIE	LD							
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
<b>STANDARD METHODS 4500-</b>	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) 199	7, 2011							
Alkalinity, Bicarbonate (as CaCO	3) 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) 199	7, 2011							
Total Dissolved Solids	NELAP	16	20		620	mg/L	1	10/08/2024 11:19	R354396
SW846 9056A TOTAL ANION	IC COMPOUND	S BY IO	N CHRO	MATOG	RAPHY				
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	
Sulfate	NELAP	3.00	10.0		41.3	mg/L	10	10/05/2024 9:44	R354124
SW-846 3005A, 6010B, META	-	-							
Calcium	NELAP	0.035	0.100		82.7	mg/L	1	10/07/2024 15:38	
Magnesium	NELAP	0.006	0.050		39.7	mg/L	1	10/07/2024 15:38	
Potassium	NELAP	0.040	0.100		2.25	mg/L	1	10/07/2024 15:38	
Sodium	NELAP	0.018	0.050		106	mg/L	1	10/07/2024 15:38	229297
SW-846 3005A, 6020A, META			4.0		4.0		F	40/00/0004 44 00	220207
Antimony	NELAP	0.4	1.0		< 1.0	μg/L	5	10/08/2024 11:02	
Arsenic	NELAP	0.4	1.0		1.6	μg/L	5	10/07/2024 20:32 10/07/2024 20:32	
Barium	NELAP NELAP	0.7 0.2	1.0 1.0		362 - 1.0	μg/L μg/L	5 5	10/07/2024 20:32	
Beryllium Boron	NELAP	9.2	25.0		< 1.0 103	μg/L μg/L	5 5	10/10/2024 20.32	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L μg/L	5	10/07/2024 20:32	
Chromium	NELAP	0.2	1.5		< 1.0 < 1.5	μg/L μg/L	5	10/07/2024 20:32	
Cobalt	NELAP	0.1	1.0	J	0.2	μg/L	5	10/07/2024 20:32	
Lead	NELAP	0.6	1.0	-	< 1.0	μg/L	5	10/07/2024 20:32	
Lithium	*	1.4	3.0		5.6	μg/L	5	10/07/2024 20:32	
Molybdenum	NELAP	0.6	1.5		2.9	μg/L	5	10/07/2024 20:32	
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

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results NEWTON POWER PLANT, PRIMARY ASH POND NIEW 257 504

NEW-257-501 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	n MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch	
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring poir	nt *	0	0		3.14	ft	1	10/01/2024 9:47 R354753	

Matrix: GROUNDWATER

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT Laboratory Results

NEWTON POWER PLANT, PRIMARY ASH POND

NEW-257-501 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

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	t *	0	0		6.49	ft	1	10/01/2024 9:30 R354753	



NEW-257-501 http://www.teklabinc.com/

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

Matrix, AQULOUS					Conectio	n Date. 10	700/202-	F 12.00	
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	S BY IOI	N CHRO	MATOGR	ΔΡΗΥ	J			
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	
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	10/09/2024 23:38	
SW-846 3005A, 6010B, METAL	S BY ICP (TOT	TAL)							
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 re	esults belo	ow the rep	oorting limit	t are reportable	per the TNI	Standard.		
SW-846 3005A, 6020A, METAL	S BY ICPMS (T	ΓΟTAL)							
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				•		•			
CCV recovered outside the upper c	ontrol limits. San	nple resu	lts are bei	low the rep	orting limit. Da	ta is reportal	ble per the	TNI standard.	
SW-846 7470A (TOTAL)									
Mercury	NFI AP	0.06	0.20		- 0.20	ua/l	1	10/10/2024 13:00	229476

SW-846 7470A (TOTAL)								
Mercury	NELAP	0.06	0.20	< 0.20	<b>0</b> μg/l	L 1	10/10/2024 13:00	229476



Client Project: NEW-24Q4

NEW-257-501 http://www.teklabinc.com/

Report Date: 12-Nov-24

Client: Ramboll Work Order: 24091272

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 MEASURE	MENTS							·	
Depth to water from measuring poi	nt *	0	0		7.12	ft	1	10/02/2024 10:49	R354753
STANDARD METHODS 2130 E	3 FIELD								
Turbidity	*	1.0	1.0		65	NTU	1	10/02/2024 10:49	R354753
STANDARD METHODS 18TH E	D. 2580 B FIE	LD							
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-C	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)		0	0		597	mg/L	1	10/07/2024 10:16	R354253
STANDARD METHODS 2320 B						<u> </u>			
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/07/2024 10:16	R354253
STANDARD METHODS 2540 C							•		
Total Dissolved Solids	NELAP	16	20		3960	mg/L	1	10/08/2024 11:43	R354396
SW846 9056A TOTAL ANIONIC				MATAGE			•	. 5, 55, 252 1 11.40	
Fluoride	NELAP	0.20	0.50	IIIA I UUK	APH1 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	
Sulfate	NELAP	3.00	10.0		3050	mg/L	10	10/05/2024 11:29	
SW-846 3005A, 6010B, METAL						<u> </u>			
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	
Potassium	NELAP	0.040	0.100		7.62	mg/L	1	10/08/2024 13:24	
Sodium	NELAP	0.018	0.050		452	mg/L	1	10/08/2024 13:24	
SW-846 3005A, 6020A, METAL	S BY ICPMS (	( IATO							
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	
Barium	NELAP	0.7	1.0		11.9	μg/L	5	10/08/2024 13:43	
Beryllium	NELAP	0.2	1.0		< 1.0	μg/L	5	10/10/2024 10:29	
Boron	NELAP	9.2	25.0		98.3	μg/L	5	10/10/2024 10:29	
Cadmium	NELAP	0.2	1.0		< 1.0	μg/L	5	10/09/2024 10:37	
Chromium	NELAP	0.7	1.5		< 1.5	μg/L	5	10/10/2024 10:29	
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 re	sults belo	ow the rep	orting 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	220264

Client Sample ID: Equipment Blank 2



Lab ID: 24091272-083

NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24091272

Client Project: NEW-24Q4 Report Date: 12-Nov-24

Collection Date: 10/08/2024 12:50 Matrix: AQUEOUS

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 E	3 (TOTAL) 1997	, 2011							
Alkalinity, Bicarbonate (as CaCO3	) NELAP	0	0		5	mg/L	1	10/09/2024 10:27	R354395
STANDARD METHODS 2320 E	3 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 ANIONI	C COMPOUNDS	BY IOI	N CHRO	MATOGR	RAPHY				
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, METAL	S BY ICP (TOT	AL)							
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, METAL	S BY ICPMS (1	OTAL)							
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 re	sults belo	ow the rep	orting limit	t 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	< 0.2	1	10/10/2024 13:09 229476



# **Sample Summary**

#### http://www.teklabinc.com/

Lab Sample ID	Client Sample ID	Matrix	Fractions	<b>Collection Date</b>
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



#### http://www.teklabinc.com/

Batch R354753 Sa	ampType:	LCS		Units µS/cn	n						
SampID: LCS-1-JC											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field	d	*	0		1410	1412	0	99.9	90	110	10/01/2024
Batch R354753 Sa	ampType:	LCS		Units µS/cn	n						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field	d	*	0		1410	1412	0	99.9	90	110	10/02/2024
Batch R354753 Sa SampID: LCS-2-JC	атрТуре:	LCS		Units µS/cn	n						
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	4	*	0	Quai	1410	1412	0	99.9	90	110	10/02/2024
Spec. Conductance, Field	u		U		1410	1412	U	99.9	90	110	10/02/2024
Batch R354753 SampID: LCS-2-TC	ampType:	LCS		Units µS/cn	n						
		C	DI	01	D14	C:1	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses  Spec. Conductance, Field	d	Cert *	RL 0	Qual	Result	Spike 1412	0	100.1	90	110	10/03/2024
			_				_				
Batch R354753 SampID: LCS-3-JC	ampType:	LCS		Units µS/cn	n						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field	d	*	0		1410	1412	0	99.9	90	110	10/03/2024
Batch R354753 Sa	ampType:	LCS		Units µS/cn	n						
SampID: LCS-3-TC											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field	d	*	0		1420	1412	0	100.6	90	110	10/07/2024
Batch R354753 Sa SampID: LCS-4-JC	атрТуре:	LCS		Units µS/cn	n						Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field	d	*	0	-	1410	1412	0	99.9	90	110	10/07/2024
Batch R354753 Sa	ampType:	LCS		Units µS/cn	n						
SampID: LCS-4-TC											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	d	*	0		1410	1412	0	100.1	90	110	10/08/2024



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Batch R354753	SampType:	LCS		Units µS/cı	m						
SampID: LCS-5-JC											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, F	Field	*	0		1410	1412	0	99.9	90	110	10/08/2024
SW-846 9040B FIE	LD										
Batch R354753 SampID: LCS-1-JC	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН		*	1.00		7.00	7.000	0	100.0	98.57	101.4	10/01/2024
Batch R354753 SampID: LCS-1-TC	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pН		*	1.00		7.08	7.000	0	101.1	98.57	101.4	10/02/2024
Batch R354753 SampID: LCS-2-JC	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pН		*	1.00		7.01	7.000	0	100.1	98.57	101.4	10/02/2024
Batch R354753 SampID: LCS-2-TC	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pH		*	1.00	<b>,</b>	7.10	7.000	0	101.4	98.57	101.4	10/03/202
Batch R354753 SampID: LCS-3-JC	SampType:	LCS		Units							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pН		*	1.00		7.02	7.000	0	100.3	98.57	101.4	10/03/202
Batch R354753 SampID: LCS-3-TC	SampType:	LCS		Units							Date
Batch R354753 SampID: LCS-3-TC Analyses	SampType:	<b>LCS</b> Cert	RL	Units Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed



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SW-846 9040B FIELD										
Batch R354753 SampType: SampID: LCS-4-JC	LCS		Units							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	10/07/202
Batch R354753 SampType: SampID: LCS-4-TC	LCS		Units							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pH	*	1.00		7.08	7.000	0	101.1	98.57	101.4	10/08/202
Batch R354753 SampType: SampID: LCS-5-JC	LCS		Units							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
рН	*	1.00		7.02	7.000	0	100.3	98.57	101.4	10/08/202
EPA 600 350.1 (DISSOLVED)										
Batch R354239 SampType: SampID: 24100354-006GMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.20		3.66	4.000	0	91.5	90	110	10/07/202
<b>Batch R354239 SampType:</b> SampID: 24100354-006GMSD	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	<b>Q</b> 3.33	3.72	4.000	0	93.0	3.660	1.60	10/07/202
Batch R354377 SampType: SampID: 24091272-066KMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		1.00	-	26.4	20.00	7.703	93.7	90	110	10/09/202
Batch R354377 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24091272-066KMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		1.00		26.4	20.00	7.703	93.6	26.44	0.09	10/09/202



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Batch R354165 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	10/04/202
Batch R354165 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		0.98	1.000	0	98.3	90	110	10/04/2024
Batch R354165 SampType: SampID: 24100178-002CMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	mit <b>10</b>	
SampID: 24100178-002CMSD	Cont	DI	O1	Danile	C:1	SPK Ref Val	%REC	RPD Ref V	al %PDD	Date Analyzed
Analyses  Nitrogen, Ammonia (as N)	Cert	0.10	Qual	Result	Spike 2.000	0.05500	91.4	1.885	0.16	10/04/202
Batch R354165 SampType:	MS		Units mg/L							
SampID: 24100229-001CMS	~									Date
A 1		DI	0 .1	D 14	G . 11 .	SDK Ref Val	%PEC	Low Limit	High Limit	Analyzed
Analyses Nitrogen, Ammonia (as N)	Cert	1.00	Qual	Result 21.6	Spike 20.00	SPK Ref Val 3.461	%REC 90.8	Low Limit 90	High Limit	Analyzed 10/04/202
<u>'</u>	MSD		Qual Units mg/L		·				110	·
Nitrogen, Ammonia (as N)	MSD	1.00	Units <b>mg/L</b>	21.6	20.00	3.461	90.8	90 RPD Lir	110 mit <b>10</b>	10/04/202 Date
Nitrogen, Ammonia (as N)  Batch R354165 SampType: SampID: 24100229-001CMSD  Analyses		1.00 RL		21.6 Result	20.00 Spike	3.461 SPK Ref Val	90.8 %REC	90 RPD Lir RPD Ref V	110 mit <b>10</b> al %RPD	10/04/202 Date Analyzed
Nitrogen, Ammonia (as N)  Batch R354165 SampType: SampID: 24100229-001CMSD	MSD	1.00	Units <b>mg/L</b>	21.6	20.00	3.461	90.8	90 RPD Lir	110 mit <b>10</b>	10/04/202 Date
Nitrogen, Ammonia (as N)  Batch R354165 SampType: SampID: 24100229-001CMSD  Analyses	MSD Cert	1.00 RL	Units <b>mg/L</b>	21.6 Result	20.00 Spike	3.461 SPK Ref Val	90.8 %REC	90 RPD Lir RPD Ref V	110 mit <b>10</b> al %RPD	10/04/202 Date Analyzed
Nitrogen, Ammonia (as N)  Batch R354165 SampType: SampID: 24100229-001CMSD  Analyses Nitrogen, Ammonia (as N)  Batch R354165 SampType:	MSD Cert	1.00 RL 1.00	Units <b>mg/L</b> Qual	21.6 Result	20.00 Spike	3.461 SPK Ref Val	90.8 %REC 92.4	90 RPD Lir RPD Ref V	110 mit <b>10</b> al %RPD	Date Analyzed
Nitrogen, Ammonia (as N)  Batch R354165 SampType: SampID: 24100229-001CMSD  Analyses Nitrogen, Ammonia (as N)  Batch R354165 SampType: SampID: 24100249-002BMS	MSD Cert	1.00 RL 1.00	Units mg/L Qual Units mg/L	21.6  Result 22.0	20.00 Spike 20.00	3.461 SPK Ref Val 3.461	90.8 %REC 92.4	90 RPD Lir RPD Ref V 21.62	110 mit <b>10</b> al %RPD 1.54	Date Analyzed 10/04/202
Nitrogen, Ammonia (as N)  Batch R354165 SampType: SampID: 24100229-001CMSD  Analyses Nitrogen, Ammonia (as N)  Batch R354165 SampType: SampID: 24100249-002BMS  Analyses Nitrogen, Ammonia (as N)  Batch R354165 SampType:	MSD Cert	1.00 RL 1.00	Units mg/L Qual Units mg/L	Result 22.0	Spike 20.00 Spike	SPK Ref Val 3.461 SPK Ref Val	90.8  %REC  92.4  %REC	90  RPD Lir  RPD Ref Volume 21.62  Low Limit	110 mit 10 al %RPD 1.54 High Limit 110	Date Analyzed 10/04/202  Date Analyzed Analyzed
Nitrogen, Ammonia (as N)  Batch R354165 SampType: SampID: 24100229-001CMSD  Analyses Nitrogen, Ammonia (as N)  Batch R354165 SampType: SampID: 24100249-002BMS  Analyses Nitrogen, Ammonia (as N)	MSD  Cert  MS  Cert	1.00 RL 1.00	Units mg/L  Qual  Units mg/L  Qual	Result 22.0	Spike 20.00 Spike	SPK Ref Val 3.461 SPK Ref Val	90.8  %REC  92.4  %REC	90  RPD Lir  RPD Ref Volume 21.62  Low Limit 90	110 mit 10 al %RPD 1.54  High Limit 110	Date Analyzed 10/04/202  Date Analyzed Analyzed



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EPA 600 350.1 (TOTAL)										
Batch R354165 SampType:	MS		Units mg/L							
SampID: 24100277-001FMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10	S	1.96	2.000	0.3030	83.0	90	110	10/04/20
Batch R354165 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100277-001FMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10	S	2.01	2.000	0.3030	85.4	1.963	2.47	10/04/20
Batch R354165 SampType:	MS		Units mg/L							
SampID: 24100361-002CMS	~				~	ODK D-(1)/-I	0/DE0	Laure Liberte	1 Park 1 San St	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike		%REC	Low Limit	High Limit	
Nitrogen, Ammonia (as N)		0.10		1.86	2.000	0.02800	91.5	90	110	10/04/20
Batch R354165 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100361-002CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.88	2.000	0.02800	92.4	1.858	0.96	10/04/20
Batch R354165 SampType:	MS		Units mg/L							
SampID: 24100369-002FMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10	S	1.92	2.000	0.2950	81.2	90	110	10/04/20
Batch R354165 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100369-002FMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10	S	1.97	2.000	0.2950	83.9	1.920	2.72	10/04/20
Batch R354165 SampType:	MS		Units mg/L							
SampID: 24100371-001DMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10	S	2.04	2.000	0.2480	89.4	90	110	10/04/20
			Unite					RPD Lir	nit <b>10</b>	
Batch R354165 SampType:	MSD		Units mg/L							
	MSD		Units mg/L							Date
Batch R354165 SampType: SampID: 24100371-001DMSD Analyses	MSD Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		Date Analyzed



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DATIGO A T			11.50							
Batch         R354165         SampType:           SampID:         24100440-002EMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10	S	2.16	2.000	0.3900	88.4	90	110	10/04/202
Batch R354165 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24100440-002EMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10	S	2.18	2.000	0.3900	89.6	2.158	1.11	10/04/202
Batch R354239 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10	<b>Q</b> 3.332	< 0.10	0.0270	0	0	-100	100	10/07/202
Batch R354239 SampType:	LCS		Units mg/L							
SampID: ICV/LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.01	1.000	0	101.3	90	110	10/07/202
Batch R354239 SampType:	MS		Units mg/L							
SampID: 24100457-004AMS Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)	CCIT	0.10	Quai	1.91	2.000	0.03700	93.4	90	110	10/07/202
Batch R354239 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24100457-004AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.93	2.000	0.03700	94.7	1.906	1.30	10/07/202
<b>Batch R354239 SampType</b> : SampID: 24100473-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)	2011	0.10	y uui	2.01	2.000	0.1330	94.1	90	110	10/07/202
Batch R354239 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24100473-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.99	2.000	0.1330	93.0	2.014	1.05	10/07/20



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<b>Batch R354239 SampType:</b> SampID: 24100473-005AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lim	nit <b>10</b>	
SampID: 24100473-005AMSD						0DK D () ( )	0/ DE0	555 5 ()/		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		•
Nitrogen, Ammonia (as N)		0.10		1.98	2.000	0.09900	94.0	1.981	0.10	10/07/202
Batch         R354239         SampType:           SampID:         24100474-003AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10	•	2.93	2.000	1.053	93.8	90	110	10/07/202
Batch R354239 SampType:	MSD		Units mg/L					RPD Lim	nit <b>10</b>	
SampID: 24100474-003AMSD			_							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		2.93	2.000	1.053	94.0	2.929	0.17	10/07/202
Batch R354239 SampType:	MS		Units mg/L							
SampID: 24100474-005AMS Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Allaryses	Cert	ΚL	Quai	Resuit		Or it ito var	701 KE O	LOW LINING		-
Nitrogen, Ammonia (as N)		0.10	-	3.08	2.000	1.192	94.3	90	110	10/07/202
	MSD		Unite ma/l	3.08	·	1.192	94.3		-	10/07/202
Nitrogen, Ammonia (as N)  Batch R354239 SampType: SampID: 24100474-005AMSD	MSD		Units mg/L	3.08	·	1.192	94.3	90 RPD Lim	-	
Batch R354239 SampType:		0.10	Units <b>mg/L</b>	3.08 Result	2.000	1.192 SPK Ref Val	94.3 %REC		nit <b>10</b>	Date Analyzed
Batch R354239 SampType: SampID: 24100474-005AMSD	MSD Cert				·			RPD Lim	nit <b>10</b>	Date Analyzed
Batch R354239 SampType: SampID: 24100474-005AMSD  Analyses Nitrogen, Ammonia (as N)  Batch R354239 SampType:	Cert	0.10 RL		Result	2.000 Spike	SPK Ref Val	%REC	RPD Lim	nit <b>10</b>	Date Analyzed
Batch R354239 SampType: SampID: 24100474-005AMSD  Analyses  Nitrogen, Ammonia (as N)	Cert	0.10 RL 0.10	Qual	Result	2.000 Spike	SPK Ref Val 1.192	%REC 94.6	RPD Lim RPD Ref Va 3.078	nit <b>10</b> NRPD  0.23	Date Analyzed 10/07/202
Batch R354239 SampType: SampID: 24100474-005AMSD  Analyses Nitrogen, Ammonia (as N)  Batch R354239 SampType: SampID: 24100480-002BMS  Analyses	Cert	0.10  RL 0.10	Qual	Result 3.08 Result	Spike 2.000 Spike	SPK Ref Val 1.192 SPK Ref Val	%REC 94.6	RPD Lim RPD Ref Va 3.078  Low Limit	nit <b>10</b> NRPD  0.23  High Limit	Date Analyzed 10/07/202 Date Analyzed
Batch R354239 SampType: SampID: 24100474-005AMSD  Analyses  Nitrogen, Ammonia (as N)  Batch R354239 SampType: SampID: 24100480-002BMS	Cert	0.10 RL 0.10	Qual Units mg/L	Result 3.08	2.000 Spike 2.000	SPK Ref Val 1.192	%REC 94.6	RPD Lim RPD Ref Va 3.078	nit <b>10</b> NRPD  0.23	Date Analyzed 10/07/202
Batch R354239 SampType: SampID: 24100474-005AMSD  Analyses Nitrogen, Ammonia (as N)  Batch R354239 SampType: SampID: 24100480-002BMS  Analyses Nitrogen, Ammonia (as N)  Batch R354239 SampType:	Cert  MS  Cert	0.10  RL 0.10	Qual Units mg/L	Result 3.08 Result	Spike 2.000 Spike	SPK Ref Val 1.192 SPK Ref Val	%REC 94.6	RPD Lim RPD Ref Va 3.078  Low Limit	hit <b>10</b> NRPD  0.23  High Limit  110	Date Analyzed 10/07/202 Date Analyzed
Batch R354239 SampType: SampID: 24100474-005AMSD  Analyses Nitrogen, Ammonia (as N)  Batch R354239 SampType: SampID: 24100480-002BMS  Analyses Nitrogen, Ammonia (as N)	Cert  MS  Cert	0.10  RL 0.10	Qual Units <b>mg/L</b> Qual	Result 3.08 Result	Spike 2.000 Spike	SPK Ref Val 1.192 SPK Ref Val	%REC 94.6  %REC 95.2	RPD Lim RPD Ref Va 3.078  Low Limit 90	hit <b>10</b> NRPD  0.23  High Limit  110	Date Analyzed 10/07/202 Date Analyzed



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MS Cert		Units mg/L							
Cert									_
Cert	DI	Oval	Dogult	Cmileo	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
	RL 0.10	Qual	Result	Spike 2.000	0	94.6	90	110	10/07/202
	0.10		1.03	2.000	O	94.0	90	110	10/01/202
MSD		Units mg/L					RPD Lim	nit <b>10</b>	
									Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
	0.10		1.91	2.000	0	95.6	1.893	1.05	10/07/202
MBLK		Units mg/L							
									Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	0.10		< 0.10	0.0270	0	0	-100	100	10/09/202
LCS		Units mg/L							
									Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	0.10		1.07	1.000	0	107.2	90	110	10/09/202
MS		Units mg/L							
									Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	200		6480	4000	2738	93.5	90	110	10/09/202
MSD		Units mg/L					RPD Lim	nit <b>10</b>	
									Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
	200		6610	4000	2738	96.9	6477	2.08	10/09/202
MS		Units mg/L							
									Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	0.10		1.93	2.000	0	96.7	90	110	10/09/202
MSD		Units mg/L					RPD Lim	nit 10	
									Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
	Cert  MBLK Cert  LCS Cert  MS Cert  MSD Cert  MS Cert	Cert   RL   0.10	Cert RL Qual  O.10  MBLK Units mg/L  Cert RL Qual O.10  MS Units mg/L  Cert RL Qual O.10  MSD Units mg/L  Cert RL Qual 200  MSD Units mg/L  Cert RL Qual 200  MS Units mg/L  Cert RL Qual 200  MSD Units mg/L  Cert RL Qual 200  MS Units mg/L  Units mg/L  Units mg/L  Units mg/L  Units mg/L  Units mg/L  Units mg/L  Units mg/L  Units mg/L  Units mg/L	Cert         RL         Qual number         Result           0.10         1.91           MBLK         Units mg/L           Cert         RL         Qual Result           0.10         < 0.10	Cert         RL         Qual number         Result number         Spike           MBLK         Units mg/L         Vert number         Spike           Cert         RL         Qual number         Result number         Spike           0.10         Vert number         Spike         Spike         Number         Spike           Cert         RL         Qual number         Result number         Spike         Spike           Cert         RL         Qual number         Spike         Spike         Spike         Spike           MSD         Units mg/L         Vert number         Spike	Cert         RL         Qual Result 1.91         Spike 2.000         SPK Ref Val 2.000           MBLK         Units mg/L         SPK Ref Val 2.000           Cert         RL         Qual Result Spike 0.00270         SPK Ref Val 0.00270           LCS         Units mg/L         Spike SPK Ref Val 0.10         SPK Ref Val 0.10           MS         Units mg/L         Spike SPK Ref Val 0.10         SPK Ref Val 0.10           MSD         Units mg/L         Spike SPK Ref Val 0.10         SPK Ref Val 0.10           MS         Units mg/L         Spike SPK Ref Val 0.10         SPK Ref Val 0.10           MS         Units mg/L         Spike SPK Ref Val 0.10         SPK Ref Val 0.10         MSD 0.10         Units mg/L         Spike SPK Ref Val 0.10         SPK Ref Val 0.10         MSD 0.10         Units mg/L         Spike 0.10         SPK Ref Val 0.10         MSD 0.10         Units mg/L         SPK Ref Val 0.10         MSD 0.10         Units mg/L         SPK Ref Val 0.10         MSD 0.10         Units mg/L         SPK Ref Val 0.10         SPK Ref Val 0.10         MSD 0.10         Units mg/L         SPK Ref Val 0.10         MSD 0.10         MSD 0.10         SPK Ref Val 0.10         MSD 0.10         MSD 0.10         MSD 0.10         MSD 0.10         MSD 0.10         MSD 0.10         MSD 0.10         MSD 0.10	Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC           MBLK         Units mg/L         2.000         0         95.6           MBLK         Units mg/L         Spike         SPK Ref Val         %REC           Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC           LCS         Units mg/L         Spike         SPK Ref Val         %REC           0.10         1.07         1.000         0         107.2           MS         Units mg/L         Spike         SPK Ref Val         %REC           200         6480         4000         2738         93.5           MSD         Units mg/L         Spike         SPK Ref Val         %REC           Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC           MSD         Units mg/L         Spike         SPK Ref Val         %REC           0.10         1.93         2.000         0         96.7           MSD         Units mg/L         Spike         SPK Ref Val         %REC           Cert         RL         Qual         Result         Spike         S	Cert         RL         Qual Nesult         Spike SPK Ref Val (NREC)         RPD Ref Val (NREC)         RPD Ref Val (NREC)         RPD Ref Val (NREC)         RPD Ref Val (NREC)         Low Limit           MBLK         Units mg/L           Cert         RL         Qual Result         Spike SPK Ref Val (NREC)         Low Limit           0.10         -0.10         0.0270         0         0         -100           LCS         Units mg/L         Spike SPK Ref Val (NREC)         Low Limit         -107         1.000         0         107.2         90           MS         Units mg/L         Spike SPK Ref Val (NREC)         Low Limit	Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         RPD Ref Val         %RPD           MBLK         Units mg/L         2.000         0         95.6         1.893         1.05           MBLK         Units mg/L         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit           LCS         Units mg/L         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit           MS         Units mg/L         Cert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit           MSD         Units mg/L         RPD Limit 10           MSD         Units mg/L         RPD Ref Val         %REC         RPD Ref Val         %RPD           MS         Units mg/L         RPD Limit 10           MS         Units mg/L         RPD Ref Val         %REC         Low Limit         High Limit           Cert         RL         Qual         Result         Spike         SPK Ref Val



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Cert RL 0.10  Cert RL 0.10  Cert RL 0.10  Cert RL 0.10  Cert RL 0.10	Units mg/L  Qual  Units mg/L  Qual  Units mg/L  Qual	Result 2.21  Result 2.20  Result 2.11	Spike 2.000  Spike 2.000  Spike 2.000  Spike 2.000	SPK Ref Val 0.3220  SPK Ref Val 0.3220  SPK Ref Val 0.2280  SPK Ref Val 0.2280	93.9 %REC 93.9	Low Limit 90  RPD Lin  RPD Ref Va 2.210  Low Limit 90  RPD Lin  RPD Ref Va 2.106	0.45  High Limit  110	Date Analyzed  10/09/2024  Date Analyzed  10/09/2024  Date Analyzed  10/09/2024  Date Analyzed  10/09/2024
0.10  Cert RL 0.10  Cert RL 0.10  Cert RL 0.10	Units mg/L  Qual  Units mg/L  Qual  Units mg/L	Result 2.20  Result 2.11	Spike 2.000  Spike 2.000  Spike	SPK Ref Val 0.3220  SPK Ref Val 0.2280  SPK Ref Val	94.4  %REC 93.9  %REC 93.9	90  RPD Lin  RPD Ref Va 2.210  Low Limit 90  RPD Lin  RPD Ref Va	110  nit 10  al %RPD  0.45  High Limit  110  nit 10	Date Analyzed 10/09/2024 Date Analyzed 10/09/2024 Date Analyzed Date Analyzed
Cert RL 0.10 Cert RL 0.10	Units mg/L  Qual  Units mg/L  Qual  Units mg/L  Qual	Result 2.20  Result 2.11	Spike 2.000 Spike 2.000	SPK Ref Val 0.3220 SPK Ref Val 0.2280	%REC 93.9  %REC 93.9	RPD Lin  RPD Ref Va 2.210  Low Limit 90  RPD Lin  RPD Ref Va	nit 10 al %RPD 0.45  High Limit 110  nit 10	Date Analyzed  10/09/202  Date Analyzed  10/09/202  Date Analyzed  Analyzed
Cert RL 0.10  Cert RL 0.10  Cert RL 0.10	Qual  Units mg/L  Qual  Units mg/L  Qual	Result 2.11 Result	Spike 2.000 Spike	0.3220 SPK Ref Val 0.2280 SPK Ref Val	93.9  %REC  93.9  %REC	RPD Ref Va 2.210  Low Limit 90  RPD Lin	High Limit 110 nit 10	Analyzed  10/09/202  Date Analyzed  10/09/202  Date Analyzed  Analyzed
0.10 Cert RL 0.10 Cert RL 0.10	Units mg/L  Qual  Units mg/L  Units mg/L	Result 2.11 Result	Spike 2.000 Spike	0.3220 SPK Ref Val 0.2280 SPK Ref Val	93.9  %REC  93.9  %REC	2.210  Low Limit 90  RPD Lin	High Limit 110 nit 10	Date Analyzed  10/09/202  Date Analyzed  10/09/202  Date Analyzed
0.10 Cert RL 0.10 Cert RL 0.10	Units mg/L  Qual  Units mg/L  Units mg/L	Result 2.11 Result	Spike 2.000 Spike	0.3220 SPK Ref Val 0.2280 SPK Ref Val	93.9  %REC  93.9  %REC	2.210  Low Limit 90  RPD Lin	High Limit 110 nit 10	Date Analyzed 10/09/202
Cert RL 0.10 Cert RL 0.10	Units mg/L  Qual  Units mg/L  Qual  Units mg/L	Result 2.11 Result	Spike 2.000 Spike	SPK Ref Val 0.2280 SPK Ref Val	%REC 93.9 %REC	Low Limit 90 RPD Lin RPD Ref Va	High Limit 110 nit 10	Date Analyzed 10/09/202 Date Analyzed
0.10 Cert RL 0.10	Qual Units mg/L Qual Units mg/L	2.11 Result	2.000 Spike	0.2280 SPK Ref Val	93.9 %REC	90 RPD Lin RPD Ref Va	110 nit <b>10</b> al %RPD	Analyzed  10/09/202  Date Analyzed
0.10 Cert RL 0.10	Units mg/L Qual Units mg/L	2.11 Result	2.000 Spike	0.2280 SPK Ref Val	93.9 %REC	90 RPD Lin RPD Ref Va	110 nit <b>10</b> al %RPD	Analyzed  10/09/202  Date Analyzed
0.10 Cert RL 0.10	Units mg/L Qual Units mg/L	2.11 Result	2.000 Spike	SPK Ref Val	%REC	RPD Lin	nit <b>10</b>	Date Analyzed
0.10	Qual Units mg/L	Result	•			RPD Ref Va	al %RPD	Analyzed
0.10	Units <b>mg/L</b>		•					Analyzed
0.10	Units <b>mg/L</b>		•					•
	Units mg/L	2.12	2.000	0.2280	94.7	2.106	0.76	10/09/202
Cert RL	_							
Cert RL	O1							
eit KL		Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
0.10	Qual	2.23	2.000	0.3570	93.8	90	110	10/09/202
)	Units mg/L					RPD Lin	nit <b>10</b>	
	J							Date
Cert RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
0.10		2.17	2.000	0.3570	90.8	2.234	2.72	10/09/202
	Units mg/L							
								Date
Cert RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
0.10		1.89	2.000	0.03100	92.8	90	110	10/09/202
)	Units mg/L					RPD Lin	nit <b>10</b>	
								Date
		D 1			O/DEO		J 0/ DDD	Analyzed
	0.10	ert RL Qual 0.10 Units mg/L	0.10 <b>1.89</b>	ert RL Qual Result Spike 0.10 1.89 2.000 Units mg/L	ert         RL         Qual         Result         Spike         SPK Ref Val           0.10         1.89         2.000         0.03100   Units mg/L	ert         RL         Qual         Result         Spike         SPK Ref Val         %REC           0.10         1.89         2.000         0.03100         92.8   Units mg/L	ert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit           0.10         1.89         2.000         0.03100         92.8         90   Units mg/L RPD Line	ert         RL         Qual         Result         Spike         SPK Ref Val         %REC         Low Limit         High Limit           0.10         1.89         2.000         0.03100         92.8         90         110



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EPA 600 350.1 (TOTAL)  Ratch R354493 SampType:	MDIK		Units mg/L							
Batch R354493 SampType: SampID: ICB/MBLK	WIDLK		Onits mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	10/11/2024
Batch R354493 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.03	1.000	0	102.5	90	110	10/11/2024
<b>Batch R354493 SampType:</b> SampID: 24100831-002CMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	mit <b>10</b>	
SampID: 24100831-002CMSD	C and	DI	0.4	D 1	G. 11	SPK Ref Val	% DEC	RPD Ref V	al %PDD	Date Analyzed
Analyses  Nitrogen, Ammonia (as N)	Cert	RL 0.10	Qual	Result	Spike 2.000	0.2690	92.2	2.108	0.19	10/11/202
Transgeri, 7 ariirioriia (as 14)		0.10		2.11	2.000	0.2000	02.2	2.100	0.10	10/11/202
<b>Batch R354493 SampType:</b> SampID: 24100833-007BMS	MS		Units mg/L							Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)	CCIT	0.10	Quai	1.85	2.000	0	92.5	90	110	10/11/202
Batch R354493 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100833-007BMSD	_					0014.0	0/ DE 0	DDD D ()/		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		
Nitrogen, Ammonia (as N)		0.10		1.83	2.000	0	91.6	1.850	1.03	10/11/202
Batch         R354493         SampType:           SampID:         24100862-002BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
		0.10		1.90	2.000	0.02900	93.5	90	110	10/11/202
Nitrogen, Ammonia (as N)										
	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
Batch R354493 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	Date
	MSD Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	RPD Lir		Date Analyzed
Batch R354493 SampType: SampID: 24100862-002BMSD		RL 0.10	_	Result	Spike 2.000	SPK Ref Val 0.02900	%REC 93.5			



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Batch R354493 SampType:	MS		Units mg/L							
SampID: 24100933-002CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lin	nit <b>10</b>	
SampID: 24100933-002CMSD	_				~	0DK D-(1)/-1	0/ DE0	DDD D-(1)/-	-1 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		•
Nitrogen, Ammonia (as N)		0.10		1.87	2.000	0	93.4	1.874	0.27	10/11/2024
<b>Batch R354493 SampType:</b> SampID: 24100940-001DMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)	Cort	0.10	Çuui	4.64	2.000	2.749	94.4	90	110	10/11/202
Batch R354493 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24100940-001DMSD			III &							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Ammonia (as N)	Cort	0.10	Çuui	4.61	2.000	2.749	93.2	4.637	0.54	10/11/202
Batch R354493 SampType:	MS		Units mg/L							
SampID: 24101024-004DMS			J							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10	<b>Q</b> 0.00	1.92	2.000	0	95.8	90	110	10/11/202
Batch R354493 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24101024-004DMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.89	2.000	0	94.3	1.917	1.63	10/11/202
Batch R354493 SampType:	MS		Units mg/L							
SampID: 24101046-011BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.10		1.86	2.000	0.03500	91.4	90	110	10/11/202
Batch R354493 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
										D-11-
SampID: 24101046-011BMSD										Date
SampID: 24101046-011BMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
·	Cert	RL 0.10	Qual	Result	Spike 2.000	SPK Ref Val 0.03500	%REC 91.6	RPD Ref Va	al %RPD 0.16	



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Batch R354493	· -			11.74							
SampID: 24101051-	SampType: -001CMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (a	as N)		0.10		1.88	2.000	0	94.2	90	110	10/11/202
Batch R354493	SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24101051-	-001CMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		Analyzed
Nitrogen, Ammonia (a	as N)		0.10		1.89	2.000	0	94.4	1.884	0.16	10/11/202
<b>Batch R354493</b> SampID: 24101075-	SampType: -001CMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (a	as N)		0.10		2.16	2.000	0.3040	92.8	90	110	10/11/202
Batch R354493	SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24101075-	-001CMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Ammonia (a	as N)		0.10		2.17	2.000	0.3040	93.1	2.159	0.32	10/11/202
STANDARD METH	HODS 2540 (	C (TOTAL)	1997	, 2011							
Batch R354396	CompTuper	MELIZ		Links							
	SampType:	MBLK		Units mg/L							Date
	Samp Type:	Cert	RL	J	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: MBLK			RL 20	Qual	Result	Spike 16.00	SPK Ref Val	%REC	Low Limit	High Limit	
SampID: MBLK Analyses	s			J						Ū	Analyzed 10/08/202
SampID: MBLK  Analyses  Total Dissolved Solid	s s		20	J	< 20	16.00	0	0	-100	100	Analyzed 10/08/202 10/08/202
SampID: MBLK  Analyses  Total Dissolved Solid:  Total Dissolved Solid:  Total Dissolved Solid:  Batch R354396	s s	Cert	20 20	J	< 20 < 20	16.00 16.00	0	0	-100 -100	100 100	Analyzed 10/08/202 10/08/202
SampID: MBLK  Analyses  Total Dissolved Solid:  Total Dissolved Solid:  Total Dissolved Solid:  Batch R354396	s s s	Cert	20 20 20	Qual Units mg/L	< 20 < 20	16.00 16.00 16.00	0 0 0	0 0 0	-100 -100 -100	100 100 100	Analyzed 10/08/202 10/08/202 10/08/202 Date
SampID: MBLK  Analyses  Total Dissolved Solid: Total Dissolved Solid: Total Dissolved Solid:  Batch R354396  SampID: LCS  Analyses	s s SampType:	Cert	20 20 20 RL	Qual	<20 <20 <20	16.00 16.00 16.00 Spike	0 0 0 SPK Ref Val	0 0 0 %REC	-100 -100 -100 Low Limit	100 100 100 100	Analyzed  10/08/202  10/08/202  10/08/202  Date Analyzed
SampID: MBLK  Analyses  Total Dissolved Solid: Total Dissolved Solid: Total Dissolved Solid:  Batch R354396 SampID: LCS  Analyses  Total Dissolved Solid:	s s SampType:	Cert	20 20 20 RL 20	Qual Units mg/L	<20 <20 <20 <20 Result	16.00 16.00 16.00 Spike	0 0 0 SPK Ref Val	0 0 0 %REC 95.8	-100 -100 -100	100 100 100 100 High Limit	Analyzed  10/08/202  10/08/202  10/08/202  Date Analyzed  10/08/202
SampID: MBLK  Analyses  Total Dissolved Solid: Total Dissolved Solid: Total Dissolved Solid:  Batch R354396 SampID: LCS  Analyses  Total Dissolved Solid: Total Dissolved Solid:	SampType:	Cert	20 20 20 RL	Qual Units mg/L	<20 <20 <20 <20 Result 958	16.00 16.00 16.00 Spike	0 0 0 SPK Ref Val	0 0 0 %REC 95.8 94.2	-100 -100 -100 Low Limit	100 100 100 100	Analyzed  10/08/202  10/08/202  10/08/202  Date Analyzed
SampID: MBLK  Analyses  Total Dissolved Solid: Total Dissolved Solid: Total Dissolved Solid:  Batch R354396 SampID: LCS  Analyses  Total Dissolved Solid:	SampType:	Cert	20 20 20 RL 20	Qual Units mg/L	<20 <20 <20 <20 Result	16.00 16.00 16.00 Spike	0 0 0 SPK Ref Val	0 0 0 %REC 95.8	-100 -100 -100 Low Limit	100 100 100 100 High Limit	Analyzed  10/08/202  10/08/202  10/08/202  Date Analyzed  10/08/202
SampID: MBLK  Analyses  Total Dissolved Solid: Total Dissolved Solid: Total Dissolved Solid:  Batch R354396 SampID: LCS  Analyses  Total Dissolved Solid: Total Dissolved Solid: Total Dissolved Solid: Total Dissolved Solid: Total Dissolved Solid:  Batch R354396	SampType:  SampType:	Cert  LCS  Cert	20 20 20 RL 20 20	Qual Units mg/L	<20 <20 <20 <20 Result 958	16.00 16.00 16.00 Spike 1000 1000	0 0 0 SPK Ref Val 0	0 0 0 %REC 95.8 94.2	-100 -100 -100 Low Limit 90 90	100 100 100 High Limit 110 110	Analyzed  10/08/202  10/08/202  10/08/202  Date Analyzed  10/08/202  10/08/202
SampID: MBLK  Analyses Total Dissolved Solid: Total Dissolved Solid: Total Dissolved Solid: Batch R354396 SampID: LCS  Analyses Total Dissolved Solid: Total Dissolved Solid:	SampType:  SampType:	Cert  LCS  Cert	20 20 20 RL 20 20	Qual Units mg/L Qual	<20 <20 <20 <20 Result 958	16.00 16.00 16.00 Spike 1000 1000	0 0 0 SPK Ref Val 0	0 0 0 %REC 95.8 94.2 95.0	-100 -100 -100 Low Limit 90 90	100 100 100 100 High Limit 110 110	Analyzed  10/08/202  10/08/202  10/08/202  Date Analyzed  10/08/202  10/08/202



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Batch R354396 Sa	mpType:	DUP		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24100454-001	ADUP										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Total Dissolved Solids			100		2580				2530	1.96	10/08/2024
Batch R354452 SampID: MBLK	ітрТуре:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20	-	< 20	16.00	0	0	-100	100	10/09/2024
Batch R354452 Sa	ımpType:	LCS		Units mg/L							Dete
Analyses		Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		CCIT	20	Quai	956	1000	0	95.6	90	110	10/09/2024
Batch R354452 Sa	ımpType:	DUP		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24100661-005				-			00// 0///				Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va		·
Total Dissolved Solids			50		370				405.0	9.03	10/09/202
Batch R354508 SampID: MBLK	ітрТуре:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	10/10/202
Batch R354508 Sa SampID: LCS	ітрТуре:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		964	1000	0	96.4	90	110	10/10/202
Batch R354508 Sa SampID: 24100661-001	impType: ADUP	DUP		Units mg/L					RPD Lir	mit <b>10</b>	Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Total Dissolved Solids			50	-	360	•			380.0	5.41	10/10/202
Batch R354573 Sa SampID: MBLK	ітрТуре:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
1 III II Y D C D											



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Batch R354573	SampType:	LCS		Units mg/L							
SampID: LCS											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		978	1000	0	97.8	90	110	10/11/2024
2 44441	SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100660-00	01ADUP	_					00140 4141	0/550	555 5 (V		Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		
Total Dissolved Solids			100		3500				3630	3.65	10/11/2024
Batch R355559 SampID: MBLK	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
- 4.00.1	SampType:	LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	•
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
	SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24101487-00	02BDUP	~				~	CDK D-f V-l	0/ DEC	DDD D-41/	-I 0/DDD	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		
Total Dissolved Solids			67	Н	972				939.1	3.48	10/31/2024
	SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24102240-00 Analyses	U4BDUP	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Total Dissolved Solids			20	Н	508				480.0	5.67	10/31/2024
Batch R355559	SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24102290-00	01BDUP										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Dissolved Solids			20		444				488.0	9.44	10/31/202



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Batch R354181 SampType:	MS		Units mg/L							
SampID: 24091272-001GMS	_				~	0DK D-(1)/-1	0/ DEO	1 1 29	115-6-15-5	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	,
Nitrogen, Nitrite (as N)		0.05		0.45	0.5000	0	90.2	85	115	10/05/2024
<b>Batch R354181 SampType:</b> SampID: 24091272-001GMSD	MSD		Units mg/L					RPD Lim	nit <b>10</b>	Dete
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	ıl %RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	<b>Q</b> 3.332	0.46	0.5000	0	92.2	0.4510	2.19	10/05/2024
<b>Batch R354181 SampType:</b> SampID: 24091272-056BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)	COL	0.05	Çuui	0.50	0.5000	0	99.0	85	115	10/04/2024
Batch R354181 SampType:	MSD		Units mg/L					RPD Lim	nit <b>10</b>	
SampID: 24091272-056BMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	ıl %RPD	Date Analyzed
Nitrogen, Nitrite (as N)	CCIT	0.05	Quai	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	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)	Cort	0.05	Quai	0.50	0.5000	0	100.0	85	115	10/04/2024
<b>Batch R354181 SampType:</b> SampID: 24091272-070BMSD	MSD		Units mg/L					RPD Lim	nit <b>10</b>	
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	ıl %RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	Quui	0.50	0.5000	0	100.0	0.5000	0.00	10/04/2024
Batch         R354242         SampType:           SampID:         24091272-028BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lim	nit <b>10</b>	
SampID: 24091272-028BMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	0/855	RPD Ref Va		Date Analyzed



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Batch R354242 SampType:	MS		Units mg/L							
SampID: 24091272-080BMS			ŭ							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05	<b>Q</b> 3.332	0.46	0.5000	0	92.2	85	115	10/07/2024
Batch R354242 SampType:	MSD		Units mg/L					RPD Lir	mit 10	
SampID: 24091272-080BMSD			oog							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	91.8	0.4610	0.43	10/07/2024
Batch         R354322         SampType:           SampID:         24091272-039BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	nit <b>10</b>	
SampID: 24091272-039BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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 (TO	OTAL)	2000, 2011							
Batch R354181 SampType: SampID: MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	10/05/202
	MS		Units mg/L							Date
Batch R354181 SampType: SampID: 24100440-001AMS Analyses	MS Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed



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Batch R354181 SampType:	MSD		Units mg/L					RPD Lim	nit <b>10</b>	
SampID: 24100440-001AMSD										Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	99.2	0.4960	0.00	10/04/202
Batch R354242 SampType: SampID: MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/07/202
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/07/202
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/07/202
Batch R354242 SampType: SampID: LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)	0010	0.05	Q trus	0.31	0.3045	0	101.5	90	110	10/07/202
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	98.9	90	110	10/07/202
Nitrogen, Nitrite (as N)		0.05		0.31	0.3045	0	101.5	90	110	10/07/202
Batch R354242 SampType: SampID: 24100570-002AMS Analyses	MS Cert	RL	Units mg/L Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)	Cort	0.05	Quui	0.53	0.5000	0.09600	87.6	85	115	10/07/202
	MSD		Units mg/L					RPD Lim	nit <b>10</b>	
Ratch R354242 SampType:			Office Hig/L							
SampID: 24100570-002AMSD		<b>D.</b>		<b>D</b>	a	CDV Def Vel	0/ DEC	DDD Det Ve	.I. 0/ DDD	Date Analyzed
SampID: 24100570-002AMSD  Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va		Analyzed
SampID: 24100570-002AMSD  Analyses		RL 0.05		Result 0.52	Spike 0.5000	SPK Ref Val 0.09600	%REC 85.8	RPD Ref Va 0.5340	1.70	Analyzed
SampID: 24100570-002AMSD  Analyses  Nitrogen, Nitrite (as N)  Batch R354242 SampType:	Cert									Analyzed 10/07/202 Date
SampID: 24100570-002AMSD  Analyses  Nitrogen, Nitrite (as N)  Batch R354242 SampType: SampID: 24100599-001AMS	Cert		Qual				85.8			Analyzed 10/07/202
Analyses Nitrogen, Nitrite (as N)  Satch R354242 SampType: EampID: 24100599-001AMS  Analyses	Cert MS	0.05	Qual Units mg/L	0.52	0.5000	0.09600 SPK Ref Val	85.8	0.5340	1.70	Analyzed 10/07/202 Date
SampID: 24100570-002AMSD  Analyses Nitrogen, Nitrite (as N)  Batch R354242 SampType: SampID: 24100599-001AMS  Analyses Nitrogen, Nitrite (as N)  Batch R354242 SampType:	Cert MS	0.05	Qual Units mg/L	0.52 Result	0.5000 Spike	0.09600 SPK Ref Val	85.8 %REC	0.5340 Low Limit	1.70 High Limit 115	Analyzed  10/07/202  Date Analyzed
SampID: 24100570-002AMSD  Analyses Nitrogen, Nitrite (as N)  Batch R354242 SampType: SampID: 24100599-001AMS  Analyses Nitrogen, Nitrite (as N)	Cert  MS  Cert	0.05	Qual Units mg/L Qual	0.52 Result	0.5000 Spike	0.09600 SPK Ref Val	85.8 %REC 94.6	0.5340 Low Limit 85	1.70  High Limit  115	Analyzed  10/07/20  Date Analyzed



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STANDARD METHODS	4500-l	NO2 B (TO	OTAL)	2000, 2011							
Batch R354322 Samp SampID: MBLK	рТуре:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	10/08/202
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	10/08/202
Batch R354322 Samp SampID: LCS	рТуре:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)			0.05	•	0.30	0.3045	0	97.2	90	110	10/08/202
Nitrogen, Nitrite (as N)			0.05		0.31	0.3045	0	100.8	90	110	10/08/202
SampID: 24091272-003EM	pType:		DI	Units mg/L	D 1	0.1	SPK Ref Val	%REC	Low Limit	Lligh Limit	Date Analyzed
Analyses Nitrita (as Ni		Cert	RL	Qual	Result	Spike			Low Limit	Ū	
Nitrogen, Nitrite (as N)			0.05		0.46	0.5000	0	92.8	85	115	10/08/202
<b>Batch R354322 Sam</b> SampID: 24091272-003EM	pType: //SD	MSD		Units mg/L					RPD Lir	nit <b>10</b>	Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrite (as N)			0.05		0.46	0.5000	0	93.0	0.4640	0.22	10/08/202
Batch R354322 Samp SampID: 24100753-001AN	pType:	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)			0.05		0.55	0.5000	0.05300	99.4	85	115	10/08/202
Batch R354322 Samp SampID: 24100753-001AN	p <b>Type:</b> //SD	MSD		Units mg/L					RPD Lir	mit <b>10</b>	Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrite (as N)			0.05		0.55	0.5000	0.05300	99.6	0.5500	0.18	10/08/202
Batch R354393 Samp	рТуре:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	10/09/202
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	10/09/202



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STANDARD METHODS 4500-	NOZ B (TO	JIAL)	2000, 2011							
Batch R354393 SampType:	LCS		Units mg/L							
SampID: LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	104.1	90	110	10/09/202
Nitrogen, Nitrite (as N)		0.05		0.31	0.3045	0	101.1	90	110	10/09/202
Batch         R354393         SampType:           SampID:         24100827-001AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0.02000	90.2	85	115	10/09/202
Batch R354393 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100827-001AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0.02000	90.4	0.4710	0.21	10/09/202
Batch R354393 SampType:	MS		Units mg/L							
SampID: 24100891-001CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrite (as N)		0.05		0.44	0.5000	0	87.8	85	115	10/09/202
Batch R354393 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100891-001CMSD	~				~	ODK D-()/-I	0/050	DDD D-()/	-I 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		·
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	93.4	0.4390	6.18	10/09/202
STANDARD METHODS 4500-	NO3 F (DI	SSOLV	•	2011						
Batch         R354208         SampType:           SampID:         24091272-049BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.236	0.2500	0	94.4	85	115	10/04/202
Batch R354208 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24091272-049BMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
1 mai yoco	CCIT	KL	Quai	0.239	Spire	0	95.6	· · ·	. , , ,	



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	NO3 F (TO		2000, 2011							
Batch R354208 SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	-
Nitrogen, Nitrate (as N)		0.050		< 0.050						10/04/202
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	10/04/202
Batch R354208 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.519	0.5000	0	103.8	90	110	10/04/202
Batch R354208 SampType:	MS		Units mg/L							
SampID: 24100440-002AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.580	0.2500	0.3540	90.4	85	115	10/04/20
Batch R354208 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100440-002AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.595	0.2500	0.3540	96.4	0.5800	2.55	10/04/20
Batch R354282 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate (as N)		0.050		< 0.050	<b>-v</b>					10/07/20
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	10/07/20
Batch R354282 SampType:	LCS		Units mg/L							
SampID: ICV/LCS	~				~	ODK D-( ) (-)	0/050	Laure Liberte	1 Park 1 Park	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit		-
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.497	0.5000	0	99.4	90	110	10/07/20
<b>Batch R354282 SampType:</b> SampID: 24091272-078EMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500	Н	4.40	2.500	2.100	92.1	85	115	10/07/20



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STANDARD METHODS 4500-I Batch R354282 SampType:		•	<b>2000, 2011</b> Jnits <b>mg/L</b>					RPD Lir	nit 10	
SamplD: 24091272-078EMSD	IVISD	,	JIIIIS IIIG/L					KPU LII	IIIL IU	
•	<b>a</b> .	DI	0 1	D 1.	g :1	CDI/ Dof Val	0/ DEC		al 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		,
Nitrogen, Nitrate-Nitrite (as N)		0.500	Н	4.43	2.500	2.100	93.2	4.402	0.63	10/07/2024
Batch R354282 SampType:	MS	l	Jnits <b>mg/L</b>							
SampID: 24100475-002AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	l	Jnits <b>mg/L</b>					RPD Lir	mit <b>10</b>	
SampID: 24100475-002AMSD						001/0 ///		555 5 ()(		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		
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	l	Jnits <b>mg/L</b>							
SampID: 24100475-003AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	l	Jnits <b>mg/L</b>					RPD Lir	nit <b>10</b>	
SampID: 24100475-003AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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	l	Jnits <b>mg/L</b>							
SampID: 24100570-002AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	l	Jnits <b>mg/L</b>					RPD Lir	nit <b>10</b>	
SampID: 24100570-002AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		44.1	12.50	32.04	96.2	44.79	1.62	10/07/202



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Batch R354336 SampType	: MBLK		Units mg/L							
SampID: ICB/MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	~				~	0DK D-(1/4)	0/ DEO	Laure Liberte	118-4-12-2	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	•
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 Lir	nit <b>10</b>	
SampID: 24100183-002BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.522	0.5000	0	104.4	90	110	10/09/2024
	: MS		Units mg/L							
24001	: MS		Units <b>mg/L</b>							Date
2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	: MS Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: 24100679-001AMS			-	Result 65.9	Spike 50.00	SPK Ref Val	%REC 97.3	Low Limit	High Limit	



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Batch R354410 SampType:	MSD	Uni	its mg/L					RPD Lin	nit <b>10</b>	
SamplD: 24100679-001AMSD			J -							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		10.0	Q uui	66.0	50.00	17.26	97.5	65.89	0.16	10/09/2024
Batch         R354410         SampType:           SampID:         24100715-001AMS	MS	Uni	ts mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		33.9	12.50	21.57	98.7	90	110	10/09/2024
<b>Batch R354410 SampType:</b> SampID: 24100715-001AMSD	MSD	Uni	ts <b>mg/L</b>					RPD Lin	nit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	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: SampID: 24100723-005AMS	MS	Uni	ts mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	Uni	its <b>mg/L</b>					RPD Lin	nit <b>10</b>	
SampID: 24100723-005AMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.248	0.2500	0.01400	93.6	0.2420	2.45	10/09/202
<b>Batch R354410 SampType:</b> SampID: 24100827-001AMS	MS	Uni	ts mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		42.8	12.50	30.09	101.8	90	110	10/09/202
Batch R354410 SampType:	MSD	Uni	its <b>mg/L</b>					RPD Lin	nit <b>10</b>	
SampID: 24100827-001AMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
,	20.0				~ p					



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<b>Batch</b> R354258 SampType: SampID: MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		50		< 50	17.00	0	0	-100	100	10/07/202
Batch R354258 SampType: SampID: LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		50		121	112.0	0	107.9	90	110	10/07/202
Batch         R354258         SampType:           SampID:         24100061-001CMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		100		1030	1000	41.77	99.0	90	110	10/07/202
<b>Batch R354258 SampType:</b> SampID: 24100061-001CMSD	MSD		Units mg/L					RPD Lir	mit <b>10</b>	Data
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Chemical Oxygen Demand	CCIT	100	Quai	1050	1000	41.77	100.4	1032	1.27	10/07/202
Batch R354258 SampType: SampID: 24100339-001CMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		100		1100	1000	0	109.8	90	110	10/07/202
Batch R354258 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SamplD: 24100339-001CMSD	C	DI	0 1	D 1	gu.	SPK Ref Val	0/ DEC	RPD Ref V	al %PDD	Date Analyzed
Analyses Chemical Oxygen Demand	Cert	100	Qual	Result 1060	Spike 1000	0	106.3	1098	3.25	10/07/202
<b>Batch R354258 SampType:</b> SampID: 24100500-002CMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		100		1040	1000	17.61	101.9	90	110	10/07/202
<b>Batch</b> R354258 SampType: SampID: 24100500-002CMSD	MSD		Units mg/L					RPD Lir	mit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed



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Batch R354258 SampType:	MS		Units mg/L							
SampID: 24100500-010CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		100		1020	1000	24.20	99.5	90	110	10/07/2024
Batch R354258 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24100500-010CMSD										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va	, , ,	•
Chemical Oxygen Demand		100		1020	1000	24.20	99.9	1019	0.43	10/07/2024
Batch R354318 SampType: SampID: MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		50		< 50	17.00	0	0	-100	100	10/08/2024
Batch R354318 SampType:	LCS		Units mg/L							
SampID: LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	G.	D.			a	CDI/ Def Val	0/ DEC	l ou limit	lliab Limit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	•
Chemical Oxygen Demand		100		1020	1000	30.79	98.8	90	110	10/08/2024
Batch         R354318         SampType:           SampID:         24100348-001KMSD	MSD		Units mg/L					RPD Lin	nit <b>10</b>	Date
	MSD Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	RPD Lin		Date Analyzed
SampID: 24100348-001KMSD		RL 100	·	Result	Spike 1000	SPK Ref Val 30.79	%REC 97.9			
SampID: 24100348-001KMSD Analyses	Cert		·					RPD Ref Va	al %RPD	Analyzed
SampID: 24100348-001KMSD  Analyses  Chemical Oxygen Demand  Batch R354318 SampType:	Cert	100	Qual				97.9	RPD Ref Va	al %RPD	Analyzed 10/08/2024
SampID: 24100348-001KMSD  Analyses  Chemical Oxygen Demand  Batch R354318 SampType: SampID: 24100568-001BMS	Cert MS	100	Qual Units mg/L	1010	1000	30.79	97.9	RPD Ref Va	0.87	Analyzed 10/08/2024 Date
Analyses Chemical Oxygen Demand  Batch R354318 SampType: SampID: 24100568-001BMS  Analyses Chemical Oxygen Demand  Batch R354318 SampType:	Cert MS	100 RL	Qual Units mg/L	1010 Result	1000 Spike	30.79 SPK Ref Val	97.9 %REC	RPD Ref Va	ol.87  High Limit	Analyzed  10/08/2024  Date Analyzed
SampID: 24100348-001KMSD  Analyses Chemical Oxygen Demand  Batch R354318 SampType: SampID: 24100568-001BMS  Analyses Chemical Oxygen Demand	Cert  MS  Cert	100 RL	Qual Units mg/L Qual	1010 Result	1000 Spike	30.79 SPK Ref Val	97.9 %REC	RPD Ref Va 1019 Low Limit 90	ol.87  High Limit	Analyzed  10/08/2024  Date Analyzed



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Batch R354318 SampType:	MS		Units mg/L							
SampID: 24100568-002BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		100		993	1000	0	99.3	90	110	10/08/2024
Batch R354318 SampType:	MSD		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24100568-002BMSD										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		
Chemical Oxygen Demand		100		1010	1000	0	100.6	992.6	1.32	10/08/2024
Batch R354318 SampType:	DUP		Units mg/L					RPD Lin	nit <b>10</b>	
SampID: 24092239-006CDUP	a	D.	0 1	<b>5</b> 1	a	CDK D-f \/-l	0/ DEC	DDD D-4 \/.	-I 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%KEU	RPD Ref Va		•
Chemical Oxygen Demand		50		< 50				0	0.00	10/08/2024
Batch R354400 SampType:	MBLK		Units mg/L							
SampID: MBLK										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		50		< 50	17.00	0	0	-100	100	10/09/2024
Batch R354400 SampType:	LCS		Units mg/L							
SampID: LCS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chemical Oxygen Demand		100		993	1000	0	99.3	85	115	10/09/2024
								RPD Lin	nit <b>10</b>	
Batch R354400 SampType:	MSD		Units mg/L							_
	MSD		Units mg/L							Date
	MSD Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
SampID: 24091272-083LMSD		RL 100	_	Result 988	Spike 1000	SPK Ref Val	%REC 98.8	RPD Ref Va 992.6	al %RPD 0.44	Analyzed
SampID: 24091272-083LMSD  Analyses  Chemical Oxygen Demand	Cert		_		•					
SampID: 24091272-083LMSD  Analyses  Chemical Oxygen Demand	Cert		Qual		•					Analyzed



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Batch R354400 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100773-001CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	10/08/202
Batch 229355 SampType:	LCS		Units mg/L							
SampID: LCS 241007 TCN1										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.026	0.0250	0	103.4	90	110	10/08/202
Batch 229355 SampType:	MS		Units mg/L							
SampID: 24100349-001CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.023	0.0250	0	90.1	90	110	10/08/202
Batch 229355 SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24100349-001CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Cyanide		0.005		0.023	0.0250	0	93.8	0.02254	3.98	10/08/202
<b>Batch 229355 SampType:</b> SampID: 24100465-001EMS	MS		Units mg/L							Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	Cert	0.025	S	0.153	•	0.1182	138.7	90	110	10/08/202
Sydinac		0.023	J	0.100	0.0230	J. 1102	100.7	30	110	10/00/202
Batch 229355 SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24100465-001EMSD						00K D-() ( )	0/050	DDD D ()	-I 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		-
Cyanide		0.025	SR	0.195	0.0250	0.1182	308.3	0.1529	24.35	10/08/202



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SW-846 9012A (TOTAL)	MC		Jnits mg/L							
<b>Batch 229355 SampType:</b> SampID: 24100606-002AMS	MS	,	Jillis IIIg/L							Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	Cort	0.005	Quai	0.026	0.0250	0	104.9	90	110	10/08/202
Batch 229355 SampType:	MSD	ι	Jnits <b>mg/L</b>					RPD Lin	nit <b>15</b>	
SampID: 24100606-002AMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		Analyzed
Cyanide		0.005		0.026	0.0250	0	104.9	0.02624	0.08	10/08/202
Batch 229413 SampType:	MBLK	l	Jnits <b>mg/L</b>							
SampID: MBLK 241008 TCN1										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	10/11/202
Batch 229413 SampType:	LCS	l	Jnits <b>mg/L</b>							
SampID: LCS 241008 TCN1										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.026	0.0250	0	102.2	90	110	10/11/202
Batch 229413 SampType:	MS	l	Jnits <b>mg/L</b>							
SampID: 24091272-053DMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		0.026	0.0250	0.001785	95.3	75	125	10/11/202
Batch 229413 SampType:	MSD	l	Jnits <b>mg/L</b>					RPD Lin	nit <b>15</b>	
SampID: 24091272-053DMSD										Date
Oampib. 24031272 033bWob			0 1	Dagult		00140 (141	%REC	DDD Dof Va	al %RPD	Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	70TCLO	KED Kei va		
	Cert	RL 0.005	Qual	0.025	Spike 0.0250	0.001785	94.7	0.02562	0.59	10/11/202
Analyses Cyanide  Batch 229413 SampType:		0.005	Jnits mg/L							10/11/202
Analyses Cyanide  Batch 229413 SampType:		0.005								Date
Analyses Cyanide  Batch 229413 SampType:		0.005		0.025		0.001785 SPK Ref Val	94.7			
Analyses Cyanide  Batch 229413 SampType: SampID: 24100572-001CMS	MS	0.005 L	Jnits <b>mg/L</b>	0.025	0.0250	0.001785	94.7	0.02562	0.59	Date Analyzed
Analyses Cyanide  Batch 229413 SampType: SampID: 24100572-001CMS Analyses	MS	0.005 RL 0.025	Jnits <b>mg/L</b>	0.025	0.0250 Spike	0.001785 SPK Ref Val	94.7 %REC	0.02562 Low Limit	0.59  High Limit 110	Date
Analyses Cyanide  Batch 229413 SampType: SampID: 24100572-001CMS  Analyses Cyanide	<b>MS</b> Cert	0.005 RL 0.025	Jnits <b>mg/L</b> Qual	0.025	0.0250 Spike	0.001785 SPK Ref Val	94.7 %REC	0.02562 Low Limit 90	0.59  High Limit 110	Date Analyzed



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Batch 229491 SampType:	MBLK		Units mg/L							
SampID: MBLK 241009 TCN1										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	10/11/202
Batch 229491 SampType: SampID: LCS 241009 TCN1	LCS		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.005	•	0.025	0.0250	0	99.4	90	110	10/11/202
<b>Batch 229491 SampType:</b> SampID: 24100722-001BMS	MS		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.050	S	0.335	0.0250	0.2786	226.1	90	110	10/13/202
Batch 229491 SampType:	MSD		Units <b>mg/L</b>					RPD Lir	mit <b>15</b>	
SampID: 24100722-001BMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
			_							
Cyanide		0.050	S	0.298	0.0250	0.2786	77.2	0.3351	11.76	10/13/202
•	HONIC CO		-				77.2	0.3351	11.76	10/13/202
SW846 9056A DISSOLVED AN		OMPOU	-				77.2	0.3351	11.76	10/13/202
SW846 9056A DISSOLVED AN Batch R354124 SampType:		OMPOU	NDS BY I				77.2	0.3351	11.76	10/13/202
SW846 9056A DISSOLVED AN Batch R354124 SampType:		OMPOU	NDS BY I					0.3351 Low Limit		
SW846 9056A DISSOLVED AN Batch R354124 SampType: SampID: 24091272-001GMS	MS	OMPOU	NDS BY IO	ON CHROMA	TOGRAP	нү				Date
SW846 9056A DISSOLVED AN Batch R354124 SampType: SampID: 24091272-001GMS Analyses	MS	OMPOU RL	NDS BY IO	ON CHROMA  Result	TOGRAP Spike	<b>HY</b> SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SW846 9056A DISSOLVED AN Batch R354124 SampType: SampID: 24091272-001GMS  Analyses Chloride Sulfate  Batch R354124 SampType:	MS	RL 5.00 10.0	NDS BY IO	Result	Spike	SPK Ref Val	%REC 110.6	Low Limit 80	High Limit 120 120	Date Analyzed
SW846 9056A DISSOLVED AN Batch R354124 SampType: SampID: 24091272-001GMS  Analyses Chloride Sulfate  Batch R354124 SampType: SampID: 24091272-001GMSD	MS Cert	RL 5.00 10.0	Units mg/L  Qual  Units mg/L	Result 436 1220	Spike 200.0 200.0	SPK Ref Val 214.5 1019	%REC 110.6 99.4	Low Limit 80 80 RPD Lir	High Limit 120 120 120 mit <b>15</b>	Date Analyzed 10/04/202 10/04/202
SW846 9056A DISSOLVED AN Batch R354124 SampType: SampID: 24091272-001GMS  Analyses Chloride Sulfate  Batch R354124 SampType: SampID: 24091272-001GMSD  Analyses	MS Cert	RL 5.00 10.0	NDS BY IOUNITS mg/L Qual	Result 436 1220  Result	Spike 200.0 200.0 Spike	SPK Ref Val 214.5 1019 SPK Ref Val	%REC 110.6 99.4 %REC	Low Limit 80 80 RPD Lin	High Limit 120 120 mit <b>15</b>	Date Analyzed 10/04/202 10/04/202 Date Analyzed
SW846 9056A DISSOLVED AN Batch R354124 SampType: SampID: 24091272-001GMS  Analyses Chloride Sulfate  Batch R354124 SampType: SampID: 24091272-001GMSD  Analyses Chloride	MS Cert	RL 5.00 10.0	Units mg/L  Qual  Units mg/L	Result 436 1220  Result 437	Spike 200.0 Spike 200.0	SPK Ref Val 214.5 1019 SPK Ref Val 214.5	%REC 110.6 99.4 %REC 111.2	Low Limit 80 80 RPD Lin RPD Ref Vo	High Limit 120 120 mit 15 al %RPD 0.31	Date Analyzed 10/04/202 10/04/202 Date Analyzed
SW846 9056A DISSOLVED AN Batch R354124 SampType: SampID: 24091272-001GMS  Analyses Chloride Sulfate  Batch R354124 SampType: SampID: 24091272-001GMSD  Analyses	MS Cert	RL 5.00 10.0	Units mg/L  Qual  Units mg/L	Result 436 1220  Result	Spike 200.0 200.0 Spike	SPK Ref Val 214.5 1019 SPK Ref Val	%REC 110.6 99.4 %REC	Low Limit 80 80 RPD Lin	High Limit 120 120 mit <b>15</b>	Date Analyzed 10/04/202 10/04/202 Date Analyzed
SW846 9056A DISSOLVED AN Batch R354124 SampType: SampID: 24091272-001GMS  Analyses Chloride Sulfate  Batch R354124 SampType: SampID: 24091272-001GMSD  Analyses Chloride Sulfate  Butch R354124 SampType:	MSD Cert	RL 5.00 10.0 RL 5.00 10.0	Units mg/L  Qual  Units mg/L	Result 436 1220  Result 437	Spike 200.0 Spike 200.0	SPK Ref Val 214.5 1019 SPK Ref Val 214.5	%REC 110.6 99.4 %REC 111.2	Low Limit 80 80 RPD Lin RPD Ref Vo	High Limit 120 120 mit 15 al %RPD 0.31	Date Analyzed 10/04/202 10/04/202 Date Analyzed
SW846 9056A DISSOLVED AN Batch R354124 SampType: SampID: 24091272-001GMS  Analyses Chloride Sulfate  Batch R354124 SampType: SampID: 24091272-001GMSD  Analyses Chloride Sulfate  Bulfate SampType:	MSD Cert	RL 5.00 10.0 RL 5.00 10.0	Units mg/L  Qual  Units mg/L  Qual	Result 436 1220  Result 437	Spike 200.0 Spike 200.0	SPK Ref Val 214.5 1019 SPK Ref Val 214.5	%REC 110.6 99.4 %REC 111.2 100.7	Low Limit 80 80 RPD Lin RPD Ref Vo	High Limit 120 120 mit 15 al %RPD 0.31	Date Analyzed 10/04/202 10/04/202 Date Analyzed 10/04/202
SW846 9056A DISSOLVED AN Batch R354124 SampType: SampID: 24091272-001GMS  Analyses Chloride Sulfate  Batch R354124 SampType: SampID: 24091272-001GMSD  Analyses Chloride Sulfate  Batch R354124 SampType: SampID: 24091272-046BMS	MSD Cert MSD MSD	RL 5.00 10.0 RL 5.00 10.0	Units mg/L  Qual  Units mg/L  Qual	Result 436 1220  Result 437 1220	Spike 200.0 200.0 Spike 200.0 200.0	SPK Ref Val 214.5 1019 SPK Ref Val 214.5 1019	%REC 110.6 99.4 %REC 111.2 100.7	Low Limit 80 80 RPD Lin RPD Ref V 435.6 1218	High Limit 120 120 mit 15 al %RPD 0.31 0.22	Date Analyzed 10/04/202 10/04/202 Date Analyzed 10/04/202 10/04/202
SW846 9056A DISSOLVED AN Batch R354124 SampType: SampID: 24091272-001GMS  Analyses Chloride Sulfate  Batch R354124 SampType: SampID: 24091272-001GMSD  Analyses Chloride Sulfate  Batch R354124 SampType: SampID: 24091272-046BMS  Analyses Analyses	MSD Cert MSD MSD	RL 5.00 10.0 10.0 RL 5.00 RL	Units mg/L  Qual  Units mg/L  Qual	Result 436 1220  Result 437 1220	Spike 200.0 200.0 Spike 200.0 Spike	SPK Ref Val 214.5 1019 SPK Ref Val 214.5 1019	%REC 110.6 99.4  %REC 111.2 100.7	Low Limit  80  80  RPD Lin  RPD Ref V:  435.6  1218	High Limit 120 120 mit 15 al %RPD 0.31 0.22 High Limit	Date Analyzed  10/04/20: 10/04/20:  Date Analyzed  10/04/20:  Date Analyzed  Analyzed



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Batch R354124	SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24091272-04	16BMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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
<b>Batch R354124 \$</b> SampID: 24091272-07	SampType: 79BMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate			10.0		3200	200.0	3003	96.8	80	120	10/05/2024
2 411111	SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24091272-07	79BMSD	a	D.1	0 1	<b>5</b>	a	CDK D-f V-l	0/ DEC	DDD D-41/	-I 0/DDD	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		
Sulfate			10.0		3180	200.0	3003	90.3	3196	0.41	10/05/2024
<b>Batch R354124</b> SampID: 24100354-00		MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 S	SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SamplD: 24100354-00 Analyses	1BMSD	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Fluoride		CCIT	0.50	Quai	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 S	SampType: 02BMS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
7 Mary 3C3						40.00	0	10F 1	90	400	10/04/202
Fluoride			0.50		10.5	10.00	U	105.1	80	120	10/04/202
			5.00		216	200.0	11.71	102.0	80	120	10/04/202



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D / 1 D254424 CompType	MCD		Units mg/L			HY		RPD Lin	oit 4E	
<b>Batch R354124 SampType:</b> SampID: 24100354-002BMSD	MISD		Units mg/L					KPD LIN	nit 15	
·	<b>a</b> .	DI	0 1	D 1.	G 11	CDK Dof Vol	0/ DEC		-l 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		-
Fluoride		0.50		10.5	10.00	0	105.3	10.51	0.18	10/04/202
Chloride		5.00		216	200.0	11.71	102.2	215.7	0.20	10/04/202
Sulfate		10.0		429	200.0	234.2	97.5	430.1	0.21	10/04/202
Batch R354124 SampType: SampID: 24100354-003BMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.50		10.4	10.00	0	103.9	80	120	10/04/202
Chloride		5.00		248	200.0	39.84	103.9	80	120	10/04/20
Sulfate		10.0		610	200.0	408.3	101.1	80	120	10/04/20
Batch R354124 SampType:	MSD	Units mg/L RPD Limit 15						nit <b>15</b>		
SamplD: 24100354-003BMSD			J							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Fluoride		0.50	<b>X</b>	10.4	10.00	0	103.7	10.39	0.20	10/04/20
Chloride		5.00		247	200.0	39.84	103.8	247.7	0.09	10/04/20
Sulfate		10.0		607	200.0	408.3	99.2	610.5	0.61	10/04/20
Batch R354259 SampType:	MS		Units mg/L							
SampID: 24091272-005BMS										Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Sulfate		10.0		299	200.0	109.6	94.6	80	120	10/08/20
Batch R354259 SampType:	MSD		Units mg/L				RPD Limit 15			
SampID: 24091272-005BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Sulfate		10.0		300	200.0	109.6	95.0	298.8	0.29	10/08/20
Batch R354259 SampType:	MS		Units mg/L							
SampID: 24091272-028BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.50		10.5	10.00	0.2880	101.9	80	120	10/08/20
Chloride		5.00		258	200.0	49.68	104.1	80	120	10/08/20



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Batch R354259 SampT	ype: MSD	Units mg/L				RPD Limit 15				
SampID: 24091272-028BMS	D									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Fluoride		0.50		10.4	10.00	0.2880	101.5	10.48	0.35	10/08/202
Chloride		5.00		257	200.0	49.68	103.9	257.9	0.16	10/08/202
Sulfate		10.0		444	200.0	249.9	96.9	444.7	0.26	10/08/202
<b>Batch R354345 SampT</b> SampID: 24091272-002GMS	ype: MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Chloride		5.00		278	200.0	67.83	105.2	80	120	10/09/202
Sulfate		10.0		285	200.0	94.39	95.3	80	120	10/09/202
<b>Batch R354345 SampT</b> SampID: 24091272-002GMS	ype: MSD	SD Units mg/L				RPD Limit 15				
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val %RPD		Analyzed
Chloride		5.00		280	200.0	67.83	106.2	278.2	0.73	10/09/202
Sulfate		10.0		287	200.0	94.39	96.4	285.1	0.73	10/09/202
Batch R354345 SampT SampID: 24091272-039BMS	ype: MS		Units mg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.50	Q uui	11.0	10.00	0.3580	106.0	80	120	10/09/202
Chloride		5.00		239	200.0	32.49	103.1	80	120	10/09/202
Sulfate		10.0		216	200.0	27.08	94.2	80	120	10/09/202
Batch R354345 SampT			Units mg/L				RPD Limit 15			
SampID: 24091272-039BMS Analyses	D Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Fluoride		0.50		11.0	10.00	0.3580	106.5	10.96	0.50	10/09/202
Chloride		5.00		240	200.0	32.49	104.0	238.6	0.75	10/09/202
Chloride		0.00			_00.0					



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	SampType:	MBLK		Units mg/L							
SampID: MBLK/ICB							00/00/1/1				Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	,
Fluoride			0.05		ND						10/04/202
Chloride			0.50		ND						10/04/202
Sulfate			1.00		ND						10/04/202
Batch R354124 SampID: LCS/ICV/Q	SampType:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.05		1.01	1.000	0	100.5	90	110	10/04/202
Chloride			0.50		20.1	20.00	0	100.5	90	110	10/04/202
Sulfate			1.00		18.4	20.00	0	91.9	90	110	10/04/202
<b>Batch R354124</b> SampID: 24091272-0 Analyses		MS Cert	RL	Units mg/L Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		CCIT	0.50	Quai	10.7	10.00	0.2690	104.4	80	120	10/05/202
Chloride			5.00		353	200.0	134.2	109.4	80	120	10/05/202
Sulfate			10.0		2090	200.0	1908	91.3	80	120	10/05/202
Batch R354124	SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24091272-0 Analyses	008AMSD	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Fluoride			0.50		10.7	10.00	0.2690	104.1	10.71	0.25	10/05/202
Chloride			5.00		352	200.0	134.2	108.8	353.0	0.36	10/05/202
Sulfate			10.0		2080	200.0	1908	84.3	2090	0.67	10/05/202
<b>Batch R354124</b> SampID: 24100176-0	SampType:	MS		Units mg/L							Doto
		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
				Quai	Nosult	Phire				J =	
Analyses		Cert		¥		1.000	0.8095	108.1	80	120	10/04/20:
Analyses Fluoride Chloride		Cert	0.06 0.55	•	1.89 43.9	1.000 20.00	0.8095 21.41	108.1 112.7	80 80	120 120	10/04/20: 10/04/20:



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Batch R354124 SampT	ype: MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24100176-001AMS	D									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Fluoride		0.06		1.89	1.000	0.8095	107.9	1.891	0.09	10/04/202
Chloride		0.55		43.8	20.00	21.41	112.2	43.95	0.24	10/04/202
Sulfate		1.10		51.3	20.00	31.14	100.6	51.30	0.06	10/04/202
<b>Batch R354124 SampT</b> SampID: 24100331-001AMS			Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.50		11.8	10.00	1.509	103.1	80	120	10/04/20
Chloride		5.00		293	200.0	81.52	105.6	80	120	10/04/20
Sulfate		10.0		389	200.0	200.1	94.7	80	120	10/04/20
<b>Batch R354124 SampT</b> SampID: 24100331-001AMS	ype: MSD		Units mg/L					RPD Lir	nit <b>15</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Fluoride		0.50		11.8	10.00	1.509	103.3	11.82	0.18	10/04/20
Chloride		5.00		294	200.0	81.52	106.2	292.6	0.43	10/04/20
Sulfate		10.0		390	200.0	200.1	95.1	389.5	0.22	10/04/20
Batch         R354124         SampT           SampID:         24100334-001AMS	ype: MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.06		1.63	1.000	0.6668	96.4	80	120	10/04/20
Chloride		0.55		126	20.00	105.1	105.8	80	120	10/04/20
Sulfate		1.10		131	20.00	110.4	104.0	80	120	10/04/20
Batch R354124 SampT	ype: MSD		Units mg/L					RPD Lir	nit <b>15</b>	
	D		01	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
	Cert	RL	Quai	rcsurt						
	Cert	RL 0.06	Qual	1.65	1.000	0.6668	98.0	1.631	0.94	10/04/20
SampID: 24100334-001AMS  Analyses  Fluoride  Chloride	Cert		Quai			0.6668 105.1	98.0 105.2	1.631 126.2	0.94 0.09	10/04/20 10/04/20



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	SampType:	MS		Units mg/L							
SampID: 24100387-00	2AMS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.50		11.6	10.00	1.139	104.8	80	120	10/05/202
Chloride			5.00		464	200.0	241.6	111.3	80	120	10/05/202
Sulfate			10.0		378	200.0	184.8	96.5	80	120	10/05/202
<b>Batch R354124 S</b> SampID: 24100387-00	SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	_
Analyses	ZAWOD	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Fluoride		2	0.50		11.7	10.00	1.139	105.1	11.62	0.32	10/05/202
Chloride			5.00		466	200.0	241.6	111.9	464.2	0.28	10/05/202
Sulfate			10.0		379	200.0	184.8	97.3	377.8	0.42	10/05/202
Batch R354124 S SampID: 24100440-00 Analyses	SampType: 1AMS	MS Cert	RL	Units mg/L 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	10/05/202
Chloride			5.00		233	200.0	24.82	104.0	80	120	10/05/202
Sulfate			10.0		235	200.0	47.24	94.1	80	120	10/05/202
	SampType:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24100440-00	1AMSD	Cont	DI	Oval	Dagult	Cmileo	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Analyses Fluoride		Cert	0.50	Qual	Result	Spike 10.00	0	106.8	10.68	0.01	10/05/202
Chloride			5.00		234	200.0	24.82	104.5	232.8	0.43	10/05/202
Sulfate			10.0		236	200.0	47.24	94.4	235.3	0.32	10/05/202
DOI/050 C	· · · · · · · · · · · · · · · · · · ·	MANUE		Halia II							
Batch R354259 S SampID: MBLK/ICB	SampType:	WBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.05		ND						10/08/202
riuonide											
Chloride			0.50		ND						10/08/202



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Batch R354259 SampType:	LCS		Units mg/L							
SampID: LCS/ICV/QCS			oog							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride	3017	0.05	Q uui	1.01	1.000	0	101.0	90	110	10/08/202
Chloride		0.50		20.2	20.00	0	100.8	90	110	10/08/202
Sulfate		1.00		18.8	20.00	0	93.8	90	110	10/08/202
<b>Batch R354259 SampType:</b> SampID: 24091272-006AMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.50		10.3	10.00	0	103.2	80	120	10/08/202
Chloride		5.00		239	200.0	33.34	103.1	80	120	10/08/202
Sulfate		10.0		1040	200.0	832.2	101.6	80	120	10/08/202
Batch R354259 SampType: SampID: 24091272-006AMSD	MSD		Units mg/L					RPD Lir	mit <b>15</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Fluoride		0.50		10.4	10.00	0	103.9	10.32	0.73	10/08/202
Chloride		5.00		240	200.0	33.34	103.5	239.5	0.40	10/08/202
Chloride Sulfate		5.00 10.0		240 1030	200.0	33.34 832.2	103.5 99.2	239.5 1035	0.40 0.47	
Sulfate  Batch R354259 SampType:	MS		Units mg/L							10/08/202 10/08/202 Date
Sulfate  Batch R354259 SampType: SampID: 24100507-001AMS	MS Cert		Units <b>mg/L</b> Qual				99.2		0.47	10/08/202
Sulfate  Batch R354259 SampType:		10.0	_	1030	200.0	832.2	99.2	1035	0.47	10/08/202 Date
Sulfate  Batch R354259 SampType: SampID: 24100507-001AMS  Analyses		10.0 RL	_	1030 Result	200.0 Spike	832.2 SPK Ref Val	99.2 %REC	1035 Low Limit	0.47 High Limit	10/08/202 Date Analyzed
Sulfate  Batch R354259 SampType: SampID: 24100507-001AMS  Analyses Fluoride		10.0 RL 0.50	_	Result 10.7	200.0 Spike 10.00	832.2 SPK Ref Val 0.4870	99.2 %REC 102.2	Low Limit	0.47 High Limit	Date Analyzed 10/08/20
Sulfate  Batch R354259 SampType: SampID: 24100507-001AMS  Analyses Fluoride Chloride Sulfate  Batch R354259 SampType:	Cert	10.0 RL 0.50 5.00	_	Result 10.7 235	200.0 Spike 10.00 200.0	832.2 SPK Ref Val 0.4870 28.27	99.2 %REC 102.2 103.6	Low Limit 80 80	0.47  High Limit 120 120 120	Date Analyzed 10/08/202 10/08/202 10/08/202
Sulfate  Batch R354259 SampType: SampID: 24100507-001AMS  Analyses Fluoride Chloride Sulfate  Batch R354259 SampType: SampID: 24100507-001AMSD	Cert	10.0 RL 0.50 5.00 10.0	Qual Units mg/L	Result 10.7 235 353	200.0 Spike 10.00 200.0	832.2 SPK Ref Val 0.4870 28.27	%REC 102.2 103.6 97.7	Low Limit 80 80 80	0.47  High Limit 120 120 120 120	Date Analyzed
Sulfate  Batch R354259 SampType: SampID: 24100507-001AMS  Analyses Fluoride Chloride Sulfate  Batch R354259 SampType: SampID: 24100507-001AMSD	Cert	10.0 RL 0.50 5.00	Qual	Result 10.7 235	Spike 10.00 200.0 200.0	SPK Ref Val 0.4870 28.27 157.8	%REC 102.2 103.6 97.7	Low Limit 80 80 80 RPD Lin	0.47  High Limit 120 120 120 120	Date Analyzed 10/08/202 10/08/202 Date
Sulfate  Batch R354259 SampType: SampID: 24100507-001AMS  Analyses Fluoride Chloride Sulfate  Batch R354259 SampType: SampID: 24100507-001AMSD  Analyses	Cert	RL 0.50 5.00 10.0	Qual Units mg/L	Result 10.7 235 353 Result	Spike 10.00 200.0 200.0 Spike	SPK Ref Val 0.4870 28.27 157.8	%REC 102.2 103.6 97.7	Low Limit 80 80 80 RPD Lir	0.47  High Limit 120 120 120 mit 15  al %RPD	Date Analyzed 10/08/202 10/08/202 10/08/202 Date Analyzed



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Batch R354259 SampT	ype: MS		Units mg/L							
SampID: 24100536-001AMS Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Fluoride	Cert	0.50	Quai	10.4	10.00	0.3240	100.7	80	120	10/08/202
Chloride		5.00		320	200.0	105.6	107.0	80	120	10/08/202
Sulfate		10.0		251	200.0	61.48	94.8	80	120	10/08/202
Batch R354259 SampT	ype: MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24100536-001AMS Analyses	D Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Fluoride	COIT	0.50	Quui	10.5	10.00	0.3240	101.5	10.40	0.76	10/08/202
Chloride		5.00		322	200.0	105.6	108.1	319.7	0.64	10/08/202
Sulfate		10.0		253	200.0	61.48	95.7	251.1	0.73	10/08/202
Batch R354259 SampT SampID: 24100656-001AMS		DI	Units mg/L	D l4	C-:1	SPK Ref Val	%PEC	Low Limit	High Limit	Date Analyzed
Analyses Fluoride	Cert	RL 0.50	Qual	Result	Spike 10.00	0.5760	104.3	80	120	10/09/202
Chloride		5.00		224	200.0	18.53	104.5	80	120	10/09/202
Sulfate		10.0		190	200.0	0	95.0	80	120	10/09/202
Batch R354259 SampT	ype: MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24100656-001AMS Analyses	D Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Fluoride		0.50		11.1	10.00	0.5760	105.7	11.01	1.23	10/09/202
Chloride		5.00		225	200.0	18.53	103.1	223.7	0.41	10/09/202
Sulfate		10.0		191	200.0	0	95.5	190.0	0.55	10/09/202
<b>Batch R354259 SampT</b> SampID: 24100661-001AMS	ype: MS		Units mg/L				_			Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride		0.06		2.08	1.000	1.043	103.5	80	120	10/08/202
Chloride		0.55		26.1	20.00	4.840	106.4	80	120	10/08/202
Sulfate		1.10		30.4	20.00	10.62	99.0	80	120	10/08/202



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Batch R354259	SampType:	MSD		Units mg/L					RPD Lir	nit <b>15</b>	
SampID: 24100661-0	001AMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Fluoride			0.06		2.08	1.000	1.043	104.1	2.078	0.30	10/08/202
Chloride			0.55		26.2	20.00	4.840	106.8	26.12	0.34	10/08/202
Sulfate			1.10		30.5	20.00	10.62	99.3	30.42	0.21	10/08/202
Batch R354345 SampID: MBLK/ICB	SampType:	MBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.05		ND						10/09/202
Chloride			0.50		ND						10/09/202
Sulfate			1.00		ND						10/09/202
Batch R354345 SampID: LCS/ICV/Q0	SampType:	LCS		Units mg/L							
•	CS	Cert	RΙ	Oual	Result	Snike	SPK Ref Val	%REC	Low Limit	Hiah Limit	Date Analyzed
Analyses Fluoride		Cert	RL 0.05	Qual	Result	Spike	SPK Ref Val	%REC 104.0	Low Limit	High Limit	Analyzed
Analyses		Cert		Qual		•					Analyzed 10/09/202
Analyses Fluoride		Cert	0.05	Qual	1.04	1.000	0	104.0	90	110	
Analyses Fluoride Chloride Sulfate  Batch R354345	SampType:		0.05 0.50	Qual Units mg/L	1.04 20.2	1.000	0	104.0 100.8	90 90	110 110	Analyzed  10/09/202  10/09/202  10/09/202  Date
Analyses Fluoride Chloride Sulfate  Batch R354345	SampType:		0.05 0.50	Ì	1.04 20.2	1.000	0	104.0 100.8	90 90	110 110	Analyzed 10/09/202 10/09/202 10/09/202
Analyses Fluoride Chloride Sulfate  Batch R354345 SampID: 24100715-0	SampType:	MS	0.05 0.50 1.00	Units mg/L	1.04 20.2 18.8	1.000 20.00 20.00	0 0 0	104.0 100.8 93.9	90 90 90	110 110 110	Analyzed  10/09/202  10/09/202  10/09/202  Date Analyzed
Analyses Fluoride Chloride Sulfate  Batch R354345 SampID: 24100715-0 Analyses	SampType:	MS	0.05 0.50 1.00	Units mg/L	1.04 20.2 18.8 Result	1.000 20.00 20.00 Spike	0 0 0 SPK Ref Val	104.0 100.8 93.9	90 90 90 Low Limit	110 110 110 110	Analyzed  10/09/202  10/09/202  10/09/202  Date
Analyses Fluoride Chloride Sulfate  Batch R354345 SamplD: 24100715-0 Analyses Fluoride	SampType:	MS	0.05 0.50 1.00 RL 0.50	Units mg/L	1.04 20.2 18.8 Result	1.000 20.00 20.00 Spike 10.00	0 0 0 SPK Ref Val 0.7490	104.0 100.8 93.9 %REC 106.3	90 90 90 Low Limit 80	110 110 110 110 High Limit	Analyzed  10/09/202  10/09/202  10/09/202  Date Analyzed  10/09/202
Analyses Fluoride Chloride Sulfate  Batch R354345 SampID: 24100715-0 Analyses Fluoride Chloride Sulfate  Batch R354345	SampType: 002AMS SampType:	<b>MS</b> Cert	0.05 0.50 1.00 RL 0.50 5.00	Units mg/L	1.04 20.2 18.8 Result 11.4	1.000 20.00 20.00 Spike 10.00 200.0	0 0 0 SPK Ref Val 0.7490 185.3	104.0 100.8 93.9 %REC 106.3 111.2	90 90 90 Low Limit 80 80	110 110 110 High Limit 120 120	Analyzed  10/09/202  10/09/202  10/09/202  Date Analyzed  10/09/202  10/09/202  10/09/202
Analyses Fluoride Chloride Sulfate  Batch R354345 SampID: 24100715-0 Analyses Fluoride Chloride Sulfate  Batch R354345 SampID: 24100715-0	SampType: 002AMS SampType:	MS Cert	0.05 0.50 1.00 RL 0.50 5.00 10.0	Units mg/L Qual Units mg/L	1.04 20.2 18.8 Result 11.4 408 231	1.000 20.00 20.00 Spike 10.00 200.0 200.0	0 0 0 SPK Ref Val 0.7490 185.3	104.0 100.8 93.9 %REC 106.3 111.2 95.7	90 90 90 Low Limit 80 80	110 110 110 110 High Limit 120 120 120	Analyzed  10/09/202  10/09/202  10/09/202  Date Analyzed  10/09/202  10/09/202
Analyses Fluoride Chloride Sulfate  Batch R354345 SampID: 24100715-0 Analyses Fluoride Chloride Sulfate  Batch R354345 SampID: 24100715-0	SampType: 002AMS SampType:	MS Cert	0.05 0.50 1.00 RL 0.50 5.00	Units <b>mg/L</b> Qual	1.04 20.2 18.8 Result 11.4	1.000 20.00 20.00 Spike 10.00 200.0	0 0 0 SPK Ref Val 0.7490 185.3 39.50	104.0 100.8 93.9 %REC 106.3 111.2 95.7	90 90 90 Low Limit 80 80 80	110 110 110 110 High Limit 120 120 120	Analyzed  10/09/202  10/09/202  10/09/202  Date Analyzed  10/09/202  10/09/202  Date Analyzed
Analyses Fluoride Chloride Sulfate  Batch R354345 SampID: 24100715-0 Analyses Fluoride Chloride Sulfate  Batch R354345 SampID: 24100715-0 Analyses	SampType: 002AMS SampType:	MS Cert	0.05 0.50 1.00 RL 0.50 5.00 10.0	Units mg/L Qual Units mg/L	1.04 20.2 18.8 Result 11.4 408 231	1.000 20.00 20.00 Spike 10.00 200.0 200.0	0 0 0 SPK Ref Val 0.7490 185.3 39.50	104.0 100.8 93.9 %REC 106.3 111.2 95.7	90 90 90 Low Limit 80 80 80 RPD Lin	110 110 110 110 High Limit 120 120 120	Analyzed  10/09/202  10/09/202  10/09/202  Date Analyzed  10/09/202  10/09/202  Date



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SW846 9056A TOTAL	ANIONI	COMPC	JUNDS	DI ION C	IIIOWATOC	ווו ואאוכ					
	npType:	MS		Units mg/L							
SampID: 24100728-002A	MS										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.50		11.1	10.00	0.4490	106.5	80	120	10/09/202
Chloride			5.00		307	200.0	91.10	108.1	80	120	10/09/20
Sulfate			10.0		222	200.0	31.20	95.5	80	120	10/09/20
Batch R354345 Sam	прТуре:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24100728-002A	MSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Fluoride			0.50		11.1	10.00	0.4490	106.6	11.10	0.05	10/09/20
Chloride			5.00		306	200.0	91.10	107.7	307.2	0.25	10/09/20
Sulfate			10.0		221	200.0	31.20	95.1	222.3	0.37	10/09/20
<b>Batch R354345 Sam</b> SampID: 24100804-001A	npType: MS	MS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Fluoride			0.50		10.8	10.00	0.2050	105.5	80	120	10/10/20
Chloride			5.00		365	200.0	144.2	110.1	80	120	10/10/20
Sulfate			10.0		211	200.0	22.20	94.3	80	120	10/10/20
Batch R354345 Sam	прТуре:	MSD		Units mg/L					RPD Lir	mit <b>15</b>	
SampID: 24100804-001A	MSD	Court	RL	01	D 14	C:1	SPK Ref Val	%REC	RPD Ref V	al %PPD	Date Analyzed
Analyses Fluoride		Cert	0.50	Qual	Result	Spike 10.00	0.2050	105.8	10.76	0.28	10/10/20
Chloride			5.00		362	200.0	144.2	108.7	364.5	0.79	10/10/20
Sulfate			10.0		211	200.0	22.20	94.2	210.9	0.12	10/10/20
SW-846 9060A	<b></b>	MDUK		Halia manif							
Batch R354202 Sam SampID: ICB/MBLK	npType:	WIBLK		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Organic Carbon (TO	C)		1.0		< 1.0	0.4500	0	0	-100	100	10/04/20
Batch R354202 Sam SampID: ICV/LCS	прТуре:	LCS		Units mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Organic Carbon (TO	C)		1.0		4.7	5.000	0	94.4	90	110	10/04/20



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SW-846 9060A										
Batch R354202 SampType:	MS		Units mg/L							
SampID: 24100348-001JMS	_					0DK D ()/ I	0/550	1 12 9	10.11.5	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	
Total Organic Carbon (TOC)		1.0		10.0	5.000	4.780	103.8	85	115	10/04/202
Batch R354202 SampType: SampID: 24100348-001JMSD	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Total Organic Carbon (TOC)	CCIT	1.0	Quai	10.0	5.000	4.780	103.8	9.970	0.00	10/04/202
Batch R354202 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100348-001JDUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		4.8				4.780	0.21	10/04/202
Batch R354202 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100350-001JDUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		7.7				7.680	0.13	10/04/202
Batch R354202 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100391-007ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		20.0		20.4				20.47	0.44	10/04/202
Batch R354202 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100391-008ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		20.0		63.4				61.87	2.41	10/04/202
Batch R354202 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100391-009ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V		Analyzed
Total Organic Carbon (TOC)		20.0		30.2				29.95	0.96	10/04/202
Batch R354202 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100452-001CDUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		2.2				2.200	0.90	10/04/20



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Batch R354427 SampType: SampID: ICB/MBLK	MBLK		Units <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	10/08/202
Batch R354427 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Organic Carbon (TOC)		1.0		4.8	5.000	0	96.2	90	110	10/08/202
Batch R354427 SampType: SampID: 24091272-068EMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Organic Carbon (TOC)		2.0		17.8	10.00	7.170	106.0	85	115	10/08/202
Batch R354427 SampType:	MSD		Units mg/L					RPD Lir	nit <b>10</b>	
SampID: 24091272-068EMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Total Organic Carbon (TOC)		2.0		17.6	10.00	7.170	103.9	17.77	1.19	10/08/202
Batch R354519 SampType:	MBLK		Units mg/L							
SampID: ICB/MBLK		DI	-	D 1	G '1	SDK Dof Val	0/ DEC	Low Limit	∐iah Limit	Date Analyzed
SampID: ICB/MBLK  Analyses	MBLK Cert	RL	Units mg/L Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	Analyzed
SampID: ICB/MBLK		RL 1.0	-	Result	Spike 0.4500	SPK Ref Val	%REC 0	Low Limit	High Limit	
SampID: ICB/MBLK  Analyses	Cert		-						Ū	Analyzed
SampID: ICB/MBLK  Analyses  Total Organic Carbon (TOC)  Batch R354519 SampType:	Cert		Qual						Ū	Analyzed 10/10/202
SampID: ICB/MBLK  Analyses  Total Organic Carbon (TOC)  Batch R354519 SampType: SampID: ICV/LCS	Cert	1.0	Qual Units mg/L	<1.0	0.4500	0	0	-100	100	Analyzed 10/10/202 Date
SampID: ICB/MBLK  Analyses  Total Organic Carbon (TOC)  Batch R354519 SampType: SampID: ICV/LCS  Analyses	Cert  LCS  Cert	1.0 RL	Qual Units mg/L	<1.0	0.4500 Spike	0 SPK Ref Val	0 %REC	-100 Low Limit	100 High Limit 110	Date Analyzed 10/10/202
SampID: ICB/MBLK  Analyses  Total Organic Carbon (TOC)  Batch R354519 SampType: SampID: ICV/LCS  Analyses  Total Organic Carbon (TOC)  Batch R354519 SampType: SampID: 24100822-003BDUP	Cert  LCS  Cert	1.0 RL 1.0	Qual Units mg/L Qual Units mg/L	< 1.0  Result 5.0	0.4500 Spike 5.000	0 SPK Ref Val	%REC 99.6	-100 Low Limit 90	100  High Limit  110  nit 10	Analyzed  10/10/202  Date Analyzed
SampID: ICB/MBLK  Analyses  Total Organic Carbon (TOC)  Batch R354519 SampType: SampID: ICV/LCS  Analyses  Total Organic Carbon (TOC)  Batch R354519 SampType:	Cert  LCS  Cert	1.0 RL	Qual Units mg/L Qual	<1.0	0.4500 Spike 5.000	O SPK Ref Val O	%REC 99.6	-100 Low Limit 90 RPD Lin	100  High Limit  110  nit 10	Date Analyzed 10/10/202 Date Analyzed 10/10/202
SampID: ICB/MBLK  Analyses  Total Organic Carbon (TOC)  Batch R354519 SampType: SampID: ICV/LCS  Analyses  Total Organic Carbon (TOC)  Batch R354519 SampType: SampID: 24100822-003BDUP  Analyses  Total Organic Carbon (TOC)  Batch R354519 SampType:	Cert  LCS  Cert  DUP  Cert	1.0 RL 1.0	Qual Units mg/L Qual Units mg/L	Result 5.0	0.4500 Spike 5.000	O SPK Ref Val O	%REC 99.6	Low Limit 90  RPD Lin	100  High Limit 110  nit 10  al %RPD 3.78	Date Analyzed  10/10/202  Date Analyzed  10/10/202  Date Analyzed
SampID: ICB/MBLK  Analyses  Total Organic Carbon (TOC)  Batch R354519 SampType: SampID: ICV/LCS  Analyses  Total Organic Carbon (TOC)  Batch R354519 SampType: SampID: 24100822-003BDUP  Analyses  Total Organic Carbon (TOC)	Cert  LCS  Cert  DUP  Cert	1.0 RL 1.0	Qual Units mg/L Qual Units mg/L Qual	Result 5.0	0.4500 Spike 5.000	O SPK Ref Val O SPK Ref Val	%REC 99.6	Low Limit 90  RPD Lin  RPD Ref Vi 13.75	100  High Limit 110  nit 10  3.78  nit 10	Date Analyzed  10/10/202  Date Analyzed  10/10/202  Date Analyzed



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<b>Batch R354519 SampType:</b> SampID: 24100936-008ADUP	DUP		Units mg/L					RPD Lir	nit <b>10</b>	Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		1.0		1.4				1.430	0.00	10/10/202
Batch R354615 SampType: SampID: ICB/MBLK	MBLK		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	10/14/202
Batch R354615 SampType: SampID: ICV/LCS	LCS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Organic Carbon (TOC)		1.0	-	4.8	5.000	0	96.4	90	110	10/14/202
Batch         R354615         SampType:           SampID:         24091272-059EMS	MS		Units mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Organic Carbon (TOC)		2.0	S	8.0	10.00	4.970	29.8	85	115	10/14/202
Batch R354615 SampType:	MSD		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24091272-059EMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Total Organic Carbon (TOC)		2.0	S	8.0	10.00	4.970	30.8	7.950	1.25	10/14/202
Batch R354615 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24100638-012ADUP Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Total Organic Carbon (TOC)		2.0		11.2				11.15	0.89	10/14/202
Batch         R354615         SampType:           SampID:         24101114-006ADUP	DUP		Units mg/L					RPD Lir	mit <b>10</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Allalyses		10.0		38.4				40.15	4.59	10/14/202
Total Organic Carbon (TOC)										
Total Organic Carbon (TOC)  Batch R354615 SampType:	DUP		Units mg/L					RPD Lir	nit <b>10</b>	
Total Organic Carbon (TOC)	<b>DUP</b> Cert	RL	Units <b>mg/L</b> Qual	Result	Sniko	SPK Ref Val	%RFC	RPD Lin		Date Analyzed



#### http://www.teklabinc.com/

SW-846 9060A										
Batch R354615 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24101114-008ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		10.0		36.0				36.72	1.84	10/14/20
Batch R354615 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24101114-009ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		10.0		35.7				35.23	1.30	10/14/20
Batch R354615 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24101114-010ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		10.0		34.9				36.76	5.31	10/14/20
Batch R354615 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24101114-011ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		10.0		22.9				23.41	2.12	10/14/20
Batch R354615 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24101114-012ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		10.0		16.4				16.52	0.97	10/14/20
Batch R354615 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24101114-013ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Total Organic Carbon (TOC)		10.0		34.0				35.65	4.80	10/14/20
Batch R354615 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
SampID: 24101114-014ADUP										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
7 Hital yoco		10.0		15.5				16.07	3.48	10/14/20
Total Organic Carbon (TOC)										
Total Organic Carbon (TOC)	DUP		Units mg/L					RPD Lir	mit <b>10</b>	
Total Organic Carbon (TOC)  Batch R354615 SampType:	DUP		Units mg/L					RPD Lir	mit <b>10</b>	Date
Total Organic Carbon (TOC)	<b>DUP</b> Cert	RL	Units <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	RPD Lir RPD Ref V		Date Analyzed



Zinc

## **Quality Control Results**

#### http://www.teklabinc.com/

Client: Ramboll Work Order: 24091272
Client Project: NEW-24Q4 Report Date: 12-Nov-24

	pe: MBLK	ι	Jnits <b>mg/L</b>							
SampID: MBLK-229291 Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium	CCIT	0.100	Quai	< 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 SampTy	pe: LCS	l	Jnits <b>mg/L</b>							
SampID: LCS-229291										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium		0.100		2.43	2.500	0	97.1	85	115	10/07/2024
Magnesium		0.050	В	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 SampTy SampID: MBLK-229296	pe: MBLK	L	Jnits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Aluminum	CCIT	0.0250	Quui	< 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
		0.100		< 0.100	0.0350	0	0	-100	100	10/07/2024
Calcium		0.100		<b>~</b> 0.100	0.0330					
Calcium		0.0400		< 0.0400	0.0200	0	0	-100	100	10/07/2024
						-	0	-100 -100	100 100	10/07/2024 10/07/2024
Iron		0.0400		< 0.0400	0.0200	-	-			
Iron Lead		0.0400 0.0150		< 0.0400 < 0.0150	0.0200 0.0014	0	0	-100	100	10/07/2024 10/07/2024
Iron Lead Magnesium		0.0400 0.0150 0.0500		< 0.0400 < 0.0150 < 0.0500	0.0200 0.0014 0.0055	0	0	-100 -100	100 100	10/07/2024 10/07/2024 10/07/2024
Iron Lead Magnesium Manganese		0.0400 0.0150 0.0500 0.0070		< 0.0400 < 0.0150 < 0.0500 < 0.0070	0.0200 0.0014 0.0055 0.0025	0 0 0	0 0 0	-100 -100 -100	100 100 100	10/07/2024

< 0.0100

0.0050 0

0

-100

0.0100

100

10/07/2024



Sodium

## **Quality Control Results**

### http://www.teklabinc.com/

Client: Ramboll Work Order: 24091272
Client Project: NEW-24Q4 Report Date: 12-Nov-24

	mpType:	LCS	U	nits <b>mg/L</b>							
SampID: LCS-229296 Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Alluminum		Cert	0.0250	Quai	1.96	2.000	0	97.9	85	115	10/07/202
Arsenic			0.0250		0.477	0.5000	0	95.5	85	115	10/07/202
Cadmium			0.0020		0.0483	0.0500	0	96.6	85	115	10/07/202
Calcium			0.100		2.44	2.500	0	97.6	85	115	10/07/202
Iron			0.0400		1.96	2.000	0	98.2	85	115	10/07/202
Lead			0.0150		0.482	0.5000	0	96.5	85	115	10/07/202
Magnesium			0.0500		2.47	2.500	0	98.9	85	115	10/07/202
Manganese			0.0070		0.490	0.5000	0	98.1	85	115	10/07/202
Potassium			0.100		2.74	2.500	0	109.6	85	115	10/07/202
Selenium			0.0400		0.480	0.5000	0	96.1	85	115	10/07/202
Sodium			0.0500		2.49	2.500	0	99.8	85	115	10/07/202
Zinc			0.0100		0.489	0.5000	0	97.8	85	115	10/07/202
Batch 229296 Sa SampID: 24091272-0490	mpType:	MS	U	nits <b>mg/L</b>							
Analyses	JIVIO	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		CCIT	0.100	S	612	2.500	618.0	-254.0	75	125	10/07/202
Magnesium			0.050	S	384	2.500	389.4	-210.8	75	125	10/07/202
Potassium			0.100		7.25	2.500	4.166	123.5	75	125	10/07/202
Sodium			0.500	S	486	2.500	489.3	-120.0	75	125	10/08/202
	mpType:	MSD	U	nits <b>mg/L</b>					RPD Lin	nit <b>20</b>	
SampID: 24091272-0490	CMSD										Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref Va		•
Calcium			0.100	S	612	2.500	618.0	-237.2	611.6	0.07	10/07/202
Magnesium			0.050	S	388	2.500	389.4	-54.8	384.1	1.01	10/07/202
Potassium			0.100		7.21	2.500	4.166	121.6	7.252	0.63	10/07/202

S

0.500

475

2.500

489.3

-564.0

486.3

2.31

10/08/2024



Zinc

## **Quality Control Results**

### http://www.teklabinc.com/

Client: Ramboll Work Order: 24091272
Client Project: NEW-24Q4 Report Date: 12-Nov-24

Batch 229296 SampType	: MS	U	nits mg/L							
SampID: 24100440-001CMS	Cert	RL	Qual	Dogult	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses Aluminum	Cert	0.0250	Quai	Result 3.83	4.000	0	95.8	75	125	10/07/2024
Arsenic		0.0250		0.950	1.000	0	95.0	75 75	125	10/07/2024
Cadmium		0.0230		0.0905	0.1000	0	90.5	75 75	125	10/07/202
Iron		0.0400		6.13	4.000	1.824	107.7	75 75	125	10/07/202
Lead		0.0400		0.902	1.000	0	90.2	75 75	125	10/07/202
Magnesium		0.0500		35.7	5.000	31.89	76.6	75 75	125	10/07/2024
Manganese		0.0070		1.35	1.000	0.4379	91.3	75 75	125	10/07/2024
Potassium		0.100		7.06	5.000	2.090	99.4	75 75	125	10/07/202
Selenium		0.0400		0.908	1.000	0	90.8	75 75	125	10/07/202
Sodium		0.0500		18.6	5.000	14.69	78.8	75 75	125	10/07/202
Zinc		0.0300		0.945	1.000	0.01790	92.7	75 75	125	10/07/202
Batch 229296 SampType SampID: 24100440-001CMSD	: MSD	U	nits <b>mg/L</b>					RPD Lir	nit <b>20</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Aluminum		0.0250		3.73	4.000	0	93.2	3.830	2.65	10/07/202
Arsenic		0.0250		0.926	1.000	0	92.6	0.9498	2.48	10/07/202
Cadmium		0.0020		0.0881	0.1000	0	88.1	0.09050	2.69	10/07/202
Iron		0.0400		6.04	4.000	1.824	105.4	6.130	1.48	10/07/202
Lead		0.0150		0.873	1.000	0	87.3	0.9024	3.31	10/07/202
Magnesium		0.0500		35.9	5.000	31.89	81.0	35.72	0.62	10/07/202
Manganese		0.0070		1.33	1.000	0.4379	89.1	1.351	1.63	10/07/202
Potassium		0.100		6.94	5.000	2.090	97.1	7.062	1.68	10/07/202
		0.0400		0.892	1.000	0	89.2	0.9085	1.82	10/07/202
Selenium		0.0400		0.032	1.000	O	00. <u>-</u>	0.0000	1.02	10/01/202
Selenium Sodium		0.0500		18.7	5.000	14.69	79.4	18.63	0.16	10/07/202

0.0100

0.925

1.000

0.01790

90.7

0.9448

2.13

10/07/2024



### http://www.teklabinc.com/

SW-846 3005A, 6	010B, METAI	LS BY ICF	P (DISSO	LVED)							
Batch 229389	SampType:	MBLK	U	nits <b>mg/L</b>							
SampID: MBLK-229	9389										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	U	nits <b>mg/L</b>							
SampID: LCS-2293				J			00/00 ()/-1	0/DE0			Date Analyzed
SampID: LCS-2293 Analyses		LCS Cert	RL	nits <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID: LCS-2293 Analyses Antimony			RL 0.0500	J	0.462	0.5000	0	92.5	85	115	Analyzed 10/08/2024
SampID: LCS-2293  Analyses  Antimony  Arsenic			RL 0.0500 0.0250	J	0.462 0.476	0.5000 0.5000	0	92.5 95.2	85 85	115 115	Analyzed 10/08/2024 10/08/2024
SampID: LCS-2293  Analyses  Antimony  Arsenic  Cadmium			RL 0.0500 0.0250 0.0020	J	0.462 0.476 0.0457	0.5000 0.5000 0.0500	0 0 0	92.5 95.2 91.4	85 85 85	115 115 115	Analyzed 10/08/2024 10/08/2024 10/08/2024
SampID: LCS-2293  Analyses  Antimony  Arsenic			RL 0.0500 0.0250 0.0020 0.100	J	0.462 0.476 0.0457 2.45	0.5000 0.5000 0.0500 2.500	0 0 0	92.5 95.2 91.4 98.0	85 85 85 85	115 115	Analyzed 10/08/2024 10/08/2024
SampID: LCS-2293  Analyses  Antimony  Arsenic  Cadmium			RL 0.0500 0.0250 0.0020 0.100 0.0400	J	0.462 0.476 0.0457 2.45 1.92	0.5000 0.5000 0.0500 2.500 2.000	0 0 0 0	92.5 95.2 91.4 98.0 96.0	85 85 85 85 85	115 115 115	Analyzed 10/08/2024 10/08/2024 10/08/2024
Analyses  Antimony  Arsenic  Cadmium  Calcium			RL 0.0500 0.0250 0.0020 0.100	J	0.462 0.476 0.0457 2.45 1.92 0.470	0.5000 0.5000 0.0500 2.500	0 0 0	92.5 95.2 91.4 98.0	85 85 85 85	115 115 115 115	Analyzed 10/08/2024 10/08/2024 10/08/2024 10/08/2024
Analyses  Antimony  Arsenic  Cadmium  Calcium  Iron			RL 0.0500 0.0250 0.0020 0.100 0.0400	J	0.462 0.476 0.0457 2.45 1.92	0.5000 0.5000 0.0500 2.500 2.000	0 0 0 0	92.5 95.2 91.4 98.0 96.0	85 85 85 85 85	115 115 115 115 115	Analyzed  10/08/2024  10/08/2024  10/08/2024  10/08/2024  10/08/2024
Analyses  Analyses  Antimony  Arsenic  Cadmium  Calcium  Iron  Lead			RL 0.0500 0.0250 0.0020 0.100 0.0400 0.0150	J	0.462 0.476 0.0457 2.45 1.92 0.470	0.5000 0.5000 0.0500 2.500 2.000 0.5000	0 0 0 0 0	92.5 95.2 91.4 98.0 96.0 94.0	85 85 85 85 85 85	115 115 115 115 115 115	Analyzed  10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024
Analyses  Antimony Arsenic Cadmium Calcium Iron Lead Magnesium			RL 0.0500 0.0250 0.0020 0.100 0.0400 0.0150 0.0500	J	0.462 0.476 0.0457 2.45 1.92 0.470 2.21	0.5000 0.5000 0.0500 2.500 2.000 0.5000 2.500	0 0 0 0 0 0	92.5 95.2 91.4 98.0 96.0 94.0 88.4	85 85 85 85 85 85 85	115 115 115 115 115 115 115	Analyzed  10/08/2024  10/08/2024  10/08/2024  10/08/2024  10/08/2024  10/08/2024
Analyses  Analyses  Antimony  Arsenic  Cadmium  Calcium  Iron  Lead  Magnesium  Manganese			RL 0.0500 0.0250 0.0020 0.100 0.0400 0.0150 0.0500 0.0070	J	0.462 0.476 0.0457 2.45 1.92 0.470 2.21 0.497	0.5000 0.5000 0.0500 2.500 2.000 0.5000 2.500 0.5000	0 0 0 0 0 0 0	92.5 95.2 91.4 98.0 96.0 94.0 88.4 99.4	85 85 85 85 85 85 85	115 115 115 115 115 115 115 115	Analyzed  10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024
Analyses  Antimony  Arsenic  Cadmium  Calcium  Iron  Lead  Magnesium  Manganese  Potassium			RL 0.0500 0.0250 0.0020 0.100 0.0400 0.0150 0.0500 0.0070 0.100	J	0.462 0.476 0.0457 2.45 1.92 0.470 2.21 0.497 2.46	0.5000 0.5000 0.0500 2.500 2.000 0.5000 2.500 0.5000 2.500	0 0 0 0 0 0 0	92.5 95.2 91.4 98.0 96.0 94.0 88.4 99.4	85 85 85 85 85 85 85 85	115 115 115 115 115 115 115 115 115	Analyzed  10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024
SampID: LCS-2293 Analyses Antimony Arsenic Cadmium Calcium Iron Lead Magnesium Manganese Potassium Selenium			RL 0.0500 0.0250 0.0020 0.100 0.0400 0.0150 0.0500 0.0070 0.100 0.0400	J	0.462 0.476 0.0457 2.45 1.92 0.470 2.21 0.497 2.46 0.453	0.5000 0.5000 0.0500 2.500 2.000 0.5000 2.500 0.5000 0.5000	0 0 0 0 0 0 0 0	92.5 95.2 91.4 98.0 96.0 94.0 88.4 99.4 98.4 90.5	85 85 85 85 85 85 85 85 85	115 115 115 115 115 115 115 115 115	Analyzed  10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024 10/08/2024



#### http://www.teklabinc.com/

SW-846 3005A, 6010B, META	LS BY ICE	P (DISSO	LVED)							
Batch 229389 SampType:	MS	l	Inits 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	L	Inits mg/L					RPD Lir	nit <b>20</b>	
SampID: 24091272-031CMSD Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %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
<b>Batch 229389 SampType:</b> SampID: 24100606-001DMS	MS	L	Inits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Iron		0.0400		1.94	2.000	0	97.0	75	125	10/08/2024
Batch 229389 SampType:	MSD	L	Inits mg/L					RPD Lir	nit <b>20</b>	
SampID: 24100606-001DMSD  Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Iron		0.0400		1.91	2.000	0	95.3	1.941	1.79	10/08/2024
Batch 229474 SampType: SampID: MBLK-229474	MBLK	L	Inits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	10/10/202
Magnesium										
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/10/202



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SW-846 3005A, 6010B, META	ALS BY ICF	P (DISSO	LVED)							
Batch 229474 SampType	LCS	L	Inits mg/L							
SampID: LCS-229474										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	L	Inits mg/L							
SampID: 24091272-039CMS										Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	L	Inits mg/L					RPD Lin	nit <b>20</b>	
SampID: 24091272-039CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	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
Codiant		3.000	J		2.000	102.0	20.0	101.0		13/10/2027



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SW-846 3005A, 6010B, META	I S RV ICE	γ (ΤΩΤΔΙ	١							
Batch 229297 SampType:			nits <b>mg/L</b>							
SampID: MBLK-229297										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



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Batch 229297	SampType:	LCS	U	nits <b>mg/L</b>							
SampID: LCS-2292	297										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
<b>Batch 229297</b> SampID: 24091272	SampType: -013BMS	MS	U	nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



#### http://www.teklabinc.com/

Batch 229297 SampType	e: MSD	U	nits mg/L					RPD Lir	nit <b>20</b>	
SampID: 24091272-013BMSD	a .	DI	0 1	D 1.	g ''	CDV Dof Vol	0/ DEC	RPD Ref V	al 0/DDD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC			
Calcium		0.100	S	160	2.500	153.7	246.4	157.4	1.55	10/07/202
Magnesium		0.050	S	76.6	2.500	72.26	172.1	75.45	1.46	10/07/202
Potassium		0.100		5.08	2.500	2.142	117.3	5.059	0.32	10/07/202
Sodium		0.050	S	128	2.500	123.1	207.2	126.4	1.48	10/07/202
Batch 229297 SampType	e: MS	U	nits <b>mg/L</b>							
SampID: 24100440-001BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		0.0500		0.489	0.5000	0	97.7	75	125	10/07/202
Arsenic		0.0250		0.482	0.5000	0	96.5	75	125	10/07/202
Barium		0.0025		2.25	2.000	0.4010	92.4	75	125	10/07/202
Cadmium		0.0020		0.0445	0.0500	0	89.0	75	125	10/07/202
Calcium		0.100	S	104	2.500	103.0	46.4	75	125	10/07/202
Copper		0.0050		0.247	0.2500	0	98.9	75	125	10/07/20
Iron		0.0400		8.32	2.000	6.290	101.5	75	125	10/07/20
Lead		0.0150		0.456	0.5000	0	91.3	75	125	10/07/202
Magnesium		0.0500	S	34.9	2.500	33.06	74.7	75	125	10/07/202
Manganese		0.0070		0.926	0.5000	0.4560	94.1	75	125	10/07/202
Selenium		0.0400		0.463	0.5000	0	92.5	75	125	10/07/202
Zinc		0.0100		0.501	0.5000	0.02710	94.7	75	125	10/07/202
Batch 229297 SampType	e: MSD	U	nits <b>mg/L</b>					RPD Lir	nit <b>20</b>	
SampID: 24100440-001BMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Antimony		0.0500		0.488	0.5000	0	97.7	0.4886	0.04	10/07/202
Arsenic		0.0250		0.493	0.5000	0	98.5	0.4823	2.13	10/07/202
Barium		0.0025		2.25	2.000	0.4010	92.4	2.250	0.00	10/07/20
Cadmium		0.0020		0.0446	0.0500	0	89.2	0.04450	0.22	10/07/20
		0.100	S	104	2.500	103.0	50.8	104.1	0.11	10/07/20
Calcium		0.0050		0.249	0.2500	0	99.6	0.2472	0.69	10/07/20
		0.0000								10/07/20
Copper		0.0400		8.36	2.000	6.290	103.5	8.320	0.48	10/07/20
Copper Iron				8.36 0.462	2.000 0.5000	6.290 0		8.320 0.4564	0.48 1.13	10/07/20
Copper Iron Lead		0.0400		0.462	0.5000	0	92.3		1.13	
Copper Iron Lead Magnesium		0.0400 0.0150 0.0500		0.462 35.0	0.5000 2.500	0 33.06	92.3 77.9	0.4564 34.93	1.13 0.23	10/07/20 10/07/20
Calcium Copper Iron Lead Magnesium Manganese Selenium		0.0400 0.0150		0.462	0.5000	0 33.06 0.4560	92.3	0.4564	1.13	10/07/20



Sodium

## **Quality Control Results**

### http://www.teklabinc.com/

Client: Ramboll Work Order: 24091272
Client Project: NEW-24Q4 Report Date: 12-Nov-24

	OR METAI	LS BY ICF	(ΤΩΤΔΙ	)							
•	SampType:			- <i>)</i> nits <b>mg/L</b>							
SampID: MBLK-22935	50										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 S	SampType:	LCS	U	nits <b>mg/L</b>							
Batch 229350 SampID: LCS-229350		LCS	U	nits <b>mg/L</b>							Date
		LCS Cert	U RL	nits <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: LCS-229350				·	Result	Spike 0.5000	SPK Ref Val	%REC 107.6	Low Limit	High Limit	
SampID: LCS-229350 Analyses			RL	·		•				Ü	Analyzed
SampID: LCS-229350  Analyses  Arsenic			RL 0.0250	·	0.538	0.5000	0	107.6	85	115	Analyzed 10/08/2024
SampID: LCS-229350  Analyses  Arsenic  Barium			RL 0.0250 0.0025		0.538 2.10	0.5000 2.000	0	107.6 105.0	85 85	115 115	Analyzed 10/08/2024 10/08/2024
SampID: LCS-229350  Analyses  Arsenic  Barium  Cadmium			RL 0.0250 0.0025 0.0020		0.538 2.10 0.0519	0.5000 2.000 0.0500	0 0 0	107.6 105.0 103.8	85 85 85	115 115 115	Analyzed 10/08/2024 10/08/2024 10/08/2024
Analyses  Arsenic  Barium  Cadmium  Calcium			RL 0.0250 0.0025 0.0020 0.100		0.538 2.10 0.0519 2.71	0.5000 2.000 0.0500 2.500	0 0 0 0	107.6 105.0 103.8 108.2	85 85 85 85	115 115 115 115	Analyzed 10/08/2024 10/08/2024 10/08/2024 10/08/2024
SampID: LCS-229350  Analyses  Arsenic  Barium  Cadmium  Calcium  Chromium			RL 0.0250 0.0025 0.0020 0.100 0.0050		0.538 2.10 0.0519 2.71 0.215	0.5000 2.000 0.0500 2.500 0.2000	0 0 0 0	107.6 105.0 103.8 108.2 107.6	85 85 85 85 85	115 115 115 115 115	Analyzed  10/08/2024  10/08/2024  10/08/2024  10/08/2024  10/08/2024  10/08/2024
SampID: LCS-229350  Analyses  Arsenic  Barium  Cadmium  Calcium  Chromium  Lead			RL 0.0250 0.0025 0.0020 0.100 0.0050 0.0150		0.538 2.10 0.0519 2.71 0.215 0.531	0.5000 2.000 0.0500 2.500 0.2000 0.5000	0 0 0 0 0	107.6 105.0 103.8 108.2 107.6 106.1	85 85 85 85 85 85	115 115 115 115 115 115	Analyzed  10/08/2024  10/08/2024  10/08/2024  10/08/2024  10/08/2024
SampID: LCS-229350  Analyses  Arsenic  Barium  Cadmium  Calcium  Chromium  Lead  Magnesium			RL 0.0250 0.0025 0.0020 0.100 0.0050 0.0150 0.0500		0.538 2.10 0.0519 2.71 0.215 0.531 2.50	0.5000 2.000 0.0500 2.500 0.2000 0.5000 2.500	0 0 0 0 0 0	107.6 105.0 103.8 108.2 107.6 106.1 99.8	85 85 85 85 85 85 85	115 115 115 115 115 115 115	Analyzed  10/08/2024  10/08/2024  10/08/2024  10/08/2024  10/08/2024  10/08/2024

0.0500

2.69

2.500 0

107.7

85

115

10/08/2024



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SW-846 3005A, 6010B, META	LS BY ICF	(TOTAL	-)							
Batch         229350         SampType:           SampID:         24100349-001BMS			nits mg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	10/08/202
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: SampID: 24100349-001BMSD	MSD	U	nits <b>mg/L</b>					RPD Lir	nit <b>20</b>	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %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
<b>Batch 229350 SampType:</b> SampID: 24100386-003BMS	MS	U	nits <b>mg/L</b>							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	10/08/202
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



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Dutti	SampType:	MSD	U	nits <b>mg/L</b>					RPD Lin	nit <b>20</b>	
SampID: 24100386-0 Analyses	03BMSD	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Arsenic		COIT	0.0250	Quui	0.538	0.5000	0	107.7	0.5371	0.22	10/08/202
Barium			0.0025		2.16	2.000	0.1324	101.4	2.150	0.46	10/08/202
Cadmium			0.0020		0.0493	0.0500	0	98.6	0.04880	1.02	10/08/202
Chromium			0.0050		0.215	0.2000	0	107.4	0.2124	1.12	10/08/202
Lead			0.0150		0.515	0.5000	0	103.1	0.5126	0.54	10/08/202
Selenium			0.0400		0.539	0.5000	0	107.8	0.5258	2.52	10/08/202
Silver			0.0070		0.0540	0.0500	0	108.0	0.05350	0.93	10/08/202
<b>Batch 229380</b> SampID: MBLK-2293	SampType: 80	MBLK	U	nits <b>mg/L</b>							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony			0.0500		< 0.0500	0.0068	0	0	-100	100	10/08/202
Arsenic			0.0250		< 0.0250	0.0087	0	0	-100	100	10/08/202
Barium			0.0025		40.0005						
			0.0025		< 0.0025	0.0007	0	0	-100	100	10/08/202
Cadmium			0.0025		< 0.0025	0.0007 0.0005	0	0	-100 -100	100 100	
Cadmium Calcium							•				10/08/202
			0.0020		< 0.0020	0.0005	0	0	-100	100	10/08/202 10/08/202 10/08/202 10/08/202
Calcium			0.0020 0.100		< 0.0020 < 0.100	0.0005 0.0350	0	0	-100 -100	100 100	10/08/202 10/08/202 10/08/202
Calcium Copper			0.0020 0.100 0.0050		< 0.0020 < 0.100 < 0.0050	0.0005 0.0350 0.0013	0 0 0	0 0 0	-100 -100 -100	100 100 100	10/08/202 10/08/202 10/08/202 10/08/202
Calcium Copper Iron			0.0020 0.100 0.0050 0.0400		< 0.0020 < 0.100 < 0.0050 < 0.0400	0.0005 0.0350 0.0013 0.0200	0 0 0 0	0 0 0 0	-100 -100 -100 -100	100 100 100 100	10/08/202 10/08/202 10/08/202 10/08/202 10/08/202
Calcium Copper Iron Lead Magnesium			0.0020 0.100 0.0050 0.0400 0.0150		< 0.0020 < 0.100 < 0.0050 < 0.0400 < 0.0150	0.0005 0.0350 0.0013 0.0200 0.0040	0 0 0 0	0 0 0 0	-100 -100 -100 -100 -100	100 100 100 100 100	10/08/202 10/08/202 10/08/202 10/08/202 10/08/202 10/08/202
Calcium Copper Iron Lead Magnesium Manganese			0.0020 0.100 0.0050 0.0400 0.0150 0.0500		< 0.0020 < 0.100 < 0.0050 < 0.0400 < 0.0150 < 0.0500	0.0005 0.0350 0.0013 0.0200 0.0040 0.0055	0 0 0 0 0	0 0 0 0 0	-100 -100 -100 -100 -100 -100	100 100 100 100 100 100	10/08/202 10/08/202 10/08/202 10/08/202 10/08/202 10/08/202
Calcium Copper Iron Lead			0.0020 0.100 0.0050 0.0400 0.0150 0.0500 0.0070		< 0.0020 < 0.100 < 0.0050 < 0.0400 < 0.0150 < 0.0500 < 0.0070	0.0005 0.0350 0.0013 0.0200 0.0040 0.0055 0.0025	0 0 0 0 0 0	0 0 0 0 0 0	-100 -100 -100 -100 -100 -100	100 100 100 100 100 100 100	10/08/202 10/08/202 10/08/202 10/08/202 10/08/202 10/08/202 10/08/202
Calcium Copper Iron Lead Magnesium Manganese Potassium			0.0020 0.100 0.0050 0.0400 0.0150 0.0500 0.0070 0.100		< 0.0020 < 0.100 < 0.0050 < 0.0400 < 0.0150 < 0.0500 < 0.0070 < 0.100	0.0005 0.0350 0.0013 0.0200 0.0040 0.0055 0.0025	0 0 0 0 0 0 0	0 0 0 0 0 0 0	-100 -100 -100 -100 -100 -100 -100	100 100 100 100 100 100 100	10/08/202



Zinc

## **Quality Control Results**

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Client: Ramboll Work Order: 24091272
Client Project: NEW-24Q4 Report Date: 12-Nov-24

Batch 229380 SampType:	LCS	U	nits <b>mg/L</b>							
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	10/08/202
Arsenic		0.0250		0.519	0.5000	0	103.9	85	115	10/08/202
Barium		0.0025		2.06	2.000	0	103.0	85	115	10/08/202
Cadmium		0.0020		0.0476	0.0500	0	95.2	85	115	10/08/202
Calcium		0.100		2.63	2.500	0	105.1	85	115	10/08/202
Copper		0.0050		0.268	0.2500	0	107.1	85	115	10/08/202
Iron		0.0400		2.12	2.000	0	106.0	85	115	10/08/202
Lead		0.0150		0.503	0.5000	0	100.5	85	115	10/08/202
Magnesium		0.0500		2.35	2.500	0	94.1	85	115	10/08/202
Manganese		0.0070		0.540	0.5000	0	108.1	85	115	10/08/202
Potassium		0.100		2.58	2.500	0	103.0	85	115	10/08/202
Selenium		0.0400		0.494	0.5000	0	98.8	85	115	10/08/202
Sodium		0.0500		2.58	2.500	0	103.4	85	115	10/08/202
Zinc		0.0100		0.508	0.5000	0	101.7	85	115	10/08/202
Batch 229380 SampType:	MS	U	nits <b>mg/L</b>							
SampID: 24100277-001BMS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	•
Antimony		0.0500		1.01	1.000	0	100.8	75	125	10/08/202
Arsenic		0.0250		1.02	1.000	0	102.0	75	125	10/08/202
Barium		0.0025		4.30	4.000	0.2460	101.4	75	125	10/08/202
Cadmium		0.0020		0.0928	0.1000	0	92.8	75	125	10/08/202
Calcium		0.100		108	5.000	103.4	98.8	75	125	10/08/202
				0.535	0.5000	0.003500	106.3	75	125	10/08/202
Copper		0.0050		0.555	0.3000	0.000000			125	10/00/202
• •		0.0050 0.0400		7.91	4.000	3.690	105.5	75	125	
Iron										10/08/202
Iron Lead		0.0400		7.91	4.000	3.690	105.5	75	125	10/08/20
Lead		0.0400 0.0150		7.91 0.975	4.000 1.000	3.690 0	105.5 97.5	75 75	125 125	10/08/202 10/08/202 10/08/202 10/08/202
Iron Lead Magnesium		0.0400 0.0150 0.0500		7.91 0.975 37.4	4.000 1.000 5.000	3.690 0 32.63	105.5 97.5 95.6	75 75 75	125 125 125	10/08/202 10/08/202 10/08/202

0.0100

0.989

1.000

0.006900

98.2

75

125

10/08/2024



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Batch 229380 SampType:	MSD	U	nits <b>mg/L</b>					RPD Lir	nit <b>20</b>	
SampID: 24100277-001BMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Antimony	COIT	0.0500	Quui	0.998	1.000	0	99.8	1.008	0.96	10/08/202
Arsenic		0.0250		1.01	1.000	0	101.0	1.020	0.97	10/08/202
Barium		0.0025		4.31	4.000	0.2460	101.6	4.300	0.23	10/08/202
Cadmium		0.0020		0.0924	0.1000	0	92.4	0.09280	0.43	10/08/202
Calcium		0.100	S	110	5.000	103.4	143.0	108.3	2.02	10/08/202
Copper		0.0050		0.529	0.5000	0.003500	105.2	0.5349	1.05	10/08/202
Iron		0.0400		7.97	4.000	3.690	107.0	7.910	0.76	10/08/202
Lead		0.0150		0.973	1.000	0	97.3	0.9746	0.20	10/08/202
Magnesium		0.0500		38.0	5.000	32.63	106.7	37.41	1.48	10/08/202
Manganese		0.0070		1.81	1.000	0.7400	106.8	1.798	0.55	10/08/202
Selenium		0.0400		0.933	1.000	0	93.3	0.9377	0.49	10/08/202
Zinc		0.0100		0.987	1.000	0.006900	98.0	0.9887	0.20	10/08/202
	MS	U	nits <b>mg/L</b>							Date
	MS		nits <b>mg/L</b>							
SampID: 24100606-001CMS  Analyses	MS Cert	RL	nits <b>mg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
ampID: 24100606-001CMS  Analyses  Barium		RL 0.0025		2.12	2.000	0.1049	100.8	75	125	Analyzed 10/08/202
Analyses Barium Cadmium		RL 0.0025 0.0020		2.12 0.0471	2.000 0.0500	0.1049 0	100.8 94.2	75 75	125 125	Analyzed 10/08/202 10/08/202
ampID: 24100606-001CMS  Analyses  Barium  Cadmium  Copper		RL 0.0025 0.0020 0.0050		2.12 0.0471 0.271	2.000 0.0500 0.2500	0.1049 0 0.004000	100.8 94.2 106.6	75 75 75	125 125 125	10/08/202 10/08/202 10/08/202
Analyses Barium Cadmium Copper Lead		RL 0.0025 0.0020 0.0050 0.0150		2.12 0.0471 0.271 0.492	2.000 0.0500 0.2500 0.5000	0.1049 0 0.004000 0	100.8 94.2 106.6 98.5	75 75 75 75	125 125 125 125 125	Analyzed  10/08/202  10/08/202  10/08/202  10/08/202
ampID: 24100606-001CMS  Analyses  Barium  Cadmium  Copper  Lead  Manganese		RL 0.0025 0.0020 0.0050 0.0150 0.0070		2.12 0.0471 0.271 0.492 1.12	2.000 0.0500 0.2500 0.5000 0.5000	0.1049 0 0.004000 0 0.5914	100.8 94.2 106.6 98.5 105.8	75 75 75 75 75	125 125 125 125 125 125	10/08/202 10/08/202 10/08/202 10/08/202 10/08/202
ampID: 24100606-001CMS  Analyses  Barium  Cadmium  Copper  Lead  Manganese		RL 0.0025 0.0020 0.0050 0.0150		2.12 0.0471 0.271 0.492	2.000 0.0500 0.2500 0.5000	0.1049 0 0.004000 0	100.8 94.2 106.6 98.5	75 75 75 75	125 125 125 125 125	10/08/202 10/08/202 10/08/202 10/08/202 10/08/202
SampID: 24100606-001CMS  Analyses  Barium  Cadmium  Copper  Lead  Manganese  Zinc	Cert	RL 0.0025 0.0020 0.0050 0.0150 0.0070 0.0100		2.12 0.0471 0.271 0.492 1.12	2.000 0.0500 0.2500 0.5000 0.5000	0.1049 0 0.004000 0 0.5914	100.8 94.2 106.6 98.5 105.8	75 75 75 75 75	125 125 125 125 125 125	10/08/202 10/08/202 10/08/202 10/08/202 10/08/202
Analyses Barium Cadmium Copper Lead Manganese Zinc Satch 229380 SampType:	Cert	RL 0.0025 0.0020 0.0050 0.0150 0.0070 0.0100	Qual	2.12 0.0471 0.271 0.492 1.12	2.000 0.0500 0.2500 0.5000 0.5000	0.1049 0 0.004000 0 0.5914	100.8 94.2 106.6 98.5 105.8	75 75 75 75 75 75	125 125 125 125 125 125	10/08/202 10/08/202 10/08/202 10/08/202 10/08/202
ampID: 24100606-001CMS  Analyses  Barium  Cadmium  Copper  Lead  Manganese  Zinc  Satch 229380 SampType: ampID: 24100606-001CMSD	Cert	RL 0.0025 0.0020 0.0050 0.0150 0.0070 0.0100	Qual	2.12 0.0471 0.271 0.492 1.12	2.000 0.0500 0.2500 0.5000 0.5000	0.1049 0 0.004000 0 0.5914	100.8 94.2 106.6 98.5 105.8 102.0	75 75 75 75 75 75	125 125 125 125 125 125 125	Analyzed  10/08/202  10/08/202  10/08/202  10/08/202  10/08/202  10/08/202
ampID: 24100606-001CMS  Analyses Barium Copper Lead Manganese Zinc  Satch 229380 SampType: ampID: 24100606-001CMSD  Analyses	Cert	RL 0.0025 0.0020 0.0050 0.0150 0.0070 0.0100	Qual	2.12 0.0471 0.271 0.492 1.12 0.522	2.000 0.0500 0.2500 0.5000 0.5000	0.1049 0 0.004000 0 0.5914 0.01170	100.8 94.2 106.6 98.5 105.8 102.0	75 75 75 75 75 75 RPD Lir	125 125 125 125 125 125 125	Analyzed  10/08/202  10/08/202  10/08/202  10/08/202  10/08/202  Date Analyzed
Analyses Barium Cadmium Copper Lead Manganese Zinc Satch 229380 SampType: ampID: 24100606-001CMSD Analyses Barium	Cert	RL 0.0025 0.0020 0.0050 0.0150 0.0070 0.0100	Qual	2.12 0.0471 0.271 0.492 1.12 0.522	2.000 0.0500 0.2500 0.5000 0.5000 0.5000	0.1049 0 0.004000 0 0.5914 0.01170	100.8 94.2 106.6 98.5 105.8 102.0	75 75 75 75 75 75 RPD Lir	125 125 125 125 125 125 125	Analyzed  10/08/202  10/08/202  10/08/202  10/08/202  10/08/202  Date Analyzed  10/08/202
Analyses Barium Copper Lead Manganese Zinc  Atch 229380 SampType: amplD: 24100606-001CMSD  Analyses Barium Cadmium	Cert	RL 0.0025 0.0020 0.0050 0.0150 0.0070 0.0100	Qual	2.12 0.0471 0.271 0.492 1.12 0.522 Result	2.000 0.0500 0.2500 0.5000 0.5000 0.5000 Spike 2.000	0.1049 0 0.004000 0 0.5914 0.01170 SPK Ref Val 0.1049	100.8 94.2 106.6 98.5 105.8 102.0	75 75 75 75 75 75 RPD Lir	125 125 125 125 125 125 125 125 125	10/08/20 10/08/20 10/08/20 10/08/20 10/08/20 10/08/20 Date Analyzed 10/08/20 10/08/20
Analyses Barium Cadmium Copper Lead Manganese Zinc  Batch 229380 SampType: SampID: 24100606-001CMSD Analyses Barium Cadmium Copper	Cert	RL 0.0025 0.0020 0.0050 0.0150 0.0070 0.0100  U  RL 0.0025 0.0020	Qual	2.12 0.0471 0.271 0.492 1.12 0.522 Result 2.16 0.0469	2.000 0.0500 0.2500 0.5000 0.5000 Spike 2.000 0.0500	0.1049 0 0.004000 0 0.5914 0.01170 SPK Ref Val 0.1049	100.8 94.2 106.6 98.5 105.8 102.0 %REC 102.8 93.8	75 75 75 75 75 75 RPD Lir RPD Ref V: 2.120 0.04710	125 125 125 125 125 125 125 125 125 125	Analyzed  10/08/202  10/08/202  10/08/202  10/08/202  10/08/202  Date Analyzed  10/08/202  10/08/202  10/08/202  10/08/202
SampID: 24100606-001CMS  Analyses Barium Cadmium Copper Lead Manganese Zinc	Cert	RL 0.0025 0.0020 0.0050 0.0150 0.0070 0.0100   RL 0.0025 0.0025 0.0020 0.0050	Qual	2.12 0.0471 0.271 0.492 1.12 0.522 Result 2.16 0.0469 0.273	2.000 0.0500 0.2500 0.5000 0.5000 0.5000 Spike 2.000 0.0500 0.2500	0.1049 0 0.004000 0 0.5914 0.01170 SPK Ref Val 0.1049 0 0.004000	100.8 94.2 106.6 98.5 105.8 102.0 %REC 102.8 93.8 107.6	75 75 75 75 75 75 RPD Lin RPD Ref V: 2.120 0.04710 0.2706	125 125 125 125 125 125 125 125 125 125	Analyzed  10/08/202  10/08/202  10/08/202  10/08/202  10/08/202  Date



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ALO EVICE	. /===:	,							
		•							
	J								Date
Cert	RL.	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
0011	0.0250	Q uui	0.522	0.5000	0	104.4	75	125	10/08/2024
	0.0400		2.15	2.000	0.06610	104.2	75	125	10/08/2024
e: MSD	U	Inits <b>ma/L</b>					RPD Lim	nit <b>20</b>	
		J							Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	l %RPD	Analyzed
	0.0250		0.520	0.5000	0	104.0	0.5218	0.38	10/08/2024
	0.0400		2.15	2.000	0.06610	104.2	2.150	0.00	10/08/2024
e: MBLK	U	Inits <b>mg/L</b>							
									Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	0.100		< 0.100	0.0350	0	0	-100	100	10/10/2024
	0.100		< 0.100	0.0350	0	0	-100	100	10/11/2024
	0.0500		< 0.0500	0.0055	0	0	-100	100	10/10/2024
	0.0500		< 0.0500	0.0055	0	0	-100	100	10/11/2024
	0.100		< 0.100	0.0400	0	0	-100	100	10/11/2024
	0.100		< 0.100	0.0400	0	0	-100	100	10/09/2024
	0.100		< 0.100	0.0400	0	0	-100	100	10/10/2024
	0.0500		< 0.0500	0.0180	0	0	-100	100	10/11/2024
	0.0500		< 0.0500	0.0180	0	0	-100	100	10/10/2024
: LCS	U	Inits <b>mg/L</b>							
									Date
Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
	0.100		2.41	2.500	0	96.4	85	115	10/10/2024
	0.100		2.59	2.500	0	103.8	85	115	10/11/2024
	0.0500		2.34	2.500	0	93.8	85	115	10/10/2024
	0.0500		2.39	2.500	0	95.7	85	115	10/11/2024
	0.100		2.47	2.500	0	98.7	85	115	10/10/2024
	0.400		2.63	2.500	0	105.0	85	115	10/11/2024
	0.100		2.00		•				
	0.100		2.63	2.500	0	105.2	85	115	10/09/2024
	e: MS  Cert  Cert  Cert	Cert RL 0.0250 0.0400  E: MSD Cert RL 0.0250 0.0400  E: MBLK Cert RL 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.0500 0.0500 0.0500 0.0500	Cert   RL   Qual	Cert   RL   Qual   Result	Cert   RL   Qual   Result   Spike	Cert   RL   Qual   Result   Spike   SPK Ref Val	MS	MS	MS



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Duten	SampType:	MS	U	nits mg/L							
SampID: 24091272-09 Analyses	59CMS	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Calcium		Cert	10.0	S	849	2.500	876.0	-1080	75	125	10/11/202
Magnesium			5.00	J	11.0	2.500	8.960	80.0	75	125	10/11/202
Potassium			50.0	S	1810	2.500	1764	1722	75	125	10/15/202
Sodium			5.00	S	13500	2.500	13510	1680	75	125	10/11/202
Dutch	SampType:	MSD	U	nits <b>mg/L</b>					RPD Lir	nit <b>20</b>	
SampID: 24091272-0	59CMSD	_					00140 4344	0/050	DDD D ()/		Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		RPD Ref V		•
Calcium			10.0	S	874	2.500	876.0	-80.0	849.0	2.90	10/11/202
Magnesium			5.00	_	11.2	2.500	8.960	88.4	10.96	1.90	10/11/202
Potassium			50.0	S	1770	2.500	1764	186.0	1807	2.15	10/15/202
Sodium			5.00	S	13200	2.500	13510	-13040	13550	2.75	10/11/202
	SampType:	MBLK	U	nits <b>mg/L</b>							
SampID: MBLK-2294 Analyses	78	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium			0.100		< 0.100	0.0350	0	0	-100	100	10/10/202
Magnesium			0.0500		< 0.0500	0.0055	0	0	-100	100	10/10/202
Potassium			0.100		< 0.100	0.0400	0	0	-100	100	10/10/202
Sodium			0.0500		< 0.0500	0.0180	0	0	-100	100	10/10/202
	SampType:	LCS	U	nits <b>mg/L</b>							
SampID: LCS-229478	3										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Calcium			0.100		2.46	2.500	0	98.5	85	115	10/10/202
			0.0500		2.43	2.500	0	97.0	85	115	10/10/202
Magnesium			0.0500		2.43	2.300	O	37.0	00	113	10/10/202
Magnesium Potassium			0.0500		2.50	2.500	0	99.9	85	115	10/10/202



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SW-846 3005A, 6020A, METAI	LS BI ICE	INIO (L	JOSOLVEL	')						
Batch 229291 SampType:	MBLK		Units µg/L							
SampID: MBLK-229291	~				~	ODK D-(1)/-1	0/ DEO	1 1226	1.05-0-1.55-26	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	•
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	10/10/202
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	10/09/202
Boron		25.0		< 25.0	9.250	0	0	-100	100	10/10/202
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	10/09/202
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	10/10/202
Iron		25.0		< 25.0	11.50	0	0	-100	100	10/10/202
Lead		1.0		< 1.0	0.6000	0	0	-100	100	10/07/202
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	10/10/202
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	10/10/202
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	10/09/202
Zinc		15.0		< 15.0	5.900	0	0	-100	100	10/10/202
Satch 229291 SampType:	LCS		Units µg/L							
SampID: LCS-229291			oo µg/=							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Aluminum		25.0		2010	2000	0	100.5	80	120	10/10/202
Arsenic		1.0		526	500.0	0	105.2	80	120	10/09/202
Boron		25.0		441	500.0	0	88.2	80	120	10/10/202
Cadmium		1.0		48.6	50.00	0	97.2	80	120	10/09/202
Chromium		1.5		201	200.0	0	100.4	80	120	10/10/202
Iron		25.0		1910	2000	0	95.5	80	120	10/10/202
Lead		1.0		481	500.0	0	96.2	80	120	10/07/202
Lithium	*	3.0		452	500.0	0	90.4	80	120	10/10/202
Manganese		2.0		494	500.0	0	98.8	80	120	10/10/202
Selenium		1.0		505	500.0	0	100.9	80	120	10/09/202
Zinc		15.0		464	500.0	0	92.8	80	120	10/10/202
	110		11-7							
Batch 229291 SampType: SampID: 24091272-011CMS	MS		Units µg/L							Dets
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0	<b>,</b>	1830	2000	0	91.4	75	125	10/14/202
Arsenic		1.0		489	500.0	20.31	93.7	75	125	10/14/202
Iron		25.0		3860	2000	2311	77.4	75	125	10/14/202
Lithium	*	3.0		432	500.0	2.662	85.8	75	125	10/14/202



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	ETALS BY ICF	1110 (D		<u>''</u>						
Batch 229291 SampTy			Units µg/L					RPD Lin	nit <b>20</b>	
SampID: 24091272-011CMSI						00140 4341	0/050	555 5 (V		Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va		,
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
7 - 200004 CommTi	MO		Haita wall							
<b>Batch 229291 SampTy</b> SampID: 24091272-020CMS	ype: MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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
								222.11		
<b>Batch</b> 229291 SampTy SampID: 24091272-020CMSI	•		Units µg/L					RPD Lin	nit 20	
·		DI	0 1	D 14	G11 .	SPK Ref Val	%REC	RPD Ref Va	d %PDD	Date Analyzed
Analyses Aluminum	Cert	RL 25.0	Qual	Result	Spike 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
		25.0		3560	2000	1614	97.3	3494	1.88	10/10/2024
Iron										
Iron Lithium	*	3.0		448	500.0	2.209	89.2	444.4	0.90	10/10/2024



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	Type: 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	<b>V</b>	< 25.0	12.50	0	0	-100	100	10/07/202
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	10/10/202
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	10/07/202
Boron		25.0		< 25.0	9.250	0	0	-100	100	10/07/202
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	10/07/202
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	10/07/202
Iron		25.0		< 25.0	11.50	0	0	-100	100	10/07/202
Lead		1.0		< 1.0	0.6000	0	0	-100	100	10/07/202
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	10/07/202
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	10/07/202
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	10/07/202
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	10/07/202
Zinc		15.0		< 15.0	5.900	0	0	-100	100	10/07/202
		10.0		< 15.0	3.900	O	Ū	100		10/01/201
Batch 229296 Samp	Type: LCS		Units µg/L	<b>~ 15.0</b>	3.900				.00	10/01/202
	Type: LCS		Units µg/L	10.0	3.300				.00	Date
SampID: LCS-229296	Type: LCS  Cert		Units <b>µg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
SampID: LCS-229296 Analyses										Date
SampID: LCS-229296  Analyses  Aluminum		RL		Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
SampID: LCS-229296  Analyses  Aluminum  Antimony		RL 25.0		Result 2100	Spike 2000	SPK Ref Val	%REC 105.1	Low Limit	High Limit	Date Analyzed 10/07/202 10/11/202
SampID: LCS-229296  Analyses  Aluminum  Antimony  Arsenic		RL 25.0 1.0		Result 2100 440	Spike 2000 500.0	SPK Ref Val 0	%REC 105.1 88.0	Low Limit 80 80	High Limit 120 120	Date Analyzed
Analyses Aluminum Antimony Arsenic Boron		RL 25.0 1.0		Result 2100 440 489	Spike 2000 500.0 500.0	SPK Ref Val 0 0	%REC 105.1 88.0 97.8	Low Limit 80 80 80	High Limit 120 120 120	Date Analyzed 10/07/202 10/11/202 10/07/202
SampID: LCS-229296  Analyses  Aluminum  Antimony  Arsenic  Boron  Cadmium		RL 25.0 1.0 1.0 25.0		Result 2100 440 489 516	Spike 2000 500.0 500.0 500.0	SPK Ref Val 0 0 0	%REC 105.1 88.0 97.8 103.2	Low Limit 80 80 80 80	High Limit 120 120 120 120	Date Analyzed 10/07/202 10/11/202 10/07/202 10/07/202
SampID: LCS-229296  Analyses  Aluminum  Antimony  Arsenic  Boron  Cadmium  Chromium		RL 25.0 1.0 1.0 25.0		Result 2100 440 489 516 46.2	Spike 2000 500.0 500.0 500.0 50.00	SPK Ref Val 0 0 0 0 0	%REC 105.1 88.0 97.8 103.2 92.4	Low Limit 80 80 80 80 80	High Limit 120 120 120 120 120 120	Date Analyzed 10/07/20: 10/11/20: 10/07/20: 10/07/20: 10/07/20:
SampID: LCS-229296  Analyses  Aluminum  Antimony  Arsenic  Boron  Cadmium  Chromium		RL 25.0 1.0 1.0 25.0 1.0		Result 2100 440 489 516 46.2 197	Spike 2000 500.0 500.0 500.0 50.00 200.0	SPK Ref Val 0 0 0 0 0 0	%REC 105.1 88.0 97.8 103.2 92.4 98.3	Low Limit  80  80  80  80  80  80	High Limit  120 120 120 120 120 120 120	Date Analyzed 10/07/202 10/11/202 10/07/202
Analyses Aluminum Antimony Arsenic Boron Cadmium Chromium Iron Lead		RL 25.0 1.0 1.0 25.0 1.0 1.5 25.0		Result 2100 440 489 516 46.2 197	Spike 2000 500.0 500.0 500.0 50.00 200.0 2000	SPK Ref Val 0 0 0 0 0 0 0 0	%REC 105.1 88.0 97.8 103.2 92.4 98.3 94.1	Low Limit  80  80  80  80  80  80  80	High Limit 120 120 120 120 120 120 120 120	Date Analyzed 10/07/202 10/11/202 10/07/202 10/07/202 10/07/202 10/07/202 10/07/202
SampID: LCS-229296  Analyses  Aluminum  Antimony  Arsenic  Boron  Cadmium  Chromium  Iron  Lead  Lithium	Cert	RL 25.0 1.0 1.0 25.0 1.0 1.5 25.0 1.0		Result 2100 440 489 516 46.2 197 1880 470	Spike 2000 500.0 500.0 500.0 200.0 200.0 500.0	SPK Ref Val 0 0 0 0 0 0 0 0 0	%REC 105.1 88.0 97.8 103.2 92.4 98.3 94.1 94.0	Low Limit  80 80 80 80 80 80 80 80	High Limit  120 120 120 120 120 120 120 120 120 12	Date Analyzed 10/07/202 10/11/202 10/07/202 10/07/202 10/07/202 10/07/202 10/07/202 10/07/202
Analyses Aluminum Antimony Arsenic Boron Cadmium Chromium Iron Lead Lithium Manganese	Cert	RL 25.0 1.0 1.0 25.0 1.5 25.0 1.0 3.0		Result 2100 440 489 516 46.2 197 1880 470 524	Spike 2000 500.0 500.0 500.0 200.0 2000 500.0 500.0	SPK Ref Val 0 0 0 0 0 0 0 0 0 0	%REC 105.1 88.0 97.8 103.2 92.4 98.3 94.1 94.0 104.9	Low Limit  80  80  80  80  80  80  80  80  80	High Limit  120 120 120 120 120 120 120 120 120 12	Date Analyzed 10/07/20 10/11/20 10/07/20 10/07/20 10/07/20 10/07/20 10/07/20 10/07/20
Batch 229296 Samp SampID: LCS-229296  Analyses Aluminum Antimony Arsenic Boron Cadmium Chromium Iron Lead Lithium Manganese Selenium Vanadium	Cert	RL 25.0 1.0 1.0 25.0 1.5 25.0 1.0 3.0 2.0		Result 2100 440 489 516 46.2 197 1880 470 524 499	Spike 2000 500.0 500.0 500.0 200.0 200.0 200.0 500.0 500.0 500.0	SPK Ref Val  0 0 0 0 0 0 0 0 0 0 0 0	%REC 105.1 88.0 97.8 103.2 92.4 98.3 94.1 94.0 104.9 99.9	Low Limit  80 80 80 80 80 80 80 80 80 80	High Limit  120 120 120 120 120 120 120 120 120 12	Date Analyzed  10/07/202  10/11/202  10/07/202  10/07/202  10/07/202  10/07/202



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014/04/04/04/04/04/04/04/04/04/04/04/04/04										
SW-846 3005A, 6020A, META Batch 229296 SampType			Units µg/L	))						
SamplD: 24091272-049CMS	. 1413		Offits pg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 Lir	nit <b>20</b>	
SampID: 24091272-049CMSD										Date
Analyses	O									
	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Arsenic	Cert	1.0	Qual	Result 489	Spike 500.0	SPK Ref Val 0.5180	%REC 97.7	RPD Ref Va	al %RPD 2.40	
Arsenic Boron	Cert		Qual							Analyzed
	Cert	1.0	Qual	489	500.0	0.5180	97.7	500.9	2.40	Analyzed 10/07/2024
Boron	Cert	1.0 25.0	Qual	489 935	500.0 500.0	0.5180 468.1	97.7 93.4	500.9 943.5	2.40 0.89	Analyzed 10/07/2024 10/09/2024
Boron Cadmium	Cert	1.0 25.0 1.0	Qual	489 935 43.2	500.0 500.0 50.00	0.5180 468.1 0	97.7 93.4 86.4	500.9 943.5 45.18	2.40 0.89 4.44	Analyzed 10/07/2024 10/09/2024 10/07/2024
Boron Cadmium Chromium	Cert	1.0 25.0 1.0 1.5	Qual	489 935 43.2 177	500.0 500.0 50.00 200.0	0.5180 468.1 0	97.7 93.4 86.4 88.6	500.9 943.5 45.18 182.4	2.40 0.89 4.44 2.91	Analyzed  10/07/2024  10/09/2024  10/07/2024  10/07/2024
Boron Cadmium Chromium Iron	Cert	1.0 25.0 1.0 1.5 25.0	Qual	489 935 43.2 177 1910	500.0 500.0 50.00 200.0 2000	0.5180 468.1 0 0 200.9	97.7 93.4 86.4 88.6 85.6	500.9 943.5 45.18 182.4 1962	2.40 0.89 4.44 2.91 2.57	Analyzed  10/07/2024  10/09/2024  10/07/2024  10/07/2024  10/07/2024
Boron Cadmium Chromium Iron Lead	Cert	1.0 25.0 1.0 1.5 25.0 1.0	Qual	489 935 43.2 177 1910 461	500.0 500.0 50.00 200.0 2000 500.0	0.5180 468.1 0 0 200.9	97.7 93.4 86.4 88.6 85.6 92.3	500.9 943.5 45.18 182.4 1962 481.3	2.40 0.89 4.44 2.91 2.57 4.25	Analyzed  10/07/2024  10/09/2024  10/07/2024  10/07/2024  10/07/2024  10/07/2024



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Batch 229389	SampType:	MBLK		Units µg/L							
SampID: MBLK-229 Analyses	9389	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	10/08/202
Antimony			1.0		< 1.0	0.4500	0	0	-100	100	10/09/20
Arsenic			1.0		< 1.0	0.3750	0	0	-100	100	10/08/20
Boron			25.0		< 25.0	9.250	0	0	-100	100	10/08/20
Cadmium			1.0		< 1.0	0.1340	0	0	-100	100	10/08/20
Chromium			1.5		< 1.5	0.7000	0	0	-100	100	10/08/20
Iron			25.0		< 25.0	11.50	0	0	-100	100	10/08/20
Lead			1.0		< 1.0	0.6000	0	0	-100	100	10/08/20
Lithium		*	3.0		< 3.0	1.450	0	0	-100	100	10/08/20
Manganese			2.0		< 2.0	0.7500	0	0	-100	100	10/08/20
Selenium			1.0		< 1.0	0.6000	0	0	-100	100	10/08/20
Vanadium			5.0		< 5.0	5.000	0	0	-100	100	10/08/20
Zinc			15.0		< 15.0	5.900	0	0	-100	100	10/08/20
Satch 229389	SampType:	LCS	ı	Units µg/L							
		LCS	I	Units µg/L							Date
SampID: LCS-22938		<b>LCS</b> Cert	RL	Units <b>µg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
SampID: LCS-22938 Analyses				. •	Result	Spike 2000	SPK Ref Val	%REC 97.5	Low Limit	High Limit	Date Analyzed
SampID: LCS-22938 Analyses Aluminum			RL	. •						Ū	Analyzed
SampID: LCS-22936 Analyses Aluminum Antimony			RL 25.0	. •	1950	2000	0	97.5	80	120	Analyzec
ampID: LCS-22936 Analyses Aluminum Antimony Arsenic			RL 25.0 1.0	. •	1950 439	2000 500.0	0	97.5 87.8	80 80	120 120	10/08/20 10/09/20
sampID: LCS-22936 Analyses Aluminum Antimony Arsenic Boron			RL 25.0 1.0 1.0	. •	1950 439 478	2000 500.0 500.0	0 0 0	97.5 87.8 95.6	80 80 80	120 120 120	10/08/20 10/09/20 10/08/20 10/08/20
ampID: LCS-22936 Analyses Aluminum Antimony Arsenic Boron Cadmium			RL 25.0 1.0 1.0 25.0	. •	1950 439 478 465	2000 500.0 500.0 500.0	0 0 0	97.5 87.8 95.6 92.9	80 80 80 80	120 120 120 120	10/08/20 10/08/20 10/08/20 10/08/20 10/08/20
ampID: LCS-22936 Analyses Aluminum Antimony Arsenic Boron Cadmium Chromium			RL 25.0 1.0 1.0 25.0 1.0	. •	1950 439 478 465 45.5	2000 500.0 500.0 500.0 50.00	0 0 0 0	97.5 87.8 95.6 92.9 91.0	80 80 80 80	120 120 120 120 120	10/08/20 10/08/20 10/08/20 10/08/20 10/08/20
ampID: LCS-22938 Analyses Aluminum Antimony Arsenic Boron Cadmium Chromium			RL 25.0 1.0 1.0 25.0 1.0 1.5	. •	1950 439 478 465 45.5 196	2000 500.0 500.0 500.0 500.0 200.0	0 0 0 0 0	97.5 87.8 95.6 92.9 91.0 98.1	80 80 80 80 80	120 120 120 120 120 120	10/08/20 10/09/20 10/08/20
ampID: LCS-22938 Analyses Aluminum Antimony Arsenic Boron Cadmium Chromium ron _ead			RL 25.0 1.0 1.0 25.0 1.5 25.0	. •	1950 439 478 465 45.5 196	2000 500.0 500.0 500.0 50.00 200.0 2000	0 0 0 0 0 0	97.5 87.8 95.6 92.9 91.0 98.1 94.0	80 80 80 80 80 80	120 120 120 120 120 120 120	10/08/20 10/09/20 10/09/20 10/08/20 10/08/20 10/08/20
ampID: LCS-22938 Analyses Aluminum Antimony Arsenic Boron Cadmium Chromium ron Lead		Cert	RL 25.0 1.0 1.0 25.0 1.5 25.0 1.0	. •	1950 439 478 465 45.5 196 1880 464	2000 500.0 500.0 500.0 50.00 200.0 2000 500.0	0 0 0 0 0 0	97.5 87.8 95.6 92.9 91.0 98.1 94.0 92.9	80 80 80 80 80 80 80	120 120 120 120 120 120 120 120	10/08/20 10/08/20 10/08/20 10/08/20 10/08/20 10/08/20 10/08/20
Analyses Analyses Aluminum Antimony Arsenic Boron Cadmium Chromium Iron Lead Lithium Manganese		Cert	RL 25.0 1.0 1.0 25.0 1.5 25.0 1.0 3.0	. •	1950 439 478 465 45.5 196 1880 464	2000 500.0 500.0 500.0 50.00 200.0 2000 500.0	0 0 0 0 0 0 0	97.5 87.8 95.6 92.9 91.0 98.1 94.0 92.9 93.0	80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120	10/08/20 10/08/20 10/08/20 10/08/20 10/08/20 10/08/20 10/08/20 10/08/20
Batch 229389  SampID: LCS-22938  Analyses  Aluminum  Antimony  Arsenic  Boron  Cadmium  Chromium  Iron  Lead  Lithium  Manganese  Selenium  Vanadium		Cert	RL 25.0 1.0 1.0 25.0 1.5 25.0 1.0 3.0 2.0	. •	1950 439 478 465 45.5 196 1880 464 465	2000 500.0 500.0 500.0 50.00 200.0 2000 500.0 500.0	0 0 0 0 0 0 0	97.5 87.8 95.6 92.9 91.0 98.1 94.0 92.9 93.0 96.3	80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120	10/08/20 10/08/20 10/08/20 10/08/20 10/08/20 10/08/20 10/08/20 10/08/20



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SW-846 3005A, 6020A, META	ALS BY ICP	MS (DI	SSOLVED	))						
Batch 229389 SampType			Units µg/L							
SampID: 24091272-031CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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 <b>µg/L</b>					RPD Lir	nit <b>20</b>	
SampID: 24091272-031CMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	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



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Batch 229474	SampType:	MBLK		Units µg/L							
SampID: MBLK-2294 Analyses	474	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum			25.0	<b>Q</b> 0,000	< 25.0	12.50	0	0	-100	100	10/14/202
Antimony			1.0		< 1.0	0.4500	0	0	-100	100	10/14/20
Arsenic			1.0		< 1.0	0.3750	0	0	-100	100	10/14/20
Boron			25.0		< 25.0	9.250	0	0	-100	100	10/14/20
Cadmium			1.0		< 1.0	0.1340	0	0	-100	100	10/14/20
Chromium			1.5		< 1.5	0.7000	0	0	-100	100	10/14/20
Iron			25.0		< 25.0	11.50	0	0	-100	100	10/14/202
Lead			1.0		< 1.0	0.6000	0	0	-100	100	10/14/202
Lithium		*	3.0		< 3.0	1.450	0	0	-100	100	10/14/20
Manganese			2.0		< 2.0	0.7500	0	0	-100	100	10/14/20
Selenium			1.0		< 1.0	0.6000	0	0	-100	100	10/14/20
Vanadium			5.0		< 5.0	5.000	0	0	-100	100	10/14/20
Zinc			15.0		< 15.0	5.900	0	0	-100	100	10/14/20
	SampType:	LCS		Units µg/L							
SampID: LCS-22947				. •			ODK D-CV-	0/050	Laudiai	I Pak I Say	Date Analyzed
SampID: LCS-22947 Analyses		LCS Cert	RL	Units <b>µg/L</b> Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
SampID: LCS-22947 Analyses Aluminum			RL 25.0	. •	2240	2000	0	111.9	80	120	Analyzed 10/14/20
SampID: LCS-22947 Analyses Aluminum Antimony			RL 25.0 1.0	. •	2240 504	2000 500.0	0	111.9 100.8	80 80	120 120	Analyzed 10/14/20 10/14/20
SampID: LCS-22947  Analyses  Aluminum  Antimony  Arsenic			RL 25.0 1.0 1.0	. •	2240 504 537	2000 500.0 500.0	0 0 0	111.9 100.8 107.3	80 80 80	120 120 120	10/14/20 10/14/20 10/14/20
SampID: LCS-22947  Analyses  Aluminum  Antimony  Arsenic			RL 25.0 1.0	. •	2240 504	2000 500.0	0	111.9 100.8	80 80	120 120	Date Analyzed 10/14/20: 10/14/20: 10/14/20:
SampID: LCS-22947  Analyses  Aluminum  Antimony  Arsenic  Boron			RL 25.0 1.0 1.0	. •	2240 504 537	2000 500.0 500.0	0 0 0	111.9 100.8 107.3	80 80 80	120 120 120	10/14/20 10/14/20 10/14/20
SampID: LCS-22947  Analyses  Aluminum  Antimony  Arsenic  Boron  Cadmium			RL 25.0 1.0 1.0 25.0	Qual	2240 504 537 515	2000 500.0 500.0 500.0	0 0 0	111.9 100.8 107.3 103.0	80 80 80 80	120 120 120 120	Analyzed 10/14/20 10/14/20 10/14/20 10/14/20
SampID: LCS-22947  Analyses  Aluminum  Antimony  Arsenic  Boron  Cadmium  Chromium			RL 25.0 1.0 1.0 25.0 1.0	Qual	2240 504 537 515 60.6	2000 500.0 500.0 500.0 50.00	0 0 0 0	111.9 100.8 107.3 103.0 121.3	80 80 80 80	120 120 120 120 120	Analyzed 10/14/20 10/14/20 10/14/20 10/14/20 10/14/20 10/14/20
campID: LCS-22947  Analyses  Aluminum  Antimony  Arsenic  Boron  Cadmium  Chromium			RL 25.0 1.0 1.0 25.0 1.0	Qual	2240 504 537 515 60.6 213	2000 500.0 500.0 500.0 500.0 200.0	0 0 0 0 0	111.9 100.8 107.3 103.0 121.3 106.7	80 80 80 80 80	120 120 120 120 120 120	10/14/20 10/14/20 10/14/20 10/14/20 10/14/20
Analyses Aluminum Antimony Arsenic Boron Cadmium Chromium Iron Lead			RL 25.0 1.0 1.0 25.0 1.5 25.0	Qual	2240 504 537 515 60.6 213 2140	2000 500.0 500.0 500.0 50.00 200.0 2000	0 0 0 0 0 0	111.9 100.8 107.3 103.0 121.3 106.7 106.9	80 80 80 80 80 80	120 120 120 120 120 120 120	10/14/20 10/14/20 10/14/20 10/14/20 10/14/20 10/14/20 10/14/20
campID: LCS-22947  Analyses  Aluminum  Antimony  Arsenic  Boron  Cadmium  Chromium  Iron  Lead  Lithium		Cert	RL 25.0 1.0 1.0 25.0 1.0 1.5 25.0	Qual	2240 504 537 515 60.6 213 2140	2000 500.0 500.0 500.0 50.00 200.0 2000 500.0	0 0 0 0 0 0	111.9 100.8 107.3 103.0 121.3 106.7 106.9 106.1	80 80 80 80 80 80 80	120 120 120 120 120 120 120 120	Analyzed 10/14/20 10/14/20 10/14/20 10/14/20 10/14/20 10/14/20 10/14/20 10/14/20
SampID: LCS-22947  Analyses  Aluminum  Antimony  Arsenic  Boron  Cadmium  Chromium  Iron  Lead  Lithium  Manganese		Cert	RL 25.0 1.0 1.0 25.0 1.0 1.5 25.0 1.0 3.0	Qual	2240 504 537 515 60.6 213 2140 531	2000 500.0 500.0 500.0 50.00 200.0 2000 500.0	0 0 0 0 0 0 0	111.9 100.8 107.3 103.0 121.3 106.7 106.9 106.1 102.1	80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120	10/14/20 10/14/20 10/14/20 10/14/20 10/14/20 10/14/20 10/14/20 10/14/20 10/14/20
Batch 229474 SampID: LCS-22947 Analyses Aluminum Antimony Arsenic Boron Cadmium Chromium Iron Lead Lithium Manganese Selenium Vanadium		Cert	RL 25.0 1.0 1.0 25.0 1.5 25.0 1.0 3.0 2.0	Qual	2240 504 537 515 60.6 213 2140 531 511	2000 500.0 500.0 500.0 50.00 200.0 2000 500.0 500.0	0 0 0 0 0 0 0	111.9 100.8 107.3 103.0 121.3 106.7 106.9 106.1 102.1 111.4	80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120	Analyzed  10/14/20  10/14/20  10/14/20  10/14/20  10/14/20  10/14/20  10/14/20  10/14/20



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SW-846 3005A, 6020	JA, METAL	-2 BY ICE	INIO (L	ISSULVED	')						
- 4.00.1	ampType:	MS		Units µg/L							
SampID: 24091272-03	9CMS	~				~	0DK D-(1)/-1	0/ DEO	1 1 2 2	1.15.45 1.5.45	Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	
Arsenic			1.0		496	500.0	0	99.2	75	125	10/14/202
Boron			25.0		512	500.0	0	102.4	75	125	10/15/202
Cadmium			1.0		52.9	50.00	0	105.8	75	125	10/14/202
Chromium			1.5		203	200.0	3.561	99.8	75	125	10/15/202
Iron			25.0	S	1830	2000	388.5	72.1	75	125	10/16/202
Lead			1.0		478	500.0	0	95.6	75	125	10/14/202
Selenium			1.0		506	500.0	0	101.2	75	125	10/14/202
Zinc			15.0		479	500.0	0	95.7	75	125	10/15/202
Batch 229474 S	ampType:	MSD		Units µg/L					RPD Lin	nit <b>20</b>	
SampID: 24091272-03	9CMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Arsenic			1.0		490	500.0	0	98.0	496.1	1.25	10/14/202
Boron			25.0		503	500.0	0	100.5	512.1	1.85	10/15/202
Cadmium			1.0		52.3	50.00	0	104.5	52.92	1.23	10/14/202
Chromium			1.5		199	200.0	3.561	97.5	203.1	2.22	10/15/202
Iron			25.0		1900	2000	388.5	75.6	1830	3.76	10/16/202
Lead			1.0		480	500.0	0	95.9	477.9	0.36	10/14/202
Selenium			1.0		504	500.0	0	100.9	506.2	0.38	10/14/202
Zinc			15.0		479	500.0	0	95.8	478.6	0.11	10/15/202
Batch 230354 S	ampType:	MBLK		Units µg/L							
SampID: MBLK-23035	4										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Manganese			2.0		< 2.0	0.7500	0	0	-100	100	10/29/202
Jucin	ampType:	LCS		Units µg/L							
SampID: LCS-230354											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Manganese			2.0		497	500.0	0	99.4	80	120	10/29/202
3atch 230462 S	ampType:	MBLK		Units µg/L							
SampID: MBLK-23046	2										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Iron			25.0		< 25.0	11.50	0	0	-100	100	11/01/202



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Date

Client: Ramboll Work Order: 24091272

Client Project: NEW-24Q4 Report Date: 12-Nov-24

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

SampType: LCS Units µg/L Batch 230462

SampID: LCS-230462

Analyzed SPK Ref Val %REC Low Limit High Limit Cert RL Qual Result Spike Analyses

1920 120 Iron 25.0 2000 0 96.0 80 11/01/2024

SW-846 3005A, 6020A, METAL	S BY ICP	MS (TOT	TAL)							
Dutch	MBLK	Ur	nits µg/L							
SampID: MBLK-229297										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



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Batch 229297	SampType:	LCS		Units µg/L							
SampID: LCS-22929	7										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony			1.0		550	500.0	0	110.1	80	120	10/08/202
Arsenic			1.0		509	500.0	0	101.8	80	120	10/07/202
Barium			1.0		2080	2000	0	104.0	80	120	10/07/202
Beryllium			1.0		46.7	50.00	0	93.3	80	120	10/07/202
Boron			25.0		477	500.0	0	95.4	80	120	10/07/202
Cadmium			1.0		55.2	50.00	0	110.3	80	120	10/07/202
Chromium			1.5		203	200.0	0	101.3	80	120	10/07/202
Cobalt			1.0		510	500.0	0	102.0	80	120	10/07/202
Iron			25.0		1970	2000	0	98.6	80	120	10/07/202
Lead			1.0		498	500.0	0	99.6	80	120	10/07/202
Lithium		*	3.0		491	500.0	0	98.2	80	120	10/07/202
Manganese			2.0		491	500.0	0	98.3	80	120	10/07/202
Molybdenum			1.5		466	500.0	0	93.2	80	120	10/07/202
Selenium			1.0		489	500.0	0	97.8	80	120	10/07/202
Silver			1.0		57.7	50.00	0	115.4	80	120	10/07/202
Thallium			2.0		238	250.0	0	95.3	80	120	10/07/202
Vanadium			5.0		493	500.0	0	98.6	80	120	10/07/202
Zinc			15.0		477	500.0	0	95.4	80	120	10/07/202
Batch 229297	SampType:	MS		Units µg/L							
Sanch 223237 SampID: 24091272-(		WIS		Office pg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		CCIT	1.0	Quai	556	500.0	0	111.2	75	125	10/08/202
Arsenic			1.0		507	500.0	9.929	99.4	75	125	10/07/202
Barium			1.0		2130	2000	30.51	104.9	75	125	10/07/202
Beryllium			1.0		50.4	50.00	0	100.8	75	125	10/07/202
Boron			25.0		594	500.0	80.35	102.8	75	125	10/07/202
Cadmium			1.0		55.3	50.00	0	110.5	75	125	10/07/202
Chromium			1.5		200	200.0	2.018	98.9	75 75	125	10/07/202
Cobalt			1.0		470	500.0	0.8831	93.8	75	125	10/07/20
			1.0		501	500.0	0.7010	100.1	75 75	125	10/07/202
l ead											
		*	3 0		532	5በበ በ	23 59	707 6	/ ^	125	10/07/20
Lithium		*	3.0		532 479	500.0 500.0	23.59 6.480	101.6 94.5	75 75	125 125	10/07/20:
Lead Lithium Molybdenum Selenium		*	3.0 1.5 1.0		532 479 483	500.0 500.0 500.0	6.480 0	94.5 96.6	75 75 75	125 125 125	10/07/20 10/07/20 10/07/20



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SW-846 3005A, 6020A, ME	ETALS BY ICP	MS (TO	OTAL)							
Batch 229297 SampTy	pe: MSD		Units <b>µg/L</b>					RPD L	imit <b>20</b>	
SampID: 24091272-013BMSD	)									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	Val %RPD	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



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SW-846 3005A, 6020A, META		PMS (T	•							
Batch 229350 SampType:	MBLK		Units µg/L							
SampID: MBLK-229350										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



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SW-846 3005A, 6020A, META	I S BY ICE	MC (T	OTAL)							
Batch 229350 SampType:		1413 (1	Units µg/L							
SamplD: LCS-229350	200		O Pg/ =							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony		1.0	В	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



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Batch 229380	SampType:	MBLK		Units µg/L							
SampID: MBLK-2293	880										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Antimony			1.0		< 1.0	0.4500	0	0	-100	100	10/09/202
Arsenic			1.0		< 1.0	0.3750	0	0	-100	100	10/10/202
Barium			1.0		< 1.0	0.7000	0	0	-100	100	10/10/202
Beryllium			1.0		< 1.0	0.2500	0	0	-100	100	10/16/202
Boron			25.0		< 25.0	9.250	0	0	-100	100	10/10/202
Cadmium			1.0		< 1.0	0.1340	0	0	-100	100	10/10/202
Chromium			1.5		< 1.5	0.7000	0	0	-100	100	10/10/202
Cobalt			1.0		< 1.0	0.1150	0	0	-100	100	10/10/202
Iron			25.0		< 25.0	11.50	0	0	-100	100	10/10/202
Lead			1.0		< 1.0	0.6000	0	0	-100	100	10/10/202
Lithium		*	3.0		< 3.0	1.450	0	0	-100	100	10/16/202
Manganese			2.0		< 2.0	0.7500	0	0	-100	100	10/10/202
Selenium			1.0		< 1.0	0.6000	0	0	-100	100	10/09/202
Thallium			2.0		< 2.0	0.9500	0	0	-100	100	10/09/202
Thallium			2.0		< 2.0	0.9500	0	0	-100	100	10/09/202
Batch 229380	SampType:	LCS		Units µg/L	< 2.0	0.9500	0	0	-100	100	10/09/202
Batch 229380		LCS		Units <b>µg/L</b>	< 2.0	0.9500	0	0	-100	100	Date
<b>3atch 229380</b> sampID: LCS-229380		<b>LCS</b> Cert		Units <b>µg/L</b> Qual	< 2.0  Result	0.9500 Spike	0 SPK Ref Val	0 %REC	-100 Low Limit	100 High Limit	
<b>Batch 229380</b> SampID: LCS-229380 Analyses			l								Date
Batch 229380 SampID: LCS-229380 Analyses Antimony			RL		Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Batch 229380 SampID: LCS-229380 Analyses Antimony Arsenic			RL 1.0		Result 569	Spike 500.0	SPK Ref Val	%REC 113.9	Low Limit 80	High Limit	Date Analyzed 10/09/202 10/10/202
Batch 229380  SampID: LCS-229380  Analyses  Antimony  Arsenic  Barium			RL 1.0 1.0		Result 569 526	Spike 500.0 500.0	SPK Ref Val 0	%REC 113.9 105.3	Low Limit 80 80	High Limit 120 120	Date Analyzed
Batch 229380  SampID: LCS-229380  Analyses  Antimony  Arsenic  Barium  Beryllium			RL 1.0 1.0		Result 569 526 2090	Spike 500.0 500.0 2000	SPK Ref Val 0 0	%REC 113.9 105.3 104.4	Low Limit 80 80 80	High Limit 120 120 120	Date Analyzed 10/09/202 10/10/202 10/16/202
Batch 229380  SampID: LCS-229380  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron			RL 1.0 1.0 1.0		Result 569 526 2090 56.2	Spike 500.0 500.0 2000 50.00	SPK Ref Val 0 0 0	%REC 113.9 105.3 104.4 112.4	Low Limit 80 80 80 80	High Limit 120 120 120 120	Date Analyzed 10/09/202 10/10/202 10/10/202
Satch 229380 SampID: LCS-229380 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium			RL 1.0 1.0 1.0 1.0 25.0		Result 569 526 2090 56.2 496	Spike 500.0 500.0 2000 50.00 500.0	SPK Ref Val 0 0 0 0 0	%REC 113.9 105.3 104.4 112.4 99.2	Low Limit  80  80  80  80  80	High Limit 120 120 120 120 120 120	Date Analyzed 10/09/20 10/10/20 10/16/20 10/10/20 10/10/20
Batch 229380 SampID: LCS-229380 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium			RL 1.0 1.0 1.0 1.0 25.0		Result 569 526 2090 56.2 496 54.0	Spike 500.0 500.0 2000 50.00 500.0 50.00	SPK Ref Val 0 0 0 0 0 0	%REC 113.9 105.3 104.4 112.4 99.2 108.1	80 80 80 80 80 80	High Limit 120 120 120 120 120 120 120	Date Analyzed 10/09/202 10/10/202 10/10/202 10/10/202 10/10/202
Satch 229380 sampID: LCS-229380 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt			RL 1.0 1.0 1.0 1.0 25.0 1.0		Result 569 526 2090 56.2 496 54.0 206	Spike 500.0 500.0 2000 50.00 500.0 200.0	SPK Ref Val 0 0 0 0 0 0 0 0	%REC 113.9 105.3 104.4 112.4 99.2 108.1 103.1	Low Limit  80  80  80  80  80  80  80	High Limit 120 120 120 120 120 120 120 120	Date Analyzed 10/09/202 10/10/202 10/10/202 10/10/202
Batch 229380 BampID: LCS-229380 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt			RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5		Result 569 526 2090 56.2 496 54.0 206 494	Spike 500.0 500.0 2000 50.00 50.00 200.0 500.0	SPK Ref Val  0  0  0  0  0  0  0  0  0	%REC 113.9 105.3 104.4 112.4 99.2 108.1 103.1 98.7	Low Limit  80  80  80  80  80  80  80  80	High Limit  120 120 120 120 120 120 120 120 120 12	Date Analyzed 10/09/202 10/10/202 10/10/202 10/10/202 10/10/202 10/10/202 10/10/202
Batch 229380 SampID: LCS-229380 Analyses Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Iron Lead			RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0 25.0		Result 569 526 2090 56.2 496 54.0 206 494 1960	Spike 500.0 500.0 2000 50.00 500.0 200.0 500.0 2000	SPK Ref Val 0 0 0 0 0 0 0 0 0 0	%REC 113.9 105.3 104.4 112.4 99.2 108.1 103.1 98.7 97.9	80 80 80 80 80 80 80 80	High Limit 120 120 120 120 120 120 120 120 120 120	Date Analyzed 10/09/20 10/10/20 10/10/20 10/10/20 10/10/20 10/10/20 10/10/20 10/10/20
Batch 229380  SamplD: LCS-229380  Analyses  Antimony  Arsenic  Barium  Beryllium  Boron  Cadmium  Chromium  Cobalt  Iron  Lead  Lithium		Cert	RL 1.0 1.0 1.0 1.0 25.0 1.0 1.5 1.0 25.0 1.0		Result 569 526 2090 56.2 496 54.0 206 494 1960 498	Spike 500.0 500.0 2000 50.00 500.0 200.0 500.0 2000 500.0	SPK Ref Val  0 0 0 0 0 0 0 0 0 0 0 0 0	%REC 113.9 105.3 104.4 112.4 99.2 108.1 103.1 98.7 97.9 99.7	Low Limit  80  80  80  80  80  80  80  80  80  8	High Limit  120 120 120 120 120 120 120 120 120 12	Date Analyzed 10/09/20: 10/10/20: 10/10/20: 10/10/20: 10/10/20: 10/10/20:
		Cert	RL 1.0 1.0 1.0 1.0 25.0 1.5 1.0 25.0 1.0 3.0		Result 569 526 2090 56.2 496 54.0 206 494 1960 498 512	Spike 500.0 500.0 2000 50.00 500.0 200.0 500.0 2000 500.0 500.0	SPK Ref Val  0 0 0 0 0 0 0 0 0 0 0 0 0 0	%REC 113.9 105.3 104.4 112.4 99.2 108.1 103.1 98.7 97.9 99.7 102.5	Low Limit  80  80  80  80  80  80  80  80  80  8	High Limit  120 120 120 120 120 120 120 120 120 12	Date Analyzed 10/09/202 10/10/202 10/10/202 10/10/202 10/10/202 10/10/202 10/10/202 10/10/202 10/10/202 10/10/202 10/16/202 10



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SW-846 3005A, 6020A, META	LS BY ICF		•							
Batch 229445 SampType:	MBLK	1	Units µg/L							
SampID: MBLK-229445										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



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SW-846 3005A, 6020A, ME	ETALS BY ICP	MS (TO	OTAL)							
	pe: LCS		Units µg/L							
SampID: LCS-229445										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



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SW-846 3005A, 6020A, METAI	LS BY ICF	MS (TO	OTAL)							
Batch 229478 SampType:	MBLK		Units µg/L							
SampID: MBLK-229478										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



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SW-846 3005A, 6020A, META	ALS BY ICE	PMS (T	OTAL)							
Batch 229478 SampType	: LCS		Units µg/L							
SampID: LCS-229478										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



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Batch 229478 SampType:	: MS	ı	Jnits µg/L							
SampID: 24091272-002HMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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



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Batch 229478 SampTy	ype: MSD		Units µg/L					RPD Lin	nit <b>20</b>	
SampID: 24091272-002HMSI	)									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Antimony		1.0		562	500.0	0.7281	112.3	572.6	1.86	10/17/202
Arsenic		1.0		554	500.0	3.392	110.1	580.7	4.75	10/15/202
Barium		1.0		2780	2000	741.5	101.9	2890	3.87	10/15/202
Beryllium		1.0		52.1	50.00	0	104.2	53.23	2.18	10/15/202
Boron		25.0		660	500.0	172.2	97.5	648.6	1.71	10/15/202
Cadmium		1.0		52.1	50.00	0	104.3	54.46	4.34	10/15/202
Chromium		1.5		208	200.0	2.471	102.7	210.0	1.03	10/17/202
Cobalt		1.0		518	500.0	1.425	103.3	527.9	1.91	10/15/202
Copper		1.0		250	250.0	3.567	98.6	257.9	3.05	10/15/202
Iron		25.0		6060	2000	4353	85.6	6322	4.17	10/16/202
Lead		1.0		493	500.0	0.9524	98.3	510.7	3.58	10/11/202
Manganese		2.0		604	500.0	114.8	97.9	619.1	2.44	10/15/202
Nickel		1.0		505	500.0	3.057	100.3	515.0	2.06	10/15/202
Selenium		1.0		578	500.0	0	115.5	614.3	6.16	10/15/202
Silver		1.0		48.6	50.00	0	97.1	50.29	3.46	10/15/202
Thallium		2.0		241	250.0	0	96.6	249.4	3.25	10/11/202
Vanadium		5.0		546	500.0	4.850	108.3	551.4	0.90	10/15/202
Zinc		15.0		517	500.0	8.866	101.7	539.3	4.17	10/15/202
Batch 229990 SampTy	ype: MBLK		Units µg/L							
SampID: MBLK-229990										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Boron		25.0		< 25.0	9.250	0	0	-100	100	10/22/202
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	10/23/202
Iron		25.0		< 25.0	11.50	0	0	-100	100	10/22/202
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	10/22/202
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	10/22/202
	ype: LCS		Units µg/L							
SampID: LCS-229990										Date
Analyses	Cert		Qual	Result	Spike	SPK Ref Val			High Limit	Analyzed
Boron		25.0		547	500.0	0	109.4	80	120	10/22/202
		1.5		223	200.0	0	111.4	80	120	10/23/202
Chromium				1980	2000	0	99.2	80	120	10/22/202
Chromium		25.0		1900	2000	O	00.2	00	120	10/22/202
Chromium Iron Manganese		25.0 2.0		518	500.0	0	103.6	80	120	10/22/202



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SW-846 3005A, 6020A, N		-WIS (I	•							
Batch 229990 Samp1 SampID: 24091272-059CMS			Units µg/L							
						00140 4141	0/550		10 1 11 %	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	
Boron		25.0	S	8730	500.0	7753	195.3	75	125	10/22/202
Chromium		30.0		354	200.0	147.9	103.1	75	125	10/23/202
Iron		500	S	70300	2000	57780	627.9	75	125	10/23/202
Manganese		40.0		1130	500.0	664.3	93.2	75	125	10/23/202
Batch 229990 Samp			Units µg/L					RPD Lir	mit <b>20</b>	
SampID: 24091272-059CMS	SD									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Boron		25.0	S	7650	500.0	7753	-19.9	8729	13.13	10/22/202
Chromium		30.0		353	200.0	147.9	102.5	354.2	0.35	10/23/202
Iron		500	S	58100	2000	57780	17.7	70330	19.00	10/23/202
Manganese		40.0		1110	500.0	664.3	89.5	1131	1.65	10/23/202
Batch 230070 Samp	Гуре: MBLK		Units µg/L							
SampID: MBLK-230070										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	10/23/202
Batch 230070 Samp1 SampID: LCS-230070	Гуре: LCS		Units µg/L							Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lithium	*	3.0	<b>4</b>	528	500.0	0	105.6	80	120	10/24/20
Batch 230351 Samp	Гуре: MBLK		Units µg/L							
SampID: MBLK-230351										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Boron		25.0		< 25.0	9.250	0	0	-100	100	10/31/20
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	10/31/20
Copper		1.0		< 1.0	0.2980	0	0	-100	100	11/01/20
Iron		25.0		< 25.0	11.50	0	0	-100	100	10/31/20
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	10/31/20
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	11/01/20
Molybdenum		1.5		< 1.5	0.6000		0	-100	100	10/31/20
Morybuenum		1.5		1.5	0.0000	J	U	- 100	100	10/31/20



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Batch 230351 Sar	mpType:	LCS		Units µg/L							
SampID: LCS-230351											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Boron			25.0	-	558	500.0	0	111.7	80	120	10/31/202
Chromium			1.5		228	200.0	0	114.2	80	120	10/31/202
Copper			1.0		263	250.0	0	105.1	80	120	11/01/202
Iron			25.0		2120	2000	0	105.9	80	120	10/31/202
Lithium		*	3.0		549	500.0	0	109.8	80	120	10/31/202
Molybdenum			1.5		508	500.0	0	101.6	80	120	11/01/202
SW-846 7470A (DISSO	OLVED)										
Batch 229476 Sar SampID: 24091272-0550	mpType: CMS	MS		Units µg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury			0.20	<b>V</b>	4.73	5.000	0	94.6	75	125	10/10/202
Batch 229476 Sar	трТуре:	MSD		Units µg/L					RPD Lir	mit <b>15</b>	
SampID: 24091272-0550	CMSD										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury			0.20		4.37	5.000	0	87.5	4.728	7.82	10/10/202
SW-846 7470A (TOTA	L)										
<b>Batch 229313 Sar</b> SampID: MBLK-229313	mpType:	MBLK		Units µg/L							Data
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		CCIT	0.20	Quai	< 0.20	0.0550	0	0	-100	100	10/07/202
Batch 229313 Sar	mpType:	LCS		Units µg/L							
SampID: LCS-229313											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury			0.20		4.75	5.000	0	95.0	85	115	10/07/202
	трТуре:	MS		Units µg/L							
SampID: 24091272-013E	BMS										Date
			DI	01	Dogult	C:1	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Analyses		Cert	RL	Qual	Result	Spike	Of ICICCI Val	70TCLO	LOW LITTIE	riigir Liitiit	•



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SW-846 7470A (TOTAL)										
<b>Batch 229313 SampType:</b> SampID: 24091272-013BMSD	MSD		Units µg/L					RPD Lir	nit <b>15</b>	
·	Comt	DI	Oval	Dagult	Cailea	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike					40/07/000
Mercury		0.20		4.87	5.000	0	97.5	4.835	0.79	10/07/202
<b>Batch 229313 SampType:</b> SampID: 24091272-014BMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.85	5.000	0	97.0	75	125	10/07/202
Batch 229313 SampType:	MSD		Units µg/L					RPD Lir	mit <b>15</b>	
SampID: 24091272-014BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.20		4.58	5.000	0	91.6	4.852	5.78	10/07/202
Batch 229315 SampType:	MBLK		Units µg/L							
SampID: MBLK-229315										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	10/07/202
Batch 229315 SampType:	LCS		Units µg/L							
SampID: LCS-229315	a .	DI	0 1	D 1:	g '1	SPK Ref Val	0/ DEC	Low Limit	High Limit	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike				Ū	·
Mercury		0.20		4.49	5.000	0	89.8	85	115	10/07/202
Batch         229315         SampType:           SampID:         24091272-015BMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.20	5.000	0	84.0	75	125	10/07/202
Batch 229315 SampType:	MSD		Units µg/L					RPD Lir	mit <b>15</b>	
SampID: 24091272-015BMSD Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%RFC	RPD Ref V	al %RPD	Date Analyzed
Mercury	Cort	0.20	Quai	4.14	5.000	0	82.8	4.202	1.46	10/07/202
Batch 229315 SampType:	MS		Units µg/L							
SampID: 24091272-016BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.48	5.000	0	89.6	75	125	10/07/202



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Batch 229315 SampType:	MSD		Units µg/L					RPD Lir	nit 15	
SamplD: 24091272-016BMSD	III O D		OTHIO MY					I I D Ell	THE 10	Date
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury	Cort	0.20	Çuui	4.47	5.000	0	89.3	4.482	0.35	10/07/202
Batch         229358         SampType:           SampID:         MBLK-229358	MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	10/08/202
Batch 229358 SampType: SampID: LCS-229358	LCS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.46	5.000	0	89.2	85	115	10/08/202
Batch         229358         SampType:           SampID:         24091272-001HMS	MS	D.	Units µg/L		a ::	CDK Dat Val	0/ DEC	l avvil imit	I limb I incis	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val		Low Limit	High Limit	·
Mercury		0.20		4.47	5.000	0	89.4	75	125	10/08/202
<b>Batch</b> 229358 <b>SampType:</b> SampID: 24091272-001HMSD	MSD		Units µg/L					RPD Lir	nit <b>15</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.20		4.52	5.000	0	90.4	4.470	1.10	10/08/202
<b>Batch 229358 SampType:</b> SampID: 24091272-011BMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.55	5.000	0	91.1	75	125	10/08/202
Batch         229358         SampType:           SampID:         24091272-011BMSD	MSD		Units µg/L					RPD Lir	nit <b>15</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.20		4.57	5.000	0	91.3	4.554	0.26	10/08/202
Batch 229360 SampType: SampID: MBLK-229360	MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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Batch 229360 SampType:	ıcs		Units µg/L							
SamplD: LCS-229360	LOS		Offics pg/L							Data
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Mercury	Cert	0.20	Quai	4.34	5.000	0	86.7	85	115	10/08/202
Welcury		0.20		4.54	3.000	O	00.7	03	115	10/00/202
<b>Batch 229360 SampType:</b> SampID: 24091272-020BMS	MS		Units µg/L							
Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%RFC	Low Limit	High Limit	Date Analyzed
Mercury	Cert	0.20	Quai	4.63	5.000	0	92.5	75	125	10/08/202
Moroury		0.20			0.000	Ü	02.0	.0	120	10/00/202
Batch 229360 SampType: SampID: 24091272-020BMSD	MSD		Units µg/L					RPD Lir	mit <b>15</b>	
·	Comt	DI	Oval	Result	Cmileo	SPK Ref Val	%REC	RPD Ref V	al %RPD	Date Analyzed
Analyses  Mercury	Cert	RL 0.20	Qual	4.51	Spike 5.000	0	90.3	4.626	2.46	10/08/2024
Mercury		0.20		4.51	5.000	U	90.3	4.020	2.40	10/00/202
Batch 229360 SampType:	MS		Units µg/L							
SampID: 24091272-023BMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.50	5.000	0	90.0	75	125	10/08/202
Batch 229360 SampType:	MSD		Units µg/L					RPD Lir	nit <b>15</b>	
SampID: 24091272-023BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.20		4.46	5.000	0	89.2	4.499	0.91	10/08/202
Batch 229364 SampType:	MBLK		Units µg/L							
SampID: MBLK-229364										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	10/08/202
Batch 229364 SampType:	LCS		Units µg/L							
SampID: LCS-229364										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.49	5.000	0	89.8	85	115	10/08/202
Batch 229364 SampType:	MS		Units µg/L							
SampID: 24091272-052HMS			. •							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed



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Batch 229364 SampType:	MSD		Units µg/L					RPD Lir	nit 15	
SamplD: 24091272-052HMSD	WOD.		Ormo pg/L					I O E		Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Analyzed
Mercury		0.20		4.45	5.000	0	88.9	4.446	0.04	10/08/202
Batch 229364 SampType: SampID: 24091272-079CMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.40	5.000	0	88.0	75	125	10/08/202
<b>Batch 229364 SampType</b> : SampID: 24091272-079CMSD	MSD		Units µg/L					RPD Lir	nit <b>15</b>	
	Comt	DI	Oval	Dagult	Cmileo	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Analyses  Mercury	Cert	RL 0.20	Qual	Result 4.25	Spike 5.000	0	85.0	4.402	3.46	10/08/202
Mercury		0.20		4.25	3.000	O	65.0	4.402	3.40	10/00/202
Batch         229394         SampType:           SampID:         MBLK-229394	MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	10/09/202
Batch 229394 SampType:	LCS		Units µg/L							
SampID: LCS-229394 Analyses	Cert	RL	Oual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	Cort	0.20	Quai	4.49	5.000	0	89.8	85	115	10/09/202
Batch         229394         SampType:           SampID:         24091272-005CMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.44	5.000	0	88.9	75	125	10/09/202
Batch         229394         SampType:           SampID:         24091272-005CMSD	MSD		Units µg/L					RPD Lir	nit <b>15</b>	Data
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Va	al %RPD	Date Analyzed
Mercury		0.20	•	4.34	5.000	0	86.9	4.444	2.29	10/09/202
<b>Batch 229394 SampType:</b> SampID: 24091272-022BMS	MS		Units µg/L							Date
	α .	DI	0 1	D 1.	G 11	SPK Ref Val	0/ DEC	Low Limit	High Limit	Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPR Rei Vai	70KEC	LOW LITTIL	might Limit	,



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SW-846 7470A (TOTAL)										
Batch 229394 SampType:	MSD		Units µg/L					RPD Lir	nit <b>15</b>	
SampID: 24091272-022BMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.20		4.59	5.000	0	91.7	4.660	1.60	10/09/202
Batch 229395 SampType: SampID: MBLK-229395	MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	10/09/202
Batch 229395 SampType: SampID: LCS-229395	LCS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.45	5.000	0	89.0	85	115	10/09/202
<b>Batch 229395 SampType:</b> SampID: 24091272-081BMS	MS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.49	5.000	0	89.8	75	125	10/09/202
Batch         229395         SampType:           SampID:         24091272-081BMSD	MSD		Units µg/L					RPD Lir	mit <b>15</b>	Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref V	al %RPD	Analyzed
Mercury		0.20	-	4.53	5.000	0	90.6	4.491	0.90	10/09/202
Batch 229476 SampType: SampID: MBLK-229476	MBLK		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	10/10/202
Batch 229476 SampType: SampID: LCS-229476	LCS		Units µg/L							Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.20		4.60	5.000	0	91.9	85	115	10/10/202
Batch 229476 SampType:	MS		Units µg/L							
										Date
SampID: 24091272-077HMS Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%PEC	Low Limit	High Limit	Analyzed



Client Project: NEW-24Q4

Batch 229481

SampType:

MSD

### **Quality Control Results**

#### http://www.teklabinc.com/

Report Date: 12-Nov-24

RPD Limit 15

Client: Ramboll Work Order: 24091272

**SW-846 7470A (TOTAL)** Units µg/L RPD Limit 15 SampType: MSD Batch 229476 SampID: 24091272-077HMSD Date Analyzed SPK Ref Val %REC RPD Ref Val %RPD Cert Qual RL Result Spike 0.20 4.33 5.000 86.5 4.499 3.93 10/10/2024 Mercury 0 Batch 229481 SampType: MBLK Units µg/L SampID: MBLK-229481 Date Analyzed Qual SPK Ref Val %REC Low Limit High Limit RL Analyses Cert Result Spike 0.20 < 0.20 0.0550 0 0 -100 Mercury 100 10/10/2024 Batch 229481 SampType: LCS Units µg/L SampID: LCS-229481 Date Analyzed %REC High Limit SPK Ref Val Low Limit Analyses Cert RL Qual Result Spike 4.70 Mercury 0.20 5.000 94.0 85 115 10/10/2024

Batch 229481	SampType:	MS		Units µg/L								
SampID: 24091272	-078HMS											Date
Analyses		Cert	RL	Qual	Result	Spil	e SPK R	tef Val	%REC	Low Limit	High Limit	Analyzed
Mercury			0.20		4.69	5.00	0		93.8	75	125	10/10/2024

SampID: 24091272-078HMSD										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref \	/al %RPD	Analyzed
Mercury		0.20		4.55	5.000	0	91.0	4.688	2.95	10/10/2024

Units µg/L



# APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND

### **Receiving Check List**

NEW-257-501

http://www.teklabinc.com/

Client: Ramboll Work Order: 24091272 Client Project: NEW-24Q4 Report Date: 12-Nov-24 Received By: AMD Carrier: Daniel Crump Elizabeth a Hurley Completed by: Moon Dilacuc Reviewed by: On: On: 04-Oct-24 09-Oct-24 Amber Dilallo Elizabeth A. Hurley Pages to follow: Chain of custody 18 Extra pages included 0 Shipping container/cooler in good condition? **V** No Not Present Temp °C Yes 1.9 Type of thermal preservation? Ice 🗸 Blue Ice Dry Ice None Chain of custody present? **~** Nο Yes Chain of custody signed when relinquished and received? Yes **~** Chain of custody agrees with sample labels? Yes No **~** Samples in proper container/bottle? Yes No L **~** Sample containers intact? Yes No **V** No Sufficient sample volume for indicated test? Yes **~** All samples received within holding time? Yes No 🗀 NA  $\square$ Field 🗹 Lab  $\square$ Reported field parameters measured: Yes 🗹 Container/Temp Blank temperature in compliance? No L 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. Yes 🗸 Water - at least one vial per sample has zero headspace? No 🗀 No VOA vials No 🗌 Water - TOX containers have zero headspace? Yes 🔲 No TOX containers ✓ No 🗸 Yes 🗌 Water - pH acceptable upon receipt? NPDES/CWA TCN interferences checked/treated in the field? Yes No 🗀 NA 🔽

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

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

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

# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT CHAIN-OF-CUSTODY / Analytical Request Document NEWTON POWER PLANT AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT AND CORR

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

NEW-257-501

Section Required	A   Client Information:	,			ion C							arato:	,							Γ	Page:	1	of	6					
Сотрапу	Vistra Corp-Newton	Report To:	Briar	i Vo	elker				Atten	ion:	Brian	Voe	lker	******				<del></del>	7						Ł				······································
Address:	6725 N. 500th St	Сору То:	Terry	Han	ratty - Terry.Har	ratty@vistr	acorp.com		Comp	any Na	me: \	/istra	Corp	p	-				十	********	<del>0/0/(//0/0/444</del> //)	<del>//**********</del> *************************	R	EGUL	_ATO	RY A	GENCY	*******	***********
	Newton, IL 62448								Addre	ess:	see S	Section	on A							NP	DES		GRO	UND V	VATE	R	DRINK	ING WATE	ER .
Email To:	Brian.Voelker@VistraCorp.com	Purchase O	rder N	io.:					Quote Refere	nce.										US	ST		RCR	Α		o	THER		
Phone:	(217) 753-8911 Fax:	Project Nam	ne;						Projec Manag	ŧ									十	Sit	e Loc	ation						A	
Reque	sted Due Date/TAT: 10 day	Project Num	nber;						Profile										_		ST.	ATE:		1	IL				
									L	*******							Re	ques	ted A	maly	sis Fi	Itere	d (Y/N	ł)	***************************************	T	l		
	Section D Valid Matrix C Required Clent Information MATRIX		left)	€	-	DLLECTE	`	T			Prese	n roti			Y/N 🌡							T			T	7			:
	DRNKING WATER	CODE DW	des to	C=COMP)		JLLEGIE	<i>J</i>	Ζ		$\vdash$	Prese	rvau	ves	Т	Ĥ		-	-	$\dashv$	┿		├	$\vdash$		-	╅			
ITEM#	WASTE WATER PRODUCT SOULSOULD OIL WIPE AR	WT WWW P SL CL WP WP OT TS	MATRIX CODE (see valid codes to lett)	SAMPLE TYPE (G=GRAB C=	DATE		TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	HNO <sub>3</sub>	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Other	↓ Analysis Test	NEW-257-501		NEW-811-503	NEW-845-501	NEW-NE-301	NEW-SUP-000					Residual Chlorine (Y/N)	·	ect No./ L	X
1	A213		WT	G	10-3-24		<u>141                                   </u>		14	7 1	2   3	1		$\bot$			X			4-			$\sqcup$		$\bot$		<b></b>	4091272-	<del></del>
2	A214		WΤ	G				$\bot$	25	15 1	+	1		4			X	1		_	$\bot$		<del>                                     </del>	_				4091272-	···
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CHAIN-OF-CUSTODY / Analytical Request Document NEWTON POWER PLANT AS POND

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NEW-257-501

Section		Section B Required Pr	roject I	nforn	nation;					on C		n:			•												Pag	e:	2	of	6
Company	Vistra Corp-Newton	Report To: [	Brian	Voe	elker				Attenti	ion:	Br	ian \	/oell	ker						7						-	<i></i>				
Address:	6725 N. 500th St	Copy To: 7	Terry	Hanr	atty - Terry.Hanratty	@vistracon	p.com		Comp	any Na	ame:	Vis	tra (	Corp						T		***************************************	*********	}	REG	ULAT	ORY	AGE	NCY		
	Newton, IL 62448								Addre	55:	se	e Se	ctio	n A						Т	N	PDES	*****	GRO	OUNE	WAT	ER		DRINKI	NG WATE	Ŕ
Email To	Brian, Voelker@VistraCorp.com	Purchase Or	der No	0.:					Quote Refere	псе;		··		,						1	Ų	IST		RCF	₹A			OTH	HER		
Phone:	(217) 753-8911 Fax:	Project Name	<b>e</b> :						Project Manag	es:											s	ite Loc	atior	1				Т			
Requ	ested Due Date/TAT: 10 day	Project Num	ber:		·····				Profile													ST	ATE:			IL		┸			
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	Section D Valid Matrix Co Required Client Information MATRIX	odes CODE	(telf.)	Ę	COLLE	ECTED					Pre	esen	rativ	es	ľ	ΝX															
ITEM #	DRAKING WATER WASTE WASTE WASTE WASTE WASTE WASTE WASTE WASTE PRODUCT SOLUSOUD OIL WIPE AIR (A-Z, 0-9 / -) OTHER	DW WT WW P SL OL WP AR OT TS	E (see valid	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIM	<b>IE</b>	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HOI	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Methanol		# Analysis Test	NEW-257-501	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501 NEW-SUP-000					(IA/A) = Francis (IA/A)	Residual Chiorine (Y/N)	Proje	ct No./ L	ab I.D.
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4	APW17		Wī	G	10-2-74	1018	<u> </u>		3	1	2	2					Х			x		X	$oldsymbol{\perp}$					$\perp$	24	091272-	020
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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTOM BEPORT

CHAIN-OF-CUSTODY / Analytical Request Document

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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTOM BEPORT

NEWTON POWER PLANT

NEW-257-501

Section Requires	A d Ctent Information:	Section B Required Pro	ject Info		-or-Custody is a	LEGALD	9	Sectio	on C	mation;		S IIIUS	t be a	anpier	cu au	ALL CI	э <b>.у</b> .							[	Page:	3	of	6
Сотралу	Vistra Corp-Newton	Report To: B	rian V	pelker				Attentio				elke	٢											·			***************************************	
Address:	6725 N. 500th St	Copy To: To	erry Ha	nratty - Terry Hanra	tty@vistracorp	.com	-	Compa	any Na	ame:	Vist	ra Co	orp					1				R	EGU	LATO	RY A	SENCY		EXCELLENTE STATE
	Newton, IL 62448						7	Addres	ss:	see	Sec	tion /	Α					7	N	PDES	/*************************************	GRO	UND \	NATE	R	DRINK	ING WATE	R
Email To:	Brian Voelker@VistraCorp.com	Purchase Ord	er No.:			• • • • • • • • • • • • • • • • • • • •		Quote Referer	····										ŧ	JST		RCR	Α		0	THER		
Phone:	(217) 753-8911 Fax:	Project Name	;				F	roject											5	ite Loc	cation	1	•. ••				********	A
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2	G111		NT G					0									Х									2	4091272-	034
3	G112	\	WT G					0									Х									2	4091272-	035
4	G113	1	NT G					٥						╛	L		X				$\perp$				$\bot$	2	4091272-	ევ6
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					SIGNATURE			Tu	<u>~~</u>	<u>~</u> -∧.}			00		Τ	DATE (MM/	Sign DD/Y	ed /}:	10	3/2	— 4				Temp in °C	Received or Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
CHAIN-OF-CUSTODY / Analytical Request Document NEWTON POWER PLANT AND ASSESSED OF THE PROPERTY OF T

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Section Require	n A d Client Information:	Vistra Corp-Newton Report To: Brian Voelker																						Page:	4	of	6
Compan	y: Vistra Corp-Newton	Report To: Br	ian Vo	elker			Attent	on:	Bri	an V	oelke	f															
Address	6725 N. 500th St	Сору То: Те	rry Hai	ratty - Terry.Hanratty	@vistracorp.com		Comp	any Na	ame:	Vis	tra Co	orp						•			R	EGU	LATO	RY AC	SENCY		į.
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Email To	Brian Voelker@VistraCorp.com	Purchase Orde	er No.:				Quote Refere	nce.									1	US	Т		RCR	Ą		0	THER		
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ANNUAL GROUNDWATER MONITORING AND CORRECTHY FACTION RESCHAIN-OF-CUSTODY / Analytical Request Document NEWTON POWER PLANT AND ASSESSED.

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NEW-257-501

Section C Section A Section B 5 6 Page: οŧ Required Client Information: Required Project Information: Invoice Information: Report To: Brian Voelker Attention: Company: Vistra Coro-Newton Brian Voelker Address: 6725 N. 500th St Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Address: Newton, IL 62448 see Section A DRINKING WATER **NPDES GROUND WATER** Email To: Purchase Order No.: Quote Brian.Voelker@VistraCorp.com UST **RCRA** OTHER References Project Name: Project Phone: (217) 753-8911 Site Location Manager 1L Project Number: rofile #: Requested Due Date/TAT: STATE: 10 day Requested Analysis Filtered (Y/N) Valid Matrix Codes Section D (see valid codes to left) (G=GRAB C=COMP) COLLECTED Preservatives Required Client Information MATRIX CODE DRINKING WATER WY WW WATER WASTE WATER PRODUCT VEW-NPDES-501 OL WP AR OT OIL WIPE # OF CONTAINERS Analysis Test Chlorine SAMPLE ID VEW-SUP-000 VEW-811-503 JEW-257-501 **JEW-811-502** VEW-845-501 AIR MATRIX CODE VEW-NE-501 (A-Z 0-9/ -) OTHER SAMPLETYPE Sample IDs MUST BE UNIQUE TISSUE Residual Methanol TEM Project No./ Lab I.D. DATE TIME 10-3-24 10 24091272-065 R217D WT 1 G Х 2 3 24091272-066 2 R219 wr G 14 Х 24091272-067 S101 WT Ģ 3 3 Х 7 3 24091272-068 \$102 WT G 2 4 Х Х 24091272-069 SG02 WT G o 5 923 Х 24091272-070 T101 WT 10/3/24 2 Ιз 6 G Х 7 2 3 24091272-071 7 T102 WT G 10/3/24 1016 Х XPW01 0 Х 24091272-072 WT G removed/abandoned 8 Х Х 24091272-073 WT 0 9 XPW02 G removed/abandoned Х Х 24091272-074 XPW03 0 WT 10 Ġ removed/abandoned Х Х 24091272-075 ٥ 11 XPW04 wr G removed/abandoned Х Х XSG01 WT Ð 24091272-076 12 G Х Х Х Х Х 24091272-077 Field Blank WT G 16 3 13 10-3-14 1141 2 Х 24091272-078 14 3 A213 Duplicate WT G 14 Х Х Х 24091272-079 APW02 Duplicate 10-2-24 2 15 WT G Х 24091272-080 16 G104 Duplicate WT G 2 SAMPLE CONDITIONS ACCEPTED BY / AFFILIATION DATE TIME ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME 10-3  $\overline{z}$ **NEW-24Q4 Rev 0** z 10/2/101 SAMPLER NAME AND SIGNATURE Samples Intact (Y/N) Received or toe (Y/N) Custody Sealed Cool (Y/N) Гетр іл ° PRINT Name of SAMPLER: Parce DATE Signed SIGNATURE of SAMPLER: / 10/2/24 (MM/DD/YY):

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORTS
CHAIN-OF-CUSTODY / Analytical Request Document NEWTON POWER PLANT CHAIN CORRECTIVE ACTION REPORTS

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NEW-257-501

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Email To	Brian Voelker@VistraCorp.com	Purchase Orde	r No.:					Quote											:	JST		R	CRA			0	THER		
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# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT OF THE PROPERTY

**CHAIN-OF-CUSTODY / Analytical Request Document** 

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# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT AL Request Document NEWTON POWER PLANT PARTY AS PORTER NEWTON POWER PLANT PARTY PAR

**CHAIN-OF-CUSTODY / Analytical Request Document** 

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# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT AS POND NEW-257-507

# CHAIN-OF-CUSTODY / Analytical Request Document

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# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT PRINT NEW-257-501

# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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### CHAIN-OF-CUSTODY / Analytical Request Document

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### CHAIN-OF-CUSTODY / Analytical Request Document

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

Section B Section C Section A 6 6 Page: of Required Project Information: Required Clent Information: Invoice Information: Attention: Brian Voelker Report To: Brian Voelker Company: Vistra Corp-Newton REGULATORY AGENCY Company Name: Vistra Corp Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com Address: 6725 N. 500th St DRINKING WATER NPDES GROUND WATER Address: see Section A Newton, IL 62448 UST RCRA OTHER Purchase Order No.: Fmail To: Brian.Voelker@VistraCorp.com Zeferer Tolect Site Location Project Name: Phone: (217) 753-8911 IL rofile #: Project Number. STATE: 10 day Requested Due Date/TAT: Requested Analysis Fiftered (Y/N) Valid Matrix Codes Section D COLLECTED Preservatives Required Client Information MATRIX DRINKING WATER =GRAB NEW-NPDES-501 WASTE WATER WW See Chtorine ( # OF CONTAINERS Analysis Test PRODUCT NEW-SUP-000 SOLVEOND VEW-811-502 VEW-811-503 VEW-845-50 VEW-257-501 SAMPLE ID NEW-NE-501 OL WP AR OT MATRIX CODE WIPE (A-Z, 0-9/,-) Methanol Residual Sample IDs MUST BE UNIQUE ITEM# HSO<sub>4</sub> HCI NaOH Project No./ Lab I.D. DATE TIME 24091272-081 X 10 35 1 34 1 C 35 APW19S Duplicate WT 6 10.7.24 1 24091272-082 XXXXX 16 1 3 Equipment Blank 1 WT G 2 XXXXXXX 24091272-083 wr G 16 9 2 1 3 1 Equipment Blank 2 3 XXXXXX 24091272-084 16 9 2 1 Equipment Blank 3 WΤ G 4 6 6 7 8 9 10 11 12 13 14 15 16 SAMPLE CONDITIONS ACCEPTED BY / AFFILIATION DATE RELINQUISHED BY / AFFILIATION DATE TIME ADDITIONAL COMMENTS 11 of C NEW-24Q4 Rev 0 Custody Santed Cooler (Y/N) SAMPLER NAME AND SIGNATURE Received or fce (Y/N) PRINT Name of SAMPLER: Tracil Carrell DATE Signed 10.7.24 SIGNATURE of SAMPLER: (MM/DD/YY):

# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT AI Request Document NEWTON POWER PLANT PAINS ASSEPTION NEWTON POWER PLANT PAINS ASSEPTION NEWTON POWER PLANT PAINS ASSEPTION NEWTON POWER PLANT PAINS ASSETT

### **CHAIN-OF-CUSTODY / Analytical Request Document**

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Email To:	Brian Voeiker@VistraCorp.com	Purchase O	Order i	io.:				_	Quote Refere													US.			RCR				OT!	HER		
Phone:	(217) 753-8911 Fax:	Project Nan	ne:					7	Project									******			_	Site	Loca	tion		C/PACCOUNT		***********	***************************************	**************************************	THE THE PROPERTY OF THE PROPER	*******************************
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# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT AND ASL PONE ALL REQUEST DOCUMENT

### CHAIN-OF-CUSTODY / Analytical Request Document

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# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT CALL NEWTON POWER PLANT AND NEW-257-501

# CHAIN-OF-CUSTODY / Analytical Request Document

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# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT SELECTIVE ACTION REPORT NEWTON POWER PLANT PARTY NEW-257-501

# CHAIN-OF-CUSTODY / Analytical Request Document

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# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPO

# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be completed accurately.

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Email To:	Brian Voelker@VistraCorp.com	Purchase Ord	der N	0.:			<del></del>		Quote Referen											1	UST			RCRA	٥į			OTHER		dolusion
Phone:	(217) 753-8911 Fax:	Project Name	3:				· · · · · · · · · · · · · · · · · · ·		Project Manage										•	- \$	Site	Locat	ion	***************************************	***************************************	CONTRACTOR AND	William		<del>alo mino o concreta de presidenta de</del>	
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# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT CALL NEWTON POWER PLANT PAIN NEW-257-501

# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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#### http://www.teklabinc.com/

November 07, 2024

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

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

Director of Customer Service

(618)344-1004 ex 33

ehurley@teklabinc.com

Elizabeth a Hurley



## **Report Contents**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24091273 Client Project: NEW-24Q4 Report Date: 07-Nov-24

#### This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	35
Receiving Check List	36
Chain of Custody	Appended



#### **Definitions**

http://www.teklabinc.com/

Report Date: 07-Nov-24

Client: Ramboll Work Order: 24091273

Abbr Definition

Client Project: NEW-24Q4

- \* 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**

http://www.teklabinc.com/

Work Order: 24091273 Client: Ramboll Client Project: NEW-24Q4 Report Date: 07-Nov-24

#### Qualifiers

- # Unknown hydrocarbon
- RL shown is a Client Requested Quantitation Limit
- Holding times exceeded H -
- Analyte detected below quantitation limits
- Not Detected at the Reporting Limit
- Spike Recovery outside recovery limits
- X Value exceeds Maximum Contaminant Level

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)



### **Case Narrative**

http://www.teklabinc.com/

Client: Ramboll Work Order: 24091273 Client Project: NEW-24Q4 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		Springfield		Kansas City
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com
	Collinsville Air		Chicago		
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.		
	Collinsville, IL 62234-7425		Downers Grove, IL 60515		
Phone	(618) 344-1004	Phone	(630) 324-6855		
Fax	(618) 344-1005	Fax			
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com		

## **Accreditations**

http://www.teklabinc.com/

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

NEW-257-501 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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	10/30/2024 12:06 R355774

NEW-257-501 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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	10/30/2024 12:06 R355774

NEW-257-501 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 SUBCO	NTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Se	ee Attached		1	10/30/2024 12:06 R355774

NEW-257-501 http://www.teklabinc.com/

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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	10/30/2024 12:06 R355774

NEW-257-501 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 SUBC	ONTRACTING AN	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	10/30/2024 12:07 R355774

NEW-257-501 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 I	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	Sec	e Attached		1	10/30/2024 12:04 R355774

NEW-257-501 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 M	1DL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	10/30/2024 12:04 R355774

NEW-257-501 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 1	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	10/30/2024 12:04 R355774

NEW-257-501 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 M	1DL	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	

NEW-257-501 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 1	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	10/30/2024 12:04 R355774

NEW-257-501 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 SUBC	ONTRACTING AN	IALYSIS						
Subcontracted Analysis	*	0	0	Se	ee Attached		1	10/30/2024 12:04 R355774

NEW-257-501 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	<b>Certification</b>	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	10/28/2024 12:22 R355774

NEW-257-501 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 SUBCO	ONTRACTING AN	ALYSIS						
Subcontracted Analysis	*	0	0	S	ee Attached		1	10/28/2024 12:22 R355774

NEW-257-501 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 SUBCO	ONTRACTING AN	ALYSIS						
Subcontracted Analysis	*	0	0	S	ee Attached		1	10/28/2024 12:22 R355774

NEW-257-501 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	<b>Certification</b>	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	10/28/2024 12:22 R355774

NEW-257-501 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 M	<b>ID</b> L	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	

NEW-257-501 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	<b>Certification</b>	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	10/28/2024 12:22 R355774

NEW-257-501 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 SUBCO	ONTRACTING AN	ALYSIS						
Subcontracted Analysis	*	0	0	S	ee Attached		1	10/28/2024 12:22 R355774

NEW-257-501 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 SUBCO	ONTRACTING AN	ALYSIS						
Subcontracted Analysis	*	0	0	S	ee Attached		1	10/28/2024 12:22 R355774

NEW-257-501 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 SUBC	ONTRACTING AN	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	10/28/2024 12:22 R355774

NEW-257-501 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 M	<b>ID</b> L	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	ONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	10/28/2024 12:22 R355774

NEW-257-501 http://www.teklabinc.com/

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 1	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	10/28/2024 12:22 R355774

NEW-257-501 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 1	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	10/28/2024 12:22 R355774

NEW-257-501 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 1	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	10/28/2024 12:22 R355774

NEW-257-501 http://www.teklabinc.com/

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 I	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	10/28/2024 12:25 R355774



NEW-257-501 http://www.teklabinc.com/

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 N	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	LYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	10/28/2024 12:25 R355774



NEW-257-501 http://www.teklabinc.com/

Client: Ramboll Work Order: 24091273

Client Project: NEW-24Q4 Report Date: 07-Nov-24

Lab ID: 24091273-027Client Sample ID: APW19S DuplicateMatrix: GROUNDWATERCollection Date: 10/07/2024 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUB	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	See	Attached		1	10/28/2024 12:25 R355774

NEW-257-501 http://www.teklabinc.com/

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	<b>Certification</b>	MDL	RL	Qual	Result	Units	DF	Date Analyzed Batch
SEE ATTACHED FOR SUBC	CONTRACTING ANA	ALYSIS						
Subcontracted Analysis	*	0	0	Se	e Attached		1	10/28/2024 12:26 R355774



## **Sample Summary**

## http://www.teklabinc.com/

Client: Ramboll Work Order: 24091273 Client Project: NEW-24Q4 Report Date: 07-Nov-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	<b>Collection Date</b>
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	



### APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW-257-501

**Receiving Check List** 

http://www.teklabinc.com/

Client: Ramboll Work Order: 24091273 Client Project: NEW-24Q4 Report Date: 07-Nov-24

Received By: AMD Carrier: Daniel Crump Elizabeth a thurley Completed by: Reviewed by: AMY Ollgano On: On: 04-Oct-24 09-Oct-24 Amber Dilallo Elizabeth A. Hurley 18 32 Pages to follow: Chain of custody Extra pages included Yes **V** No \_\_ Not Present Temp °C Shipping container/cooler in good condition? 1.9 Type of thermal preservation? Ice 🗹 Blue Ice Dry Ice None Chain of custody present? **~** No L Yes Chain of custody signed when relinquished and received? **~** Yes No **~** Chain of custody agrees with sample labels? Yes No **V** Samples in proper container/bottle? Yes No L **V** Sample containers intact? Yes No **V** No Sufficient sample volume for indicated test? Yes **~** All samples received within holding time? Yes No 🗀 NA 🗸 Field Lab  $\square$ Reported field parameters measured: Yes 🗹 No 🗌 Container/Temp Blank temperature in compliance? 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 ✓ No 🗌 No TOX containers Water - TOX containers have zero headspace? Yes 🔲 Yes 🗌 No 🗸 Water - pH acceptable upon receipt? NA 🗹 NPDES/CWA TCN interferences checked/treated in the field? Yes No 🗀 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

# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE AIR REQUEST DOCUMENT NEWTON POWER PLANT, THE

CHAIN-OF-CUSTODY / Analytical Request Document

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

NEW-257-501 Section C Section A Section B 1 6 Page: Required Client Information: Required Project Information: Invoice Information Attention: Company: Report To: Brian Voelker Brian Voelker Vistra Corp-Newton Company Name: Vistra Corp Address: 6725 N 500th St Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com REGULATORY AGENCY Address see Section A Newton, IL 62448 NPDES GROUND WATER DRINKING WATER Quote Email To: Brian. Voelker@VistraCorp.com Purchase Order No.: UST RCRA OTHER Reference: Project Name: Project Phone: (217) 753-8911 Fax: Site Location 1L roffe #: Project Number: STATE 10 day Requested Due Date/TAT: Requested Analysis Filtered (Y/N) Ra226/228, only Section D Valid Matrix Codes vaid codes to left) C=COMP) COLLECTED Preservatives Required Client Information MATRIX CODE DRINKING WATER OW SAMPLE TEMP AT COLLECTION WATER wr WASTE WATER ww Residual Chlorine (Y/N) (G=GRAB PRODUCT SOU /SOUD es) NEW-NPDES-501 Analysis Test OL # OF CONTAINERS SAMPLE ID WIPE VEW-SUP-000 VEW-811-503 NEW-811-502 VEW-845-501 VEW-257-501 AIR **NEW-NE-501** MATRIX CODE (A-Z, 0-9 / ,-) OTHER SAMPLETYPE Sample IDs MUST BE UNIQUE TEM Project No./ Lab I.D. DATE TIME Х N/A 10-2-24 1141 A213 1 Х N/A A214 2 N/A X A215 3 10-2-24 049 Х Х Х 24091273-001 Х \* APW02 WT G 2 2 4 Х Х Х Χ 24091273-002 2 2 APW03 WT 5 Х Х Х Х 24091273-003 APW04 WT 2 G £ Х Х 146 Х Х 24091273-004 2 2 wr APW05 G 7 Х Х 10-2-24 2 Х 24091273-005 2 Wī APW05S メ 8 Х Х Х Х 24091273-006 2 2 APW06 WŢ G 9 Х Х Х 24091273-007 2 2 APW07 WΤ 10 0935 2 Х Х Х 24091273-008 2 APW08 wr 11 Х Х 2 2 Х 24091273-009 APW09 WT 12 Х Х Х 24091273-010 10-1-24 158 2 2 APW10 WT 13 Х 1025 2 Х Х 24091273-011 2 APW11 wτ 14 2 Х Х 1102 Х 24091273-012 APW12 WΤ G 15 Х 2 Х 24091273-013 الأ 2 APW13 G WŢ 16 SAMPLE CONDITIONS RELINQUISHED BY / AFFILIATION DATE ACCEPTED BY / AFFILIATION DATE TIME ADDITIONAL COMMENTS 9 Han 10-3 OKK NEW-24Q4 Rev 0 SAMPLER NAME AND SIGNATURE Samples Intact (Y/N) Received or Ice (Y/N) Custody rated Cool (Y/N) DATE Signed (MM/DD/YY):

PRINT Name of SAMPLER: JUSTIN GIP

SIGNATURE OF SAMPLER: JUSTIN GIP

SIGNATURE OF SAMPLER: JUSTIN GIP

MM/DD

APUDO2 2/2, APW 05S 1/2, APUD12 1/2, APW 15 2/2, APW 16 2/2,

ADMY OS 1/2. APW 22S 1/2 1/2/11/11/11

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACCOUNT OF CHAIN-OF-CUSTODY / Analytical Request Document

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

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Phone:	(217) 753-8911 Fax:	Project Name:					$\neg$	Project Manage											Sit	e Loca	ation			***************************************	***************************************	1		-	
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**CHAIN-OF-CUSTODY / Analytical Request Document** 

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MEW-257-501 Section C Section B Section A 3 8 Page: Required Client Information: Required Project Information: Invoice Information: Report To: Brian Voelker Attention: Brian Voelker Company: Vistra Corp-Newton Company Name: Vistra Corp Address: 6725 N. 500th St Copy To: Terry Hanratty - Terry Hanratty@vistracorp.com REGULATORY AGENCY Address: see Section A Newton, IL 62448 NPDES GROUND WATER DRINKING WATER Purchase Order No.: Email To: Brian, Voelker@VistraCorp.com OTHER UST RCRA Reference Phone: (217) 753-8911 Project Name: Project Site Location Manager: IL Profile #: Project Number: STATE: Requested Due Date/TAT: 10 day Requested Analysis Filtered (Y/N) Ra226/228, only Valid Matrix Codes N.X Section D valid codes to left) C=COMP) COLLECTED Preservatives MATEIX CODE Required Client Information DRINKINGWATER DW SAMPLE TEMP AT COLLECTION WATER WASTE WATER ww ₹ 2 (G=GRAB SOLUSOUD ST OF SE (see NEW-NPDES-501 # OF CONTAINERS Residual Chlorine Analysis Test CII. SAMPLE ID WIPE NEW-SUP-000 VEW-257-501 VEW-811-502 VEW-811-503 NEW-845-501 MATRIX CODE NEW-NE-501 (A-Z, 0-9 / .-) CUTTICO SAMPLE TYPE Unpreserved Sample IDs MUST BE UNIQUE Methano Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> TEM# Project No./ Lab I.D. DATE TIME Х MA G109 1 χ NΑ G111 2 N/A Х G112 3 Х WA G113 4 Х N/A G114 5 Х N/A G115 6 Х Х N/A G116 7 Х N/A G117 8 Х N/A G118 9 Х N/A G119 10 Х ΝA G120 11 Х N/A G125 12 Х N/A G128 13 10/2/20 1328 Х N/A G130 14 Х N/A 10/2/24 1252 G133 15 N/A Х G136 2124 1158 16 TIME SAMPLE CONDITIONS TIME ACCEPTED BY / AFFILIATION DATE RELINQUISHED BY / AFFILIATION DATE ADDITIONAL COMMENTS 10-3 ٠..... **NEW-24Q4 Rev 0** COOK SAMPLER NAME AND SIGNATURE Temp in °C Samples Intact (Y/N) Received or Ice (Y/N) Custody alad Cools (Y/N) PRINT Name of SAMPLER: racul arrel **DATE Signed** 

SIGNATURE of SAMPLER!

# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORTS ALD COLUMN TO THE PORT OF THE

CHAIN-OF-CUSTODY / Analytical Request Document

NEW-257-501

DRINKING WATER

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section C Section B 6 Æ, Dέ Section A Page: Required Project Information: lovoice information: Required Client Information: Attention: Brian Voelker Report To: Brian Voeiker Company: Vistra Corp-Newton REGULATORY AGENCY Company Name: Vistra Corp Copy To: Terry Hanratty - Terry, Hanratty@vistracorp.com Address: 6725 N. 500th St

Address:

see Section A **NPDES GROUND WATER** Newton, IL 62448 Purchase Order No.: Ounte UST RCRA OTHER Email To: Brian Voelker@VistraCoro.com Reference Project Name: Site Location Phone: (217) 753-8911 Monager: 11 Project Number: Profile #: STATE: 10 day Requested Due Date/TAT: Requested Analysis Filtered (Y/N) Ra226/228, only ZZ Valid Matrix Codes (see valid codes to left) Section D C-COMP) Preservatives COLLECTED MATRIX CODE Required Client Information DRINKINGWATER DW WASTE WATER Residual Chlorine (Y/N) (G=GRAB ODMC11CT SOLISOLID SL OL WP AR OT VEW-NPDES-501 # OF CONTAINERS Analysis Test **GIL** SAMPLE ID WIPE VEW-SUP-000 SAMPLE TEMP AT VEW-257-501 **JEW-811-502** VEW-811-503 VEW-845-501 VEW-NE-501 AJP MATRIX CODE Unpreserved H<sub>2</sub>SO<sub>4</sub> HNO<sub>3</sub> (A-Z, 0-9/,-) On-€R SAMPLE TYPE Sample IDs MUST BE UNIQUE Methanol Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> HCI NaOH ITEM# Project No./ Lab I.D. DATE TIME Х N/A 7)14 G139 10/24/24 1 Х N/A G141 2 N/A Х G217S 3 1715 Х NA 10-3-24 G221 4 Х NA G225 5 0904 Х N/A 10-3-14 G230 6 Х N/A G231 7 0935 Х N/A 10-2-14 G232 8 1956 N/A Х G233 9 Х N/A b lollo G234 10 Х N/A L1R 11 Х N/A L201 12 Х N/A L202 13 Х N/A L203 14 Х N/A L204 15 Х N/A L205 16 SAMPLE CONDITIONS ACCEPTED BY / AFFILIATION DATE TIME TIME ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE 1600 70-3 ... "2" C Dari **NEW-24Q4 Rev 0** SAMPLER NAME AND SIGNATURE Samples Intact (Y/N)

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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTOR OF STATE OF STA The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

NEW-257-50 Section C Section A Section B 6 Required Client Information: Required Project Information: Invoice information: Attention: Company: Vistra Corp-Newton Report To: Brian Voelker Brian Voelker REGULATORY AGENCY Company Name: Vistra Corp Copy To: Terry Hanratty - Terry, Hanratty@vistracorp.com Address: 6725 N. 500th St **GROUND WATER** DRINKING WATER see Section A NPDES Address: Newton, IL 62448 Quote OTHER Purchase Order No.: UST RCRA Brian.Voelker@VistraCorp.com Email To: Site Location roject Project Name: Phone: (217) 753-8911 Ł Project Number: Profile #: STATE: Requested Due Date/TAT: 10 day Requested Analysis Filtered (Y/N) Ra226/228, only Section D Valid Matrix Codes SAMPLE TEMP AT COLLECTION COLLECTED Preservatives lequired Client Information MATRIX CODE (see vaid c DW (G=GRAB DRINKINGWATER WATER NEW-NPDES-501 WASTE WATER # OF CONTAINERS Analysis Test PRODUCT VEW-SUP-000 SOLUSOUD NEW-811-503 VEW-811-502 SAMPLE ID MATRIX CODE NEW-NE 501 -(A-Z-0-9/--)-NEW-257-AR OT TS NaOH Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> Methanol Residual Sample IDs MUST BE UNIQUE OTHER H<sub>2</sub>SO<sub>4</sub> TEM # Project No./ Lab I.D. DATE TIME 24091273-028 X XXX Equipment Blank 1 WT G 1 XXX XXX 24091273-029 Х Equipment Blank 2 WT G 2 2 XXXXXXX 24091273-030 2 2 Wī .G Equipment Blank 3 3 4 5 6 7 8 9 10 11 12 13 14 16 16 SAMPLE CONDITIONS ACCEPTED BY / AFFILIATION DATE TIME TIME RELINQUISHED BY / AFFILIATION DATE ADDITIONAL COMMENTS z NEW-24Q4 Rev 0 10-3 emp in °C SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SIGNATURE of SAMPLER: (MM/DD/YY):

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORTS

CHAIN-OF-CUSTODY / Analytical Request Document

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Company		Report To: E						ention:		Brian	Voe	elker																	
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Address:	6725 N. 500th St	Copy To: Te	erry Ha	anratty - Ten	y.Hanratty	y@vistracor	p.com		Compa	ny Nam	ie: V	istra	Corp				•			******			REG	ULAT	ORY	AGENC	Y		
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### APPENDIX A.

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE AND CHAIN-OF-CUSTODY / Analytical Request Document NEWTON POWER PLANS ASSESSED.

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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE OF A PROCESSION OF CHAIN-OF-CUSTODY / Analytical Request Document

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Compan	Vistra Corp-Newton	Report To:	Bria	n Voi	elker				ttention		Brian '	√oelk	er											J.,,,,,		*****	***************************************	
Address:	6725 N. 500th St	Сору То:	Tern	/ Han	ratty - Terry Hanratt	y@vistracorr	com.	c	ompan	y Name	: Vi:	stra C	orp					┪			*****	R	EGUL	ATO	RY AC	ENCY		
<b></b>	Newton, IL 62448							Ā	ddress	: ;	see Se	ection	Α					T	NF	DES		GRO	UND V	VATE	₹	DRINKI	NG WATER	₹
Email To	Brian Voelker@VistraCorp.com	Purchase (	Order I	No.:					uote									$\dashv$	U	ST		RCR	Α		0	THER		
Phone:	(217) 753-8911 Fax:	Project Na	me;					P	eferenci roject	3:								┪	Si	te Loc	ation					***************************************	<del>*************************************</del>	
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# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE AND CHAIN-OF-CUSTODY / Analytical Request Document NEWTON POWER PLANT TRUMPY SEE THE PROPERTY OF

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

NEW-257-501

Section Require	i A d Client Information;	Section B Required P		Infori	mation:	•			tion ice In	C forma	tion:							·								ſ	Pa	ige:	5	of	6
Compan	Vistra Corp-Newton	Report To:	Briar	ı Vo	elker			Atter	ntion:		Brian	Vo	elker													6	***************************************		######################################	**************************************	
Address	6725 N. 500th St	Сору То:	Terry	Han	ratty - Terry.Hanratty	y@vistracorp.com		Com	рапу	Nam	e: \	/istr	a Co	rp								- Carlotte	*****	F	EGU	LAT	ORY	/ AG	ENCY		
	Newton, IL 62448							Addr	ess:		see S	Sect	tion A	`							VPDE	S		GRO	UND	WAT	ER	********	DRINKI	NG WATER	R
Email To	Brian Voelker@VistraCorp.com	Purchase O	order N	lo.:				Quoti	e rence:												UST			RCR	Α			OT	HER		3
Phone:	(217) 753-8911 Fax:	Project Nam	ne:			·		Proje Mana	ct											Г	Site L	ocat	tion		************	-	**********	Т	<del></del>	/	
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CHAIN-OF-CUSTODY / Analytical Request Document

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Temp in °

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. NEWTON POWER PLANZ\_PRIMARY ABUZDAND NEW-257-501 Section A Section B Section C 6 Required Client Information: Required Project Information: Invoice information: Company: Report To: Brian Voelker Attention: Brian Voelker Vistra Corp-Newton Address: REGULATORY AGENCY 6725 N. 500th St Copy To: Terry Hanratty - Terry, Hanratty@vistracorp.com Company Name: Vistra Corp Address: Newton, IL 62448 see Section A GROUND WATER **NPDES** DRINKING WATER Email To: Purchase Order No.: Quote Brian.Voelker@VistraCorp.com UST OTHER **RCRA** Coferen Project Phone: (217) 753-8911 Fax Project Name: Site Location {L rofile # Requested Due Date/TAT: Project Number: 10 day STATE: Requested Analysis Filtered (Y/N) Ra226/228, only Section D Valid Matrix Codes SAMPLE TEMP AT COLLECTION COLLECTED Required Client Information MATRIX CODE Preservatives DRINKING WATER Residual Chlorine (Y/N WT WATER WASTE WATER VEW-NPDES-501 see # OF CONTAINERS PRODUCT VEW-SUP-000 SOLUSOLID SL OL, WP AR OT TS VEW-811-503 VEW-811-502 SAMPLE ID NEW-257-501 VEW-845-501 NEW-NE-501 MATRIX CODE αı. WIPE (A-Z, 0-97,-) Sample IDs MUST BE UNIQUE OTHER TEM Project No./ Lab I.D. DATE TIME 24091273-028 Х Equipment Blank 1 WT G 2 Х 1 ХХ X X X X X Equipment Blank 2 WT G 2 2 24091273-029 2 XXXXXX 24091273-030 Equipment Blank 3 WT .G 2 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 TIME SAMPLE CONDITIONS ACCEPTED BY / AFFILIATION DATE ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME **NEW-24Q4 Rev 0** z

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SAMPLER NAME AND SIGNATURE

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# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE CHAIN-OF-CUSTODY / Analytical Request Document NEWTON POWER PLANT.

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Address:	6725 N. 500th St	<u></u>			ratty - Terry.Hanratt	y@vistraco	rp.com	$\dashv$	Comp	any Na	ame:	Vist	ra Co	oro							-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	**************************************	PF(	2111 A	TOP	V AG	ENCY	and the second second	Wasta variable statements
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Phone:	(217) 753-8911 Fax:	Project Nam	ne;						Refere Project											*******	STREET, US			NAIMMEN NAIMMEN	MINGERIO		- O1	. UEL	***************************************	
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NEW-257-501

# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE

# CHAIN-OF-CUSTODY / Analytical Request Document

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

Section C Section B Section A 2 6 Page: Required Client Information: Required Project Information: invoice Information: Attention: Company: Report To: Brian Voelker Brian Voelker Vistra Corp-Newton Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com Address: 6725 N. 500th St Company Name: Vistra Corp REGULATORY AGENCY Address: Newton, IL 62448 see Section A NPDES **GROUND WATER** DRINKING WATER

Email To: Brian.Voelker@VistraCorp.com Purchase Order No.: Quote UST RCRA OTHER Reference: Project Name: roject Phone: (217) 753-8911 Site Location Manager:

IL Project Number: rofile #: 10 day STATE: Requested Due Date/TAT:

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Joeki Breis 10/8/24

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# ANNUAL GROUNDWATER MONITORING AND CORRECTIVE A CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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**CHAIN-OF-CUSTODY / Analytical Request Document** 

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NEWTON POWER PLANT AT The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section B Section C Section A 6 Required Client Information: Required Project Information: Invoice Information: Attention: Report To: Brian Voelker Brian Voelker Company: Vistra Coro-Newton REGULATORY AGENCY Address: 6725 N. 500th St Copy To: Terry Hanratty - Terry. Hanratty@vistracorp.com Company Name: Vistra Corp Address: see Section A Newton, IL 62448 GROUND WATER DRINKING WATER **NPDES** Brian.Voelker@VistraCorp.com Quote Email To: Purchase Order No.: UST RCRA OTHER Rainser Project Project Name: Site Location Phone: (217) 753-8911 ŧL Project Number: Profile #: Requested Due Date/TAT: 10 day STATE: Requested Analysis Filtered (Y/N) Ra226/228, only Valid Matrix Codes Section D COLLECTED Preservatives Required Client Information MATRIX CODE (see valid DRINKING WATER DW Residual Chlorine (Y/N (G=GRAB WT WATER WASTE WATER Other Analysis Test VEW-NPDES-501 # OF CONTAINERS PRODUCT VEW-SUP-000 SOLUSOUD VEW-811-503 501 VEW-811-502 SAMPLE ID VEW-845-501 MATRIX CODE SAMPLE TYPE ( NEW-NE-501 OIL WIPE QL WP -(A-Z<sub>-</sub>D-9/<sub>-</sub>-)-NEW-257-HCI NaOH Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> Methanol Sample IDs MUST BE UNIQUE H<sub>2</sub>SO<sub>4</sub> ¥ E E Project No./ Lab/LD. DATE TIME 24091273-028 Equipment Blank 1 Wī 2 2 X 1 G 2 X XXXXX 24091273-029 Equipment Blank 2 10.8.24 2 2 WT G 1250 2 X XXXXX 24091273-030 Equipment Blank 3 WT .G 2 3 4 5 6 7 8 9 18 11 12 13 14 15 16 SAMPLE CONDITIONS ACCEPTED BY / AFFILIATION DATE TIME RELINQUISHED BY / AFFILIATION DATE TIME ADDITIONAL COMMENTS 10-8 1500 NEW-24Q4 Rev 0 SAMPLER NAME AND SIGNATURE Received on Ice (Y/N)
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# **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



## **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**

11/6/2024 4:23:07 PM

Authorized for release by Erika Jordan, Project Manager erika.jordan@et.eurofinsus.com (314)298-8566

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, ABRIMANNY JOSEH IP ON CO. 55782-1 NEW-25050124091273

Client: TekLab, Inc Project/Site: Radium-226 and Radium-228

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Project: Radium-226 and Radium-228

Job ID: 160-55782-1 Eurofins St. Louis

### **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)

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11/6/2024

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Client: TekLab, Inc
Project: Radium-226 and Radium-228

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### 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.

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SubCocRevA 3/2/2016

1 of 3	(618) 344-1005	Preserved in:	QC Level: 2	Please Issue reports and invoices via email only readium 226/228 per methods specified for Vistra/Ramboll projects	Samples collected from an IL site.	d. Vistra-EDD requested.											160-55782 Chain of Custody					Doto/Timo	16 10 12 15 15
Pg FEKLAB, INC. Chain of Custody	ake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005	☐ Blue Ice	Sampler: Teklab, Inc.	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.	Batch QC is required for all analyses requested. Vistra-EDD requested	Phone: (618) 344-1004 ext. 33		ch on the final report. and/or analytes. or any	Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Received By	Juna Worthugton
KLAB, IN	Collinsville, IL	h.				EHurley@TekLablnc.com			ocumented as suc quested method a r is suspended fo mediately.	Preservative	HNO3	HNO3	HN03	HNO3	HNO3	HN03	HNO3	HNO3	HNO3	HNO3	HNO3	Rece	
ΤĒ		With	Cooler Temp.			Email: EHurley(	Billing/PO: 37086		analytes and must be do accreditation for the rec ory loses accreditation o must contact Teklab imi	Sample Date/Time	10/2/24 1049	10/7/24 1123	10/7/23 1223	10/2/24 1146	10/2/24 1218	10/8/24 0933	10/8/24 1005	10/2/24 0935	10/8/24 1151	10/1/24 1158	10/1/24 1025	Date/Time	
	5445 Horseshoe	ed? YES NO	200	4	24091273	Elizabeth Hurley	RUSH TAT		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.	Sample ID	24091273-001	24091273-002	24091273-003	24091273-004	24091273-005	24091273-006	24091273-007	24091273-008	24091273-009	24091273-010	24091273-011		S18 8-3
		Are the samples chilled?	Teklab Inc 5445 Horseshoe I ake Bood	Collinsville, IL 62234	Project#	Contact:	Requested Due Date: RUSH TAT	PLEASE NOTE	NELAP accreditation is If your laboratory does in please contact Teklab in analyte/method during the properties of the p	Lab Use												*Relinquished By	STONE CO.

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights, Teklab. Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2. Section 4.1.5 c)

Teklab 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)

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act Elizabeth Hurley    Email:   Email:   Email:   EHurley@Tektablnc.com	Teklab Inc	7 0 0 0	Cooler Temp:		npler: Teklab, Inc.		
act: Elizabeth Hurley   Parish	Collinsville, IL 62:	234			Comments: Please Issue rep	oorts and invoices via email only	
Email: Elizabeth Hurley   Email: Eluritey@TekLablnc.com   Batch QC is required for all analyses requested RUSHTAT   Billing/PO: 37086   Phone: (618) 344-1004 ext. 33	Project#	24091273			Method changes require Teklab autho	er memous specified for Vistra/Ramboll projects.  prization. Samples collected from an IL site.	
act. Elizabeth Hurley  RUSH TAT  Billing/PO: 37086  on is required on the requested analytes and must be documented as such cloes not currently hold a NELAP accreditation for the requested method and/dab immediately. If your laboratory loses accreditation or is suspended for arring the life of the contract. you must contact Teklab immediately.  Sample ID Sample Date/Time Preservative  24091273-013 10/1/24 1426 HNO3  24091273-015 10/1/24 1426 HNO3  24091273-015 10/1/24 1018 HNO3  24091273-016 10/2/24 1018 HNO3  24091273-019 10/2/24 1018 HNO3  24091273-020 10/2/24 1121 HNO3  24091273-021 10/2/24 1154 HNO3  24091273-022 10/2/24 1154 HNO3  24091273-022 10/2/24 1154 HNO3  24091273-022 10/2/24 1154 HNO3  24091273-022 10/2/24 1154 HNO3					Batch QC is required for all analyses r	requested. Vistra-EDD requested.	
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24091273-012       10/1/24 1103       HNO3       Groundwater       V         24091273-013       10/1/24 1247       HNO3       Groundwater       V         24091273-014       10/1/24 1333       HNO3       Groundwater       V         24091273-015       10/1/24 1426       HNO3       Groundwater       V         24091273-016       10/2/24 0905       HNO3       Groundwater       V         24091273-018       10/2/24 1121       HNO3       Groundwater       V         24091273-019       10/2/24 1134       HNO3       Groundwater       V         24091273-021       10/2/24 1154       HNO3       Groundwater       V         24091273-022       10/2/24 1154       HNO3       Groundwater       V         24091273-022       10/2/24 1154       HNO3       Groundwater       V         24091273-022       10/2/24 1154       HNO3       Groundwater       V         24091273-022       10/2/24 1154       HNO3       Groundwater       V         24091273-022       10/2/24 1154       HNO3       Groundwater       V	Lab Use	Sample ID	Sample Date/Time	Preservative			
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 1018       HNO3       Groundwater       ✓         24091273-019       10/2/24 1121       HNO3       Groundwater       ✓         24091273-019       10/2/24 11347       HNO3       Groundwater       ✓         24091273-021       10/2/24 1248       HNO3       Groundwater       ✓         24091273-022       10/2/24 1154       HNO3       Groundwater       ✓         24091273-022       10/2/24 1154       HNO3       Groundwater       ✓         24091273-022       10/2/24 1154       HNO3       Groundwater       ✓         24091273-022       10/2/24 1154       HNO3       Groundwater       ✓         24091273-022       10/2/24 1154       HNO3       Groundwater       ✓		24091273-012	10/1/24 1103	HN03	Groundwater		
24091273-014       10/1/24 1333       HNO3       Groundwater       ✓         24091273-015       10/1/24 1426       HNO3       Groundwater       ✓         24091273-016       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 1154       HNO3       Groundwater       ✓         24091273-022       10/2/24 1154       HNO3       Groundwater       ✓         AROS & S. S. S. S. S. S. S. S. S. S. S. S. S.		24091273-013	10/1/24 1247	HN03	Groundwater		
24091273-016 10/2/24 1926 HNO3 Groundwater		24091273-014	10/1/24 1333	HNO3	Groundwater		
24091273-016       10/2/24 0905       HNO3       Groundwater       Image: Condition of the c		24091273-015	10/1/24 1426	HN03	Groundwater		I
24091273-017       10/2/24 1018       HNO3       Groundwater       ✓         24091273-018       10/2/24 1121       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       ✓         24091273-022       10/2/24 1154       HNO3       Groundwater       ✓         ACOR & S. C. Det A. C. Date/Time       Received By       Auman United Control		24091273-016	10/2/24 0905	HNO3	Groundwater		
24091273-018       10/7/24 1121       HNO3       Groundwater       Image: Conformal conformater         24091273-019       10/7/24 1035       HNO3       Groundwater       Image: Conformal conformater         24091273-021       10/2/24 1248       HNO3       Groundwater       Image: Conformal conformater         24091273-022       10/2/24 1154       HNO3       Groundwater       Image: Conformal conform		24091273-017	10/2/24 1018	HNO3	Groundwater		L
24091273-019   10/7/24 1035   HNO3   Groundwater   10/2/24 1347   HNO3   Groundwater   10/2/24 1248   HNO3   Groundwater   10/2/24 1248   HNO3   Groundwater   10/2/24 1154   HNO3		24091273-018	10/2/24 1121	HNO3	Groundwater		
24091273-020   10/2/24 1347   HNO3   Groundwater   10/2/24 1248   HNO3   Groundwater   10/2/24 1154   HNO3   Groundwater   10/2/24   HNO3   Groundwater   10/2/24   HNO3   Groundwater   10/2/24   HNO3		24091273-019	10/7/24 1035	HNO3	Groundwater		
24091273-021   10/2/24 1248   HNO3   Groundwater   10/2/24 1154   HNO3   HN		24091273-020	10/2/24 1347	HN03	Groundwater		
24091273-022   10/2/24 1154   HNO3   Groundwater   V		24091273-021	10/2/24 1248	HN03	Groundwater		
ALOGRED Date/Time Received By Juna WOllington		24091273-022	10/2/24 1154	HNO3	Groundwater		
260, 8 60 10/16/24 1315 Suna Wordington	*Relinquished By		Date/Time	Receiv	Pd By	Dodo (Time o	
	7	d	H	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	3		

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*Relinquished By Date/Time Received By Date/Time Date/Date/Date/Date/Date/Date/Date/Date/	FKILAB, INC. Chain of	ples chilled? YES No shoe Lake Road  IL 62234  Contact: Elizabeth Hurley Use Date: RUSH TAT ditation is required on the requested a tory does not currently hold a NELAP XI Teklab immediately if your laborato and during the life of the contract, your as Sample ID  24091273-026  24091273-026  24091273-026  24091273-026  24091273-026  24091273-029	Email: EF Soler Cooler Cooler Silling/PO: 37 Silling/PO: 47 Sillin	TEKLAB, INC. Chain of Custody  OE Lake Road, Collinsville, IL 62234 Phone (618) 344-1  With: Ice I Blue Ice  Comments: Please Issue Please analyze for Radium 226/22  Method changes require Teklab analyse  Email: EHurley@TekLabinc.com Billing/PO: 37086  Billing/PO: 37086  Billing/PO: Groundwater Preservative Matrix  M	Sample Com Bas such on thod and/or thod and/or any wative Green Green Green Aque Green Gre	Comments:    E2234 Phone	uthoriz	Preserved in:  QC Level:  QC Level:  ation. Samples collect uested. Vistra-EDD re  xt. 33  Xt. 33	ac Level: 2  ac Level: 2  d invoices via email only ls specified for Vistra/Ramboll pro Samples collected from an IL site  Vistra-EDD requested.	Field Is a site.	
Juna Workington 1815 Juna Workington 16116124 131	*Relinquished By		Date/Time		Gre	oundwater Pts					
	19x10-1,01.20		H2)01/01	518		Stevna	Jodhington			1315	

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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)

Client: TekLab, Inc Job Number: 160-55782-1 SDG Number: 24091273

Login Number: 55782 List Source: Eurofins St. Louis

List Number: 1

Creator: Worthington, Sierra M

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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	
s 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 <a href="fig86">66mm (1/4").</a>	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

11/6/2024

# DETINITIONS POTTS SANTORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND

Client: TekLab, Inc NEO/0-15782-1 Project/Site: Radium-226 and Radium-228 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 m	ay or may not be	present in this report.
Appreviation	These commonly	i useu abbievialions in	ay or may not be	present in this report

<del>\</del> 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** 

Detection Limit (DoD/DOE) DΙ

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

**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 MLMinimum Level (Dioxin) Most Probable Number MPN MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

Negative / Absent NEG POS Positive / Present

PQL **Practical Quantitation Limit** 

**PRES** Presumptive QC **Quality Control** 

Relative Error Ratio (Radiochemistry) RER

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) Toxicity Equivalent Quotient (Dioxin) **TEQ** 

**TNTC** Too Numerous To Count

Eurofins St. Louis

11/6/2024

APPENDIX A.

AMETHOR SOUTH AND CORRECTIVE ACTION REPORT
NEWTON POWER PLANT, PRIMARY ASH POND
NEW 10-160-55782-1

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

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

# APPENDIX A. ASSAM PRO SOUTH RAPPENDIX AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW 10-160-55782-1

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

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

Project/Site: Radium-226 and Radium-228

Client Sample ID: 24091273-001

Date Collected: 10/02/24 10:49

Date Received: 10/10/24 13:15

SDG: 24091273

Lab Sample ID: 160-55782-1

**Matrix: Water** 

	D = -11 000 (OFDO)
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Wethod: EPA 90.	o.o - Radiaiii	220 (011	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Ba Carrier	<b>%Yield</b> 87.1	Qualifier	20 - 110					<b>Prepared</b> 10/14/24 08:44	Analyzed 11/05/24 07:45	Dil Fac

Analida	Parault.	Occall Com	Count Uncert.	Total Uncert.	ъ.	1100	1124	<b>D</b> an and d	A seek seed	D'! E
Analyte	Result	Qualifier	(2σ+/-)	(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. IAL-SIL N	.a220_Na2	220 FUS -	Combined	Naululli-22	o allu ixa	iuiuiii-2	20			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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: EDA 904.0 - Padium-228 (GEDC)

Welliou. EPA 30	74.0 - Kaululli	-220 (GFF	<b>U</b> )							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Method: IAL-OTE	Varro_ivar	LEU I U3 -	Combined	Madiaiii-22	o and ite	ididiii-22	-0				
			Count	Total							
			Uncert.	Uncert.							
Analyte	Result	Qualifier	(2σ+/-)	(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	

NEW - 267-960 - 55782-1 SDG: 24091273

Project/Site: Radium-226 and Radium-228

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 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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		Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110					10/14/24 08:44	11/05/24 07:50	1

			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra2	228 Pos -	Combined	Radium-2	226 and F	Radium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 90	3.0 - Radium	-226 (GFP	C)							
		·	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 ID: 24091273-005

Date Collected: 10/02/24 12:18

Date Received: 10/10/24 13:15

Project/Site: Radium-226 and Radium-228

SDG: 24091273

Lab Sample ID: 160-55782-5

**Matrix: Water** 

_			
Method: EP	A 903.0 ·	- Radium-226	(GFPC)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

	<b></b> : \u.									
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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)

metriod: El A ou	olo itaalah	220 (0. 1	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 90	74.0 - Kadium	-220 (GFP	<b>(</b> )							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Mothod: TAL STI	Dagge Dag	22 Doc Com	hinad Dadium	-226 and Radium-228
WELLIOU. IAL-OIL	- NAZZO NAZ	ZO PUS - GUIII	umeu Kaumii	·zzo anu Kaunum-zzo

Method. IAL-STEIN	azzu_i\az	LZU I US -	Combined	Madiuiii-22	Lo and ix	aululli-Z	20			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

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:	<b>EPA</b>	903.0	- Radium-226	(GFPC)

			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Total

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Count

Method: TAE-51E Na225 Na225 1 05 - Combined Nadidin-225 and Nadidin-225										
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.89		0.742	0.752	5.00	1.02	pCi/L	<u> </u>	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)

metriod. El A ou	olo Radialli	220 (0. 1	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Wethod: EPA 904.0	) - Kaululli	-220 (GFP	<b>U</b> )							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Mothod: TAL STI	Darrie Darrie Dac	<ul> <li>Combined Radium-2</li> </ul>	26 and Dadium 220
MEHIOU. IAL-SIL	- NAZZO NAZZO FUS	- Compiled Radium-2	ZO ANU KAUNUNI-ZZO

Method. IAL-SIL N	.azzu_naz	220 FUS -	Combined	Naululli-24	Lu anu ix	aululli-220	•			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC U	nit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.650		0.365	0.368	5.00	0.575 pC	Ci/L		11/06/24 15:44	1

Project/Site: Radium-226 and Radium-228

SDG: 24091273

Client Sample ID: 24091273-009 Lab Sample ID: 160-55782-9

**Matrix: Water** 

Date Collected: 10/08/24 11:51 Date Received: 10/10/24 13:15

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	Ra226_Ra	228 Pos -	Combined	Radium-2	26 and F	Radium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-55782-10 Date Collected: 10/01/24 11:58 **Matrix: Water** Date Received: 10/10/24 13:15

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
	_ "	o 115	Count Uncert.	Total Uncert.						<b>5.1. -</b>
Analyte	Result	Qualifier	(2σ+/-)	(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

	4.0 - Radium	•	Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 F	Ra226_Ra2	228 Pos -	Combined	Radium-22	26 and Ra	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

SDG: 24091273

Lab Sample ID: 160-55782-11

**Matrix: Water** 

Client Sample ID: 24091273-011

Date Collected: 10/01/24 10:25 Date Received: 10/10/24 13:15

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.619		0.359	0.361	5.00	0.549	pCi/L	<u> </u>	11/06/24 15:44	1

Client Sample ID: 24091273-012 Lab Sample ID: 160-55782-12 Date Collected: 10/01/24 11:03 **Matrix: Water** Date Received: 10/10/24 13:15

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
		·	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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_Ra	228 Pos -	Combined	Radium-2	226 and F	Radium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 2	28 0.194	U	0.399	0.399	5.00	0.698	pCi/L		11/06/24 15:44	1

Project/Site: Radium-226 and Radium-228

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** 

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.755	UG	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. IAL-SILI	\a_Z_U_I\a_	220 FUS -	Combined	Naululli-24	20 anu N	aululli-2	20			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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)

Method: El A 300		(0	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Wethod: EPA 904.0	) - Radium	-228 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Mothod: TAL STI	Dagge Dag	22 Doc Com	hinad Dadium	-226 and Radium-228
WELLIOU. IAL-OIL	- NAZZO NAZ	ZO PUS - GUIII	umeu Kaumii	·zzo anu Kaunum-zzo

Method. IAL-SIL N	.azzu_ \az	220 FUS -	Combined	Naululli-22	to allu ixa	aululli-2	20			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

SDG: 24091273

Project/Site: Radium-226 and Radium-228

Client Sample ID: 24091273-015 Lab Sample ID: 160-55782-15 Date Collected: 10/01/24 14:26

**Matrix: Water** 

Date Received: 10/10/24 13:15

		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Ba Carrier	% <b>Yield</b> 75.2	Qualifier	<b>Limits</b> 30 - 110					<b>Prepared</b> 10/14/24 08:32	Analyzed 11/05/24 09:29	Dil Fac

# Method: EPA 904.0 - Radium-228 (GEPC)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

	_		Count	Total					
			Uncert.	Uncert.					
Analyte	Result	Qualifier	(2σ+/-)	(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

Lab Sample ID: 160-55782-16 Date Collected: 10/02/24 09:05 **Matrix: Water** Date Received: 10/10/24 13:15

Method: EPA 903.0 - Radium-226 (GFF	C)
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metriod. El A ou	olo Radialli	220 (0. 1	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 90	74.0 - Kaululli	-220 (GFP	<b>(</b> )							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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	
	_クク요

Method. IAL-STER	azzu_i\a	220 1 03 -	Combined	Naululli-22	.o and ite	lululli-220			
			Count	Total					
			Uncert.	Uncert.					
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.25		0.589	0.595	5.00	0.878 pCi/L	<del></del> -	11/06/24 15:44	1

Project/Site: Radium-226 and Radium-228

SDG: 24091273

Lab Sample ID: 160-55782-17 Client Sample ID: 24091273-017

**Matrix: Water** 

Date Collected: 10/02/24 10:18

Date Received: 10/10/24 13:15

Method: EPA 903.0	) - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	Ra226_Ra	228 Pos -	Combined	Radium-2	226 and F	Radium-2	28			
				Count	Total						
				Uncert.	Uncert.						
4	Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
ļi	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 Lab Sample ID: 160-55782-18 Date Collected: 10/02/24 11:21 **Matrix: Water** Date Received: 10/10/24 13:15

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
		·	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 90	4.0 - Radium	-228 (GFP	<b>C</b> )							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

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)

			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Total

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte Radium-228	Result 0.920	Qualifier	Count Uncert. (2σ+/-) 0.517	Total Uncert. (2σ+/-) 0.524	RL 1.00	MDC 0.721	 Prepared 10/14/24 08:36	Analyzed 10/28/24 12:22	Dil Fac
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

Count

Method. IAL-STER	azzu_i\az	220103-	Combined	Madiuiii-22	Lo alla ixe	aululli-2	20			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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)

Method: El A 300	.o - Radiaiii	220 (3) 1	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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:	FΡΔ	904 0 -	Radium-228	(GEPC)
Metilou.		304.0 -	Naululli-220	IGI FCI

method. Li A ou	7.0 - Kaalalli	220 (0	<b>∪</b> ,							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.551	UG	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: TΔI -STI F	Ra226 Ra228 Pos -	Combined Radium-22	% and Radium-228

Method. IAL-STEIN	.azzu_i\az	<b>LZ</b> U I U3 -	Combined	Maululli-Z	ZU allu ix	aululli-2	20			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

SDG: 24091273

Lab Sample ID: 160-55782-21 Client Sample ID: 24091273-021

**Matrix: Water** 

Date Collected: 10/02/24 12:48 Date Received: 10/10/24 13:15

	3.0 - Radium	•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	26 and R	Radium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-55782-22 Date Collected: 10/02/24 11:54 **Matrix: Water** Date Received: 10/10/24 13:15

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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	0 - Radium	-228 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 I	Ra226_Ra2	228 Pos -	Combined	Radium-2	26 and R	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

SDG: 24091273

Lab Sample ID: 160-55782-23 **Client Sample ID: 24091273-023** 

**Matrix: Water** 

Date Collected: 10/02/24 10:31

Date Received: 10/10/24 13:15

Method: EPA 903	3.0 - Radium	-226 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-2	226 and F	Radium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-55782-24 Date Collected: 10/02/24 09:38 **Matrix: Water** Date Received: 10/10/24 13:15

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra	228 Pos -	Combined	Radium-22	26 and Ra	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Project/Site: Radium-226 and Radium-228

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 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 90	)4.0 - Radium	-228 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 R	a226_Ra2	228 Pos -	Combined	Radium-2	226 and F	adium-2	28			
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 Lab Sample ID: 160-55782-26 Date Collected: 10/02/24 10:49 **Matrix: Water** Date Received: 10/10/24 13:15

Method: EPA 90	3.0 - Radium	-226 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

		-228 (GFP	Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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											
			Count	Total							
			Uncert.	Uncert.							
Analyte	Result	Qualifier	(2σ+/-)	(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	

Project/Site: Radium-226 and Radium-228

NEW - 107-160-55782-1 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 90	3.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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	

Method: EPA 904.0 - Radium-228 (GFPC) Total Count Uncert. Uncert. Analyte Result Qualifier  $(2\sigma + / -)$ RL**MDC** Unit Prepared Analyzed  $(2\sigma + / -)$ Dil Fac Radium-228 0.687 U 0.753 pCi/L 10/14/24 08:36 10/28/24 12:25 0.492 0.496 1.00 Carrier **%Yield Qualifier** Limits Prepared Analyzed Dil Fac Ba Carrier 86.1 30 - 110 10/14/24 08:36 10/28/24 12:25 76.3 30 - 110 10/14/24 08:36 10/28/24 12:25 Y Carrier

Method: T	AL-STL Ra	a226_Ra2	228 Pos -	Combined	Radium-2	26 and Ra	adium-2	28			
				Count	Total						
				Uncert.	Uncert.						
Analyte		Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 a	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 Lab Sample ID: 160-55782-28 Date Collected: 10/08/24 12:50 **Matrix: Water** 

Date Received: 10/10/24 13:15

Method: EPA 903.	.0 - Radium	-226 (GFP	C)							
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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 90	4.0 - Radium	-228 (GFP	C)							
		•	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	oncert. (2σ+/-)	oncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.495		0.380	0.383	1.00		pCi/L	10/14/24 08:36		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											
			Count	Total							
			Uncert.	Uncert.							
Analyte	Result	Qualifier	(2σ+/-)	(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	

10

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

NEOND-1267-1660-55782-1

SDG: 24091273

# Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-683389/1-A

Lab Sample ID: LCS 160-683389/2-A

**Matrix: Water** 

**Matrix: Water** 

Analysis Batch: 686864

Analysis Batch: 686864

Client Sample ID: Method Blank

**Prep Type: Total/NA** 

**Prep Batch: 683389** 

MB MB Uncert. Uncert. Analyte Result Qualifier  $(2\sigma + / -)$  $(2\sigma + / -)$ 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

Total

Count

MB

Carrier %Yield Qualifier Limits Prepared Analyzed Dil Fac Ba Carrier 94.9 30 - 110 10/14/24 08:32 11/05/24 07:52

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

**Prep Batch: 683389** 

Total

LCS LCS %Rec **Spike** Uncert. Analyte Added Result Qual  $(2\sigma + / -)$ RL %Rec Limits MDC Unit Radium-226 9.58 8.968 0.973 1.00 0.126 pCi/L 94 75 - 125

LCS LCS Carrier %Yield 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** 

			Count	Total						
	MB	MB	Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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
	МВ	MB								

Dil Fac Carrier %Yield Qualifier Limits Prepared Analyzed 30 - 110 10/14/24 08:44 11/05/24 07:42 Ba Carrier 90.6

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** 

Total Spike LCS LCS Uncert. %Rec Analyte Added Result Qual  $(2\sigma + / -)$ RL **MDC** Unit %Rec Limits Radium-226 9.58 8.893 0.973 1.00 0.106 pCi/L 93 75 - 125

LCS LCS

Carrier %Yield Qualifier Limits Ba Carrier 90.9 30 - 110

Method: 904.0 - Radium-228 (GFPC)

0.4790 U

Lab Sample ID: MB 160-683390/1-A

**Matrix: Water** 

Radium-228

Analysis Batch: 685399

**Client Sample ID: Method Blank** 

10/14/24 08:36 10/28/24 12:21

Prep Type: Total/NA Prep Batch: 683390

Count Total MB MB Uncert. Uncert. Analyte Result Qualifier  $(2\sigma + / -)$  $(2\sigma + / -)$ RL **MDC** Unit Prepared Dil Fac Analyzed

1.00

0.554 pCi/L

Eurofins St. Louis

0.364

0.362

QUOUS APPHIENTES MINISTORING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND

Client: TekLab, Inc

Project/Site: Radium-226 and Radium-228

NEOND-207-960-55782-1 SDG: 24091273

# Method: 904.0 - Radium-228 (GFPC) (Continued)

	MB MB				
Carrier	%Yield Quali	fier 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

**Matrix: Water** 

Analysis Batch: 685399

Client Sample ID	: Lab	Contr	ol Sample	
	_	_		

**Prep Type: Total/NA** 

**Prep Batch: 683390** 

-				Total					
	Spike	LCS	LCS	Uncert.				%Rec	
Analyte	Added	Result	Qual	(2σ+/-)	RL	MDC Unit	%Rec	Limits	
Radium-228	8.39	10.02		1.44	1.00	0.607 pCi/L	119	75 - 125	

LCS LCS Carrier %Yield Qualifier Limits Ba Carrier 86.6 30 - 110 Y Carrier 75.1 30 - 110

Lab Sample ID: MB 160-683398/1-A

**Matrix: Water** 

**Analysis Batch: 685958** 

Client Sample ID: Method Blank

**Prep Type: Total/NA** 

**Prep Batch: 683398** 

-	МВ	МВ	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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
	МВ	МВ								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 110					10/14/24 08:49	10/30/24 12:05	

30 - 110 Ba Carrier 90.6 10/14/24 08:49 10/30/24 12:05 86.4 30 - 110 10/14/24 08:49 10/30/24 12:05 Y Carrier

Lab Sample ID: LCS 160-683398/2-A

**Matrix: Water** 

Analysis Batch: 685958

**Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Prep Batch: 683398** 

,				Total					
	Spike	LCS	LCS	Uncert.				%Rec	
Analyte	Added	Result	Qual	(2σ+/-)	RL	MDC Unit	%Rec	Limits	
Radium-228	8.39	9.187		1.26	1.00	0.559 pCi/L	110	75 - 125	

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	90.9		30 - 110
Y Carrier	87.5		30 - 110

# APPENDIX A. QC ASSOCIATION SUMMED MONTOPING AND CORRECTIVE ACTION REPORT NEWTON POWER PLANT, PRIMARY ASH POND NEW 100-107-160-55782-1

Client: TekLab, Inc Project/Site: Radium-226 and Radium-228 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	

Eurofins St. Louis

11/6/2024

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Client: TekLab, Inc Project/Site: Radium-226 and Radium-228 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	

Project/Site: Radium-226 and Radium-228

SDG: 24091273

Method: 903.0 - Radium-226 (GFPC)

**Matrix: Water Prep Type: Total/NA** 

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       24091273-007       87.6         160-55782-7       24091273-007       87.6         160-55782-8       24091273-009       70.9         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         160-55782-18       24091273-018       83.5         160-55782-19       24091273-020       87.8         160-55782-20       24091273-021       78.7         160-55782-21       24091273-021       78.7         160-55782-22       24091273-023       78.0         160-55782-23       24091273-024       85.3         160-55782-24	(Acceptance Limits)
160-55782-1       24091273-001       87.1         160-55782-2       24091273-002       81.5         160-55782-3       24091273-004       81.0         160-55782-4       24091273-005       90.1         160-55782-5       24091273-006       80.8         160-55782-6       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         160-55782-19       24091273-019       73.2         160-55782-19       24091273-020       87.8         160-55782-20       24091273-021       78.7         160-55782-21       24091273-020       87.8         160-55782-23       24091273-023       78.0         160-55782-24	
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       24091273-009       70.9         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         160-55782-18       24091273-018       83.5         160-55782-19       24091273-020       87.8         160-55782-20       24091273-021       78.7         160-55782-21       24091273-021       78.7         160-55782-22       24091273-023       78.0         160-55782-23       24091273-023       78.0         160-55782-24	
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       24091273-010       87.6         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         160-55782-18       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       24091273-025       90.4         160-55782-26 <td< td=""><td></td></td<>	
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       24091273-024       85.3         160-55782-24       24091273-025       90.4         160-55782-26 <t< td=""><td></td></t<>	
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         160-55782-18       24091273-017       84.8         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         160-55782-28       <	
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       24091273-019       73.2         160-55782-19       24091273-020       87.8         160-55782-20       24091273-021       78.7         160-55782-21       24091273-022       79.0         160-55782-23       24091273-023       78.0         160-55782-24       24091273-024       85.3         160-55782-26       24091273-025       90.4         160-55782-26       24091273-026       90.9         160-55782-27       24091273-027       86.1         160-55782-28	
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       24091273-029       94.2	
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       24091273-025       90.4         160-55782-25       24091273-026       90.9         160-55782-27       24091273-029       94.2	
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       24091273-025       90.4         160-55782-25       24091273-026       90.9         160-55782-27       24091273-027       86.1         160-55782-28       24091273-029       94.2	
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	
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	
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	
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       24091273-027       86.1         160-55782-28       24091273-029       94.2	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
160-55782-26       24091273-026       90.9         160-55782-27       24091273-027       86.1         160-55782-28       24091273-029       94.2	
160-55782-27     24091273-027     86.1       160-55782-28     24091273-029     94.2	
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	

Method: 904.0 - Radium-228 (GFPC)

**Matrix: Water Prep Type: Total/NA** 

				Percent Yield (Acceptance Limits)
		Ва	Υ	
Lab Sample ID	Client Sample ID	(30-110)	(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	

SDG: 24091273

Method: 904.0 - Radium-228 (GFPC) (Continued)

Project/Site: Radium-226 and Radium-228

**Matrix: Water** Prep Type: Total/NA

				Percent Yield (Acceptance Limits)
		Ва	Υ	
Lab Sample ID	Client Sample ID	(30-110)	(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	
_CS 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	

Ba = Ba Carrier

Y = Y Carrier

Project Name	e:		NEW- 24Q4			Mon	itoring Point:	A2	13
<b>Project Locat</b>	ion:		Netwon, IL				Sample ID:	00	01
W.O. Numbe	er (s):		24091272				Date (s):	10/3,	/2024
Field Team N	<u>lembers</u>								
	Name:		Justin Colp		Affiliation:		TekLab, Inc.		•
	Name:		Danny Crump	)	Affiliation:		TekLab, Inc.		
Weather Con	nditions								
Temp:68					Wind Direction:	▼ N □ S	□ E □ EW	sw 🗆	NE NW
	Precipitation:	✓ None	Light	Heavy	Sky:	<b>✓</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations_								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prot	ective Casing	Х	
		ective Casing		Good			Well		Х
Ref	erence Mark/I	Identification		Yes					
Groundwate	r Level Measu	rements			Stati	c Water Level	: 18.60	feet below To	OC
	Date/Time M	easured:	10/3/2024	11:08		Total Depth	61.00	feet below To	OC
					V	Vater Column	42.40	feet	
Purging Activ	<u>rities</u>								
	Purged By:		JC			Purge Date	: 10/3	/2024	
Р	urge Method:	Bladde	r Pump	_	Well Diameter:	2"	_		
Pι				= 0.93 L x 3 Vol. =	2.79 L	*Based on Low	-Flow (3/8" disc	harge)	
		ge Volume (L):							
Physical	appearance of	purge water:	C	lear	Odor: None Color: none				
				Specific		Dissolved			
	Cumulative	Purge Rate	рН	Conductivity	_	Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)		(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
11:08	0.0	152			purge start		1	T	
11:17	1.4	$\downarrow$	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 Act	tivities								
	Sampled By:	J	С	S	ample Date/Time:	10/3/2024	11:41		
Sar	mple Method:	Low	Flow	Sa	ample Equipment:	Bladde	r Pump		
Sampl	e Parameters:	6.74	рН	1,949.00	Spec. Cond.	16.12	Temp	=	
	Field Filtered:	Yes	Filter Type:	In line disposa	ble				
	Water Level:	26.30	feet below To	OC	Drawdown:	7.70	feet		
Observations	s/Comments:	(i.e., equipment m	nalfunctions, cont	amination sources.	sampling difficulties; du	iplicate sample)			
	Field Meter:		-,		. 5	. 1-7			

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10/3/2024

Project Name			NEW- 24Q4 Netwon, IL		Monitoring Point: Sample ID:				A214 002	
W.O. Numbe	er (s):		24091272				Date (s):	10/8,	/2024	
Field Team N	<u>Name:</u> Name:		Brett Gilliha Tracy Carrol		Affiliation:		TekLab, Inc. TekLab, Inc.			
Weather Cor	nditions									
	Temp:	65	_°F		Wind Direction:	□ N □ S	□ E □ EW	✓ SW □	NE NW	
	Precipitation:	<b>▼</b> None	Light [	Heavy	Sky:	<b>✓</b> Clear	Partly Clo	oudy 🔲 Clo	oudy	
Well Observa	ations _									
		Well Pad		Good			Locks	Yes	No	
		Casing		Good		Prote	ective Casing	Х		
Ref	Prot /erence Mark	ective Casing		Good Yes			Well		Х	
	crence wany	identineation								
<u>Groundwate</u>	r Level Measu				Statio	c Water Level:		feet below T		
	Date/Time M	leasured:	10/8/2024	4 11:01	V	Total Depth: Vater Column:		feet below To	OC	
Purging Activ	<u>rities</u>									
	Purged By:		BG			Purge Date:	: 10/8,	/2024		
Р	urge Method:	Submersi	ible Pump	_	Well Diameter:	2"	_		•	
Pu	_			18 = 0.75 L x 3 Vol	. = 2.25 L	*Based on Low-	-Flow (3/8" disch	harge)		
		ge Volume (L):								
Physical	appearance of	purge water:		Clear	Odor: None Color: None			None		
				Specific		Dissolved				
Dunga Tima	Cumulative Purge Vol.(L)	Purge Rate	pH (S.L.)	Conductivity	Temp (°C)	Oxygen	ORP	Turbidity	Other	
11:02	0.0	(mL/m) 300	(S.U.)	(μS/cm)	purge start	(mg/L)	(mV)	(NTU)	Other	
11:10	2.7	. ↓ ↓	7.35	1,295.60	15.36	0.45	-149.30	342.65		
11:13	3.6	ľ	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		
		L			l.		L	L		
Sampling Act		_	-0	_	amanda Data /=	40/0/222	44.22			
Say	Sampled By:		Flow	_	ample Date/Time:	10/8/2024	ble Pump		=	
	mple Method: e Parameters:		pH		ample Equipment: _ Spec. Cond.	15.37	Temp	-		
•	Field Filtered:		<b>-</b> '	: In line disposa	· ·	13.37	- ' - ' - '			
	Water Level:		feet below T		Drawdown:	0.10	feet			
Observations	:/Comments:	li o oquinmont	alfunctions sant	tamination courses	sampling difficulties; du	nlicato campla)				
	Field Meter:		iaiiuiictions, con	tailillation sources,	sampling unitculties; du	plicate sample)				
•	i iciu ivictei.	70000								
		1	Carrell							
		Juan	Carroll				1-			

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10/8/2024

Date:

Form Completed By:

Project Name: NEW- 24Q4 Project Location: Netwon, IL					Mon	nitoring Point:			
-			Netwon, II				Sample ID:	00	
W.O. Numbe	er (s):		24091272				Date (s):	10/8/	/2024
Field Team N	<u> 1embers</u>								
	Name:		Justin Colp	)	Affiliation:	TekLab, Inc.			
	Name:		Danny Crum	пр	Affiliation:		TekLab, Inc.		
Weather Con	nditions								
	Temp:	59	°F		Wind Direction:	□ N 🔽 S	□ E □ EW	sw □	NE 🗌 NW
			•						
	Precipitation:	<b>✓</b> None	Light	Heavy	Sky:	<b>☑</b> Clear	Partly Clo	oudy 🗌 Clo	oudy
Well Observa	ations								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ective Casing	Χ	
	Prot	ective Casing		Good			Well		Χ
Ref	ference Mark/l	Identification		Yes					
Groundwate	r Level Measu	rements			Stati	c Water Level:	: 44.55	feet below TO	OC .
<u> </u>	Date/Time M		10/8/202	4 10:17	0.000	Total Depth:		feet below TO	
					V	Vater Column:		feet	
	•••							•	
Purging Activ			JC			Burgo Dato	. 10/0	/2024	
D	Purged By: Purge Method:		ble Pump		Well Diameter:	Purge Date:	. 10/6/	72024	
	_			 .55 = 0.74 L x 3 Vol.	-		<del>-</del> -Flow (3/8" disch	narao)	
	•	ge Volume (L):			- 2.22 L	Dasca on Low	11011 (3/0 4/30)	iai gc)	
Physical	appearance of			Clear	Odor:	None	Color:	none	
							-		
				Specific		Dissolved	000	<b>-</b> 1 · 1·	
Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Conductivity (µS/cm)	Temp (°C)	Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:22	0.0	211	(3.0.)	(μο/ επή	purge start		(1117)	(1110)	Other
10:22	1.6	<b>211</b> ↓	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	
10.41	7.2		0.02	3,433.00	17.40	0.07	33.20	20.57	
Sampling Act									
	Sampled By:		С	_	ample Date/Time:	10/8/2024			
	mple Method:		Flow		ample Equipment:		ible Pump	•	
•	e Parameters:		pH		Spec. Cond.	17.40	_Temp		
	Field Filtered:	Yes	•	e: In line disposal					
	Water Level:	45.79	feet below	IOC	Drawdown:	1.24	feet		
Observations	s/Comments: (	i.e., equipment m	alfunctions, con	tamination sources,	sampling difficulties; du	plicate sample)			
•	Field Meter:	45985							
		1	//						
Form C	Completed By:	plan	Colpe			Date:	10/2	/2024	
1 31111 C	ompieted by.	,				Date	. 10/0/	-UL-T	



Project Name	e:		NEW- 240	N- 24Q4 Monitoring Point: APW					N02
<b>Project Locat</b>	tion:		Netwon,	IL	-		Sample ID:	0	04
W.O. Numbe	er (s):		2409127	2	<del>-</del>		Date (s):	10/2	/2024
Field Team N	/lembers								
	Name:		Justin Co	lp	Affiliation:		TekLab, Inc.		
	Name:		Danny Cru	mp	Affiliation:	iliation: TekLab, Inc.			
Marthau Cau					-				
Weather Con	Temp:	61	°F		Wind Direction:		ПЕПЕМ	/	NE I NIW
	Temp.		<u>-</u> 「		wind birection.	L IV LY 3		300	INC   INV
	Precipitation:	<b>▼</b> None	Light	☐ Heavy	Sky:	☐ Clear	Partly Clo	oudy $\square$ Clo	oudy
Well Observa	ations .								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prot	tective Casing	Х	
	Prot	ective Casing		Good	Good Well				Χ
Re	ference Mark/	Identification	-	Yes		•			
Groundwate	r Level Measu	rements			Stati	ic Water Leve	l: 7.12	feet below To	nc
Groundwate	Date/Time M		10/2/20	10:22	Stati	Total Depth	-	feet below To	
	Dute, Time IV	casarca.	10/2/20	10.22	- \	Nater Column		feet	
								•	
Purging Activ			JC			Durgo Doto	10/2	/2024	
С	Purged By: Purge Method:		tic Pump		_ Well Diameter:	Purge Date	2: 10/2	/2024	•
	J		•	6.58 = 0.36 L x 3 Vo			<del>_</del> /-Flow (3/8" discl	harge)	
• '	_	ge Volume (L)		.00 L	1.00 L	· Dasca on Lon	TIOW (3/0 disci	iar ge)	
Physical	appearance of	-		Clear	- Odor:	None	Color:	none	
,	' ' <u> </u>			Constitution of the consti			_		• •
	Cumulative	Purge Rate	pН	Specific Conductivity		Dissolved Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
10:22	0.0	222	, ,		purge start		, ,	, ,	
10:28	1.3	$\downarrow$	6.18	5,033.30	17.79	3.59	7.60	75.04	
10:31	2.0	Ť	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			1.62			
10.49	0.0		0.11	4,815.80	18.52	1.02	19.40	65.30	
Sampling Act	tivities								
	Sampled By:		IC		Sample Date/Time:	10/2/202	4 10:49		_
Sa	mple Method:	Low	Flow	S	Sample Equipment:	Peristal	tic Pump	-	
Sampl	le Parameters:		pH_	4,815.80	Spec. Cond.	18.52	Temp		
	Field Filtered:		_	pe: In line disposa			_		
	Water Level:	11.31	feet below	TOC	Drawdown:	4.19	_feet		
Observations	s/Comments·	i.e., eguinment m	alfunctions co	ontamination sources	sampling difficulties; du	iplicate sample)			
	Field Meter:					,			

Form Completed By: Date: 10/2/2024

| 5445 Horseshoe Lake Road, Collinsville, IL 62234 | Phone: (618) 791-8119 | www.teklabinc.com

Project Name	e:	NEW- 24Q4 Monitoring Point						t: APW03		
Project Locat	tion:		Netwon,	IL	•	Sample ID			<b>D:</b> 005	
W.O. Numbe	er (s):		2409127	72	•		Date (s):	10/7,	/2024	
Field Team N	<u>lembers</u>									
	Name:		Brett Gillil	nan	Affiliation:		TekLab, Inc.		_	
	Name:		Tracy Car	roll	Affiliation:		TekLab, Inc.			
Weather Cor	nditions									
	Temp:	64	_°F		Wind Direction:	□ N □ S	□ E □ EW	sw 🗆	NE 🔲 NW	
	Precipitation:	✓ None	Light	☐ Heavy	Sky:	<b>☑</b> Clear	Partly Clo	oudy 🔲 Clo	oudy	
Well Observa	ations									
		Well Pad		Good			Locks	Yes	No	
		Casing		Good		Prote	ective Casing	Х		
		ective Casing		Good			Well		Х	
Re	ference Mark/	Identification		Yes						
Groundwate	r Level Measu	rements			Stati	c Water Level:	7.83	feet below To	OC	
	Date/Time M	easured:	10/7/20	11:08		Total Depth:	24.00	feet below To	OC	
					V	Vater Column:	16.17	feet		
Purging Activ	/ities									
	Purged By:		BG			Purge Date:	10/7	/2024		
F	Purge Method:	Peristal	tic Pump		Well Diameter:	2"			•	
Р	urge Volume C	alculation (L):	16.17 ft. x 1	.6.17 = 0.36 L x 3 Vol	. = 1.08 L	*Based on Low-	Flow (3/8" disch	narge)		
	Actual Pur	ge Volume (L)	: 2	.00 L						
Physical	appearance of	purge water:		Clear	Odor:	None	Color:	None		
				Specific		Dissolved				
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity		
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other	
11:09	0.0	143		•	purge start	time	T.	T.		
11:14	0.8	$\downarrow$	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 Act	tivities									
Sampling Act	Sampled By:	-	ГС	S	Sample Date/Time:	10/7/2024	11:23			
Sa	mple Method:		Flow		ample Equipment:	Peristalt			•	
	le Parameters:	6.49	рН	1,221.00	Spec. Cond.	19.83	Temp			
	Field Filtered:	Yes	Filter Ty	pe: In line disposa	ble		•			
	Water Level:	10.12	feet below	, TOC	Drawdown:	2.29	feet			
Observations	s/Comments: /	i.e., equinment m	alfunctions co	intamination sources s	ampling difficulties; dup	licate sample)				
	Field Meter:		anunctions, co		amping amiculies, dup	neate sample)				
_		<del></del>								
		6								
Faure 1	Completed By:	Juan	Larroll	ζ		Data	10/7	/2024		
FUI III (	completed by:	,	2			Date:	10/ /	/ <del>_</del> U_+		

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Project Name Project Locat W.O. Numbe	ion:		NEW- 24Q4 Netwon, IL 24091272			Monitoring Point: Sample ID: Date (s):			006	
Field Team N	<b>Members</b> Name: Name:		Brett Gillih Tracy Carr		Affiliation:		TekLab, Inc. TekLab, Inc.			
Weather Cor	nditions									
	Temp:	65	°F		Wind Direction:	□ N □ S	□ E □ EW	✓ SW 🗆	NE NW	
	Precipitation:	✓ None	Light	☐ Heavy	Sky:	<b>✓</b> Clear	Partly Clo	oudy 🔲 Clo	oudy	
Well Observa	ations									
Re	Prot ference Mark/	Well Pad Casing ective Casing Identification		Good Protective Ca		Locks ective Casing Well	Yes X	No X		
Croundwata	r Lovel Massu	vomonts.			Ctati	c Water Level	: 5.55	feet below TO	200	
Date/Time Measured:			10/7/20	24 11:41	_	Total Depth Vater Column	: 21.60	feet below TO		
Purging Activ	<u>/ities</u>									
	Purged By:		BG			Purge Date	: 10/7,	/2024		
	urge Method:		tic Pump		Well Diameter:		_			
P	-			6.05 = 0.35 L x 3 Vol.	. = 1.05 L	*Based on Low	-Flow (3/8" disch	narge)		
Physical	Actual Pur	ge Volume (L): purge water:	4.	50 L 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	$\downarrow$	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 Act	tivities									
	Sampled By:		C Elow		Sample Date/Time:	10/7/2024			•	
	mple Method: e Parameters:		Flow pH		ample Equipment: Spec. Cond.	18.72	tic Pump Temp			
Sampi	Field Filtered:		- 1	e: In line disposa		10.72	- remp			
	Water Level:		feet below		Drawdown:	4.27	_feet			
	s/Comments: ( Field Meter:		alfunctions, co	ontamination sources,	sampling difficulties; du	plicate sample)				
		O and	10 1							

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10/7/2024

Project Name: Project Location:			NEW- 24Q4 Netwon, IL			Mon	nitoring Point: Sample ID:		V05 D7
W.O. Numbe	r (s):		2409127	2	•		Date (s):	10/2/	/2024
Field Team M	<u>1embers</u> Name: Name:		Justin Colp Affiliation:  Danny Crump Affiliation:				TekLab, Inc. TekLab, Inc.		
Weather Con	ditions								
	Temp:	65	_°F		Wind Direction:	□ N □ S	□ E 🔽 EW	√ □ sw □	NE NW
	Precipitation:	✓ None	Light	☐ Heavy	Sky:	<b>✓</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations								
		Well Pad		Good		_	Locks	Yes	No
	D	Casing	Good Good			Protective Casing		Х	
Rof	Proti erence Mark/I	ective Casing		Yes			Well		X
	erence iviality	dentification		103					
Groundwate	r Level Measu				Stati	c Water Level:	: 14.40	feet below To	OC
Date/Time Measured:		10/2/20	24 11:27	•	Total Depth:		feet below To	OC	
					V	Vater Column:	: 56.40	feet	
Purging Activ	<u>rities</u>								
	Purged By:		JC			Purge Date:	: 10/2	/2024	ı
	urge Method:		r Pump	<u></u>	Well Diameter:		_		
Pι	_			.4 = 1.24 L x 3 Vol. =	3.72 L	*Based on Low-	-Flow (3/8" disch	harge)	
<b>5</b> 1 · 1		ge Volume (L):		00 L			0.1		
Physical	appearance of	purge water:		Clear	Odor:	None	_ Color:	none	•
				Specific		Dissolved			
Durgo Timo	Cumulative	Purge Rate	pH (S.L.)	Conductivity	Temp (°C)	Oxygen	ORP	Turbidity	Other
11:28	Purge Vol.(L) 0.0	(mL/m) 222	(S.U.)	(μS/cm)	Temp (°C) purge start	(mg/L)	(mV)	(NTU)	Other
11:34	1.5	<b>222</b> ↓	7.05	917.80	15.66	1.54	-139.40	7.34	
11:37	2.1	V	6.85	920.10	15.62	1.02	-164.30	4.94	
11:40	2.1		6.61		15.61	0.89			
11:43	3.5		6.54	919.20 916.50	15.62	0.83	-171.20 -171.80	12.08 15.79	
	4.1		6.48	915.90	15.70	0.80		19.98	
11:46	4.1		0.46	915.90	13.70	0.80	-170.20	19.90	
Sampling Act	<u>ivities</u>								
	Sampled By:		С		ample Date/Time:	10/2/2024	11:46		
	mple Method:		Flow		ample Equipment:		r Pump	-	
•	e Parameters:		pH	915.90	Spec. Cond.	15.70	_Temp		
	Field Filtered:		- ''	oe: In line disposa		0.00	£		
	Water Level:	14.49	feet below	100	Drawdown:	0.09	feet		
			nalfunctions, co	ontamination sources,	sampling difficulties; du	plicate sample)			
•	Field Meter:	45985							
		1							
Form C	ompleted By:	prom	Colp			Date	:10/2	/2024	

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Project Location:       Netwon, IL       Sample ID:         W.O. Number (s):       24091272       Date (s):       10         Field Team Members       Name: Danny Crump       Affiliation: TekLab, Inc.         Weather Conditions       Temp: 66 °F       Wind Direction: N Sky: Clear Partly Cloudy         Precipitation: None       Light Heavy       Sky: Clear Partly Cloudy         Well Observations       Well Pad Casing Good       Frotective Casing Yes         Reference Mark/Identification       Good       Protective Casing Yes         Reference Mark/Identification       Yes         Groundwater Level Measurements       10/2/2024 11:43       Static Water Level: 13.50 Feet below Water Column: 9.40 Feet below Water Column: 9.40 Feet         Purging Activities       Purged By: JC       Purge Date: 10/2/2024 Pergentification Peristaltic Pump Well Diameter: 2" Purge Well Diameter: 2" Purge Well Diameter: 2" Purge Volume (L): 9.4 ft. x 9.4 = 0.21 L x 3 Vol. = 0.63 L *Based on Low-Flow (3/8" discharge)         Physical appearance of purge water:       Clear       Odor: None       Color: none	APW05S	
Field Team Members  Name: Justin Colp Affiliation: TekLab, Inc.  Danny Crump Affiliation: TekLab, Inc.  Weather Conditions  Temp: 66 °F Wind Direction: N S E E SW SW  Precipitation: None Light Heavy Sky: Clear Partly Cloudy   Well Observations  Well Pad Good Protective Casing Good Well  Reference Mark/Identification Yes  Groundwater Level Measurements Date/Time Measured: 10/2/2024 11:43 Static Water Level: 13.50 feet below Water Column: 9.40 feet  Purging Activities  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  *Based on Low-Flow (3/8" discharge)	008	
Name: Danny Crump Affiliation: TekLab, Inc.    Name: Danny Crump Affiliation: TekLab, Inc.	0/2/2024	
Meather Conditions         Temp: 66 °F       Wind Direction: N S E E EW S SW         Precipitation: None Light Heavy       Sky: Clear Partly Cloudy Sky         Well Pad Casing Good       Locks Yes         Casing Protective Casing Reference Mark/Identification       Good Yes       Well Well         Groundwater Level Measurements Date/Time Measured: 10/2/2024 11:43       Static Water Level: 13.50 feet below Water Column: 9.40 feet         Purging Activities Purge Method: Peristaltic Pump Purge Method: Peristaltic Pump Well Diameter: 2"       Purge Date: 10/2/2024 Purge Notume 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       6.00 L       *Based on Low-Flow (3/8" discharge)		
Weather Conditions         Temp:       66       °F       Wind Direction:       N S E E EW S SW         Precipitation:       N N S E E EW S SW         Well Pad Casing Protective Casing Protective Casing Reference Mark/Identification       Good Yes       Protective Casing Well         Groundwater Level Measurements Date/Time Measured:       10/2/2024 11:43       Static Water Level:       13.50 feet below Water Column:         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		
Temp: 66 °F Wind Direction: N S E E W S SW  Precipitation: N N N S E E W S SW  Precipitation: N N N S E E W S SW  Precipitation: N N N S E E W S SW  Precipitation: N N N S E E W S SW  Precipitation: N N N S E E W N N N N N S E E W N N N N N S E E W N N N N N S E E W N N N N N S E E W N N N N N S E E W N N N N N S E E W N N N N S E E W N N N N N S E E W N N N N N S E E W N N N N N S E E W N N N N N S E E W N N N N N S E E W N N N N S E E W N N N N S E E W N N N N S E E W N N N N S E E W N N N N S E E W N N N N S E E W N N N N S E E W N N N N S E E W N N N N S E E W N N N N S E E W N N N N S E E W N N N N S E E W N N N S E E W N N N N S E E W N N N S E E W N N N N S E E W N N N N S E E W N N N N S E E W N N N N S E E W N N N N S E E W N N N N S E E E W N N N N S E E W N N N N S E E W N N N N S E E E W N N N N S E E E W N N N N S E E E W N N N N S E E E W N N N N S E E E W N N S E E E W N N S E E E W N N S E E E W N N S E E E W N N S E E E W N N S E E E W N S E E E W N S E E E E W N S E E E W N S E E E W N S E E E W N S E E E W N S E E E W N S E E E W N S E E E W N S E E E W N S E E E W N S E E E EW N S E E E EW N S E E E EW N S E E E EW N S E E E EW N S E E E EW N E E E EW N S E E E EW N E E E EW N S E E E EW N E E E EW N E E EW N E E E EW N E E E E		
Precipitation: None Light Heavy Sky: Clear Partly Cloudy  Well Observations  Well Pad Casing Good Protective Casing Good Well  Reference Mark/Identification Yes  Groundwater Level Measurements Date/Time Measured: 10/2/2024 11:43 Static Water Level: 13.50 feet below 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		
Well Pad Casing Casing Protective Casing Protective Casing Activities       Casing Good Protective Casing Activities       Static Water Level: 13.50 feet below Water Column: 9.40 feet         Burged By: JC Water Column: Purged Method: Peristaltic Pump Purge Method: Peristaltic Pump Purge Volume Calculation (L): 9.4 ft. x 9.4 = 0.21 L x 3 Vol. = 0.63 L       Well Diameter: 2"       *Based on Low-Flow (3/8" discharge)         Actual Purge Volume (L): 6.00 L       6.00 L       *Based on Low-Flow (3/8" discharge)	□ NE □ NW	
Well Pad Casing Casing Protective Casing Protective Casing Activities       Casing Good Protective Casing Activities       Static Water Level: 13.50 feet below Water Column: 9.40 feet         Burged By: JC Water Column: Purged Method: Peristaltic Pump Purge Method: Peristaltic Pump Purge Volume Calculation (L): 9.4 ft. x 9.4 = 0.21 L x 3 Vol. = 0.63 L       Well Diameter: 2"       *Based on Low-Flow (3/8" discharge)         Actual Purge Volume (L): 6.00 L       6.00 L       *Based on Low-Flow (3/8" discharge)		
Well Pad Casing Casing Protective Casing Protective Casing GoodProtective Casing MellReference Mark/IdentificationYesGroundwater Level MeasurementsStatic Water Level: 13.50 feet below Water Column: 9.40 feetDate/Time Measured: 10/2/2024 11:43 Total Depth: 22.90 feet below Water Column: 9.40 feetPurging ActivitiesPurged By: JC Purge Date: 10/2/2024 Purge Method: Peristaltic Pump Well Diameter: 2"Purge Date: 10/2/2024 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	Cloudy	
Well Pad Casing Casing Protective Casing Protective Casing GoodProtective Casing MellReference Mark/IdentificationYesGroundwater Level MeasurementsStatic Water Level: 13.50 feet below Water Column: 9.40 feetDate/Time Measured: 10/2/2024 11:43 Total Depth: 22.90 feet below Water Column: 9.40 feetPurging ActivitiesPurged By: JC Purge Date: 10/2/2024 Purge Method: Peristaltic Pump Well Diameter: 2"Purge Date: 10/2/2024 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		
Protective Casing Reference Mark/Identification  Tyes    Static Water Level: 13.50   feet below Water Column: 9.40   feet below Water Column: 9.40   feet	No	
Reference Mark/Identification  Yes  Groundwater Level Measurements Date/Time Measured: 10/2/2024 11:43 Date/Time Measured: 10/2/2024 11:43 Date/Time Measured: 10/2/2024 11:43 Date/Time Measured: 10/2/2024 11:43 Date/Time Measured: 10/2/2024 11:43 Date/Time Measured: 10/2/2024		
Groundwater Level Measurements  Date/Time Measured: 10/2/2024 11:43  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  Actual Purge Volume (L): 6.00 L	Х	
Purging Activities     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		
Purging Activities     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	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		
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	7100	
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		
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  Actual Purge Volume (L): 6.00 L		
Purge Volume Calculation (L): 9.4 ft. x 9.4 = 0.21 L x 3 Vol. = 0.63 L  Actual Purge Volume (L): 6.00 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		
	_	
Specific Dissolved		
Cumulative Purge Rate pH Conductivity Oxygen ORP Turbidit	y	
Purge Time         Purge Vol.(L)         (mL/m)         (S.U.)         (μS/cm)         Temp         (°C)         (mg/L)         (mV)         (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		
Compeling Astivities		
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		
Title Level 1125 reception 100 blumuomii 0.05 rece		
Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)		
• Field Meter: 45985		

Form Completed By: Note Coly

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10/2/2024

Project Name	e:		NEW- 24Q4		Monitoring Point: APW06				
Project Locat	tion:		Netwon, IL				Sample ID:		)9
W.O. Numbe	er (s):		24091272				Date (s):	10/8/	/2024
Field Team N	/lembers								
	Name:		Justin Colp		Affiliation:		TekLab, Inc.		
	Name:		Danny Crump	)	Affiliation:		TekLab, Inc.		•
Weather Cor	nditions								
Treatmen con	Temp:	53	°F		Wind Direction:	□ N 🔽 S	□ E □ EW	sw 🗆	NE NW
			•						
	Precipitation:	✓ None	Light	Heavy	Sky:	<b>▼</b> Clear	Partly Clo	oudy 🔲 Clo	udy
Well Observa	ations								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ective Casing	Х	
	Prot	ective Casing		Good			Well		Χ
Reference Mark/Identification				Yes					
Groundwate	r Level Measu	rements			Stati	c Water Level:	19.51	feet below To	OC .
	Date/Time M	<u>.</u>	10/8/2024	9:12		Total Depth:	76.10	feet below To	
					V	Vater Column:		feet	
Purging Activ	vitios								
ruiging Activ	Purged By:		JC			Purge Date:	10/8	/2024	
D	Purge Method:				Well Diameter:	· ·		72024	
	_		•	9 = 1.24 L x 3 Vol.	-	*Based on Low-	Flow (3/8" disch	harge)	
	_	ge Volume (L):			- 5.72 L	Dasca on Low	11011 (370 41361	iai ge)	
Physical	appearance of			ear	Odor:	None	Color:	none	
	1			Chocific		Dissaluad	1		
	Cumulative	Purge Rate	рН	Specific Conductivity		Dissolved Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
9:16	0.0	235	(0.0.)	(100)	purge start		()	()	
9:21	1.2	<b>↓</b>	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	
				I					
Sampling Act	<u></u>	J	C		amanla Data/Timas	10/0/2024	0.22		
r-	Sampled By: mple Method:		Flow		ample Date/Time:	10/8/2024 Submersil	9:33		•
	•			. 698.80	ample Equipment:			-	
Sampi	e Parameters:		pH	In line disposa	Spec. Cond.	15.57	Temp		
	Field Filtered: Water Level:		feet below TO		Drawdown:	1.49	feet		
	water Level.	21.00	leet below 10		Drawdown.	1.43			
Observations	s/Comments: (	i.e., equipment m	alfunctions, conta	mination sources,	sampling difficulties; du	plicate sample)			
•	Field Meter:	45985							
		1	11						
Form (	Completed By:	prot	Coll			Date:	10/8	/2024	
. 51111	preced by.	<u>*</u>				Date.	10,0,	,,	



Project Name		NEW- 24Q4			-	Mon	itoring Point:		N07
Project Locat			Netwon,		-		Sample ID:		10
W.O. Numbe	r (s):		2409127	2	-		Date (s):	10/8,	/2024
Field Team N	<u>1embers</u>								
	Name:		Justin Co	lp	Affiliation:		TekLab, Inc.		_
	Name:		Danny Cru	mp	Affiliation:		TekLab, Inc.		<u>.</u>
Weather Con	ditions_								
	Temp:	57	_°F		Wind Direction:	□ N 🔽 S	□ E □ EW	/ □ sw □	NE 🗌 NW
	Precipitation:	<b>▼</b> None	Light	☐ Heavy	Sky:	<b>✓</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations .								
		Well Pad		Good		•	Locks	Yes	No
		Casing		Good		Prote	ective Casing	Х	
	Prot	ective Casing		Good		ī	Well		Х
Ref	ference Mark/	Identification		Yes					
Groundwate	r Level Measur	rements			Stati	ic Water Level:	47.60	feet below To	OC
	Date/Time M		10/8/20	24 9:47		Total Depth:	85.80	feet below To	OC
					<u> </u>	Water Column:	38.20	feet	
Purging Activ	rities								
	Purged By:		JC			Purge Date:	10/8	/2024	
Р	urge Method:	Submers	ible Pump		Well Diameter:	2"			•
P	urge Volume C	alculation (L):	38.2 ft. x 38	.2 = 0.84 L x 3 Vol. =	2.52 L	*Based on Low-	- Flow (3/8" disch	harge)	
	Actual Pur	ge Volume (L):	3.	50 L	_	•			
Physical	appearance of	purge water:		Clear	Odor:	None	Color:	none	
				Specific	l	Dissolved			
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
9:51	0.0	250			purge start	time	_	_	
9:56	1.3	$\downarrow$	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 Act	ivities								
	Sampled By:	J	С	Ç	Sample Date/Time:	10/8/2024	10:05		
Sa	mple Method:	Low	Flow	S	ample Equipment:	Submersi	ble Pump		•
Sampl	e Parameters:	7.17	рН	861.50	Spec. Cond.	15.52	Temp	_	
	Field Filtered:	Yes	Filter Typ	oe: In line disposa	ble		_		
	Water Level:	48.01	feet below	TOC	Drawdown:	0.41	feet		
Observations	/Comments: (	i.e., equipment m	alfunctions, co	ntamination sources, s	ampling difficulties; dup	licate sample)			
	Field Meter:		,	,-		• •			

Form Completed By: Date: 10/8/2024

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Project Name			NEW- 240			AP\	APW08		
Project Locat	ion:		Netwon,	L			Sample ID:	0:	11
W.O. Numbe	r (s):		2409127	2			Date (s):	10/2,	/2024
Field Team N	<u>1embers</u>								
	Name:		Justin Col	•	Affiliation:		TekLab, Inc.		•
	Name:		Danny Crui	mp	Affiliation:		TekLab, Inc.		
Weather Con	ditions								
	Temp:	56	_°F		Wind Direction:	□ N 🔽 S	□ E □ EW	☐ SW ☐	NE 🗌 NW
	Precipitation:	<b>✓</b> None	Light	☐ Heavy	Sky:	☐ Clear	✓ Partly Clo	udy 🔲 Clo	oudy
Well Observa	ntions .								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prot	ective Casing	Χ	
	Prot	ective Casing		Good			Well		Χ
Ref	erence Mark/l	dentification		Yes			!		
Groundwate	r Level Measu	rements			Stati	c Water Level	: 32.84	feet below To	OC
	Date/Time M		10/2/20	24 9:10		Total Depth		feet below To	OC
					V	Vater Column		feet	
Purging Activ	rities								
r diging Activ	Purged By:		JC			Purge Date	: 10/2/	/2024	
Р	urge Method:		r Pump		Well Diameter:	ū			•
	_			 L.36 = 1.13 L x 3 Vol.			<del>-</del> -Flow (3/8" disch	narge)	
	_	ge Volume (L):		00 L			(	3.7	
Physical	appearance of			Clear	Odor:	None	Color:	none	
		,					_		
	Composite	Dunas Data		Specific		Dissolved	ODD	T	
Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Conductivity (µS/cm)	Temp (°C)	Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:12	0.0	217	(3.0.)	(μ3/cm)	purge start		(1117)	(1410)	Other
9:20	1.9	<b>↓</b>	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 Act	ivitios								
Janipinig Acc	Sampled By:	J	С	S	sample Date/Time:	10/2/2024	9:35		
Sar	mple Method:	Low	Flow		ample Equipment:		r Pump		•
	e Parameters:	7.46	рН		Spec. Cond.	14.99	Temp	ı	
-	Field Filtered:	Yes	- 1	e: In line disposa			_ '		
	Water Level:	32.89	feet below		Drawdown:	0.05	feet		
Obecassis	Comment		-16						
-			aitunctions, co	ntamination sources,	sampling difficulties; du	piicate sample)			
•	Field Meter:	45985							

Form Completed By: Ask Colp 10/2/2024 Date: ekiab inc. | 5445 Horseshoe Lake Road, Collinsville, IL 62234 | Phone: (618) 791-8119 | www.teklabinc.com

Project Name: Project Location: W.O. Number (s):			NEW- 24Q4 Netwon, IL			Monitoring Point: _ Sample ID: _			
W.O. Numbe	r (s):		24091272	2	•		Date (s):	10/8,	/2024
Field Team N	lembers Name: Name:		Justin Colp Danny Crun		Affiliation:		TekLab, Inc. TekLab, Inc.		
Weather Con	ditions								
	Temp:	65	_°F		Wind Direction:	□ N ▼ S	□ E □ EW	√ □ sw □	NE 🗌 NW
	Precipitation:	<b>✓</b> None	Light	Heavy	Sky:	<b>✓</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ntions_								
		Well Pad		Good			Locks	Yes	No
	_	Casing	Good			Protective Casing		Х	
Def		ective Casing		Good Yes			Well		X
Kei	erence Mark/I	dentification		res					
Groundwater Level Measurements  Date/Time Measured:			10/8/202	11:33		c Water Level: Total Depth: Vater Column:	65.00	feet below To feet below To feet	
Purging Activ	<u>rities</u>								
	Purged By:		JC			Purge Date:	10/8	/2024	
	urge Method:		ible Pump	<u> </u>	Well Diameter:	2"	_		
Pı	_			.29 = 0.82 L x 3 Vol	. = 2.46 L	*Based on Low-	Flow (3/8" disci	harge)	
Dhysiaal		ge Volume (L):		00 L Clear		Nama	Calam		
Physical	appearance of	purge water:		Clear	Odor:	none	Color:	none	
				Specific		Dissolved	0.00	- 1:1:	
Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Conductivity (µS/cm)	Temp (°C)	Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:35	0.0	250	(5.5.)	(100, 000)	purge start		()	()	
11:39	1.0	$\downarrow$	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 Act		,	IC	c	ample Date/Time	10/0/2024	11,51		
Sar	Sampled By: nple Method:		Flow		ample Date/Time: ample Equipment:	10/8/2024 Submersil			
	e Parameters:		pH		Spec. Cond.	18.13	Temp	_	
•	Field Filtered:		-	e: In line disposa					
	Water Level:	27.96	feet below	тос	Drawdown:	0.25	feet		
Observations	/Comments:	i.e., equipment m	nalfunctions, cor	ntamination sources,	sampling difficulties; du	plicate sample)			
	Field Meter:		·	·	,				
Form C	ompleted By:	from	Colp			Date:	10/8	/2024	

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Project Name Project Locat W.O. Numbe	ion:		NEW- 24Q4 Netwon, IL 24091272		Monitoring Point: Sample ID: Date (s):			0:	APW10 013 10/1/2024	
Field Team N	lamhers									
ricia realiriv	Name:		Justin Colp		Affiliation:		TekLab, Inc.			
	Name:		Danny Crump	)	Affiliation:		TekLab, Inc.			
Weather Con	Temp:	73	°F		Wind Direction:	□ N 🔽 S	□ E □ EW	sw 🗆	NE 🗆 NW	
	Precipitation:	<b>✓</b> None	Light 🗆	Heavy	Sky:	☐ Clear	▼ Partly Clo	oudy 🗖 Clo	udy	
Well Observa	<u>itions</u>									
		Well Pad		Good			Locks	Yes	No	
		Casing		Good		Prote	ctive Casing	Х		
Def			Good Yes			Well		Χ		
Kei	erence wark/	identification		res						
Groundwater	r Level Measu	rements			Stati	c Water Level:	18.86	feet below To	OC	
	Date/Time M	easured:	10/1/2024	11:23		Total Depth:		feet below To	OC	
					V	Vater Column:	29.84	feet		
Purging Activ	ities									
	Purged By:		JC			Purge Date:	10/1	/2024		
Р	urge Method:	Bladde	r Pump	-	Well Diameter:	2"			•	
Pt	urge Volume C	alculation (L):	29.84 ft. x 29.8	4 = 0.66 L x 3 Vol	. = 1.98 L	*Based on Low-	Flow (3/8" discl	harge)		
		ge Volume (L):								
Physical	appearance of	purge water:	Cl	ear	Odor:	None	Color:	none	i	
				Specific		Dissolved				
	Cumulative	Purge Rate	рН	Conductivity	.0 .	Oxygen	ORP	Turbidity		
Purge Time	Purge Vol.(L)		(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other	
11:24	0.0	132		I	purge start		l	I		
11:31	1.0	$\downarrow$	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 Act	<u>ivities</u>									
	Sampled By:	J	С	S	ample Date/Time:	10/1/2024	11:58			
Sar	mple Method:	Low	Flow	S	ample Equipment:	Bladder	· Pump	•		
•	e Parameters:		pH		Spec. Cond.	16.32	Temp			
	Field Filtered:		. ''	In line disposa						
	Water Level:	19.00	feet below TO	OC .	Drawdown:	0.14	feet			
Observations	/Comments: (	i.e., equipment m	alfunctions, conta	mination sources,	sampling difficulties; du	plicate sample)				
•	Field Meter:	45985								
		por	Colx				-01-	/2024		
Form C	ompleted By:	/	2.00			Date:	10/1	/2024	ı	

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Project Name	e:		NEW- 24	.Q4	_	Mor	nitoring Point:	AP\	V11
<b>Project Locat</b>	tion:		Netwon	, IL			Sample ID:	0:	14
W.O. Numbe	er (s):		240912	72	•		Date (s):	10/1,	/2024
Field Team N	<u>lembers</u>								
	Name:		Justin Co	olp	Affiliation:		TekLab, Inc.		ı
	Name:		Danny Cri	ump	Affiliation:		TekLab, Inc.		
Weather Cor	nditions								
	Temp:	71	_°F		Wind Direction:	□ N 🔽 S	□ E □ EW	sw 🗆	NE NW
	Precipitation:	✓ None	Light	☐ Heavy	Sky:	☐ Clear	Partly Clo	oudy 🗖 Clo	oudy
Well Observa	ations .								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prot	ective Casing	Х	
	Prot	ective Casing		Good			Well		Х
Re	ference Mark/	Identification		Yes					
Groundwate	r Level Measu	rements			Stati	c Water Level	: 25.16	feet below To	OC .
	Date/Time M		10/1/2	024 9:54		Total Depth		feet below To	
·					V	Vater Column		feet	
Purging Activ	<u>rities</u>								
	Purged By:		JC			Purge Date	: 10/1	/2024	
F	Purge Method:	Bladde	er Pump		Well Diameter:	2"			
Р	urge Volume C	alculation (L):	42.44 ft. x	42.44 = 0.93 L x 3 Vol	. = 2.79 L	*Based on Low	-Flow (3/8" disch	narge)	
	Actual Pur	ge Volume (L)	: 4	I.50 L					
Physical	appearance of	purge water:		Clear	Odor:	None	_ Color:	none	
				Specific		Dissolved			
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
9:57	0.0	161			purge start	time	1	1	
10:04	1.2	$\downarrow$	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 Act	tivities								
Janipinig ACI	Sampled By:		JC	c	Sample Date/Time:	10/1/2024	10:25		
Sa	mple Method:		Flow		sample Equipment:		r Pump		
	le Parameters:	7.61	рН	1,211.50	Spec. Cond.	18.02	Temp	-	
34.1101	Field Filtered:	Yes	-	rpe: In line disposa	• '	20.02			
	Water Level:		feet below		Drawdown:	0.07	feet		
Observations	:/Comments:/	i a aquinment n	alfunctions o	ontamination sources	sampling difficulties; du	nlicate cample)			
	Field Meter:		iairurictions, C	ontammation sources,	sampling unitculties; du	piicate sample)			
•		.5555							

Form Completed By: Date: 10/1/2024

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Project Name	·				APW12 015				
Project Location: Netwon, IL									
W.O. Numbe	r (s):		2409127	2			Date (s):	10/1/2024	
Field Team N									
	Name:		Justin Col	•	Affiliation:		TekLab, Inc.		<u>-</u>
	Name: Dann		Danny Crui	mp	Affiliation:		TekLab, Inc.		<u>-</u>
Weather Con	ditions								
	Temp:	72	_°F		Wind Direction:	□ N 🔽 S	□ E □ EW	□ sw □	NE 🗌 NW
	Precipitation:	✓ None	Light	☐ Heavy	Sky:	☐ Clear	Partly Clo	udy 🔲 Clo	oudy
Well Observa	ations .								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prot	ective Casing	Χ	
	Prot	ective Casing		Good			Well		Х
Ref	ference Mark/I	Identification		Yes					
Groundwater	r Level Measu	rements			Stati	ic Water Level	: 16.38	feet below To	OC
	Date/Time M		10/1/202	24 10:45		Total Depth	: 33.00	feet below To	OC
			-		· \	Water Column	: 16.62	feet	
Purging Activ	rities								
	Purged By:		JC			Purge Date	: 10/1,	/2024	
Р	urge Method:	Bladde	er Pump		Well Diameter:	2"			•
Pı	urge Volume C	alculation (L):	16.62 ft. x 16	5.62 = 0.37 L x 3 Vol	. = 1.11 L	*Based on Low	- -Flow (3/8" disch	arge)	
	Actual Purg	ge Volume (L):	4.0	00 L					
Physical appearance of purge water		purge water:		Clear	Odor:	None	Color:	none	
		Т		Considia		Discolused	_		· 
	Cumulative	Purge Rate	рН	Specific Conductivity		Dissolved Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
10:45	0.0	222	(0.0.)	(100)	purge start		(,	()	
10:48	0.8	$\downarrow$	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 Act	ivities								
	Sampled By:	J	IC	9	Sample Date/Time:	10/1/2024	11:03		
· · · · · · · · · · · · · · · · · · ·		Low	Flow	<u> </u>	ample Equipment:	Bladde	er Pump		•
Sample	e Parameters:	7.36	рН	2,080.10	Spec. Cond.	18.12	Temp		
	Field Filtered:	Yes	Filter Typ	e: In line disposa	ble		_		
	Water Level:	16.40	feet below	тос	Drawdown:	0.02	feet		
Observations	:/Comments:/	ie equinment m	nalfunctions co	ntamination sources	sampling difficulties; du	inlicate sample)			
	Field Meter:		ianunctions, co	manimudon sources,	Jamping announces, du	ipiicate sample)			
· ·	. ICIA IVICTO	.5555							

Form Completed By: Ask Colp 10/1/2024 Date: ekiab inc. | 5445 Horseshoe Lake Road, Collinsville, IL 62234 | Phone: (618) 791-8119 | www.teklabinc.com

Project Name: Project Location: W.O. Number (s):			NEW- 24 Netwon, 240912	, IL		APW13 016 10/1/2024				
	. ,		210312		•		Date (s):	10/ 1/	2021	
Field Team M	<u>1embers</u> Name: Name:		Justin Co Danny Cru	•	Affiliation: Affiliation:	- · · · · · · · · · · · · · · · · · · ·				
Weather Con	ditions									
	Temp:	75	_°F		Wind Direction:	□ N 🔽 S	□ E □ EW	sw 🗆	NE NW	
	Precipitation:	<b>✓</b> None	Light	☐ Heavy	Sky:	☐ Clear	Partly Clo	oudy 🔲 Clo	oudy	
Well Observa	ations .									
		Well Pad		Good			Locks	Yes	No	
		Casing		Good		Prot	ective Casing	Х		
		ective Casing		Good		ı	Well		Х	
Re	ference Mark/	Identification		Yes						
Groundwater Level Measurements  Date/Time Measured:			10/1/20	10/1/2024 12:21 Total Depth: 66.30 f				feet below TOC feet below TOC feet		
Purging Activ	<u>rities</u> Purged By:		JC			Purge Date	: 10/1	/2024		
	urge Method:		er Pump		Well Diameter:	2"	_			
Pi	-			2.9 = 0.72 L x 3 Vol. =	2.16 L	*Based on Low	-Flow (3/8" disch	narge)		
Physical	Actual Purg appearance of	ge Volume (L) f purge water:	_	i.00 L 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	$\downarrow$	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 Act										
-	Sampled By:		JC		Sample Date/Time:	10/1/2024			•	
Sample Method:			Flow		ample Equipment: Bladder Pump					
Sampl	e Parameters: Field Filtered:	7.53 Yes	_ pH Eiltor Tv	1,350.70	Spec. Cond.	17.82	_Temp			
	Water Level:		Filter Type: In line disposate feet below TOC		Drawdown:	0.22	feet			
	s/Comments: ( Field Meter:		nalfunctions, c	ontamination sources,	sampling difficulties; du	plicate sample)				

Form Completed By: Date: 10/1/2024 | 5445 Horseshoe Lake Road, Collinsville, IL 62234 | Phone: (618) 791-8119 | www.teklabinc.com

Project Name: Project Location:			NEW- 24Q4 Netwon, IL				APW14 017		
W.O. Number (s):			24091272		•		Date (s):	10/1,	/2024
Field Team N	/lembers								
Ticia i caiii ii	Name:		Justin Colp		Affiliation:		TekLab, Inc.		
Name:		Danny Crump	)	Affiliation:		TekLab, Inc.			
Weather Cor	nditions								
	Temp:	76	°F		Wind Direction:	□N 🔽 S	□ E □ EW	√ □ sw □	NE 🗌 NW
	Precipitation:	<b>✓</b> None	☐ Light ☐	Heavy	Sky:	☐ Clear	✓ Partly Clo	oudy 🔲 Clo	udy
Well Observa	ations								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ctive Casing	Х	
D : (		ective Casing		Good			Well		Χ
кет	erence Mark/I	dentification		Yes	_				
Groundwate	r Level Measu	rements			Stati	c Water Level:	22.01	feet below To	OC OC
	Date/Time M	easured:	10/1/2024	13:03		Total Depth:	57.40	feet below To	C
					V	Vater Column:	35.39	feet	
Purging Activ	<u>rities</u>								
	Purged By:		JC			Purge Date:	10/1	/2024	
	urge Method:			<u> </u>	Well Diameter:		Fl (2 (0)  -1;	()	
Pt		ge Volume (L):		89 = 0.78 L x 3 Vo	I. = 2.34 L	*Based on Low-	FIOW (3/8" AISC	narge)	
Physical	appearance of			lear	Odor:	None	Color:	none	
Titysical	appearance or	purge water.			0001.		COIOI.	Hone	
	Cumulative	Purge Rate	pН	Specific Conductivity		Dissolved	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	Oxygen (mg/L)	(mV)	(NTU)	Other
13:04	0.0	241	, ,		purge start		, ,	, ,	
13:09	1.3	$\downarrow$	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 Act	tivities								
	Sampled By:	J	С	S	ample Date/Time:	10/1/2024	13:33		
Sar	mple Method:		Flow	- Si	ample Equipment:	Bladder	· Pump		
·		pH	1,439.50	Spec. Cond.	15.31	Temp	-		
	Field Filtered:	Yes	Filter Type:	In line disposa	ble				
	Water Level:	22.23	feet below To	OC	Drawdown:	0.22	feet		
	s/Comments: Field Meter:		alfunctions, cont	amination sources,	sampling difficulties; du	uplicate sample)			
		Ch - a-							
Form C	ompleted By:	puon	Coll			Date:	10/1	/2024	

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Project Name: Project Location: W.O. Number (s):			NEW- 24Q4 Netwon, IL 24091272		Monitoring Point: Sample ID: Date (s):				APW15 018 10/1/2024	
Field Team N	lawah awa									
Field Team M	Name:		Justin Colp		Affiliation:		TekLab, Inc.			
	Name:		Danny Crump	)	Affiliation:	-	TekLab, Inc.			
					, , , , , , , , , , , , , , , , , , , ,					
Weather Con	<u>ditions</u>								_	
	Temp:	75	°F		Wind Direction:	□ N 🔽 S	□ E □ EW	' □ SW □	NE NW	
		_						_		
	Precipitation:	✓ None	Light	Heavy	Sky:	☐ Clear	Partly Clo	oudy $\square$ Clo	udy	
Well Observa	tions									
		Well Pad		Good			Locks	Yes	No	
		Casing		Good		Prote	ective Casing	Х		
	Prot	ective Casing		Good		<u>-</u> '	Well		Х	
Ref	erence Mark/I	dentification		Yes		-				
Cuarradiriata					Ctat	ia Matar Laval	24.22	feet below To	20	
Groundwater	Level Measur Date/Time M		10/1/2024	12,52	Stat	ic Water Level:		•		
	Date/ Time ivi	easureu.	10/1/2024	13:52		:Total Depth Water Column		feet below To	JC	
						vater column.	04.27			
Purging Activ										
	Purged By:		JC			Purge Date:	10/1	/2024	ı	
	urge Method:		•	-	Well Diameter:		<u>-</u>			
Pı				7 = 1.85 L x 3 Vol	. = 5.55 L	*Based on Low-	Flow (3/8" disch	narge)		
51 · 1		ge Volume (L):					0.1			
Physical	appearance of	purge water:	CI	ear	Odor:	None	Color:	none	i	
				Specific		Dissolved				
	Cumulative	Purge Rate	рН	Conductivity	10 - N	Oxygen	ORP	Turbidity		
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other	
13:53	0.0	152		ı	purge star			1		
13:59	0.9	$\downarrow$	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		
0 11 7										
Sampling Act		J	^	_	ample Date/Time:	10/1/2024	14.20			
Car	Sampled By:	Low		-	ample Date/Time: ample Equipment:	10/1/2024 Bladde				
	nple Method: e Parameters:	7.27		-	Spec. Cond.	17.95	<u>'</u>	•		
•	Field Filtered:	Yes	pH Filter Tyne:	1,911.00 In line disposa	• •	17.33	_Temp			
		feet below TO		Drawdown:	0.77	feet				
					2.4.7401711.		<b>-</b>			
Observations	/Comments: (	i.e., equipment ma	alfunctions, conta	mination sources,	sampling difficulties; du	uplicate sample)				
•	Field Meter:	45985								
		Para-	11.							
Form C	ompleted By:	from	coyo			Date:	10/1	/2024		

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Project Name:			NEW- 24Q4			Monitoring Point:				
Project Location:			Netwon,	IL			Sample ID:		19	
W.O. Number (s):			2409127	2			Date (s):	10/2/	/2024	
Field Team N	<u>lembers</u>									
	Name:		Justin Co		Affiliation:		TekLab, Inc.			
Name:			Danny Cru	mp	Affiliation:		TekLab, Inc.			
Weather Con	ditions									
	Temp:	53	°F		Wind Direction:	□ N 🔽 S	□ E □ EW	√ □ sw □	NE 🗌 NW	
	Drasinitation			<b>—</b>	Clau	=				
	Precipitation:	<b>№</b> None	Light	I неаvy	Sky:	☐ Clear	Partly Clo	oudy   Clo	oudy	
Well Observa	<u>itions</u>									
		Well Pad		Good			Locks	Yes	No	
Casing			Good		Prot	ective Casing	X			
		ective Casing		Good			Well		Х	
Ref	erence Mark/I	dentification		Yes						
Groundwater	r Level Measur	rements			Stati	c Water Level	: 40.74	feet below To	OC .	
	Date/Time M	easured:	10/2/20	24 8:41		Total Depth	: 87.50	feet below To	OC	
					V	Vater Column	: 46.76	feet		
Purging Activ	ities									
	Purged By:		JC			Purge Date	: 10/2,	/2024		
Р	urge Method:	Bladde	r Pump		Well Diameter:	2"			•	
Pu	urge Volume C	alculation (L):	46.76 ft. x 4	6.76 = 1.03 L x 3 Vol.	= 3.09 L	*Based on Low	_ -Flow (3/8" disch	narge)		
	Actual Purg	ge Volume (L):	5.	00 L						
Physical	appearance of	purge water:	Clear		Odor:	None Color:		none		
	1		1	Specific		Dissolved	1	l		
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity		
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other	
8:41	0.0	208		•	purge start	time	•	•		
8:50	1.9	$\downarrow$	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 Act	ivitios									
Janipinig Act	Sampled By:	J	С	S	ample Date/Time:	10/2/2024	9:05			
Sar	mple Method:		Flow		ample Equipment:				•	
	e Parameters:	7.46	pH		Spec. Cond.	13.93	Temp	•		
	Field Filtered:	Yes	<b>-</b> '	e: In line disposa			<b>-</b> ·			
	Water Level:	40.82	feet below	TOC	Drawdown:	0.08	feet			
Observations	/Comments: (	i.e., equipment m	alfunctions. co	ntamination sources	sampling difficulties; du	plicate sample)				
	Field Meter:				F G G G	,p.c/				

Form Completed By: Ask Colp 10/2/2024 Date: ekiab inc. | 5445 Horseshoe Lake Road, Collinsville, IL 62234 | Phone: (618) 791-8119 | www.teklabinc.com

Project Name	Name: NEW- 24Q4				APW17				
Project Location: W.O. Number (s):			Netwon, IL			020			
			24091272			10/2,	10/2/2024		
Field Team M	1embers								
	Name:		Justin Colp		Affiliation:		TekLab, Inc.		
	Name:		Danny Crum	р	Affiliation:		TekLab, Inc.		•
Weather Con	ditions								•
weather Con	Temp:	58	°F		Wind Direction:	□ N 🔽 S	Пв Пвw	л Sw П	NE 🗆 NW
			_ '						
	Precipitation:	✓ None	Light [	Heavy	Sky:	☐ Clear	▼ Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations								
vven Observe	<u> </u>	Well Pad		Good			Locks	Yes	No
Casing			Good		Prote	ctive Casing	Х		
Protective Casing			Good			Well		Х	
Ref	ference Mark/I	· ·		Yes		•			•
_									
Groundwate	r Level Measur		10/2/202	0.40	Stati	c Water Level:	41.90	feet below To	
	Date/Time M	easurea:	10/2/2024	9:40		Nater Column:	Total Depth: 94.70 feet below TOC  Vater Column: 52.80 feet		
					V	water Column.	32.80	leet	
Purging Activ	<u>rities</u>								
	Purged By:		JC			Purge Date:	10/2	/2024	
	urge Method:		r Pump	_	Well Diameter:				
Pi	_			= 1.16 L x 3 Vol. =	3.48 L	*Based on Low-F	Flow (3/8" disch	narge)	
		ge Volume (L):							
Physical	appearance of	purge water:		Clear	Odor:	None	Color:	none	
				Specific		Dissolved			
	Cumulative	Purge Rate	рН	Conductivity	.0	Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
10:00	0.0	222		T .	purge start			1	
10:03	0.7	$\downarrow$	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 Act	tivities								
	Sampled By:	J	С	S	ample Date/Time:	10/2/2024	10:18		
Sai	mple Method:	Low	Flow		ample Equipment:	Bladder	Pump		•
Sampl	e Parameters:	6.91	рН	1,119.70	Spec. Cond.	15.09			
	Field Filtered:	Yes	Filter Type	: In line disposa	ble				
	Water Level:	41.90	feet below T	oc	Drawdown:	0.00	feet		
Observations	s/Comments: /	i.e., equinment m	alfunctions cont	amination sources s	ampling difficulties; du	olicate sample)			
	Field Meter:				announces, dup	sace sumple)			
·		.0000							
		(DM)							
	Completed By:	Mon	(dN)						
Form C	Completed By:	1 we	390			Date:	10/2	/2024	



Project Name	<b>:</b> :		NEW- 24C	<b>Q</b> 4		Mo	nitoring Point:	APV	V18
Project Locat	ion:		Netwon, l	L	•		Sample ID:	02	21
W.O. Numbe	r (s):		2409127	2	•		Date (s):	10/2,	/2024
Field Team M	lembers								
	Name:		Justin Col	р	Affiliation:		TekLab, Inc.		
	Name:		Danny Crur	mp	Affiliation:		TekLab, Inc.		•
Weather Con	ditions								
	Temp:	63	_°F		Wind Direction:	□ N 🔽 S	□ E □ EW	sw 🗆	NE 🗌 NW
	Precipitation:	<b>✓</b> None	☐ Light	☐ Heavy	Sky:	Clear	▼ Partly Clo	oudy 🔲 Clo	oudy
Well Observa	tions								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prot	tective Casing	Х	
	Prot	ective Casing		Good			Well		Х
Ref	erence Mark/I	dentification		Yes					
Groundwater	· Level Measur	rements			Stati	c Water Level	l: 52.36	feet below To	OC.
<u>Groundwater</u>	Date/Time M	<u>_</u>	10/2/202	24 10:55	Stati	Total Depth		feet below To	
	Bate, Time IVI	cusur cu.	10/2/201	10.55	V	Water Column		feet	
Purging Activ	ities								
<u> </u>	Purged By:		JC			Purge Date	: 10/2,	/2024	
P	urge Method:		er Pump		Well Diameter:	_		'	•
Pu	urge Volume C	alculation (L):	30.34 ft. x 30	 ).34 = 0.67 L x 3 Vol	. = 2.01 L	*Based on Low	<del></del> y-Flow (3/8" disch	arge)	
	_	ge Volume (L):		00 L	_				
Physical	appearance of	purge water:		Clear	Odor:	None	Color:	none	
	I			Specific		Dissolved			
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
10:56	0.0	240		, , ,	purge start				
11:03	1.7	$\downarrow$	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	
			L	l			L	l	
Sampling Act			10			40/2/202	44.24		
Cor	Sampled By:		IC Flow		sample Date/Time: ample Equipment:	10/2/202	4 11:21 er Pump		•
	mple Method: e Parameters:	7.05	pH	— 971.80	Spec. Cond.	15.46		-	
•	Field Filtered:	Yes	_ '	e: In line disposa		13.40	_Temp		
	Water Level:	52.49	feet below		Drawdown:	0.13	feet		
Observations	/Comments: /	i e equinment m	nalfunctions co	ntamination sources	sampling difficulties; dur	nlicate sample)			
	Field Meter:			.ca.iiiiacion sources, s	ampining amricultics, dup	ssate sample)			

Form Completed By: Date: 10/2/2024

Project Name	oject Location:			NEW- 24Q4 Netwon, IL		Mon	itoring Point: Sample ID:		V19S
W.O. Numbe			24091272		•		Date (s):		/2024
Field Team M	<u>lembers</u> Name: Name:		Brett Gilliha		Affiliation:		TekLab, Inc. TekLab, Inc.		
Weather Con	ditions								
	Temp:	61	_°F		Wind Direction:	□ N ▼ S	□ E □ EW	/ □ sw □	NE NW
	Precipitation:	✓ None	Light	Heavy	Sky:	<b>✓</b> Clear	Partly Clo	oudy $\square$ Clo	oudy
Well Observa	ntions_								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ctive Casing	Х	
		ective Casing		Good			Well		Х
Ref	erence Mark/I	dentification		Yes					
Groundwate	oundwater Level Measurements  Date/Time Measured:		10/7/202	4 10:05		c Water Level: Total Depth: Vater Column:	20.34	feet below To	
						vater colaiiiii.	11.71		
P	Purged By: Purge Method: Purge Volume Calculation (I Actual Purge Volume (				Well Diameter: . = 0.78 L	Purge Date: 2" *Based on Low-		/2024 harge)	
	Actual Purge Volume Physical appearance of purge water			50 L					
Physical	appearance of	purge water:		Clear	Odor:	None	Color:	None	·
Dunna Tima	Cumulative	Purge Rate	pH	Specific Conductivity	T (°C)	Dissolved Oxygen	ORP	Turbidity	Oth - "
Purge Time	Purge Vol.(L)		(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
10:16	0.0	132	6.40	5 220 20	purge start		06.20	16.03	
10:23	0.9	$\downarrow$		5,238.30	18.93	1.64	-96.30	16.93	
10:26	1.3 1.7		6.40	5,187.70	19.08 19.00	1.96	-88.30	9.25	
10:29			6.40	5,153.50	19.09	2.05	-82.60 76.60		
10:32	2.1		-	5,131.40		2.04	-76.60	7.85	
10:35	2.5		6.39	5,119.00	19.15	2.02	-72.90	8.04	
Sampling Act	Sampled By:		С		ample Date/Time:	10/7/2024			
	nple Method:		Flow		ample Equipment:	Peristalt		=	
•	e Parameters:		_pH 	5,119.00	Spec. Cond.	19.15	Temp		
	Field Filtered: Water Level:		feet below	e: In line disposa TOC	Drawdown:	3.45	feet		
	<b>s/Comments:</b> ( Field Meter:		nalfunctions, cor	ntamination sources,	sampling difficulties; du	plicate sample)			
Form C	ompleted By:	But I	Ildi			Date:	10/7	/2024	

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Project Name	e:		NEW- 24Q4		Monitoring Point: A				
Project Locat	ion:		Netwon, IL		•		Sample ID:	02	23
W.O. Numbe	er (s):		24091272		•		Date (s):	10/2/	/2024
Field Team N	<u>lembers</u>								
	Name:		Brett Gillihar		Affiliation:		TekLab, Inc.		
	Name:		Tracy Carrol	<u> </u>	Affiliation:		TekLab, Inc.		
Weather Cor	nditions								
	Temp:	65	_°F		Wind Direction:	□ N 🔽 S	□ E □ EW	∕ □ sw □	NE NW
	Precipitation:	<b>✓</b> None	☐ Light ☐	Heavy	Sky:	<b>☑</b> Clear	Partly Clo	oudy 🔲 Clo	udy
Well Observa	ations								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	Х		
		ective Casing		Good			Х		
Ref	erence Mark/I	dentification		Yes					
Groundwate	r Level Measu	rements			Stati	c Water Level:	19.33	feet below To	OC .
	Date/Time M		10/2/2024	13:05		Total Depth:	27.40	feet below To	
	- <b> </b>				V	Vater Column:	8.07	feet	
Purging Activ	vities								
<u></u>	Purged By:		BG			Purge Date:	10/2	/2024	
Р	urge Method:	Peristal	tic Pump		Well Diameter:				
Pt	urge Volume C	alculation (L):	8.07 ft. x 8.07	= 0.18 L x 3 Vol. =	0.54 L	*Based on Low-F	Flow (3/8" disc	harge)	
	Actual Purg	ge Volume (L):	1.50	L					
Physical	appearance of	purge water:	С	lear	Odor:	None	Color:	None	
				Specific		Dissolved		1	
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
13:04	0.0	35			purge start	time			
13:23	0.7	$\downarrow$	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 Act	tivities								
Jumping Act	Sampled By:	٦	ГС	S	ample Date/Time:	10/2/2024	13:47		
Sar	mple Method:		Flow	_	ample Equipment:	Peristalti			
	e Parameters:	6.87	pH	_	Spec. Cond.		Temp	-	
•	Field Filtered:	Yes	<b>-</b> '	In line disposa			•		
	Water Level:	20.91	feet below T	ос	Drawdown:	1.58	feet		
Observations	s/Comments:	i.e., equipment n	nalfunctions, cont	amination sources	sampling difficulties; du	uplicate sample)			
	Field Meter:					sumpicj			

Form Completed By:

Date: 10/2/2024

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Project Name	e:		NEW- 24	Q4		Mon	nitoring Point:	APV	V21S
<b>Project Locat</b>	ion:		Netwon,	IL			Sample ID:	0:	24
W.O. Numbe	r (s):		2409127	72	•		Date (s):	10/2,	/2024
Field Team N	<u>lembers</u>								
	Name:		Tracy Car	roll	Affiliation:		TekLab, Inc.		-
	Name:		Brett Gilli	han	Affiliation:		TekLab, Inc.		
Weather Con	ditions								
	Temp:	64	_°F		Wind Direction:	□ N 🔽 S	□ E □ EW	sw 🗆	NE NW
	Precipitation:	<b>✓</b> None	☐ Light	☐ Heavy	Sky:	<b>✓</b> Clear	Partly Clo	oudy 🗖 Clo	oudy
Well Observa	ntions_							_	
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prot	ective Casing	Х	
	Prot	ective Casing		Good			Well		Χ
Ref	erence Mark/I	dentification		Yes					
Groundwater	r Level Measur	rements			Stati	c Water Level:	: 13.30	feet below To	OC
	Date/Time M	easured:	10/2/20	)24 12:18		Total Depth:	22.70	feet below To	OC
					V	Vater Column:	9.40	feet	
Purging Activ	<u>rities</u>								
	Purged By:		TC		_	Purge Date:	10/2	/2024	_
Р	urge Method:	Peristal	tic Pump		Well Diameter:	2"	_		
Pi	_		1	= 0.21 L x 3 Vol. = 0.	63 L	*Based on Low-	Flow (3/8" disch	narge)	
		ge Volume (L)		.50 L	<u>.</u>				
Physical	appearance of	purge water:		Clear	Odor:	None	Color:	None	-
				Specific		Dissolved			
	Cumulative	Purge Rate	рН	Conductivity	.0 .	Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
12:20	0.0	161			purge start		1		
12:30	1.6	$\downarrow$	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 Act	ivities								
	Sampled By:	-	тс	S	Sample Date/Time:	10/2/2024	12:48		
Sar	mple Method:	Low	Flow	S	ample Equipment:	Peristalt	tic Pump		•
Sampl	e Parameters:	7.01	рН	1,231.90	Spec. Cond.	18.42	Temp	-	
	Field Filtered:	Yes	Filter Ty	pe: In line disposa	ble				
	Water Level:	13.87	feet below	V TOC	Drawdown:	0.57	feet		
Observations	/Comments:	i.e., equipment m	nalfunctions, co	ontamination sources.	sampling difficulties; dup	olicate sample)			
	Field Meter:				, 0:, aup				
		-							

Form Completed By: Date: 10/2/2024

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Project Name	e:		NEW- 24	Q4		Mor	nitoring Point:	APW	/22S
Project Locat	tion:		Netwon,	, IL	•		Sample ID:	02	25
W.O. Numbe	er (s):		240912	72	<del>.</del>		Date (s):	10/2/	/2024
Field Team N	<u>lembers</u>								
	Name:		Brett Gilli	han	Affiliation:		TekLab, Inc.		
	Name:		Tracy Car	roll	Affiliation:		TekLab, Inc.		
Weather Cor	ditions								
weather cor	Temp:	63	°F		Wind Direction:	□ N ▼ S	□ F □ FW	□ sw □	NF 🗆 NW
	remp.		- '		Willa Bir Cetion.			_ 3	
	Precipitation:	<b>✓</b> None	☐ Light	☐ Heavy	Sky:	<b>✓</b> Clear	Partly Clo	udy 🗖 Clo	oudy
Well Observa	ations						i		
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ective Casing	Х	
		ective Casing		Good			Well		Х
Ref	erence Mark/I	Identification		Yes					
Groundwate	r Level Measu	rements			Stati	c Water Level	: 9.26	feet below To	OC.
<u> </u>	Date/Time M		10/2/20	024 11:37	Stati	Total Depth		feet below To	
	- <b></b>				V	Vater Column		feet	
	•••							•	
Purging Activ			D.C.			Durgo Dato	. 10/2	/2024	
n	Purged By:		BG Itic Pump		Well Diameter:	Purge Date	10/2/	/2024	
	Purge Method: Peris Purge Volume Calculation (		-	 16 99 - 0 37 L v 3 Vol			<del>-</del> -Flow (3/8" disch	arao)	
r	_	ge Volume (L)		.00 L	. – 1.11 L	Daseu on Low	-1 10W (3/0 UISCI	iai ye)	
Physical	appearance of			Clear	- Odor:	None	Color:	None	
- Trysical	appearance or	puige water.					_	Hone	i
	6 []			Specific		Dissolved	000	<b>T</b> 1000	
Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Conductivity (µS/cm)	Temp (°C)	Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:28	0.0	115	(3.0.)	(μ3/ cm)	purge start		(1117)	(1410)	Other
11:42	1.6		6.06	6,557.80	17.60		-26.80	22.06	
		<b>V</b>	-			1.74			
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 Act	tivities								
	Sampled By:	-	TC	S	Sample Date/Time:	10/2/2024	11:54		
Saı	mple Method:		Flow		ample Equipment:		tic Pump		
Sampl	e Parameters:	6.12	рН	6,823.60	Spec. Cond.	18.34	Temp	•	
	Field Filtered:	Yes	– Filter Ty	pe: In line disposa	ble		_		
	Water Level:	11.20	feet below	v TOC	Drawdown:	1.94	feet		
Observations	s/Comments:	(i.e., equipment n	nalfunctions. c	contamination sources.	sampling difficulties; du	plicate sample)			
	Field Meter:		,		,	. ,			
•									
		4							
_		Juan	Carrol	Q			!-	/2024	
Form C	completed By:		7			Date	: 10/2	/2024	

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Project Name Project Locat W.O. Numbe	ion:	NEW- 24Q4         Monitoring Point:           Netwon, IL         Sample ID:           24091272         Date (s):					026		
Field Team IV	lembers								
	Name:		Brett Gillihan	1	Affiliation:		TekLab, Inc.		
	Name:		Tracy Carroll		Affiliation:		TekLab, Inc.		
Weather Con	ditions								
weather con	Temp:	60	°F		Wind Direction:	□ N 🔽 S	□ E □ EW	/ □ sw □	NE 🗆 NW
	Precipitation:	<b>▼</b> None	☐ Light ☐	Heavy	Sky:	<b>☑</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	tions								
		Well Pad		Good		•	Locks	Yes	No
		Casing		Good		Prote	ctive Casing	Х	
Pot	Prot  /erence Mark	ective Casing		Good Yes		ı	Well		Χ
	erence wiarky	identification	-	163		,			
Groundwater	Level Measu				Stati	c Water Level:		feet below T	
	Date/Time M	easured:	10/2/2024	9:50	•	Total Depth:	46.02	feet below To	OC
					\	Water Column:	30.43	feet	
Purging Activ	<u>ities</u>								
	Purged By:		BG		•	Purge Date:	10/2	/2024	-
	urge Method:		tic Pump	=	Well Diameter:	2"	•		
Pi				3 = 0.67 L x 3 Vol	. = 2.01 L	*Based on Low-I	Flow (3/8" disch	harge)	
		ge Volume (L):			•				
Physical	appearance of	purge water:	C	lear	Odor:	None	. Color:	None	•
				Specific		Dissolved			
	Cumulative	Purge Rate	рН	Conductivity	.0	Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
9:50	0.0	146		T	purge start			T	
10:01	1.7	$\downarrow$	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 Act	ivities								
	Sampled By:		C	-	sample Date/Time:	10/2/2024	10:31		-
	mple Method:		Flow	_	ample Equipment:	Peristalti		_	
•	e Parameters:	7.22 Vas	pH Filter Types		Spec. Cond.	18.47	Temp		
	Field Filtered: Water Level:	Yes 15.82	feet below TO	In line disposa	Drawdown:	0.23	feet		
	vvater Level.	13.02	iset below IC		Di awuowii.	0.23	icci		
	<b>/Comments:</b> ( Field Meter:		alfunctions, conta	mination sources, s	ampling difficulties; du	olicate sample)			
		1	C 60						
Form C	ompleted By:	Luany	Tarrote			Date:	10/2	/2024	_

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Project Name	e:		NEW- 24	Q4	_	Mor	itoring Point:	APV	/23S
<b>Project Locat</b>	ion:		Netwon,	IL	_		Sample ID:	02	27
W.O. Numbe	r (s):		2409127	'2	•		Date (s):	10/2,	/2024
Field Team N	<u>1embers</u>								
	Name:		Brett Gillil	nan	Affiliation:		TekLab, Inc.		
	Name:		Tracy Car	roll	Affiliation:		TekLab, Inc.		
Weather Con	ditions								
	Temp:	60	_°F		Wind Direction:	□ N 🔽 S	□ E □ EW	sw 🗆	NE 🗌 NW
	Precipitation:	<b>✓</b> None	Light	☐ Heavy	Sky:	<b>☑</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations .								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ective Casing	Χ	
		ective Casing		Good			Well		Χ
Ref	erence Mark/I	dentification	1	Yes					
Groundwate	r Level Measu	rements			Stati	c Water Level	: 7.79	feet below To	OC
	Date/Time M	easured:	10/2/20	9:11		Total Depth	22.40	feet below To	C
					V	Vater Column	: 14.61	feet	
Purging Activ	rities_								
	Purged By:		BG			Purge Date	: 10/2,	/2024	
Р	urge Method:	Peristal	tic Pump		Well Diameter:	2"			
Pι	ırge Volume C	alculation (L):	14.61 ft. x 1	4.61 = 0.32 L x 3 Vo	. = 0.96 L	*Based on Low	_ -Flow (3/8" disch	narge)	
	Actual Purg	ge Volume (L):	3	.50 L	_				
Physical	appearance of	purge water:		Clear	Odor:	None	_ Color:	None	
				Specific		Dissolved			
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
9:12	0.0	135			purge start	time			
9:26	1.9	$\downarrow$	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 Act	ivities								
ounipinig / tec	Sampled By:	7	ГС	S	Sample Date/Time:	10/2/2024	9:38		
Sar	mple Method:		Flow		ample Equipment:		tic Pump		ı
Sample	e Parameters:	6.93	рН	2,703.50	Spec. Cond.	18.93	Temp	•	
•	Field Filtered:	Yes	<b>-</b> '	pe: In line disposa	ble		_		
	Water Level:	10.15	feet below	, TOC	Drawdown:	2.36	feet		
Observations	/Comments:	i.e., equipment n	nalfunctions, c	ontamination sources,	sampling difficulties; du	plicate sample)			
·	Field Meter:		, -		. 5	. r -/			
		0 111	1/1 1.						

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Date:

10/2/2024

Project Name	ion:		NEW- 24Q4 Netwon, IL 24091272			Monitoring Point: Sample ID: Date (s):			G104 028 10/7/2024	
W.O. Numbe	r (S):		24091272				Date (s):	10/7/	72024	
Field Team N	Name:		Justin Colp Danny Crump	)	Affiliation:		TekLab, Inc.			
Weather Con	ditions									
	Temp:	59	°F		Wind Direction:	□ N 🔽 S	□ E □ EW	SW 🗆	NE NW	
	Precipitation:	<b>✓</b> None	Light [	Heavy	Sky:	<b>☑</b> Clear	Partly Clo	oudy 🔲 Clo	oudy	
Well Observa	ations .									
		Well Pad		Good		<u>-</u>	Locks	Yes	No	
		Casing		Good		Prote	ective Casing	Х		
		ective Casing		Good		<u>-</u>	Well		Χ	
Ref	ference Mark/I	dentification		Yes		-				
Groundwate	r Level Measur	ements			Stat	ic Water Level:	9.46	feet below To	nc	
Groundwate	Date/Time M		10/7/2024	9:56	Stat	Total Depth:		feet below To		
	Date, Time IV	cusui cu.	10///2021	3.30		Water Column:		feet		
Purging Activ							10/7	10.00		
	Purged By:		r Pump		Mall Diameters	Purge Date:	10///	/2024	i	
	urge Method:			- 0.741 234-1	Well Diameter:		- 			
Purge Volume Calculation (I Actual Purge Volume (					2.22 L	Basea on Low-	Flow (3/8" disch	iarge)		
Physical	appearance of			lear	Odor:	None	Color:	nono		
Filysical	appearance or	puige water.			. Odor.	NOTIC		TIOTIC		
				Specific		Dissolved				
Duna Tina	Cumulative	Purge Rate	pH (C.L.)	Conductivity	Temp (°C)	Oxygen	ORP	Turbidity	Othor	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)		(mg/L)	(mV)	(NTU)	Other	
9:57	0.0	174	6.76	4.424.60	purge start	T .	402.70	27.00		
10:05	1.4	$\downarrow$	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 Act	ivitios									
Sampling Act	Sampled By:	ı	С	c	ample Date/Time:	10/7/2024	10:20			
Sai	mple Method:		Flow	-	ample Equipment:					
	e Parameters:	6.71	pH	_	Spec. Cond.	17.84	Temp	•		
•	Field Filtered:	Yes	• *	In line disposa						
	Water Level:	10.45	feet below To		Drawdown:	0.99	feet			
Observations	/Commonstate		-16			- Parks - L.Y				
			airunctions, cont	amination sources,	sampling difficulties; du	upiicate sample)				
•	Field Meter:	43303								
		Min	(al N)							
Form C	Completed By:	1 we	240	-		Date:	10/7,	/2024		

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<b>Project Name</b>	e:		NEW- 24Q4					04D	
<b>Project Locat</b>	ion:		Netwon, IL		•		Sample ID:	02	29
W.O. Numbe	er (s):		24091272				Date (s):	10/1/	/2024
Field Team N	<u>lembers</u>								
	Name:		Tracy Carroll		Affiliation:		TekLab, Inc.		_
	Name:				Affiliation:				
Weather Cor	nditions								
	Temp:	73	°F		Wind Direction:	□ N 🔽 S	□ E □ EW	√ □ sw □	NE 🗌 NW
	Precipitation:	<b>✓</b> None	☐ Light ☐	Heavy	Sky:	☐ Clear	▼ Partly Clo	oudy $\square$ Clo	oudy
Well Observa	ations								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ctive Casing	Х	
	Prot	ective Casing		Good		-	Well		Х
Ref	ference Mark/I	Identification		Yes		<u>.</u>			
Groundwate	r Level Measu	rements			Stat	ic Water Level:	49.91	feet below To	OC .
	Date/Time M		10/1/2024	11:04		Total Depth:	88.80	feet below To	oc
	·				`	Water Column:		feet	
Purging Activ	<u>rities</u>								
	Purged By:				i	Purge Date:			-
P	urge Method:			_	Well Diameter:		•		
P	urge Volume C	alculation (L):				*Based on Low-	Flow (3/8" disch	harge)	
	Actual Pur	ge Volume (L):		L					
Physical	appearance of	purge water:			Odor:		Color:		
				Specific		Dissolved			
	Cumulative	Purge Rate	pН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
	0.0				purge star	time			
Sampling Act	tivities								
	Sampled By:			S	ample Date/Time:				
Sa	mple Method:			- S	ample Equipment:				•
	e Parameters:		pH	-	Spec. Cond.		Temp	=	
	Field Filtered:		Filter Type:		, <b>- - - - - - - - - -</b>				
	Water Level:		feet below TO		Drawdown:		feet		
Observations	s/Comments: (	i.e., equipment m	alfunctions, conta	mination sources,	sampling difficulties; du	ıplicate sample)			
•	Field Meter:								
	Depth to wat	er only, no stal	olization data						
		,,							
		Luany	Carroll						
Form C	Completed By:	Jung	5			Date:	10/1	/2024	



<b>Project Name</b>	Project Name: NEW- 24Q4						Moni	toring Point:	G1	04S
<b>Project Locat</b>	ion:		Netwon, IL					Sample ID:	03	30
W.O. Numbe	er (s):		24091272					Date (s):	10/1,	/2024
Field Team N	<u>lembers</u>									
	Name:		Tracy Carroll		Aff	iliation:		TekLab, Inc.		
	Name:		·		i.	iliation:				•
						•				•
Weather Cor										_
	Temp:	73	_°F		Wind Di	rection:	□ N 🔽 S	□ E □ EW	SW 🗆	NE NW
				_						
	Precipitation:	✓ None	Light	Heavy		Sky:	☐ Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations									
		Well Pad		Good				Locks	Yes	No
		Casing		Good			Prote	ctive Casing	Χ	
	Prot	ective Casing		Good				Well		Χ
Re	ference Mark/I	Identification		Yes						
Groundwato	r Level Measu	romonts				Ctati	c Water Level:	10.53	feet below To	<u> </u>
Giounuwate	Date/Time M		10/1/2024	11:03		Stati	Total Depth:	25.20	feet below To	
	Date/ IIIIe M	easureu.	10/1/2024	11.05		V	Water Column:		feet	JC
	ıroino Δctivities					V	vater column.	14.07	ieet	
<b>Purging Activ</b>	<u>vities</u>									
	Purged By:						Purge Date:			
P	urge Method:			_	Well Dia	ameter:				
Р	urge Volume C	alculation (L):					*Based on Low-F	Flow (3/8" disch	harge)	
	Actual Pur	ge Volume (L):		L	ı					
Physical	appearance of	purge water:				Odor:		Color:		
				Specific			Dissolved			
	Cumulative	Purge Rate	рН	Conductivity			Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp	(°C)	(mg/L)	(mV)	(NTU)	Other
	0.0				pu	rge start	time			
Sampling Act					amala Dat	- / <del>T</del> :				
C -	Sampled By:			_	ample Date					<u> </u>
	mple Method:		-11	_	ample Equi	•		<b>T</b>	-	
Sampi	e Parameters:		pH		Spec. Cond	J		Temp		
	Field Filtered:		Filter Type:							
	Water Level:		feet below TO	C	Drav	wdown:		feet		
Observations	s/Comments: (	i.e., equipment m	alfunctions, conta	mination sources,	sampling diffi	culties; du	plicate sample)			
•	Field Meter:									
•	Depth to wate	er only, no stal	blization data							
		•								
		Luany	Carroll					10/-	/2024	
Form C	Completed By:	_ (	7				Date:	10/1,	/2024	-



Project Name	lame: NEW- 24Q4 Monitoring Point: G105							.05	
Project Locati	ion:		Netwon,	IL	-		Sample ID:	03	31
W.O. Numbe	r (s):		2409127	<sup>7</sup> 2	-		Date (s):	10/7/	/2024
Field Team M	lembers Name: Name:		Justin Co		Affiliation:		TekLab, Inc.		
Weather Con	ditions								
weather con	Temp:	71	_°F		Wind Direction:	□ N ▼ S	□ E □ EW	sw 🗆	NE 🗌 NW
	Precipitation:	<b>✓</b> None	Light	☐ Heavy	Sky:	<b>▼</b> Clear	Partly Clo	oudy 🔲 Clo	udy
Well Observa	tions_							-	
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prot	ective Casing	Х	
		ective Casing		Good			Well		Χ
Ref	erence Mark/I	dentification		Yes					
Groundwater	Level Measur Date/Time M		10/7/20	13:20	_	c Water Level Total Depth Vater Column	: 25.80	feet below TO feet below TO feet	
<b>Purging Activ</b>	<u>ities</u>								
	_	Peristal alculation (L):		3.95 = 0.31 L x 3 Vo	Well Diameter: l. = 0.93 L		: 10/7, - -Flow (3/8" disch	/2024 parge)	
Physical a	Actual Purg appearance of	ge Volume (L) purge water:		.00 L 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	$\downarrow$	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 Act	Sampled By:		IC		Sample Date/Time:	10/7/2024	14:00		
	mple Method:		Flow		ample Equipment:		tic Pump	-	
	e Parameters: Field Filtered:	6.50 Yes	_ pH Eilter Tv	1,621.00 pe: In line disposa	Spec. Cond. ble	18.96	_Temp		
	Water Level:	13.80	feet below		Drawdown:	1.95	feet		
	/Comments: ( Field Meter:		nalfunctions, co	ontamination sources, s	sampling difficulties; dup	olicate sample)			

Form Completed By: Date: 10/7/2024

Project Name			NEW- 24Q4 Netwon, IL				106 32		
W.O. Numbe	r (s):		24091272				Date (s):	10/3	/2024
Field Team M	lembers								
	Name:		Justin Colp		Affiliation:		TekLab, Inc.		
	Name:		Danny Crum	)	Affiliation:		TekLab, Inc.		-
Weather Con	ditions								
	Temp:	73	°F		Wind Direction:	<b>▼</b> N □S	□ E □ EW	√ 🗆 sw 🗀	NE 🗆 NW
	•		=						
	Precipitation:	✓ None	Light	Heavy	Sky:	<b>▼</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	tions								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ctive Casing	Х	
		ective Casing		Good			Well		X
Refe	erence Mark/I	dentification		Yes					
Groundwater	Level Measu	rements			Statio	c Water Level:	25.00	feet below T	ОС
	Date/Time M	easured:	10/3/2024	12:35		Total Depth:	35.70	feet below T	ос
					V	Vater Column:	10.70	feet	
Purging Activ	ities								
	Purged By:		JC			Purge Date:	10/3	3/2024	_
	urge Method:		er Pump	=	Well Diameter:	2"	•		-
Pu				= 0.24 L x 3 Vol. =	0.72 L	*Based on Low-	Flow (3/8" disc	harge)	
		ge Volume (L):							
Physical a	ppearance of	purge water:	Slightl	y cloudy	Odor:	None	Color:	none	<del>-</del>
				Specific		Dissolved			
D T'	Cumulative	Purge Rate	pH (C.L.)	Conductivity	T (°C)	Oxygen	ORP	Turbidity	Other
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
12:35	0.0	150	6.50	2 500 20	purge start		24.00	4.42.22	
12:42	1.1	$\downarrow$	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 Act	<u>ivities</u>								
-	Sampled By:	J	IC	S	ample Date/Time:	10/3/2024	13:15		
San	nple Method:	Low	Flow	S	ample Equipment:	Bladder	Pump		-
Sample	Parameters:	6.36	рН	2,431.40	Spec. Cond.	15.21	Temp		
I	Field Filtered:	Yes		In line disposa					
	Water Level:	25.50	feet below To	OC	Drawdown:	0.50	feet		
Observations	/Comments:	i.e., equipment m	nalfunctions, conta	amination sources.	sampling difficulties; dup	olicate sample)			
	Field Meter:		,	-,-		. ,			

Form Completed By: \_\_\_\_\_ Colp. Date: 10/3/2024

<b>Project Name</b>	e:		NEW- 24Q4				Moni	toring Point:	G1	.09
Project Locat	tion:		Netwon, IL		1			Sample ID:	0:	33
W.O. Numbe	er (s):		24091272					-	i e	/2024
Field Team N	<u>/lembers</u>									
	Netwon, IL   Netwon, IL   Netwon, IL   Netwon, IL   Netwon, IL   No. Number (s): 24091272									
	Name:				Affiliatio	n:				
Weather Cor	nditions									
		73	°F		Wind Directio	n:	□N □S	□ E □ EW	√ □ sw □	NE 🗌 NW
	Precipitation:	<b>✓</b> None	☐ Light ☐	Heavy	Sk	κy:	☐ Clear 「	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations									
	<u></u>	Well Pad		Good				Locks	Yes	No
		Casing		Good			Prote	ctive Casing	Х	
	Prot	_		Good		_		Well		Х
Re		_		Yes						
Groundwate	r Level Measur	rements			St	atic	Water Level:	11.03	feet below To	OC .
			10/1/2024	12:04					_	
						W			_	
Purging Activ	<u>/ities</u>									
	Purged By:						Purge Date:			_
F	urge Method:			_	Well Diamete	er:				
Р	urge Volume C	alculation (L):				*	Based on Low-F	Flow (3/8" disch	harge)	
	Actual Purg	ge Volume (L):		L						
Physical	appearance of	purge water:			Odo	or: _		Color:		·
				Specific			Dissolved			
	Cumulative	Purge Rate	рН	Conductivity			Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C	<b>:</b> )	(mg/L)	(mV)	(NTU)	Other
	0.0				purge st	art t	ime			
Sampling Act	tivities									
	Sampled By:			S	ample Date/Tim	e:				
Sa	mple Method:			S	ample Equipmer	nt:				-
Sampl	le Parameters:		рН	_	Spec. Cond.			Temp	_	
	Field Filtered:		Filter Type:		•					
	Water Level:		feet below TO	OC .	Drawdow	n:		feet		
Observations	s/Comments: (	i.e., equipment ma	alfunctions, conta	mination sources,	sampling difficulties;	dupl	licate sample)			
•	Field Meter:				-					
•	Depth to wate	er only, no stal	olization data							
		Luany	Carroll							
Form (	Completed By:	_	)				Date:	10/1,	/2024	



Project Name	e:		NEW- 24Q4			Mon	itoring Point:	G1	111
<b>Project Locat</b>	ion:		Netwon, IL			0	34		
W.O. Numbe	er (s):		24091272				Date (s):	10/1	/2024
Field Team N	<u>lembers</u>								
	Name:		Tracy Carroll		Affiliation:	:	TekLab, Inc.		
	Name:				Affiliation:				•
					•				·
Weather Cor									_
	Temp:	73	°F		Wind Direction:		L E L EW	/ L SW L	NE L NW
	Precipitation:	✓ None	Light	Heavy	Sky:	□ Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations .								
		Well Pad		Good		_	Locks	Yes	No
		Casing		Good		Prote	ective Casing	Χ	
	Prot	ective Casing		Good		_	Well		Х
Re	ference Mark/I	dentification		Yes		<del>-</del> -			
	_								
<u>Groundwate</u>	r Level Measur				Stat	ic Water Level:		feet below T	
	Date/Time M	easured:	10/1/2024	11:06		Total Depth:		feet below T	DC
						Water Column:	11.94	feet	
Purging Activ	<u>rities</u>								
	Purged By:					Purge Date:			
P	urge Method:				Well Diameter:	:			•
Р	urge Volume C	alculation (L):		•		*Based on Low-	<del>-</del> -Flow (3/8" discl	harge)	
		ge Volume (L):		L		_			
Physical	appearance of	purge water:			Odor:	:	Color:		
	1		1	Specific		Dissolved	_		'
	Cumulative	Purge Rate	pН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
	0.0	(,,	(6.6.)	(μο, σ)	purge star		(,	()	0 11101
	0.0				par 80 com				
Sampling Act	<u>tivities</u>								
	Sampled By:			S	ample Date/Time:				_
Sa	mple Method:			S	ample Equipment:			_	•
Sampl	e Parameters:		рН	•	Spec. Cond.		Temp	=	
	Field Filtered:		Filter Type:				_		
	Water Level:		feet below TO	C	Drawdown:	<u> </u>	feet		
			-						
		i.e., equipment m	alfunctions, conta	mination sources,	sampling difficulties; d	uplicate sample)			
	Field Meter:		lati arita a dara						
•	Depth to wate	er offiy, no sta	มแรสแบท ตลสล						
		1.	Carrido						
Form (	Completed By:	Juan	Carroll			Date:	10/1	/2024	
	,								_



<b>Project Name</b>	e:		NEW- 24Q4				Moni	toring Point:	G1	l12
<b>Project Locat</b>	ion:		Netwon, IL		•			Sample ID:	0:	35
W.O. Numbe	er (s):		24091272		•			-		/2024
Field Team N	/lembers									
	Netwon, IL   Netwon, IL   Netwon, IL   Netwon, IL   None   Sample ID:   0.35   10/1/2024									
						,				•
					•					
Weather Cor	nditions									_
	Temp:	74	_°F		Wind Di	rection:	$\square$ N $\square$ S	□ E □ EW	√ □ sw □	NE NW
	Precipitation:	✓ None	Light	Heavy		Sky:	☐ Clear 「	Partly Clo	oudy $\square$ Clo	oudy
Well Observa	ations									
		Well Pad		Good				Locks	Yes	No
		Casing		Good			Prote	ctive Casing	Х	
	Prot	ective Casing		Good			•	Well		Х
Re	ference Mark/I	Identification		Yes			•			
Cuarradinata	r Lovel Messy					Ctati	a Matar Laval	0.70	foot bolow T	00
Groundwate			10/1/2024	12.10		Stati			=	
	Date/Time M	easureu:	10/1/2024	13:18		١.			_	UC
						v	water Columni.	13.04	leet	
Purging Activ	<u> /ities</u>									
	Purged By:						Purge Date:			-
P	urge Method:			_	Well Dia	ameter:				
Р	urge Volume C	alculation (L):					*Based on Low-F	Flow (3/8" disch	harge)	
	Actual Pur	ge Volume (L):		L	•					
Physical	appearance of	purge water:				Odor:		Color:		_
			1	Specific			Dissolved		1	I
	Cumulative	Purge Rate	рН	•				ORP	Turbidity	
Purge Time	Purge Vol.(L)	_	-		Temp	(°C)		(mV)	-	Other
	0.0			•	pu	rge start	time		•	
		I	ı							I
Sampling Act				_						
	· · · · · · · · · · · · · · · · · · ·				-					-
	•			S	-				-	
Sampl			• *		Spec. Con	d.		Temp		
	Field Filtered:		•							
	Water Level:		feet below TO	OC .	Drav	wdown:		feet		
Observations	s/Comments: (	i.e., equipment m	alfunctions, conta	mination sources,	sampling diffi	culties; du	plicate sample)			
	Field Meter:		,	•		•	. ,			
•	Depth to wat	er only, no stal	blization data							
		Luany	Carroll					- •	/a.a.a -	
Form C	Completed By:		7				Date:	10/1,	/2024	_



Project Name	e:		NEW- 24Q4			Mo	onitoring Point:	G1	113
<b>Project Locat</b>	ion:		Netwon, IL				Sample ID:	0:	36
W.O. Numbe	er (s):		24091272				Date (s):	10/1	/2024
Field Team N	<u>lembers</u>								
	Name:		Tracy Carroll		Affiliation	n:	TekLab, Inc.		
	Name:				Affiliation	n:			•
					•				·
Weather Cor			_						_
	Temp:	71	°F		Wind Direction	n:	S $\square$ E $\square$ EW	/ $\square$ SW $\square$	NE NW
	Precipitation:	✓ None	Light	Heavy	Sky	y: 🗌 Clear	Partly Clo	oudy 🗌 Clo	oudy
Well Observa	ations								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		 Pro	tective Casing	Х	
	Prot	ective Casing		Good		<del>_</del>	Well		Х
Re	ference Mark/I	dentification		Yes					
<u>Groundwate</u>	<u>r Level Measu</u>				Sta	atic Water Leve		feet below To	
	Date/Time M	easured:	10/1/2024	10:13		Total Dept		feet below To	OC
						Water Colum	n: <u>10.56</u>	_feet	
Purging Activ	vities								
	Purged By:					Purge Dat	e:		
Р	urge Method:				Well Diamete	_			-
	urge Volume C	alculation (L):		=			— w-Flow (3/8" disci	harge)	
		ge Volume (L):		L		_	·	0 /	
Physical	appearance of	-			Odo	r:	Color:	<u>'</u>	
,	· ·					-	<u> </u>		•
	C as last a	D D.I.		Specific		Dissolved	000	<b>=</b> 3.030	
D Time	Cumulative	Purge Rate	pH (C.L.)	Conductivity	Temp (°C)	Oxygen	ORP	Turbidity	Other
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)			(mV)	(NTU)	Other
	0.0		1		purge sta	irt time			
Sampling Act	ivities								
	Sampled By:			S	ample Date/Time	2:			
Sa	mple Method:				ample Equipmen				-
	e Parameters:		рН		Spec. Cond.	··-	Temp	_	
33	Field Filtered:		Filter Type:			-			
	Water Level:		feet below TO	)C	Drawdowi	<del>_</del> n:	feet		
	water zeven		- receibelow re		Diawaew.				
Observations	s/Comments: (	i.e., equipment m	alfunctions, conta	mination sources,	sampling difficulties;	duplicate sample)			
•	Field Meter:								
•	Depth to wate	er only, no sta	blization data						
		•	$\bigcirc$						
		Turany	Carroll				401	/2024	
Form C	Completed By:	(	7			Dat	e:10/1	/2024	_



<b>Project Name</b>	e:		NEW- 24Q4			Me	onitoring Point:	: G1	114
<b>Project Locat</b>	tion:		Netwon, IL		1		Sample ID:	0.	37
W.O. Numbe	er (s):		24091272				Date (s):		/2024
Field Team N	<u>/lembers</u>								
	Name:		Tracy Carroll		Affiliatio	n:	TekLab, Inc.		
	Name:				Affiliatio	n:			- -
Weather Cor	nditions								
	Temp:	73	°F		Wind Directio	n: 🗆 N 🗀	S $\square$ E $\square$ EW	√ □ sw □	NE 🗌 NW
	Precipitation:	<b>✓</b> None	☐ Light ☐	Heavy	Sk	y: 🔲 Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations								
11011 0 000011	<u> </u>	Well Pad		Good			Locks	Yes	No
		Casing		Good		— Pro	otective Casing	Х	
	Prot	ective Casing		Good			Well		Х
Re	ference Mark/I	_		Yes		<u> </u>			<del>1</del>
Groundwate	r Level Measu	rements			St	atic Water Lev	el: 19.06	feet below T	OC
	Date/Time M		10/1/2024	11:52	-	Total Dept		feet below T	
						Water Colum		feet	
Purging Activ	<u>/ities</u>								
	Purged By:					Purge Dat	:e:		_
P	Purge Method:			_	Well Diamete	r:			-
Р	urge Volume C	alculation (L):				*Based on Lo	w-Flow (3/8" disc	harge)	
	Actual Pur	ge Volume (L):		L					
Physical	appearance of	purge water:			Odo	r:	Color:	:	-
				Specific		Dissolved			
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C	) (mg/L)	(mV)	(NTU)	Other
	0.0				purge sta	art time			
Sampling Act	tivities								
	Sampled By:			S	ample Date/Tim	e:			
Sa	mple Method:			<u> </u>	ample Equipmen	ıt:			-
Sampl	le Parameters:		рН	-	Spec. Cond.		Temp	_	
	Field Filtered:		Filter Type:						
	Water Level:		feet below TO	DC .	Drawdow	n:	feet		
Observations	s/Comments: (	i.e., equipment ma	alfunctions, conta	mination sources.	sampling difficulties;	duplicate sample)			
	Field Meter:	, , , , , , , , , , , , , , , , , , , ,		,	, g ,	, ,			
	Depth to wat	er only, no stal	olization data						
	·								
		Luany	Carroll						
Form (	Completed By:	0	1			Dat	e: 10/1	/2024	



<b>Project Name</b>	e:		NEW- 24Q4				Moni	toring Point:	G1	115
<b>Project Locat</b>	tion:		Netwon, IL		•			Sample ID:	0:	38
W.O. Numbe	er (s):		24091272		· ·			-		/2024
Field Team N	/lembers									
Project Location:       Netwon, IL       Sample ID:       O3         W.O. Number (s):       24091272       Date (s):       10/1/         Field Team Members         Name:       Tracy Carroll       Affiliation:       TekLab, Inc.         Name:       Tracy Carroll       Affiliation:       TekLab, Inc.         Weather Conditions         Temp:       73       °F       Wind Direction:       N S E E W SW       SW         Precipitation:       None       Light Heavy       Sky:       Clear Partly Cloudy       Cloudy       Cloudy         Well Observations       Well Pad       Good       Protective Casing Activite Casing Activities       Yes       Yes         Groundwater Level Measurements       Good       Total Depth:       19.60       feet below TO Yes         Purging Activities       Purge Date:										
					i.	,				•
						•				
Weather Cor	nditions									_
	Temp:	73	_°F		Wind Di	rection:	$\square$ N $\square$ S	□ E □ EW	√ □ sw □	NE NW
		_		_						
	Precipitation:	✓ None	Light	Heavy		Sky:	☐ Clear 「	Partly Clo	oudy $\square$ Clo	oudy
Well Observa	ations									
		Well Pad		Good				Locks	Yes	No
		Casing		Good			Prote	ctive Casing	Х	
	Prot	ective Casing		Good				Well		Х
Re	ference Mark/I	dentification		Yes						
Groundwato	r Lovel Measur	romonts				Stati	c Water Level:	9 7O	foot bolow To	<u> </u>
Giounuwate			10/1/2024	11.40		Stati			=	
	Date/ Time ivi	easureu.	10/1/2024	11.40	ı	١.			=	
						v	vater column:	10.50	-1000	
Purging Activ										
	Purged By:				ı		Purge Date:			_
P	Purge Method:			_	Well Dia	ameter:				
Р	urge Volume C	alculation (L):					*Based on Low-F	Flow (3/8" disch	harge)	
	Actual Purg	ge Volume (L):		L	i					
Physical	appearance of	purge water:				Odor:		Color:		
	T		1	Specific			Dissolved		1	<u> </u>
	Cumulative	Purge Rate	рН	Conductivity			Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	μS/cm)	Temp	(°C)	(mg/L)	(mV)	(NTU)	Other
	0.0				pui	rge start			1	
	•		•							
Sampling Act						<b></b>				
	Sampled By:			_	ample Date					<u>-</u>
	mple Method:			<u> </u>	ample Equi				_	
Sampl	le Parameters:		pH		Spec. Cond	d.		Temp		
	Field Filtered:		Filter Type:							
	Water Level:		feet below TO	OC .	Drav	wdown:		feet		
Observations	s/Comments: (	i.e., equipment m	alfunctions, conta	mination sources,	sampling diffi	culties; du	plicate sample)			
	Field Meter:									
•	Depth to wat	er only, no stal	blization data							
		•								
		Luany	Carroll						12024	
Form C	Completed By:	- (	7				Date:	10/1,	/2024	_



Project Name			NEW- 24			Mon	itoring Point:		.16
Project Locat			Netwon,				Sample ID:		39
W.O. Numbe	r (s):		2409127	72			Date (s):	10/8/	/2024
Field Team N	<u>lembers</u>								
	Name:		Brett Gilli	han	Affiliation:		TekLab, Inc.		<u>.</u>
	Name:		Tracy Car	roll	Affiliation:		TekLab, Inc.		
Weather Con	ditions								
	Temp:	66	°F		Wind Direction:	□ N 🔽 S	□ E □ EW	sw 🗆	NE 🗌 NW
	Precipitation:	<b>✓</b> None	Light	Heavy	Sky:	<b>☑</b> Clear	Partly Clo	udy 🔲 Clo	oudy
Well Observa	<u>itions</u>								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ective Casing	Х	
	Prot	ective Casing		Good			Well		Х
Ref	erence Mark/I	dentification		Yes					
Groundwater	r Level Measur	rements			Stati	c Water Level:	7.39	feet below To	OC
	Date/Time M		10/8/20	)24 12:21		Total Depth:	21.80	feet below To	OC
					·	Vater Column:		feet	
Purging Activ	rities								
	Purged By:		BG			Purge Date:	10/8,	/2024	
Р	urge Method:		tic Pump		Well Diameter:	2"			•
Pu	urge Volume C	alculation (L):	14.41 ft. x 1	4.41 = 0.32 L x 3 Vol	. = 0.96 L	*Based on Low-	- Flow (3/8" disch	narge)	
	Actual Purg	ge Volume (L):	4	.00 L					
Physical	appearance of	purge water:		Clear	Odor:	None	Color:	No ne	
	1			Specific		Dissolved			
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
12:25	0.0	200		-	purge start	time			
12:30	1.0	$\downarrow$	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 Act	ivitios								
Jamping Acc	Sampled By:	В	G	5	Sample Date/Time:	10/8/2024	12:45		
Sar	mple Method:		Flow		ample Equipment:	Peristalt			•
	e Parameters:	6.82	рН	836.90	Spec. Cond.	19.75	Temp	•	
· ·	Field Filtered:	Yes	Filter Ty	pe: In line disposa	ble		-		
	Water Level:	8.33	feet below	v TOC	Drawdown:	0.94	feet		
Observations	/Comments: (	i.e., equipment m	alfunctions, c	ontamination sources,	sampling difficulties; du	plicate sample)			
	Field Meter:		,	ŕ	,	. ,			

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10/8/2024

Project Name	e:		NEW- 24Q4				Mon	itoring Point:	G1	17
<b>Project Locat</b>	ion:		Netwon, IL		•			Sample ID:	04	40
W.O. Numbe	er (s):		24091272					Date (s):	10/1,	/2024
Field Team N	<u>lembers</u>									
	Name:		Brett Gillihan		Affiliati	on:		TekLab, Inc.		
	Name:				Affiliati	on:				•
					•					•
Weather Cor										_
	Temp:	74	°F		Wind Directi	on:	$\square$ N $\square$ S	□ E □ EW	√ □ SW □	NE NW
	Precipitation:	✓ None	Light	Heavy	Š	Sky:	☐ Clear	Partly Clo	oudy $\square$ Clo	oudy
Well Observa	ations .									
		Well Pad		Good				Locks	Yes	No
		Casing		Good			Prote	ective Casing	Х	
	Prot	ective Casing		Good				Well		Х
Re	ference Mark/I	dentification		Yes			•			
							•			
<u>Groundwate</u>	r Level Measui				Š	Stati	ic Water Level:		feet below To	
	Date/Time M	easured:	10/1/2024	12:53			Total Depth:		feet below To	OC
						١	Water Column:	4.93	feet	
Purging Activ	rities									
	Purged By:						Purge Date:			
Р	urge Method:				Well Diame	ter:	J			•
	urge Volume C	alculation (L):		-			*Based on Low-	- Flow (3/8" disch	harae)	
		ge Volume (L):		L				(0,0 0.00	3-7	
Physical	appearance of	-		_	Oc	dor:		Color:		
,	арреа. аее е.	bar Be mater.						-		-
				Specific			Dissolved			
	Cumulative	Purge Rate	pH (S.L.)	Conductivity	0	201	Oxygen	ORP	Turbidity	0.1
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)		°C)	(mg/L)	(mV)	(NTU)	Other
	0.0				purge s	start	time			
Sampling Act	ivities									
	Sampled By:			S	ample Date/Tir	me:				
Sa	mple Method:			-	ample Equipme					•
	e Parameters:		рН	-	Spec. Cond.			Temp	•	
33	Field Filtered:		Filter Type:							
	Water Level:		feet below TO		Drawdo	wn:	•	feet		
			-		2.4					
Observations	s/Comments: (	i.e., equipment m	alfunctions, conta	mination sources,	sampling difficultie	s; du	plicate sample)			
•	Field Meter:									
•	Depth to wate	er only, no sta	blization data							
		D 101-	MI							
F 4		But &	Med-				D-1	40/4	/2024	
Form C	Completed By:	1	*,c +-				Date:	10/1,	/2024	_



Project Name	e:		NEW- 24Q4			Mon	itoring Point:	G1	118
<b>Project Locat</b>	ion:		Netwon, IL		•		Sample ID:	04	41
W.O. Numbe	er (s):		24091272				Date (s):	10/1/	/2024
Field Team N	<u>lembers</u>								
	Name:		Brett Gillihan	l	Affiliation:		TekLab, Inc.		_
	Name:				Affiliation:				<u>'</u>
Weather Cor	nditions								
	Temp:	74	°F		Wind Direction:	□ N □ S	□ E □ EW	/ 🗆 sw 🗀	NE 🗌 NW
	Precipitation:	<b>✓</b> None	☐ Light ☐	Heavy	Sky:	☐ Clear	☐ Partly Clo	oudy $\square$ Clo	oudy
Well Observa	ations								
		Well Pad		Good		_	Locks	Yes	No
		Casing		Good		Prote	ective Casing	Х	
	Prot	ective Casing		Good		_	Well		Х
Re	ference Mark/I	dentification		Yes		-			
Groundwate	r Level Measui	rements			Stat	ic Water Level:	15.72	feet below TO	C
	Date/Time M	easured:	10/1/2024	12:41		Total Depth:	22.70	feet below To	C
					•	Water Column:	6.98	feet	
Purging Activ	<u>rities</u>								
	Purged By:					Purge Date:			_
	urge Method:			_	Well Diameter:		<u>-</u>		
Р	urge Volume C	alculation (L):				*Based on Low-	Flow (3/8" disch	harge)	
	Actual Pur	ge Volume (L):		L		_			
Physical	appearance of	purge water:			Odor:		Color:		
				Specific		Dissolved			
	Cumulative	Purge Rate	pН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
	0.0				purge star	t time			
Sampling Act	tivities								
	Sampled By:			S	ample Date/Time:				
Sa	mple Method:			S	ample Equipment:				ı
	e Parameters:		pH	-	Spec. Cond.		Temp	-	
	Field Filtered:		. · Filter Type:		, <b>'</b>		• '		
	Water Level:		feet below TO		Drawdown:	<del>-</del> 	feet		
Observations	s/Comments: (	i.e., equipment m	alfunctions, conta	mination sources,	sampling difficulties; du	uplicate sample)			
•	Field Meter:								
•	Depth to wate	er only, no stal	olization data						
	•	•							
		But Di	1						
Form (	Completed By:	They all	Mar			Date:	10/1	/2024	



Project Name	e:		NEW- 24Q4			Moı	nitoring Point:	G1	119
<b>Project Locat</b>	ion:		Netwon, IL		•		Sample ID:	0	42
W.O. Numbe	r (s):		24091272				Date (s):	10/1	/2024
Field Team N	<u>lembers</u>								
	Name:		Brett Gillihan		Affiliation	1:	TekLab, Inc.		
	Name:				Affiliation	ı:			•
					•				<u> </u>
Weather Cor			0						
	Temp:	73	_°F		Wind Direction	: L N L S	L E L EW	/ L SW L	NE L NW
		_		,	CI.		_	_	
	Precipitation:	✓ None	Light	Heavy	Sky	: Clear	☐ Partly Clo	oudy $\square$ Clo	oudy
Well Observa	ations .								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prot	ective Casing	Х	
	Prot	ective Casing		Good			Well		Х
Ref	ference Mark/I	dentification		Yes					
Groundwato	r Level Measui	romonts			C+2	tic Water Level	: 10.71	feet below T	00
Giodilawate	Date/Time M		10/1/2024	12:00	Sta	Total Depth		feet below T	
	Date/ Title IVI	easureu.	10/1/2024	12.00	•	Water Column		feet below i	
						Tracer column			
Purging Activ									
	Purged By:					Purge Date	: <u></u>		-
	urge Method:			-	Well Diameter	·:	_		
P	urge Volume C					*Based on Low	-Flow (3/8" disci	harge)	
		ge Volume (L):		L					
Physical	appearance of	purge water:			. Odor	·:	_ Color:		-
				Specific		Dissolved			T
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
	0.0				purge sta	rt time			
Canadia a Ast	ludat a a								
Sampling Act				c	ample Date/Time				
Ca	Sampled By:			-	•	-			-
	mple Method:		mil		ample Equipment	···	Tomos	-	
Sampi	e Parameters:		pH Filter Tunes		Spec. Cond.	-	_Temp		
	Field Filtered:		Filter Type: feet below TO		Drawdawa	<del>_</del>	foot		
	Water Level:		leet below it		Drawdown		_feet		
Observations	/Comments: (	i.e., equipment m	alfunctions, conta	mination sources,	sampling difficulties; d	duplicate sample)			
•	Field Meter:								
•	Depth to wat	er only, no sta	blization data						
		D IN	MI						
Fa 4	amminta i B	But &	Med			<b>5</b> . ·	. 40/4	/2024	
Form C	completed By:	1	*,c ÷			Date	: <u>1</u> 0/1	/2024	_



Project Name	e:		NEW- 24Q4				Moni	toring Point:	G1	120
Project Locat	ion:		Netwon, IL		•			Sample ID:	04	43
W.O. Numbe	er (s):		24091272					Date (s):	10/1,	/2024
Field Team M	<u>lembers</u>									
	Name:		Brett Gillihar	า	Aff	iliation:		TekLab, Inc.		
	Name:				Aff	iliation:				•
Masthau Cou										-
Weather Con	Temp:	73	°F		Wind Di	roction:	$\square$ N $\square$ S $\square$	П Е П ЕМ	/	NE I NIM
	remp.		• r		Willa Dii	ection.				INE   INV
	Precipitation:	<b>✓</b> None	Light [	Heavy		Sky:	☐ Clear ☐	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations									
		Well Pad		Good				Locks	Yes	No
		Casing		Good			Prote	ctive Casing	Х	
	Prot	ective Casing		Good				Well		X
Ref	ference Mark/	Identification		Yes						
Groundwate	r Level Measu	rements				Stati	c Water Level:	11.43	feet below To	OC
	Date/Time M		10/1/2024	12:07		o ta t.	Total Depth:	23.70	feet below To	
						٧	Water Column:	12.27	feet	
Purging Activ	<u>rities</u>									
	Purged By:						Purge Date:			_
Р	urge Method:			_	Well Dia	ameter:				-
P	urge Volume C	alculation (L):					*Based on Low-F	low (3/8" disci	harge)	
	Actual Pur	ge Volume (L):		L						
Physical	appearance of	purge water:				Odor:		Color:		<u>-</u>
				Specific			Dissolved			
	Cumulative	Purge Rate	рН	Conductivity			Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp	(°C)	(mg/L)	(mV)	(NTU)	Other
	0.0				pui	rge start	time			
Sampling Act	ivities									
Sumpling Acc	Sampled By:			S	ample Date	e/Time:				
Sai	mple Method:			_	ample Equi					-
	e Parameters:		pH	-	Spec. Cond			Temp	=	
	Field Filtered:		Filter Type:							
	Water Level:		feet below To		Drav	wdown:	· 	feet		
Observations	:/Comments:/	i e equinment m	alfunctions cont	amination sources,	samnling diffi	rulties: du	nlicate sample)			
	Field Meter:	, equipment in	ananctions, cont	arrimation sources, .	sampining anni	curries, uu	pricate sample,			
	Depth to wat	er only, no sta	blization data							
		But &	Mil							
Form C	Completed By:	Tim Di	Who -				Date:	10/1	/2024	_



Project Name			NEW- 24Q4				G125		
Project Locat			Netwon, IL				Sample ID:		44
W.O. Numbe	er (s):		24091272				Date (s):	10/7/	/2024
Field Team N									
	Name:		Justin Colp		Affiliation:		TekLab, Inc.		
	Name:		Danny Crum	р	Affiliation:		TekLab, Inc.		•
Weather Cor	nditions								
	Temp:	63	°F		Wind Direction:	□ N 🔽 S	□ E □ EW	/ 🗆 sw 🗀	NE NW
	Precipitation:	✓ None	Light [	Heavy	Sky:	<b>▼</b> Clear	Partly Clo	oudy 🗌 Clo	oudy
Well Observa	ations_								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ctive Casing	Х	
		ective Casing		Good			Well		X
Ref	erence Mark/I	dentification		Yes					
Groundwate	r Level Measu	rements			Stati	c Water Level:	3.93	feet below To	OC
	Date/Time M		10/7/2024	11:03		Total Depth:	22.80	feet below To	OC
					V	Vater Column:	18.87	feet	
Purging Activ	<u>rities</u>								
	Purged By:		JC			Purge Date:	10/7	/2024	
	urge Method:		tic Pump	_	Well Diameter:	2"			
Pu				87 = 0.42 L x 3 Vo	l. = 1.26 L	*Based on Low-i	Flow (3/8" disc.	harge)	
		ge Volume (L):							
Physical	appearance of	purge water:		lear	Odor:	None	Color:	none	
				Specific		Dissolved			
	Cumulative	Purge Rate	pH	Conductivity	T (90)	Oxygen	ORP	Turbidity	0.1
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
11:05	0.0	222	6.20	2 022 20	purge start		6.20	11.60	
11:08	0.7	$\downarrow$	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 Act	tivities								
	Sampled By:	J	IC	S	ample Date/Time:	10/7/2024	11:32		
Sar	mple Method:	Low	Flow	S	ample Equipment:	Peristalti	c Pump		•
Sampl	e Parameters:	6.35	рН		Spec. Cond.	18.98	Temp		
	Field Filtered:	Yes		: In line disposa					
	Water Level:	12.09	feet below T	oc	Drawdown:	8.16	feet		
Observations	s/Comments:	(i.e., equipment n	nalfunctions, cont	amination sources.	sampling difficulties; du	uplicate sample)			
	Field Meter:		-,	<del> /</del>	. 3	. r -/			

Form Completed By: Note Colp eklab inc. | 5445 Horseshoe Lake Road, Collinsville, IL 62234 | Phone: (618) 791-8119 | www.teklabinc.com

Project Name Project Locat W.O. Numbe	tion:		NEW- 240 Netwon, 2409127	IL	Monitoring Point: Sample ID: Date (s):			045	
w.o. Numbe	er (S):		2409127	2	•		Date (s):	10///	72024
Field Team N	<u>Name:</u> Name: Name:		Justin Col Danny Cru		Affiliation: Affiliation:		TekLab, Inc. TekLab, Inc.		
Weather Con	nditions								
	Temp:	66	_°F		Wind Direction:	□ N ▼ S	□ E □ EW	sw 🗆	NE 🗌 NW
	Precipitation:	✓ None	Light	☐ Heavy	Sky:	<b>✓</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations								
		Well Pad		Good			Locks	Yes	No
	<b>.</b> .	Casing		Good		Prote	ective Casing	Х	.,
Dof	Prot erence Mark/l	ective Casing		Good Yes			Well		X
Kei	erence mark/i	identification		163					
Groundwate	r Level Measu	rements			Stati	c Water Level:	: 2.85	feet below To	OC
	Date/Time M	easured:	10/7/20	24 11:44		Total Depth:		feet below To	C
					V	Vater Column:	: 27.35	feet	
Purging Activ	<u>rities</u>								
	Purged By:		JC			Purge Date:	:10/7	/2024	
	urge Method:				Well Diameter:	2"	_		
Pu	_			7.35 = 0.6 L x 3 Vol.	= 1.8 L	*Based on Low-	-Flow (3/8" disci	harge)	
		ge Volume (L):		00 L					
Physical	appearance of	purge water:		Clear	Odor:	None	_ Color:	none	
				Specific		Dissolved			
	Cumulative	Purge Rate	рН	Conductivity	_ (0.5)	Oxygen	ORP	Turbidity	
	Purge Vol.(L)		(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
11:45	0.0	200		T	purge start		1	1	
11:48	0.6	$\downarrow$	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 Act	tivities								
	Sampled By:	J	С	S	ample Date/Time:	10/7/2024	12:00		
Sar	mple Method:	Low	Flow		ample Equipment:	Peristalt	tic Pump		
Sampl	e Parameters:	6.40	рН	12,331.00	Spec. Cond.	17.91	Temp	-	
	Field Filtered:	Yes	Filter Typ	e: In line disposa	ble				
	Water Level:	6.43	feet below	TOC	Drawdown:	3.58	feet		
Observations	s/Comments:	(i.e., equipment m	nalfunctions, co	ntamination sources,	sampling difficulties; du	plicate sample)			
•	Field Meter:	45985							
		Mi-n-	(1.						
Form C	Completed By:	jush	wy			Date:	:10/7	/2024	

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Project Name			NEW- 240		Monitoring Point:				.30
Project Locat			Netwon,		<u>-</u>		Sample ID:		46
W.O. Numbe	r (s):		2409127	2	-		Date (s):	10/3,	/2024
Field Team N	<u>1embers</u>								
	Name:		Brett Gillih	ian	Affiliation:		TekLab, Inc.		
	Name:		Tracy Carr	oll	Affiliation:		TekLab, Inc.		•
Weather Con	ditions								
	Temp:	70	°F		Wind Direction:	▼ N □ S	□ E □ EW	sw 🗆	NE NW
	Precipitation:	<b>▼</b> None	Light	☐ Heavy	Sky:	<b>☑</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ective Casing	Χ	
	Prot	ective Casing		Good			Well		Χ
Ref	ference Mark/	Identification		Yes					
Groundwate	r Level Measur	rements			Stati	c Water Level:	8.59	feet below To	OC
	Date/Time M	easured:	10/3/20	24 13:07		Total Depth:	21.90	feet below To	OC
					·	Vater Column:	13.31	feet	
Purging Activ	rities .								
	Purged By:		BG			Purge Date:	10/3,	/2024	
P	urge Method:	Peristal	tic Pump		Well Diameter:	2"			•
P	urge Volume C	alculation (L):	13.31 ft. x 1	3.31 = 0.29 L x 3 Vol	. = 0.87 L	*Based on Low-	- Flow (3/8" disch	narge)	
	Actual Pur	ge Volume (L):	4.	00 L	_				
Physical	appearance of	purge water:		Clear	Odor:	None	Color:	None	
				Specific		Dissolved			
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
13:10	0.0	222			purge start	time	_		
13:19	2.0	$\downarrow$	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 Act	ivities								
	Sampled By:	Т	c	S	Sample Date/Time:	10/3/2024	13:28		
Sa	mple Method:		Flow		ample Equipment:	Peristalt			•
Sampl	e Parameters:	6.29	рН	11,456.00	Spec. Cond.	20.41	Temp	-	
	Field Filtered:	Yes	- Filter Typ	e: In line disposa	ble		•		
	Water Level:	8.62	feet below	тос	Drawdown:	0.03	feet		
Observations	/Comments: (	i.e., equipment ma	alfunctions, co	ntamination sources, s	ampling difficulties; dup	licate sample)			
•	Field Meter:	46868							

Form Completed By: Juany Carroll exiab inc. | 5445 Horseshoe Lake Road, Collinsville, IL 62234 | Phone: (618) 791-8119 | www.teklabinc.com 46 of 89

Date:

10/3/2024

Project Name Project Locat W.O. Numbe	ion:		NEW- 240 Netwon, 2409127	IL		Mon	nitoring Point: Sample ID: Date (s):	04	133 47 /2024
Field Team M	<u>1embers</u>				•		• • • • • • • • • • • • • • • • • • • •		
	Name: Name:		Brett Gillih Tracy Cari		Affiliation: Affiliation:		TekLab, Inc.		<u>.</u>
Weather Con	ditions								
	Temp:	66	°F		Wind Direction:	▼ N □ S	□ E □ EW	sw 🗆	NE NW
	Precipitation:	<b>✓</b> None	Light	☐ Heavy	Sky:	<b>▼</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ective Casing	Х	
_		ective Casing		Good			Well		Х
Ret	ference Mark/	Identification		Yes					
Groundwater Level Measurements  Date/Time Measured: 10/3/2024 12:23					_	ic Water Level: Total Depth: Vater Column:	27.90	feet below To feet below To feet	
Purging Activ	<u>rities</u>								
	Purged By:		BG			Purge Date:	: 10/3,	/2024	<u>-</u>
	urge Method:			<u></u>	Well Diameter:	2"	_		
Pi	_			3.69 = 0.3 L x 3 Vol. :	= 0.9 L	*Based on Low-	-Flow (3/8" disch	harge)	
		ge Volume (L):	3.	.00 L					
Physical	appearance of	purge water:		Clear	Odor:	None	_ Color:	None	-
				Specific		Dissolved			
	Cumulative	Purge Rate	pH	Conductivity	- (0.0)	Oxygen	ORP	Turbidity	0.1
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
12:26	0.0	115	6.50	6 454 20	purge start		24.40	22.05	
12:37	1.3	<b>V</b>	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 Act	ivities								
	Sampled By:	В	G	S	Sample Date/Time:	10/3/2024	12:52		
Sai	mple Method:	Low	Flow	S	ample Equipment:	Peristalt	tic Pump		-
Sampl	e Parameters:	6.60	рН	6,316.60	Spec. Cond.	18.71	Temp		
	Field Filtered:		•	pe: In line disposa	ble				
	Water Level:	14.55	feet below	, TOC	Drawdown:	0.34	_feet		
Observations	Comments:	i.e., equipment m	alfunctions, co	ontamination sources,	sampling difficulties; du	plicate sample)			
•	Field Meter:	46868							
		D anta	1/1 1.						

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Project Name			NEW- 24		Monitoring Point: G136 Sample ID: 048				
Project Locat			Netwon		<del>-</del>		Sample ID:		
W.O. Numbe	r (s):		240912	/2	-		Date (s):	10/3/	/2024
Field Team N	<u>1embers</u>								
	Name:		Brett Gilli		Affiliation:		TekLab, Inc.		•
	Name:		Tracy Car	roll	Affiliation:		TekLab, Inc.		
Weather Con	ditions								
	Temp:	64	_°F		Wind Direction:	▼ N □ S	□ E □ EW	□ sw □	NE 🗌 NW
	Precipitation:	<b>✓</b> None	☐ Light	☐ Heavy	Sky:	<b>☑</b> Clear	Partly Clo	udy 🔲 Clo	oudy
Well Observa	ations .						-		
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ective Casing	Х	
		ective Casing		Good			Well		Χ
Ref	ference Mark/I	Identification		Yes					
Groundwate	r Level Measu	rements			Stati	c Water Level:	: 9.85	feet below To	OC .
0.00	Date/Time M		10/3/2	024 11:28	otat.	Total Depth:		feet below To	
						Vater Column:		feet	
Purging Activ	<u>rities</u>								
	Purged By:		BG		<u>-</u>	Purge Date:	:10/3/	′2024	
	urge Method:		tic Pump		Well Diameter:		_		
Pt	_			12.45 = 0.27 L x 3 Vol	. = 0.81 L	*Based on Low-	-Flow (3/8" disch	arge)	
		ge Volume (L):		3.00 L	<u>.</u>				
Physical	appearance of	purge water:		Clear	Odor:	None	Color:	None	-
				Specific		Dissolved			
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
11:28	0.0	100			purge start		T		
11:43	1.5	$\downarrow$	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 Act	ivitios								
Jamping Act	Sampled By:	E	3G	c	Sample Date/Time:	10/3/2024	11:58		
Sar	mple Method:		Flow		ample Equipment:		tic Pump		•
	e Parameters:		рН		Spec. Cond.	20.81	Temp		
	Field Filtered:	Yes		pe: In line disposa	- '		<b>=</b> '		
	Water Level:	10.66	feet belov	w TOC	Drawdown:	0.81	feet		
Ohservations	/Comments:	i e equinment ~	nalfunctions of	contamination sources	sampling difficulties; du	nlicate camplo)			
	Field Meter:		ianunctions, (	Jointallillation Sources,	sampling unficulties; du	plicate sample)			
•	i iciu ivietei.	<del>-10000</del>							
			11. 1						

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Project Name			NEW- 24		Monitoring Point: G139 Sample ID: 049				
Project Locat			Netwon 240912		<u>.</u>		Sample ID:		
W.O. Numbe	r (S):		240912	72	•		Date (s):	10/3/	/2024
Field Team N	<u>1embers</u>								
	Name:		Brett Gilli		Affiliation:		TekLab, Inc.		<u>-</u>
	Name:		Tracy Car	roll	Affiliation:		TekLab, Inc.		-
Weather Con	ditions								
	Temp:	60	°F		Wind Direction:	□ N □ S	□ E 🔽 EW	□ sw □	NE NW
	Precipitation:	✓ None	Light	☐ Heavy	Sky:	<b>☑</b> Clear	Partly Clo	udy 🔲 Clo	oudy
Well Observa	ations						-		
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ective Casing	Х	
		ective Casing		Good			Well		Χ
Ref	ference Mark/I	Identification		Yes					
Groundwate	r Level Measu	rements			Stati	c Water Level:	8.97	feet below To	OC
0.00	Date/Time M		10/3/2	024 10:32	3.00.0	Total Depth:		feet below To	
			-,-,		V	Vater Column:		feet	
Purging Activ	<u>rities</u>								
	Purged By:		BG		<u>.</u>	Purge Date:	10/3/	/2024	-
	urge Method:		tic Pump		Well Diameter:	2"	_		
Pi	_			13.93 = 0.31 L x 3 Vol.	. = 0.93 L	*Based on Low-	Flow (3/8" disch	narge)	
		ge Volume (L):		′.00 L	<u>.</u>				
Physical	appearance of	purge water:		Clear	Odor:	None	_ Color:	None	-
				Specific		Dissolved			
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
10:32	0.0	167			purge start				
10:59	4.5	$\downarrow$	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 Act	tivities								
Janipinig Act	Sampled By:	E	3G	9	Sample Date/Time:	10/3/2024	11:14		
Sai	mple Method:		Flow		ample Equipment:	Peristalt			<u>-</u>
	e Parameters:		рН		Spec. Cond.	18.41	Temp	ı	
-	Field Filtered:	Yes	- · Filter Ty	pe: In line disposa			<u> </u>		
	Water Level:	9.56	feet belov	v TOC	Drawdown:	0.59	feet		
Ohservations	/Comments:	i e equinment m	alfunctions	contamination sources	sampling difficulties; du	nlicate sample)			
	Field Meter:		ianunctions, (	ontammation sources,	Jamping uniculues, du	pileate sample)			
·	. ICIA IVICICI.	.0000							
			10.1						

10/3/2024

Project Name Project Locat W.O. Numbe	ion:	NEW- 24Q4         Monitoring Point:           Netwon, IL         Sample ID:           24091272         Date (s):         1						0!	.41 50 /2024
			24031272				Date (3).	10///	2024
Field Team M	Name: Name:		Justin Colp Danny Crum	р	Affiliation:		TekLab, Inc.		
Weather Con	ditions								
	Temp:	68	°F		Wind Direction:	□ N <b>▽</b> S	□ E □ EW	sw 🗆	NE NW
	Precipitation:	<b>✓</b> None	Light [	Heavy	Sky:	<b>▼</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations .								
		Well Pad		Good		-	Locks	Yes	No
		Casing		Good		Prote	ective Casing	Х	
		ective Casing		Good		•	Well		Χ
Ref	ference Mark/I	dentification		Yes					
Groundwate	r Level Measur	rements			Stat	ic Water Level:	16.02	feet below To	OC.
	Date/Time M		10/7/2024	12:08	5.00	Total Depth:		feet below To	
	- 200 <b>,</b>					Water Column:		feet	
Purging Activ	rities								
	Purged By:		JC			Purge Date:	10/7,	/2024	
Р	urge Method:		tic Pump		Well Diameter:	2"			•
Pı	urge Volume C	alculation (L):	9.3 ft. x 9.3 = 0	0.2 L x 3 Vol. = 0.6	L	*Based on Low-	- Flow (3/8" disch	narge)	
	Actual Purg	ge Volume (L):	4.50	) L		•			
Physical	appearance of	purge water:	C	lear	Odor:	None	Color:	none	<u>.</u>
	<u> </u>		1	Specific		Dissolved	<u> </u>	I	1
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
12:17	0.0	214			purge start	time			
12:23	1.3	$\downarrow$	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	
Camardia a Ast	ttat		•	•			•	•	
Sampling Act		ı	С	c	ample Date/Time:	10/7/2024	12:38		
Sai	Sampled By: mple Method:		Flow	_	ample Equipment:	Peristalt			Ē
	e Parameters:	6.64	pH	_	Spec. Cond.	17.44	Temp	•	
•	Field Filtered:	Yes	- '	: In line disposa					
	Water Level:	17.02	feet below T		Drawdown:	1.00	feet		
Observations	/Comments:	i o oquinment	alfunctions com	amination courses	sampling difficulties; du	unlicato campla\			
	Field Meter:		allunctions, cont	amination sources,	sampling difficulties; du	iplicate sample)			
·	ricia ivicter.	.5505							
		1							
Earm C	Completed By:	plot	Colp			Date:	10/7	/2024	
roini C	ompleted by:	*		_		. Date:	10///	2027	•

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Project Name			NEW- 240	/- 24Q4 Monitoring Point: G217S					
Project Locat			Netwon,				Sample ID:		51
W.O. Numbe	r (s):		2409127	2			Date (s):	10/7,	/2024
Field Team N									
	Name:		Justin Co		Affiliation:		TekLab, Inc.		•
	Name:		Danny Cru	mp	Affiliation:		TekLab, Inc.		į
Weather Con	ditions								
	Temp:	61	_°F		Wind Direction:	□ N 🔽 S	□ E □ EW	sw 🗆	NE 🗌 NW
	Precipitation:	✓ None	☐ Light	☐ Heavy	Sky:	<b>☑</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations .								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prot	ective Casing	Х	
	Prot	ective Casing		Good			Well		Χ
Ref	ference Mark/I	Identification		Yes			•		
Groundwater	r Level Measu	rements			Stati	ic Water Level	: 8.13	feet below To	OC .
	Date/Time M		10/7/20	24 10:27		Total Depth	: 21.40	feet below To	OC
			·		·	Water Column	: 13.27	feet	
Purging Activ	rities								
	Purged By:		JC			Purge Date	: 10/7/	/2024	
Р	urge Method:		tic Pump		Well Diameter:	ŭ			ı
	-		13.27 ft. x 1	 3.27 = 0.29 L x 3 Vol.	. = 0.87 L	*Based on Low	<del>-</del> v-Flow (3/8" disch	narge)	
	_	ge Volume (L):		00 L		•			
Physical	appearance of	purge water:		Clear	Odor:	None	Color:	none	
	1	1		Chocific		Dissalvad	_		•
	Cumulative	Purge Rate	рН	Specific Conductivity		Dissolved Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
10:28	0.0	208	( /	(1-1-7-7	purge start		, ,	( - /	
10:37	1.9	$\downarrow$	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 Act	ivities								
	Sampled By:	J	IC	S	sample Date/Time:	10/7/2024	4 10:52		
Sar	mple Method:	Low	Flow	<u> </u>	ample Equipment:	Peristal	tic Pump		•
Sample	e Parameters:	6.31	рН		Spec. Cond.	19.52	Temp	•	
	Field Filtered:	Yes	Filter Typ	e: In line disposa	ble		_		
	Water Level:	12.53	feet below	тос	Drawdown:	4.40	feet		
Observations	:/Comments:/	i e equinment m	nalfunctions co	intamination sources	sampling difficulties; du	ınlicate samnle)			
-	Field Meter:				difficulties, du	.poate sample)			
•		35							

Form Completed By:

Date: 10/7/2024

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Project Name:		NEW- 240	Q4	Monitoring Point: G221				21
Project Location:		Netwon,	IL	•		Sample ID:	05	52
W.O. Number (s):		2409127	2	•		Date (s):	10/3/	/2024
Field Team Members Name		Justin Co Danny Cru	•	Affiliation:		TekLab, Inc. TekLab, Inc.		
Weather Conditions								
Temp	: 71	_°F		Wind Direction:	<b>▼</b> N □ S	□ E □ EW	sw 🗆	NE NW
Precipitation	: 🔽 None	Light	☐ Heavy	Sky:	<b>▼</b> Clear	Partly Clo	oudy 🔲 Clo	udy
Well Observations							_	
	Well Pad		Good			Locks	Yes	No
	Casing		Good		Prot	ective Casing	Х	
	tective Casing		Good			Well		Χ
Reference Mark	/Identification		Yes					
Groundwater Level Measu Date/Time M		10/3/20	24 11:47	_	c Water Level Total Depth Vater Column	: 86.90	feet below TO feet below TO feet	
Purging Activities								
Purged By Purge Method Purge Volume (	: Bladde	JC er Pump 63.05 ft. x 6	3.05 = 1.39 L x 3 Vol	Well Diameter:		: 10/3 	/2024 parge)	
Actual Pui Physical appearance o	rge Volume (L) f purge water:		00 L Clear	- Odor:	None	Color:	none	
Cumulative Purge Time 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	$\downarrow$	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	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	<u> </u>	JC	S	Sample Date/Time:	10/3/2024	4 12:15		
Sample Method	: Low	Flow		ample Equipment:	Bladde	er Pump	_	
Sample Parameters	: 6.62	рН	1,117.60	Spec. Cond.	17.28	Temp	_	
Field Filtered	: Yes	Filter Ty	oe: In line disposa	ble		<del>_</del>		
Water Level	: 28.58	feet below	TOC	Drawdown:	4.73	feet		
Observations/Comments:  • Field Meter:		nalfunctions, co	ontamination sources, s	sampling difficulties; dup	olicate sample)			

Form Completed By: Date: 10/3/2024

Project Name		NEW- 24Q4 Monitoring Point: G225							
Project Locat			Netwon,				Sample ID:		53
W.O. Numbe	r (s):		2409127	2			Date (s):	10/7,	/2024
Field Team N									
	Name:		Justin Col	•	Affiliation:		TekLab, Inc.		<u>-</u>
	Name:		Danny Cru	mp	Affiliation:		TekLab, Inc.		<u>-</u>
Weather Con	ditions								
	Temp:	70	_°F		Wind Direction:	□ N 🔽 S	E E EW	□ sw □	NE 🗌 NW
	Precipitation:	✓ None	Light	☐ Heavy	Sky:	<b>☑</b> Clear	Partly Clo	udy 🔲 Clo	oudy
Well Observa	ntions .								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prot	tective Casing	Χ	
	Prot	ective Casing		Good			Well		Х
Ref	erence Mark/	dentification		Yes					
Groundwater	r Level Measu	rements			Stati	c Water Leve	l: 11.94	feet below To	OC
	Date/Time M		10/7/20	24 12:45		Total Depth	n: 24.70	feet below To	OC
					· \	Vater Column	12.76	feet	
Purging Activ	rities								
	Purged By:		JC			Purge Date	e: 10/7,	/2024	
Р	urge Method:		tic Pump		Well Diameter:	ŭ			•
	_		12.76 ft. x 12	 2.76 = 0.28 L x 3 Vol	. = 0.84 L	*Based on Low	<del></del> v-Flow (3/8" disch	narge)	
	_	ge Volume (L):		00 L					
Physical	appearance of	purge water:		Clear	Odor:	None	Color:	none	
				Chasifia		Dissalvad	_		1
	Cumulative	Purge Rate	рН	Specific Conductivity		Dissolved Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
12:47	0.0	182	(= - )	(177	purge start		, ,	( - /	
12:54	1.3	$\downarrow$	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 Act	ivities								
	Sampled By:	J	IC	5	Sample Date/Time:	10/7/202	4 13:09		
Sar	mple Method:	Low	Flow	<u> </u>	ample Equipment:	Peristal	ltic Pump		•
Sample	e Parameters:	6.89	рН	1,047.20	Spec. Cond.	19.87	Temp		
	Field Filtered:	Yes	Filter Typ	e: In line disposa	ble		_		
	Water Level:	12.84	feet below	TOC	Drawdown:	0.90	_feet		
Observations	/Comments: /	i.e., eguinment m	nalfunctions co	ntamination sources	sampling difficulties; du	plicate sample)			
-	Field Meter:								
_									

Form Completed By: Ask Colp 10/7/2024 Date: ekiab inc. | 5445 Horseshoe Lake Road, Collinsville, IL 62234 | Phone: (618) 791-8119 | www.teklabinc.com

Project Name			NEW- 24Q4			G230 054			
W.O. Numbe	•		Netwon, IL 24091272				Sample ID: Date (s):		/2024
	•						(0)	-,-,	
Field Team N	<u>Name:</u>		Justin Colp		Affiliation:		TekLab, Inc.		
	Name:		Danny Crum	0	Affiliation:		TekLab, Inc.		
	•		, ,				,		
Weather Con		F2	0=		Wind Direction:			/ E CW E	NIE 🗖 NIA/
	Temp:	53	°F		wind Direction.	IV □ 3		300	INE   INVV
	Precipitation:	<b>✓</b> None	☐ Light ☐	Heavy	Sky:	<b>☑</b> Clear	Partly Clo	oudy 🔲 Clo	udy
Well Observa	ations								
		Well Pad		Good		i	Locks	Yes	No
		Casing		Good		Prote	ective Casing	Х	
D - 4	Protective Casing Reference Mark/Identification			Good		•	Well		Χ
кет	ererice Mark/Identification			Yes					
Groundwate	r Level Measur	asurements			Stat	ic Water Level:	48.47	feet below To	OC
	Date/Time Me	easured:	10/3/2024	8:40		Total Depth:	81.03	feet below To	OC
					'	Water Column:	32.56	feet	
Purging Activ	<u>rities</u>								
	Purged By:		JC			Purge Date:	10/3,	/2024	
Р	urge Method:	Bladde	r Pump	_	Well Diameter:	2"			
Pi	_			66 = 0.72 L x 3 Vol.	= 2.16 L	*Based on Low-	Flow (3/8" disch	harge)	
		ge Volume (L):			,				
Physical	appearance of	purge water:	С	lear	Odor:	None	Color:	none	•
				Specific		Dissolved			
	Cumulative	Purge Rate	pH	Conductivity	- (00)	Oxygen	ORP	Turbidity	0.1
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
8:41	0.0	174		T	purge start		T	T	
8:49	1.4	$\downarrow$	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 Act	tivities								
	Sampled By:	J	С	S	ample Date/Time:	10/3/2024	9:04		
Sai	mple Method:	Low	Flow		ample Equipment:	Bladde	r Pump		•
Sampl	e Parameters:	7.07	рН	1,129.90	Spec. Cond.	14.66	Temp	•	
	Field Filtered:	Yes	Filter Type:	In line disposa	ble				
	Water Level:	48.68	feet below To	OC	Drawdown:	0.21	feet		
Observations	s/Comments:	i.e., equipment m	alfunctions, conta	amination sources.	sampling difficulties; du	iplicate sample)			
	Field Meter:		andirections, conte	arrimación sources,	sampling annearies, ac	ipileate sample)			
		1	1941 - 14						
Fa 6	Completed By:	plot	Colpe			D-1	10/2	/2024	
Form C	ompieted By:	,	5- <b>-</b> E			Date:	10/3/	1 2024	

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Project Name	e:		NEW- 24Q4		Monitoring Point: G231				
Project Locat			Netwon, IL				Sample ID:		55
N.O. Numbe	r (s):		24091272				Date (s):	10/8/	/2024
Field Team N	lembers								
	Name:		Brett Gillihar	1	Affiliation:		TekLab, Inc.		
	Name:		Tracy Carrol		Affiliation:		TekLab, Inc.		
Veather Cor	ditions								
	Temp:	60	°F		Wind Direction:	□ N 🔽 S	□ E □ EW	' □ sw □	NE N
			•						
	Precipitation:	✓ None	Light [	Heavy	Sky:	<b>✓</b> Clear	Partly Clo	oudy 🗆 Clo	udy
Vell Observa	ations .	W II D . I		Caral			11	.,	
		Well Pad Casing		Good Good		Prote	Locks ective Casing	Yes	No
	Prot	ective Casing	-			W		^	Х
Ref	erence Mark/I	· ·		Yes			Λ		
	·								
roundwate	r Level Measur				Stati	c Water Level:		feet below TO	
	Date/Time M	easured:	10/8/2024	10:04		Total Depth: Vater Column:		feet below TO	OC .
					v	vater Column:	31.85	feet	
urging Activ									
	Purged By:		BG		·	Purge Date:	10/8	/2024	
	urge Method:			<del>-</del>	Well Diameter:		<b>-</b>		
Pi	· ·			35 = 0.7 L x 3 Vol.	= 2.1 L	*Based on Low-	Flow (3/8" disch	narge)	
Dhysical	•	ge Volume (L):  purge water:		oudy	Odor:	None	Color:	Gray	
Pilysical	appearance or	purge water.	CI		Odor.		- COIOI.	Gray	•
				Specific		Dissolved			
Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Conductivity (µS/cm)	Temp (°C)	Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:04	0.0	333	(3.0.)	(μ3/τιιι)	purge start	(mg/L)	(IIIV)	(1410)	Other
10:19	5.0	555 ↓	7.26	1,192.10	15.88	0.46	-142.80	1704.37	
10:22	6.0	<b>Y</b>	7.25	1,143.20	15.81	0.40	-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	0.22	-159.50	1149.61	
10:31				1,111.10	15.71			1149.01	
	9.0		7.26	1		0.18	-160.90 -161.60	941.01	
10:34	10.0 11.0		7.26 7.25	1,102.60 1,092.80	15.71 15.75	0.17	-162.00	698.13	
10:37	12.0		7.25	1,092.80	15.75	0.17	-162.40	491.68	
10:43	13.0		7.23	1,082.80	15.74	0.17	-162.40	491.66	
10:46	14.0		7.24	1,080.90	16.52	0.16	-162.60	340.66	
			7.20	1,000.50	10.52	0.22	137.00	310.00	
ampling Act	<u>ivities</u> Sampled By:	Т	С	S	ample Date/Time:	10/8/2024	10:46		
Sa	mple Method:		Flow	<b>—</b>	ample Equipment:	Submersi			
Sample Parameters: 7.23 pH 1,080.90					Spec. Cond.	16.52	Temp	•	
Field Filtered: Yes Filter Type: In line					ble		-		
	Water Level:	47.91	feet below To	oc	Drawdown:	0.00	feet		
bservations	s/Comments:	i.e., equipment m	alfunctions, conta	amination sources	sampling difficulties; du	plicate sample)			
	Field Meter:		3 60110		aieaides, du	sace sample)			
		Check ball kee	eps getting stu	ıck					
	. '								
		4	_						
	·	Turang	Carroll				40/0	/2024	
Form C	ompleted By:	C	)			Date:	10/8	/2024	

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Project Name Project Locat W.O. Numbe	ion:		NEW- 24Q4 Netwon, II 24091272	-	Monitoring Point: Sample ID: Date (s):				32 56 /2024
							<b>Date</b> (3).		
Field Team M	Name:		Justin Colp		Affiliation:		TekLab, Inc.		
Weather Con	ditions								
	Temp:	58	°F		Wind Direction:	▼ N □ S	□ E □ EW	sw 🗆	NE 🗌 NW
	Precipitation:	✓ None	Light [	Heavy	Sky:	<b>☑</b> Clear	Partly Clo	oudy 🔲 Clo	udy
Well Observa	ations								
		Well Pad Casing		Good Good		Prote	<b>Locks</b> ective Casing	Yes X	No
		ective Casing		Good			Well		Χ
Ref	erence Mark/I	dentification		Yes					
Groundwate	r Level Measu Date/Time M		10/3/202	4 9:17		c Water Level: Total Depth: Vater Column:	77.66	feet below To feet below To feet	
Purging Activ	<u>rities</u>								
	Purged By:		JC			Purge Date:	10/3,	/2024	
	urge Method:		r Pump		Well Diameter:	2"			
Purge Volume Calculation (L): 31.42 ft.					. = 2.07 L	*Based on Low-	Flow (3/8" disch	narge)	
Dl l		ge Volume (L):				N	6.1.		
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	(3.0.)	(μ3/cm)	purge start		(1117)	(1410)	Other
9:23	1.3	<b>↓</b>	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	
C	1141								
Sampling Act	Sampled By:	J	С	s	ample Date/Time:	10/3/2024	9:35		
Sar	mple Method:	Low	Flow	_	ample Equipment:	Bladder	Pump	<u>.</u>	
•	e Parameters:	7.12	pH		Spec. Cond.	15.01	Temp		
	Field Filtered:	Yes	feet below	e: In line disposa		0.05	foot		
	Water Level:	46.29	ieel below	IUC	Drawdown:	0.05	feet		
	s/Comments: ( Field Meter:		alfunctions, con	tamination sources,	sampling difficulties; du	plicate sample)			
Form C	completed By:	from	Colx			Date:	10/3,	/2024	

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Project Name	e:		NEW- 24	Q4	_	Moni	itoring Point:	G2	33
<b>Project Locat</b>	tion:		Netwon	, IL	-		Sample ID:	0:	57
W.O. Numbe	er (s):		240912	72	•		Date (s):	10/3/	/2024
Field Team M	<u>lembers</u>								
	Name:		Justin Co	olp	Affiliation:		TekLab, Inc.		
	Name:		Danny Cru	ımp	Affiliation:		TekLab, Inc.		
Weather Con	<u>ıditions</u>								
	Temp:	61	_°F		Wind Direction:	▼ N □ S	□ E □ EW	sw 🗆	NE 🗌 NW
	Precipitation:	<b>✓</b> None	Light	☐ Heavy	Sky:	<b>☑</b> Clear	☐ Partly Clo	oudy 🔲 Clo	udy
Well Observa	ations								
		Well Pad		Good			Locks	Yes	No
		Casing	-	Good Good		Prote	ective Casing	Х	
	Protective Casing  Reference Mark/Identification						Well		Χ
Ref	erence Mark/I	Identification		Yes					
Groundwate	r Level Measu	rements			Stati	c Water Level:	47.61	feet below To	OC OC
	Date/Time M	easured:	10/3/20	9:39	_	Total Depth:	76.24	feet below To	OC
					V	Vater Column:	28.63	feet	
Purging Activ	<u>rities</u>								
	Purged By:		JC		_	Purge Date:	10/3,	/2024	
	urge Method:		er Pump	<u></u>	Well Diameter:	2"	•		
Pι	-			28.63 = 0.63 L x 3 Vo	. = 1.89 L	*Based on Low-	Flow (3/8" disch	harge)	
	-	ge Volume (L)		.00 L	-				
Physical	appearance of	purge water:		Clear	Odor:	None	Color:	none	
				Specific		Dissolved			
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
9:39	0.0	235		•	purge start		1	1	
9:44	1.2	$\downarrow$	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 Act	rivities								
<u></u>	Sampled By:		IC	S	Sample Date/Time:	10/3/2024	9:56		
Sar	mple Method:		Flow		ample Equipment:	Bladder			
	e Parameters:		рН	1,161.90	Spec. Cond.	13.73	Temp	•	
•	Field Filtered:			pe: In line disposa					
	Water Level:		feet below		Drawdown:	0.28	feet		
Observations	s/Comments: (	(i.e., equipment n	nalfunctions. o	contamination sources.	sampling difficulties; du	plicate sample)			
	Field Meter:								
•		30							

Form Completed By: Date: 10/3/2024

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Project Name	tion:		NEW- 24C	L		Mon	nitoring Point: Sample ID:	0.5	34
W.O. Numbe	er (s):		24091272	2			Date (s):	10/3/	/2024
Field Team M	<u>Nembers</u> Name: Name:		Justin Col Danny Crur		Affiliation:		TekLab, Inc. TekLab, Inc.		
Weather Cor	nditions								
	Temp:	64	_°F		Wind Direction:	▼ N □ S	□ E □ EW	sw 🗆	NE 🗌 NW
	Precipitation:	✓ None	Light	☐ Heavy	Sky:	<b>☑</b> Clear	Partly Clo	oudy 🔲 Clo	udy
Well Observa	ations								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ective Casing	Х	.,
Dof	Prot ference Mark/I	ective Casing		Good Yes			Well		X
Kei	erence mark/i	dentification		163					
Groundwate	r Level Measu				Stati	c Water Level	: 43.70	feet below To	OC
	Date/Time M	easured:	10/3/202	24 9:58		Total Depth	-	feet below To	OC
					V	Vater Column	: 30.11	feet	
Purging Activ	urging Activities Purged By								
	Purged By:		JC			Purge Date	: 10/3	/2024	
	urge Method:		r Pump	<u> </u>	Well Diameter:		_		
Pı	_			0.11 = 0.66 L x 3 Vol	. = 1.98 L	*Based on Low	-Flow (3/8" discl	harge)	
Dhysical		ge Volume (L):		OO L Clear	Odani	Nana	Calam		
Pilysical	appearance of	purge water.		Clear	Odor:	None	_ Color:	попе	
				Specific		Dissolved			
Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Conductivity (µS/cm)	Temp (°C)	Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:59	0.0	176	(3.0.)	(μ3/ επ)	purge start		(1117)	(1110)	Other
10:04	0.9	<b>→</b>	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	
10.10	3.0		7.03	1,110.10	15.04	0.40	120.50	30.50	
Sampling Act									
	Sampled By:		С		ample Date/Time:	10/3/2024			
	mple Method:		Flow		ample Equipment:		r Pump	-	
•	e Parameters: Field Filtered:	7.05 Yes	pH Filtor Typ	1,118.10 e: In line disposa	Spec. Cond.	15.84	_Temp		
	Water Level:	43.82	feet below		Drawdown:	0.12	feet		
			•		•				
			alfunctions, co	ntamination sources,	sampling difficulties; du	plicate sample)			
•	Field Meter:	45985							
		East:							
		Mon	(dN)						
Form Completed By:		1 we	- 4-			Date	: 10/3	/2024	

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Project Name					Monitoring Point:					
<b>Project Locat</b>	ion:		Netwon, IL		-		Sample ID:	: 0	159	
W.O. Numbe	er (s):		24091272		<del>-</del>		Date (s):	:	-	
Field Team N	<u>lembers</u>									
	Name:		Tracy Carrol	I	Affiliation:	:	TekLab, Inc.		_	
	Name:				Affiliation:	:			_	
Weather Cor	ditions									
weather con	Temp:	66	°F		Wind Direction:	: <b>V</b> N <b>S</b>	□ E □ EW	v 🗆 sw 🗀	NE NW	
	·		-							
	Precipitation:	✓ None	☐ Light ☐	Heavy	Sky	: 🔽 Clear	Partly Clo	oudy 🔲 Clo	oudy	
Well Observa	ations									
		Well Pad		Good		_	Locks	Yes	No	
		Casing		Good		Prot	ective Casing	Х		
		ective Casing	Good			_	Well		Х	
Ref	ference Mark/	Identification	Yes			_				
Groundwate	r Level Measu	rements			Stat	tic Water Level	: 54.41	feet below T	OC	
	Date/Time M		10/8/2024	1 11:46		Total Depth		– feet below T		
	·				-	Water Column		feet		
Purging Activ	<i>i</i> ities									
r arging Activ	Purged By:		_			Purge Date	:	_		
P	urge Method:		t Grab		- Well Diameter:	_			-	
	urge Volume C			_			<del>-</del> -Flow (3/8" disc	harge)		
		ge Volume (L):		- L		_	·			
Physical	appearance of			oudy	- Odor:	: Moderate	Color	: Gray		
	1	I		Specific	- T	Dissolved	<del>-</del>		<u>-</u>	
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity		
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)		(mV)	(NTU)	Other	
-	0.0			•	purge star		•			
11:47	0.3		10.60	45,812.70	20.80	4.46	-268.30	1184.79		
				•			•		•	
Sampling Act	<u></u>	-	TC	,	Sa la Bala /T'	40/0/202	44.47			
Ca	Sampled By:		TC Sample	_	Sample Date/Time:		t Grab		=	
	mple Method:		· ·	_	Sample Equipment:			_		
Sampi	e Parameters: Field Filtered:	10.60 No	_ <sup>pH</sup> Filter Type		Spec. Cond.	20.80	_Temp			
	Water Level:	- 100	feet below T		Drawdown:	_ : #VALUE!	feet			
	water Level.		- reception i	00	Drawdown	#VALUE:				
Observations	s/Comments: (	i.e., equipment m	nalfunctions, cont	amination sources,	sampling difficulties; d	uplicate sample)				
	Field Meter:									
•	Preservitive r	inised out as t	hey are direct	grabs. Fliter in I	Lab					
		1	Carrelo							
Form C	Completed By:	Juan	Carroll			Date	: 10/8	3/2024		
	•					_			-	



Project Name	Project Name: NEW- 24Q4					Mon	itoring Point:	: L2	01
<b>Project Locat</b>	ion:		Netwon, IL		•		Sample ID:	0	60
W.O. Numbe	r (s):		24091272				Date (s):	10/1,	/2024
Field Team N	Name:		Tracy Carroll		Affiliation:		TekLab, Inc.		
	Name:				Affiliation:				=
Weather Cor	<u>iditions</u>								
	Temp:	73	°F		Wind Direction:	□ N □ S	□ E □ EW	√ □ sw □	$NE \; \square \; NW$
	Precipitation:	✓ None	☐ Light ☐	Heavy	Sky:	☐ Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations								
		Well Pad		Good		_	Locks	Yes	No
		Casing		Good		Prote	ective Casing	Х	
	Prot	ective Casing		Good		_	Well		Χ
Ref	ference Mark/I	dentification		Yes		_			
Groundwate	r Level Measu	rements			Stat	ic Water Level:	36.66	feet below To	C
	Date/Time Measured:			13:50		Total Depth:		feet below T	
						Water Column:		feet	
Purging Activ	rities								
	Purged By:					Purge Date:	:		
P	urge Method:				Well Diameter:	_	-		•
P	urge Volume C	alculation (L):	#VALUE!	•		*Based on Low-	<del>-</del> Flow (3/8" disc.	harge)	
	Actual Pur	ge Volume (L):		L		_			
Physical	appearance of	purge water:			Odor:		Color:		
				Specific		Dissolved			
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
	0.0				purge star	t time			
Sampling Act	ivitios								
Sampling Act	Sampled By:			ς	ample Date/Time:				
Sai	mple Method:			•	ample Equipment:				•
	e Parameters:		pH		Spec. Cond.		Temp	=	
	Field Filtered:		Filter Type:		, , , , , , , , , , , , , , , , , , , ,		_		
	Water Level:		feet below TC	OC .	Drawdown:	_	feet		
Observations	/Commonts:	i a aquinmant m	alfunctions conta	mination sources	sampling difficulties; du	unlicato camplo)			
	Field Meter:	i.e., equipment in	allulictions, conta	illillation sources, s	sampling difficulties, at	aplicate sample)			
	Depth to water	er only, no stal	olization data						
		,,							
		Luany	Carroll						
Form C	completed By:		)			Date:	:10/1	/2024	_



Project Name: NEW- 24Q4					Monitoring Point: L202					
<b>Project Locat</b>	ion:		Netwon, IL		•			Sample ID:	00	51
W.O. Numbe	r (s):		24091272					Date (s):	10/1,	/2024
Field Team N	<u>lembers</u>									
	Name:		Tracy Carroll		Affil	iation:		TekLab, Inc.		
	Name:				Affil	iation:				•
					•	•				•
Weather Con								_		
	Temp:	74	_°F		Wind Dire	ection:	□ N □ S	□ E □ EW	/ $\square$ SW $\square$	NE NW
		_								
	Precipitation:	✓ None	Light	Heavy		Sky:	☐ Clear 「	Partly Clo	oudy $\square$ Clo	oudy
Well Observa	ations									
		Well Pad		Good				Locks	Yes	No
		Casing		Good			Prote	ctive Casing	Х	
	Prot	ective Casing		Good				Well		Х
Ref	ference Mark/I	Identification		Yes						
									· · · · · -	
Groundwate	r Level Measu					Stati	c Water Level:		feet below To	
	Date/Time Measured: 10/1/2024 13:				<u> </u>		Total Depth:		feet below To	OC
						V	Vater Column:	-	feet	
Purging Activ	<u>rities</u>									
	Purged By:						Purge Date:			
P	urge Method:				Well Dia	meter:				•
Pi	urge Volume C	alculation (L):	#VALUE!	_		-	*Based on Low-I	Flow (3/8" disch	harge)	
	Actual Purg	ge Volume (L):		L						
Physical	appearance of	purge water:			•	Odor:		Color:		
	1	Π		Coosific	·		Dissolved			
	Cumulative	Purge Rate	pН	Specific Conductivity			Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp	(°C)	(mg/L)	(mV)	(NTU)	Other
Turge Time	0.0	(1112/111)	(3.0.)	(μ3/ επή		ge start		(1114)	(1110)	Other
	0.0				Pare	50 30010				
Sampling Act	<u>ivities</u>									
	Sampled By:			S	ample Date	/Time:				_
Sai	mple Method:			S	ample Equip	ment:				•
Sampl	e Parameters:		рН	-	Spec. Cond.			Temp	_	
	Field Filtered:		- Filter Type:		•					
	Water Level:		feet below TC	C	Draw	down:		feet		
01 11	10									
	,	i.e., equipment m	alfunctions, conta	mination sources,	sampling diffict	ulties; du <sub>l</sub>	plicate sample)			
	Field Meter:	or only no sta	blization data							
•	Depth to wat	er only, no sta	טווצמנוטוו נומנמ							
		1	Carrelo							
Form C	Completed By:	Luany	5				Date:	10/1,	/2024	



<b>Project Name</b>	Name: NEW- 24Q4						Moni	toring Point:	L2	.03
<b>Project Locat</b>	ion:		Netwon, IL		•			Sample ID:		62
W.O. Numbe	er (s):		24091272		•			Date (s):	10/1,	/2024
Field Team N	<u>lembers</u>									
	Name:		Tracy Carroll		Aff	iliation:		TekLab, Inc.		
	Name:				Aff	iliation:				•
					•					•
Weather Cor		74	0 <b>-</b>		Wind Di	<del>-</del>	□ N □ S		,	NIE I NIVAZ
	Temp:	74	_°F		wina Di	rection:		L E L EVV	SW L	INE   INVV
	Precipitation:	<b>✓</b> None	☐ Light ☐	Незуу		Skv.	☐ Clear 「	□ Darthy Clo	oudy 🔲 Clo	u.dv
	Treespitation.	I¥ None	L Light L	Tieavy		Jky.	L Clear L		oudy L Cic	oudy
Well Observa	ations									
		Well Pad		Good				Locks	Yes	No
		Casing		Good			Prote	ctive Casing	Х	
	Prot	ective Casing		Good				Well		Х
Re	ference Mark/I	Identification		Yes			ı			
Groundwate	r Level Measu	rements				Stati	c Water Level:	45.76	feet below To	nc
Groundwate	Date/Time M		10/1/2024	14:03		Stati	Total Depth:	-	feet below To	
	Date, Time (Measured: 10,1),2024 14:03					V	Water Column:		feet	oc
							•		-	
Purging Activ										
_	Purged By:				·		Purge Date:			<u>-</u>
	urge Method:			_	Well Dia	ameter:				
Р	urge Volume C		#VALUE!				*Based on Low-F	Flow (3/8" disci	harge)	
		ge Volume (L):		L						
Physical	appearance of	purge water:			·	Odor:		Color:		=
				Specific			Dissolved			
	Cumulative	Purge Rate	рН	Conductivity			Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp	(°C)	(mg/L)	(mV)	(NTU)	Other
	0.0				pu	rge start	time			
Compline Ad	ii.itiaa									
Sampling Act	Sampled By:			ç	ample Dat	e/Time·				
Sa	mple Method:			_	ample Equi					-
	•		mIII	<u> </u>	Spec. Cond			Temp	-	
Sampi	e Parameters:		pH		spec. com	u.		теттр		
	Field Filtered:		Filter Type:		D			C 1		
	Water Level:		feet below TO	JC .	Drav	wdown:		feet		
Observations	s/Comments: (	i.e., equipment m	alfunctions, conta	mination sources,	sampling diffi	culties; du	plicate sample)			
•	Field Meter:									
•	Depth to wat	er only, no stal	blization data							
		1	O 00							
Earm (	Completed By:	Luany	Carroll				Date:	10/1	/2024	
roi iii C	ompleted by:		J				Date:	10/ 1	1 2024	



<b>Project Name</b>	e:		NEW- 24Q4			Mo	nitoring Point:	: L2	204
<b>Project Locat</b>	tion:		Netwon, IL		•		Sample ID:		63
W.O. Numbe	er (s):		24091272				Date (s):		/2024
Field Team N	<u>lembers</u>								
	Name:		Tracy Carroll		Affiliatio	ո։	TekLab, Inc.		
	Name:				Affiliatio	າ:			• •
Weather Cor	nditions								
	Temp:	74	°F		Wind Direction	n: 🗆 N 🗀 S	5 □ E □ EW	√ □ sw □	NE 🗌 NW
	Precipitation:	<b>✓</b> None	☐ Light ☐	Heavy	Sk	∕: □ Clear	☐ Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		— Pro	tective Casing	Х	
	Prot	ective Casing		Good		_	Well		Х
Re	ference Mark/I	_		Yes		_			
						_			
<u>Groundwate</u>	<u>r Level Measu</u>				Sta	atic Water Leve		feet below To	
	Date/Time M	easured:	10/1/2024	14:16	•	Total Depth		_feet below To	OC
						Water Column	າ:	_feet	
Purging Activ	<u>rities</u>								
	Purged By:					Purge Date	e:		
P	urge Method:				Well Diamete	r:	'		•
Р	urge Volume C	alculation (L):	#VALUE!	_		*Based on Lov	— v-Flow (3/8" disc	harge)	
	Actual Purg	ge Volume (L):		L		_			
Physical	appearance of	purge water:			Odo	r:	Color	•	
				Specific	•	Dissolved	_		•
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)		(mV)	(NTU)	Other
80	0.0	(,,	(0.0.)	(μο/ σ)	purge sta		(,	()	0 40.
									<u> </u>
Sampling Act									
	Sampled By:			_ S	ample Date/Time	e:			-
Sa	mple Method:			<u> </u>	ample Equipmen	t:		_	
Sampl	e Parameters:		pH		Spec. Cond.		Temp		
	Field Filtered:		Filter Type:			<u> </u>			
	Water Level:		feet below TO	OC .	Drawdowi	າ:	feet		
Observations	s/Comments: (	i e equinment m	alfunctions conta	mination sources	sampling difficulties;	dunlicate sample)			
	Field Meter:	ne., equipment in	andrictions, conte	minucion sources, .	sampling anneatties,	aupheate sample)			
	Depth to wat	er only no stal	olization data						
	Deptil to wat	er omy, no star	onzation data						
		Luany	Carrelo						
Form (	Completed By:	Juning	)			Date	e: 10/1	/2024	



Project Name: NEW- 24Q4						: L205				
<b>Project Locat</b>	ion:		Netwon, II	=				Sample ID:	0	64
W.O. Numbe	er (s):		24091272					Date (s):		
Field Team N	<u>lembers</u>									
	Name:	No mer	nber found o	n Data Tab	Aff	iliation:		TekLab, Inc.		-
	Name:		Danny Crun	np	Aff	iliation:		TekLab, Inc.		_
Weather Con	nditions									
	Temp:	74	_°F		Wind Dir	rection:	□ N □ S	□ E □ EW	/ □ sw □	NE NW
	Precipitation:	✓ None	☐ Light	Heavy		Sky:	☐ Clear 「	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations									
		Well Pad		Good				Locks	Yes	No
		Casing	-	Good			Prote	ctive Casing	X	
		ective Casing	Good					Well		X
Ref	ference Mark/	Identification	Yes							
Groundwate	r Level Measu	rements				Stati	c Water Level:	39.67	feet below T	OC
	Date/Time M	easured:	10/1/202	4 14:10			Total Depth:	-	feet below T	ОС
					•	V	Vater Column:	#VALUE!	feet	
Purging Activ	vities_									
	Purged By:						Purge Date:			
Р	urge Method:				Well Dia	meter:	•			-
Pi	urge Volume C	alculation (L):	#VALUE!				*Based on Low-F	Flow (3/8" disc	harge)	
	Actual Pur	ge Volume (L):		L	-					
Physical	appearance of	purge water:			-	Odor:		Color		<u>-</u>
				Specific			Dissolved			
	Cumulative	Purge Rate	рН	Conductivity			Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp	(°C)	(mg/L)	(mV)	(NTU)	Other
	0.0			_	pur	rge start	time			
14:10	0.0	$\downarrow$								
Sampling Act	ivities									
	Sampled By:			S	ample Date	e/Time:				
Sai	mple Method:				ample Equi	-				=
Sampl	e Parameters:		рН	_	Spec. Cond	d		Temp	-	
	Field Filtered:		Filter Type	2:	_	•				
	Water Level:		feet below	гос	Drav	wdown:		feet		
Observations	s/Comments: (	i.e., equipment m	nalfunctions, con	tamination sources,	sampling diffic	culties; du	plicate sample)			
•	Field Meter:									
•	Depth to wat	er only, no sta	blization data	a						
		Turame	Carroll							
Form C	Completed By:		2				Date:	10/1	/2024	_



Project Name	e:		NEW- 24Q4			itoring Point:	<b>nt</b> :R217D		
Project Locat	ion:		Netwon, IL				Sample ID:		
W.O. Numbe	er (s):		24091272				Date (s):	10/3,	/2024
Field Team N	<u>lembers</u>								
	Name:		Justin Colp		Affiliation:		TekLab, Inc.		
	Name:		Danny Crump	0	Affiliation:		TekLab, Inc.		
Weather Cor	ditions								
	Temp:	65	_°F		Wind Direction:	▼ N □ S	□ E □ EW	/ □ sw □	NE 🗌 NW
	Precipitation:	<b>✓</b> None	☐ Light ☐	Heavy	Sky:	<b>✓</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations_								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ective Casing	Χ	
		ective Casing		Good			Well		Χ
Ref	erence Mark/I	dentification		Yes					
Groundwate	r Level Measu	rements			Statio	c Water Level:	19.38	feet below To	OC.
	Date/Time M		10/3/2024	10:21	o cu c	Total Depth:		feet below To	
					٧	Vater Column:		feet	
Dunaina Aati	.iti								
Purging Activ	Purged By:		JC			Purge Date:	10/3	/2024	
D	urge Method:		r Pump		Well Diameter:	_	10/3	/2024	•
	Ü		•	<u> </u>			<u>-</u> -Flow (3/8" disc.	harae)	
		ge Volume (L):					(4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4		
Physical	appearance of			lear	Odor:	None	Color:	none	
	· ·			Specific		Dissolved	-		•
	Cumulative	Purge Rate	pН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
10:22	0.0	128	, ,	., ,	purge start		, ,	, ,	
10:37	1.9	$\downarrow$	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 Act						46/6/			
-	Sampled By:		C	_	ample Date/Time:	10/3/2024			
	mple Method:		Flow	_	ample Equipment:		r Pump	-	
	e Parameters:	6.33 Vos	pH Filter Type:		Spec. Cond.	19.44	_Temp		
	Field Filtered:	Yes	-	In line disposa		0.22	foot		
	Water Level:	19.61	feet below To		Drawdown:	0.23	_feet		
<u>Observations</u>	s/Comments:	(i.e., equipment m	nalfunctions, cont	amination sources,	sampling difficulties; du	uplicate sample)			
	Field Meter:								

Form Completed By: 10/3/2024 eklab Inc. | 5445 Horseshoe Lake Road, Collinsville, IL 62234 | Phone: (618) 791-8119 | www.teklabinc.com

Project Name			NEW- 24Q			R219 066			
Project Locat W.O. Numbe			Netwon, I 24091272				Sample ID: Date (s):		/2024
							(-)-	-,-,	
Field Team N	<u>lembers</u> Name:		Justin Col	n	Affiliation:		TekLab, Inc.		
	Name:		Danny Crur		Affiliation:		TekLab, Inc.		
	Mairie.		Daility Crui	пр	Amilation.		TCKLOD, IIIC.		
Weather Con	ditions								
	Temp:	63	°F		Wind Direction:	□ N 🔽 S	□ E □ EW	□ SW □	NE NW
	Precipitation:	<b>✓</b> None	Light	☐ Heavy	Sky:	<b>☑</b> Clear	Partly Clo	udy 🔲 Clo	udy
Well Observa	rtions_								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ective Casing	Х	
	Prot	ective Casing		Good			Well		Χ
Ref	erence Mark/I	dentification		Yes					
Groundwater	r Level Measur	rements			Stati	c Water Level:	21.75	feet below To	OC .
	Date/Time M		10/8/202	24 10:54		Total Depth:	64.27	feet below To	OC
					V	Vater Column:	42.52	feet	
Purging Activ	ities								
r driging / total	Purged By:		JC			Purge Date:	10/8,	/2024	
Р	Purge Method: Submersible Pump				Well Diameter:	J			
Purge Wethod: Submersible Purge Volume Calculation (L): 42.52 f			42.52 ft. x 42	 .52 = 0.94 L x 3 Vol.	= 2.82 L	*Based on Low-	<del>-</del> Flow (3/8" disch	arge)	
	Purge Volume Calculation (L): 42.52 Actual Purge Volume (L):			00 L					
Physical	appearance of	purge water:	Sligh	tly cloudy	Odor:	None	Color:	none	
	1			Specific		Dissolved	-		
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
10:56	0.0	190		•	purge start	time	•		
11:02	1.2	$\downarrow$	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	
C !: A !							•		
Sampling Act	Sampled By:	ı	С	S	ample Date/Time:	10/8/2024	11:17		
Sar	nple Method:		Flow		ample Equipment:	Submersi			
	e Parameters:	7.13	рН		Spec. Cond.	19.11	Temp	i	
· ·	Field Filtered:	Yes	•	e: In line disposa	•				
	Water Level:	23.00	feet below		Drawdown:	1.25	feet		
Observation 11	./6		•				_		
			alfunctions, co	ntamination sources,	sampling difficulties; du	plicate sample)			
•	Field Meter:	45985							

Form Completed By: 10/8/2024 Date: ekiab inc. | 5445 Horseshoe Lake Road, Collinsville, IL 62234 | Phone: (618) 791-8119 | www.teklabinc.com

Project Name: NEW- 24Q4				24		Mon	itoring Point:	: S1	L <b>01</b>
<b>Project Locat</b>	ion:		Netwon,	IL	-		Sample ID:	067	
W.O. Numbe	r (s):		2409127	2	<del>.</del>		Date (s):	10/7	/2024
Field Team M	<u>1embers</u>								
	Name:		Tracy Carr	oll	Affiliation:		TekLab, Inc.		
	Name:				Affiliation:				<u>-</u>
Weather Con	<u>iditions</u>								
	Temp:	63	_°F		Wind Direction:	□ N 🔽 S	□ E □ EW	√ Sw □	NE 🗌 NW
	Precipitation:	<b>✓</b> None	Light	☐ Heavy	Sky:	<b>☑</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations								
		Well Pad					Locks	Yes	No
		Casing				Prote	ective Casing	Х	
	Prot	ective Casing					Well		Х
Ref	ference Mark/	Identification							
Groundwate	oundwater Level Measurements				Stati	c Water Level:	: -	feet below To	OC
	Date/Time Measured:					Total Depth:		– feet below To	ОС
						Vater Column:		feet	
Purging Activ	rities								
	Purged By:					Purge Date:			
Р	urge Method:		t Grab		- Well Diameter:				-
Pi	urge Volume C	alculation (L):			-		_		
	_	ge Volume (L):		L					
Physical	appearance of				Odor:		Color	:	
					• •		_		•
	C as lati	D D		Specific		Dissolved	000	<b>=</b> 3.530	
Duras Times	Cumulative	Purge Rate	pH (S.L.)	Conductivity	Temp (°C)	Oxygen	ORP	Turbidity	Othor
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)		(mg/L)	(mV)	(NTU)	Other
	0.0				purge start		T	T	
13:05	0.0	<b>↓</b>	8.44	463.40	27.37	9.54	38.30	7.82	
Sampling Act	<u>ivities</u>								
	Sampled By:		ГС	<u> </u>	Sample Date/Time:	10/7/2024	13:05		_
Sai	mple Method:	Direct	Sample	S	ample Equipment:	Direct	t Grab	_	
Sampl	e Parameters:	8.44	рН	463.40	Spec. Cond.	27.37	Temp		
	Field Filtered:		Filter Ty	oe:					
	Water Level:		feet below	TOC	Drawdown:		feet		
Observations	/Comments: (	i.e., equipment m	nalfunctions, co	ntamination sources,	sampling difficulties; du	plicate sample)			
•	Field Meter:	46868							
•	Preservitive r	inised out as t	hey are dire	ct grabs. Filter in I	Lab				
		Juan	y Carrol	il .					
Form Completed By:		O			Date	10/7	7/2024		
	Form Completed By:								-



Project Name: NEW- 24Q4						Mon	itoring Point	: S1	.02
<b>Project Locat</b>	ion:		Netwon,	IL	•		Sample ID:	. 0	68
W.O. Numbe	er (s):		2409127	72	<del>.</del>		Date (s)	10/7	/2024
Field Team M	<u>lembers</u>								
	Name:		Tracy Car	roll	Affiliation:		TekLab, Inc.		
	Name:		Danny Cru	ımp	Affiliation:		TekLab, Inc.		<u>.</u>
Weather Con	nditions								
	Temp:	63	_°F		Wind Direction:	□ N 🔽 S	□ E □ EV	v □ sw □	NE 🗌 NW
	Precipitation:	✓ None	☐ Light	☐ Heavy	Sky:	<b>✓</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations								
		Well Pad					Locks	Yes	No
		Casing				Prote	ective Casing		Х
	Prot	ective Casing					Well		Χ
Ref	ference Mark/	Identification							
Groundwate	r Level Measu	rements			Stati	c Water Level:	-	feet below T	ОС
	Date/Time Measured:					Total Depth:	-	feet below T	ос
					V	Vater Column:	#VALUE!	feet	
Purging Activ	<u>rities</u>								
	Purged By:					Purge Date:			
Р	urge Method:	Direc	t Grab		Well Diameter:				-
Pi	urge Volume C	alculation (L):			•		_		
	Actual Pur	ge Volume (L):		L					
Physical	appearance of	purge water:			Odor:		Color	:	<u>-</u>
	<u> </u>		I	Specific	<del>                                     </del>	Dissolved		1	I
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(µS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
_	0.0				purge start				
13:19	0.0	$\downarrow$	7.80	462.00	28.93	10.03	84.40	7.30	
Sampling Act	ivitios								
Sampling Act	Sampled By:	7	ГС	c	Sample Date/Time:	10/7/2024	13:19		
Sai	mple Method:		Sample		ample Equipment:	Direct			-
	e Parameters:	7.80	рН	462.00	Spec. Cond.	28.93		_	
	Field Filtered:	7.00	- PFI Filter Ty	-	Spec. Cond.	20.93	_Temp		
	Water Level:		feet below		Drawdown:		feet		
	vvater Level.		- reet below	7100	Diawdowii.				
			nalfunctions, co	ontamination sources,	sampling difficulties; du	plicate sample)			
	Field Meter:								
•	Preservitive r	inised out as t	hey are dire	ect grabs. Filter in I	Lab				
		Juan	Carro	EQ.				. /2.2.2.	
Form Completed By: _		_	0			Date:	10/7	//2024	-



<b>Project Name</b>	e:		NEW- 24Q4				Moni	toring Point:	SG	602
<b>Project Locat</b>	tion:		Netwon, IL					Sample ID:		69
W.O. Numbe	er (s):		24091272		• •			Date (s):		/2024
Field Team N	<u>lembers</u>									
	Name:		Brett Gillihan	1	Affil	liation:	-	TekLab, Inc.		
	Name:				Affil	liation:				
Weather Cor	nditions									
	Temp:	68	°F		Wind Dire	ection:	□N □S I	□ E □ EW	/ □ sw □	NE 🗆 NW
	Dracinitation			1		Clau				
	Precipitation:	<b>№</b> None	Light	Heavy		Зку:	☐ Clear ☐	☐ Partly Clo	oudy 🗌 Clo	oudy
Well Observa	ations	Mall Deal						Laska		l No.
		Well Pad					Duete	Locks	Yes	No
		Casing					Protec	ctive Casing		Х
		ective Casing						Well		Х
Re	ference Mark/I	dentification								
Groundwate	r Level Measui	rements				Stati	c Water Level:	3.14	feet below T	ОС
	Date/Time M	easured:	10/1/2024	9:47			Total Depth:		feet below T	ОС
						٧	Vater Column:		feet	
Purging Activ	<u>rities</u>									
	Purged By:						Purge Date:			
P	urge Method:				Well Dia	meter:	-			
Р	urge Volume C	alculation (L):		_		•				
	Actual Purg	ge Volume (L):		L						
Physical	appearance of	purge water:				Odor:		Color:		
				Specific			Dissolved			
	Cumulative	Purge Rate	рН	Conductivity			Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp	(°C)	(mg/L)	(mV)	(NTU)	Other
	0.0	, , ,			pur	ge start				
Sampling Act	tivities									
Sumpling Act	Sampled By:			S	Sample Date	/Time:				
Sa	mple Method:			_	ample Equip					-
	e Parameters:		pH	-	Spec. Cond			Temp	-	
Jamp.	Field Filtered:		Filter Type:		opec. cond			Temp		
	Water Level:		feet below TO		Draw	/down:		feet		
Observations	c/Commonts:	i o oquinment m	olfunctions conta	amination sources,	campling diffic	ultios, du	nlicato camplo)			
	Field Meter:	i.e., equipment ma	anunctions, conta	iniliation sources,	sampling unito	uities, uu	plicate sample)			
	Depth to wat	or only no stak	alization data							
•	Depth to wat	er offiy, flo stat	Jiizatioii uata							
		Buttilli	1							
Form C	Completed By:	Trun gr	MAC				Date:	10/1	/2024	



vy Good Good Yes 8:54	Star Well Diameter 0.66 L	Protectic Water Level Total Depth Water Column Purge Date	Locks sective Casing Well  1: 11.86 1: 21.83 1: 9.97 10/3	y Sw Doudy Clo Yes  feet below To feet  feet  4/2024	NE NW
Good Good Yes 8:54	Affiliation Wind Direction Sky State Well Diameter	Protectic Water Level Total Depth Water Column Purge Date 2" *Based on Low	TekLab, Inc.  TekLab, Inc.  TekLab, Inc.  E E EW  Partly Clo  Locks  Loc	y SW Clo  Doudy Clo  Yes  feet below TO feet  feet  4/2024  harge)	NE NW
Good Good Yes 8:54	Affiliation Wind Direction Sky State Well Diameter	Protectic Water Level Total Depth Water Column Purge Date 2" *Based on Low	TekLab, Inc.  E E EW  Partly Clo  Locks Lective Casing Well  11.86  21.83  9.97  10/3	Yes  feet below TO feet feet s/2024  harge)	No X X
Good Good Yes 8:54	Affiliation Wind Direction Sky State Well Diameter	Protectic Water Level Total Depth Water Column Purge Date 2" *Based on Low	TekLab, Inc.  E E EW  Partly Clo  Locks Lective Casing Well  11.86  21.83  9.97  10/3	Yes  feet below TO feet feet s/2024  harge)	No X X
Good Good Yes 8:54	Wind Direction Sky State Well Diameter	Protectic Water Level Total Depth Water Column  Purge Date 2" *Based on Low	Partly Clo  Locks Exective Casing Well  1: 11.86 1: 21.83 1: 9.97 10/3	Yes  feet below TO feet feet s/2024  harge)	No X X
Good Good Yes 8:54	Star Star Well Diameter 0.66 L	Prot  Total Depth Water Column  Purge Date 2"  *Based on Low	Locks sective Casing Well  1: 11.86 1: 21.83 1: 9.97 10/3	Yes  feet below TO feet feet s/2024  harge)	No X X
Good Good Yes 8:54	Star Star Well Diameter 0.66 L	Prot  Total Depth Water Column  Purge Date 2"  *Based on Low	Locks sective Casing Well  1: 11.86 1: 21.83 1: 9.97 10/3	Yes  feet below TO feet feet s/2024  harge)	No X X
Good Good Yes 8:54	Star Well Diameter 0.66 L	- Prot	Locks Exective Casing Well  1: 11.86 1: 21.83 1: 9.97 1: 10/3 1: 10/3	feet below TO feet  feet below TO feet  s/2024  harge)	No X X
Good Good Yes 8:54	Well Diameter 9.66 L	Total Depth Water Column Purge Date 2" *Based on Low	## 11.86 ## 21.83 ## 9.97 ## 10/3	feet below TO feet below TO feet	X X
Good Good Yes 8:54	Well Diameter 9.66 L	Total Depth Water Column Purge Date 2" *Based on Low	## 11.86 ## 21.83 ## 9.97 ## 10/3	feet below TO feet below TO feet	X X
Good Yes 8:54	Well Diameter 9.66 L	Total Depth Water Column Purge Date 2" *Based on Low	Well  1. 11.86  1. 21.83  1. 9.97  1. 10/3  1. Flow (3/8" discrete	feet below TO feet //2024	X
Yes 8:54	Well Diameter 9.66 L	Total Depth Water Column  Purge Date  2"  *Based on Low	: 11.86 : 21.83 : 9.97 :: 10/3	feet below TO feet //2024	OC .
8:54	Well Diameter 9.66 L	Total Depth Water Column  Purge Date  2"  *Based on Low	21.83 : 9.97 :: 10/3	feet below TO feet //2024	
	Well Diameter 9.66 L	Total Depth Water Column  Purge Date  2"  *Based on Low	21.83 : 9.97 :: 10/3	feet below TO feet //2024	
	Well Diameter 9.66 L	Purge Date  2"  *Based on Low	21.83 : 9.97 :: 10/3	feet below TO feet //2024	
	Well Diameter 9.66 L	Purge Date  2"  *Based on Low	: 9.97 :: 10/3	feet s/2024 harge)	
L x 3 Vol. = 0	0.66 L	*Based on Low	 v-Flow (3/8" disci	harge)	
L x 3 Vol. = 0	0.66 L	*Based on Low	 v-Flow (3/8" disci	harge)	
L x 3 Vol. = 0.	0.66 L	*Based on Low	 v-Flow (3/8" disci	harge)	
L x 3 Vol. = 0	0.66 L	*Based on Low		-	
		-		-	
	Odor	None	_ Color:	None	ı
	Dissolved				
pecific		Dissolved	1		
ductivity		Oxygen	ORP	Turbidity	
	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
	purge star	1			
68.10	15.89	2.99	92.50	23.91	
556.00	16.03	2.79	92.50	19.55	
548.30	16.02	2.75	93.50	16.66	
643.90	16.06	2.68	95.00	15.55	
40.60	16.11	2.59	96.10	16.25	
	16.22	2.52	97.50	18.85	
L					
Ç-a	mala Data/Tima	10/2/202	4 0.22		
	•				ı
				=	
	•	10.22	_ 161116		
ie disposabl		2.56	feet		
ie disposabl			_		
	Sa 537.80	Sample Date/Time: Sample Equipment: 537.80 Spec. Cond. ne disposable Drawdown:	Sample Date/Time: 10/3/2024 Sample Equipment: Peristal 537.80 Spec. Cond. 16.22 ne disposable Drawdown: 2.56	Sample Date/Time: 10/3/2024 9:23 Sample Equipment: Peristaltic Pump 537.80 Spec. Cond. 16.22 Temp ne disposable	Sample Date/Time: 10/3/2024 9:23 Sample Equipment: Peristaltic Pump 537.80 Spec. Cond. 16.22 Temp ne disposable  Drawdown: 2.56 feet

10/3/2024 Date:

Project Name			NEW- 240		Monitoring Point: T102					
Project Locat			Netwon,				Sample ID:		71	
W.O. Numbe	r (s):		2409127	2			Date (s):	10/3/	/2024	
Field Team M	lembers Name: Name:		Brett Gillih		Affiliation:		TekLab, Inc. TekLab, Inc.			
			•		•		,		1	
Weather Con		59	°F		Wind Direction:				NIE 🗖 NIA/	
	Temp:		<u>-</u>		wind birection.		L E I♥ EVV	3W	INE   INVV	
	Precipitation:	✓ None	Light	☐ Heavy	Sky:	<b>☑</b> Clear	☐ Partly Clo	oudy 🗖 Clo	udy	
Well Observa	<u>itions</u>									
		Well Pad		Good			Locks	Yes	No	
		Casing		Good		Prote	ective Casing	Х		
D		ective Casing		Good Yes		i	Well		X	
Ke	ference Mark/	identification		res		ı				
Groundwater	r Level Measu	rements			Stati	c Water Level:	13.86	feet below TO	OC .	
	Date/Time M	easured:	10/3/20	9:45	-	Total Depth:	21.49	feet below To	OC	
					V	Water Column:	7.63	feet		
Purging Activ	<u>rities</u>									
	Purged By:		BG			Purge Date:	10/3,	/2024	i	
	urge Method:		tic Pump		Well Diameter:	2"	_			
Pi				63 = 0.17 L x 3 Vol. =	0.51 L	*Based on Low-	Flow (3/8" disch	narge)		
		ge Volume (L): -		.50 L						
Physical	appearance of	f purge water:		Clear	Odor: None Color: None			None	•	
				Specific		Dissolved				
B T'	Cumulative	Purge Rate	pH (C.L.)	Conductivity	T (90)	Oxygen	ORP	Turbidity	Other	
Purge Time 9:44	Purge Vol.(L) 0.0	(mL/m) 109	(S.U.)	(μS/cm)	Temp (°C) purge start	(mg/L)	(mV)	(NTU)	Other	
	<del></del>		C 00	1 200 10			100.80	45.04		
9:55	1.2	<b>↓</b>	6.90	1,280.10	18.27	2.16		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 Act	<u>ivities</u>									
	Sampled By:		C	S	Sample Date/Time:	10/3/2024	10:16		i	
Sa	mple Method:	Low	Flow	S	ample Equipment:	Peristalt	ic Pump	_		
Sampl	e Parameters:		pH	693.80	Spec. Cond.	18.87	Temp			
	Field Filtered:			pe: In line disposa		. =-				
	Water Level:	15.56	feet below	100	Drawdown:	1.70	feet			
Observations	/Comments: (	i.e., equipment m	alfunctions, co	ontamination sources,	sampling difficulties; du	plicate sample)				
•	Field Meter:	46868								

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10/3/2024

Date:

Project Name	e:		NEW- 24Q4		Monitoring Point: XPW(					
Project Locat	ion:		Netwon, IL		•			Sample ID:		72
W.O. Numbe			24091272		-			Date (s):		
First Transport	<b>.</b>				•					
Field Team N						r.,				
	Name:				•	filiation:				_
	Name:				Aff	filiation:				-
Weather Cor	<u>iditions</u>									
	Temp:		°F		Wind Di	rection:	□N □S	□ E □ EW	/ 🗆 sw 🗀	NE 🗌 NW
	Precipitation:	☐ None	☐ Light ☐	Heavy		Sky:	☐ Clear 「	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations									
		Well Pad						Locks	Yes	No
		Casing					Prote	ctive Casing	Х	
	Prot	ective Casing					•	Well		Х
Do	ference Mark/l	_					•	vven		۸
Ke	ierence wark/	dentincation					•			
Groundwate	r Level Measu	rements				Stati	ic Water Level:		feet below T	OC
	Date/Time M	easured:					Total Depth:		feet below T	ос
					-	١	Water Column:		feet	
Purging Activ	rities									
	Purged By:						Purge Date:			
Р	urge Method:				Well Di	ameter:	-			•
	urge Volume C			-						
•		ge Volume (L):		L			•			
Dhysiaal		-		L	_	Odom		Calari		
Pilysical	appearance of	purge water.			-	Odor:		Color:		-
				Specific			Dissolved			
	Cumulative	Purge Rate	рН	Conductivity			Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp	(°C)	(mg/L)	(mV)	(NTU)	Other
	0.0				pu	rge start	time			
Sampling Act	ivitios									
Sampling Act	Sampled By:			S	Sample Dat	e/Time·				
Sa	mple Method:			-	ample Equ					-
	•		-11	<u>-</u>		-		T	-	
Sampi	e Parameters:		pH		Spec. Con	a.		Temp		
	Field Filtered:		Filter Type:							
	Water Level:		feet below To	OC .	Dra	wdown:		feet		
Observations	s/Comments: (	i.e., equipment m	alfunctions, conta	amination sources,	sampling diffi	culties; du	plicate sample)			
•	Field Meter:									
	Well removed	d from networl	k prior to 4Q							
Form C	Completed By:						Date:			_



Project Name	t Name: NEW- 24Q4					Monitoring Point: XPW02						
<b>Project Locat</b>	tion:		Netwon, IL		_'			Sample ID:	0.	73		
W.O. Numbe	er (s):		24091272		•			Date (s):				
Field Team N	<u>lembers</u>											
	Name:				Affil	liation:						
	Name:				Affil	liation:						
					•	·				-		
Weather Cor			0						. – –			
	Temp:		_°F		Wind Dire	ection:	□ N □ S	L E L EW	SW L	NE L NW		
	<b>.</b>	_		_		C.I		_	_			
	Precipitation:	■ None	Light [	Heavy		Sky:	☐ Clear	Partly Clo	oudy $\square$ Clo	oudy		
Well Observa	ations											
		Well Pad						Locks	Yes	No		
		Casing					Prote	ctive Casing		Х		
	Prot	ective Casing						Well		Х		
Re	ference Mark/	Identification										
									<u> </u>			
Groundwate	r Level Measu					Stati	c Water Level:		feet below To			
	Date/Time M	easured:			•	,	Total Depth:		feet below To	OC		
						V	Vater Column:		feet			
Purging Activ	<u> /ities</u>											
	Purged By:						Purge Date:					
P	Purge Method:				Well Dia	meter:						
Р	urge Volume C	alculation (L):		_		'						
		ge Volume (L):		L								
Physical	appearance of	purge water:				Odor:		Color:		_		
		<u> </u>		Specific	I		Dissolved			- 1		
	Cumulative	Purge Rate	pН	Conductivity			Oxygen	ORP	Turbidity			
Purge Time	Purge Vol.(L)	_	(S.U.)	(μS/cm)	Temp	(°C)	(mg/L)	(mV)	(NTU)	Other		
	0.0	, , ,	( /	(177		ge start		,	, -,			
			l									
Sampling Act												
	Sampled By:			_	ample Date					=		
Sa	mple Method:			S	ample Equip	oment:			_			
Sampl	le Parameters:		_pH		Spec. Cond			Temp				
	Field Filtered:		Filter Type:	:								
	Water Level:		feet below To	oc	Draw	down:		feet				
Observations	s/Comments:	i a aquinment m	alfunctions cont	amination sources,	campling diffic	ultios: du	nlicato camplo)					
	Field Meter:	i.e., equipment in	ianunctions, cont	animation sources, .	sampling unite	uities, uu	plicate sample)					
	Well removed	d from networ	k prior to 40									
-												
Form (	Completed By:						Date:			_		



Project Name	t Name: NEW- 24Q4					Monitoring Point: XPW03						
<b>Project Locat</b>	tion:		Netwon, IL		_'			Sample ID:	0	74		
W.O. Numbe	er (s):		24091272		•			Date (s):				
Field Team N	/lembers											
	Name:				Affi	liation:						
	Name:				Affi	liation:				-		
	1				•					_		
Weather Cor			0_		Mind Dia	ootion.	□ N □ S		, 🗆 cw, 🗖	NIE I NIVAZ		
	Temp:		_°F		wind Dir	ection:			/ L 3VV L	INE   INVV		
	Precipitation:	None	□ Light □	T Heave		Sky		T positive of				
	Frecipitation.	□ None	Light [	неаvy		JKy.	☐ Clear	Partiy Cic	oudy   Clo	oudy		
Well Observa	ations											
		Well Pad						Locks	Yes	No		
		Casing					Prote	ctive Casing		Χ		
	Prot	ective Casing						Well		Х		
Re	ference Mark/	Identification										
Groundwato	r Level Measu	romonts				Stati	c Water Level:		feet below To	00		
Groundwate	Date/Time M					Stati	Total Depth:		feet below To			
	Date/ Time ivi	easureu.			-	1	Water Column:		feet below it			
							vater column.					
Purging Activ												
	Purged By:				<u>-</u>		Purge Date:			_		
	Purge Method:			_	Well Dia	meter:		i				
Р	urge Volume C	alculation (L):										
	Actual Pur	ge Volume (L):		L	•							
Physical	appearance of	purge water:				Odor:		Color:		-		
				Specific			Dissolved		T			
	Cumulative	Purge Rate	pН	Conductivity			Oxygen	ORP	Turbidity			
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp	(°C)	(mg/L)	(mV)	(NTU)	Other		
	0.0				pur	ge start	time					
Canadia a Asi	ul. dal a a											
Sampling Act	Sampled By:			c	ample Date	/Timo:						
Co	-			_	-					-		
	mple Method:			_	ample Equi			T	-			
Sampi	le Parameters:		pH		Spec. Cond	1.		Temp				
	Field Filtered:		Filter Type									
	Water Level:		feet below T	UC	Draw	vdown:		feet				
Observations	s/Comments: (	i.e., equipment m	alfunctions, cont	amination sources,	sampling diffic	ulties; du	plicate sample)					
•	Field Meter:											
•	Well removed	d from networ	k prior to 4Q									
Form C	Completed By:						Date:			_		



Project Name	t Name: NEW- 24Q4					Monitoring Point: XPW04						
<b>Project Locat</b>	tion:		Netwon, IL		_'			Sample ID:	0.	75		
W.O. Numbe	er (s):		24091272		•			Date (s):				
Field Team N	<u>lembers</u>											
	Name:				Affi	liation:						
	Name:				Affi	liation:				_		
	1				•					-		
Weather Cor			0_		Mind Dia	ootion.	□ N □ S		,	NIE I NIVAZ		
	Temp:		_°F		wind Dir	ection:			L SVV	INE   INVV		
	Precipitation:	□ None	□ Light □	T Heave		Sky		T postale colo				
	Frecipitation.	□ None	☐ Light ☐	неаvy		JKy.	☐ Clear 「	_ Partiy Cic	oudy   Clo	oudy		
Well Observa	ations											
		Well Pad						Locks	Yes	No		
		Casing					Prote	ctive Casing		Χ		
	Prot	ective Casing						Well		Х		
Re	ference Mark/	Identification										
Groundwato	r Level Measu	romonts				Stati	c Water Level:		feet below To	00		
Groundwate	Date/Time M					Stati	Total Depth:		feet below To			
	Date/ Tille ivi	easureu.			-	1	Water Column:		feet below it	OC .		
						· ·	vater column.		_1000			
Purging Activ												
	Purged By:				•		Purge Date:			•		
	Purge Method:			_	Well Dia	meter:						
Р	urge Volume C	Calculation (L):										
	Actual Pur	ge Volume (L):		L	-							
Physical	appearance of	purge water:			<u>-</u>	Odor:		Color:		_		
				Specific			Dissolved					
	Cumulative	Purge Rate	pН	Conductivity			Oxygen	ORP	Turbidity			
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(µS/cm)	Temp	(°C)	(mg/L)	(mV)	(NTU)	Other		
	0.0				pur	ge start	time					
										•		
Sampling Act					anania Data	/T:						
•	Sampled By:			_	ample Date					_		
	mple Method:			_	ample Equi				-			
Sampl	le Parameters:		_pH		Spec. Cond	1.		Temp				
	Field Filtered:		Filter Type									
	Water Level:		feet below T	OC	Draw	vdown:		feet				
Observations	s/Comments: (	i.e., equipment m	alfunctions, cont	amination sources,	sampling diffic	ulties; du	plicate sample)					
•	Field Meter:											
•	Well removed	d from networ	k prior to 4Q									
Form (	Completed By:						Date:			_		



Project Name: NEW- 24Q4					Monitoring Point:					
<b>Project Locat</b>	tion:		Netwon, II	L	<u>-</u>			Sample ID:	e ID: 076	
W.O. Numbe	er (s):		24091272		-			Date (s):	10/1,	/2024
Field Team N	<u>/lembers</u>									
	Name:		Brett Gilliha	an	Aff	filiation:		TekLab, Inc.		
	Name:				Aff	filiation:				
Weather Cor	nditions									
	Temp:	68	_°F		Wind Di	rection:	□N □S	□ E □ EW	/ 🗆 sw 🗀	NE 🗌 NW
	Precipitation:	<b>✓</b> None	☐ Light	Heavy		Sky:	☐ Clear 「	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations									
		Well Pad						Locks	Yes	No
		Casing					Prote	ctive Casing		Х
		ective Casing						Well		X
Re	ference Mark/	Identification	-							
Groundwate	r Level Measu	rements				Stati	c Water Level:	6.49	feet below To	C
	Date/Time M	easured:	10/1/202	4 9:30	_		Total Depth:	-	feet below To	OC
						V	Vater Column:	-	feet	
Purging Activ	<u> /ities</u>									
	Purged By:				_		Purge Date:			-
	urge Method:			<u> </u>	Well Di	ameter:				
P	urge Volume C									
		ge Volume (L)		L	-					
Physical	appearance of	purge water:			-	Odor:		Color		
				Specific			Dissolved			
	Cumulative	Purge Rate	pH	Conductivity		.0 .	Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp	(°C)	(mg/L)	(mV)	(NTU)	Other
0.20	0.0	,			pu I	rge start	time			
9:30	0.0	<b>↓</b>				ļ				
Sampling Act	<u>tivities</u>									
	Sampled By:				Sample Dat					<u>-</u>
	mple Method:			s	ample Equ				_	
	le Parameters:		_pH		Spec. Con	d.		Temp		
	Field Filtered:		Filter Type							
	Water Level:		feet below	ГОС	Dra	wdown:		feet		
Observations	s/Comments: (	i.e., equipment n	nalfunctions, con	tamination sources,	sampling diffi	iculties; du	plicate sample)			
	Field Meter:									
•	Depth to wat	er only, no sta	blization data	3						
		But &	· N. 1:							
Form C	Completed By:	Tran 2	min				Date:	10/1	/2024	<u>-</u>



Project Name: NEW- 24Q4					Monitoring Point: Field Blan						
<b>Project Locat</b>	tion:		Netwon, II	L	•		Sample ID:	0	77		
W.O. Numbe	er (s):		24091272	2	•		Date (s):				
Field Team N	<u>lembers</u>										
	Name:		Justin Colp	)	Affiliation:		TekLab, Inc.		_		
	Name:		Danny Crun	np	Affiliation:		TekLab, Inc.		_		
Weather Cor	nditions										
	Temp:	60	°F		Wind Direction:	□ N 🔽 S	□ E □ EW	√ □ sw □	NE 🗌 NW		
	Precipitation:	<b>✓</b> None	Light	☐ Heavy	Sky:	<b>☑</b> Clear	Partly Clo	oudy $\square$ Clo	oudy		
Well Observa	ations										
		Well Pad					Locks	Yes	No		
		Casing				Prote	ctive Casing		Х		
	Prot	ective Casing				_	Well		Х		
Re	ference Mark/	Identification				-					
Groundwate	r Level Measu	rements			Stat	ic Water Level:		feet below To	ОС		
	Date/Time M	easured:				Total Depth:		feet below To	ОС		
					`	Water Column:		feet			
Purging Activ	<u> /ities</u>										
	Purged By:				-	Purge Date:			•		
	Purge Method:		t Grab	_	Well Diameter:		ı				
Р	urge Volume C					-					
		ge Volume (L):		L	-						
Physical	appearance of	purge water:			Odor:		Color:		-		
				Specific		Dissolved					
	Cumulative	Purge Rate	pН	Conductivity	_	Oxygen	ORP	Turbidity			
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other		
	0.0				purge start	t time					
Sampling Act	tivities_										
	Sampled By:				Sample Date/Time:	10/8/2024	12:06		_		
Sa	mple Method:			S	ample Equipment:	Direct	Grab	_			
Sampl	le Parameters:		рН		Spec. Cond.		Temp	-			
	Field Filtered:		Filter Type	e:							
	Water Level:		feet below	ТОС	Drawdown:		feet				
Observations	s/Comments: (	i.e., equipment m	alfunctions, con	ntamination sources,	sampling difficulties; du	iplicate sample)					
•	Field Meter:										
•	QA/QC Samp	le									
		1									
		por	= Colp								
Form C	Completed By:	/	2.■ %			Date:	10/8	/2024			



Project Name	e:		NEW- 24Q4			Mor	nitoring Point:	A213 D	uplicate
Project Locat	ion:		Netwon, IL		•		Sample ID:	0	78
W.O. Numbe	er (s):		24091272		•		Date (s):	10/3,	/2024
Field Team N	<u>lembers</u>								
	Name:		Justin Colp		Affiliation:		TekLab, Inc.		
	Name:		Danny Crump	)	Affiliation:		TekLab, Inc.		ı
Weather Con	nditions								
	Temp:	68	_°F		Wind Direction:	▼ N □ S	□ E □ EW	sw 🗆	NE 🗌 NW
	Precipitation:	<b>✓</b> None	☐ Light ☐	Heavy	Sky:	<b>✓</b> Clear	Partly Clo	oudy 🔲 Clo	udy
Well Observa	ations_								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prot	ective Casing		X
	Prot	ective Casing	1	Good			Well		Χ
Ref	erence Mark/I	dentification		Yes					
Groundwate	iroundwater Level Measurements Static Water Level: 18.60 feet below TO						)(		
diodiidwate	Date/Time M		10/3/2024	11:08	Stati	Total Depth		feet below To	
	Date/ Time ivi	casarca.	10/3/2024	11.00	V	Vater Column		feet	50
	•••							-	
Purging Activ	Purged By:		JC			Purge Date	. 10/2	/2024	
D	urge Method:	Rladde	er Pump		Well Diameter:	_	. 10/3	/2024	
	•		•	= 0.93 L x 3 Vol. =			_ /-Flow (3/8" disc	harae)	
10		ge Volume (L):			2.73 L	Dasca on Low	TIOW (3/0 UISCI	nai gc)	
Physical	appearance of			ear	Odor:	None	Color:	none	
,		1 0		6 16			_		
	Cumulativa	Durgo Doto	mil	Specific		Dissolved	ODD	Tumbiality	
Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Conductivity (µS/cm)	Temp (°C)	Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:08	0.0	152	(6.6.)	(μο/ σ)	purge start		(,	()	0 (1.10.
11:17	1.4	<b>↓</b>	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	4.1		6.75	1,953.60	16.17	0.33	-61.60	14.15	
11:41	5.0		6.74	1,949.00	16.11	0.43	-63.40	19.39	
11.41	5.0		0.74	1,545.00	10.12	0.33	03.40	15.55	
Sampling Act	tivities_								
	Sampled By:	J	IC	. S	ample 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					Temp				
Field Filtered: Yes Filter Type: In line disposable									
	Water Level:	26.30	feet below TO	)C	Drawdown:	7.70	_feet		
<u>Observations</u>	s/Comments:	i.e., equipment n	nalfunctions, conta	amination sources,	sampling difficulties; du	uplicate sample)			
	Field Meter:								

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10/3/2024

Form Completed By:

Project Name			NEW- 24 Netwon,		Monitoring Point: APW02 Du Sample ID: 079					
W.O. Numbe	er (s):		2409127	72			Date (s):	10/2	/2024	
Field Team N	<u>Name:</u> Name:		Justin Co Danny Cru	•	Affiliation:		TekLab, Inc. TekLab, Inc.			
Weather Con	nditions									
	Temp:	61	_°F		Wind Direction:	□ N 🔽 S	□ E □ EW	∕ □ sw □	NE NW	
	Precipitation:	✓ None	Light	☐ Heavy	Sky:	☐ Clear	Partly Clo	oudy 🔲 Clo	oudy	
Well Observa	ations									
		Well Pad		Good		i	Locks	Yes	No	
		Casing		Good		Prot	ective Casing	Х		
		ective Casing		Good		ı	Well		Х	
Re	ference Mark/	Identification		Yes						
Groundwate	r Level Measur Date/Time M		10/2/20	024 10:22		ic Water Level Total Depth Water Column	: 23.70	feet below To feet below To feet		
	Purged By: Purge Method:		JC ltic Pump 16.58 ft. x 1	16.58 = 0.36 L x 3 Vol	Well Diameter:		: 10/2 	/2024 harge)		
Physical	Actual Pur	ge Volume (L) purge water:	_	.00 L 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	$\downarrow$	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 Act	<u>sivities</u> Sampled By:		JC		Sample Date/Time:	10/2/2024	1 10:49			
	mple Method:		Flow		ample Equipment:		tic Pump	_		
Sampl	e Parameters: Field Filtered:	6.11 Yes	_ <sup>pH</sup> _ Filter Ty	4,815.80 pe: In line disposa	Spec. Cond. ble	18.52	_Temp			
	Water Level:	11.31	feet below	v TOC	Drawdown:	4.19	feet			
	s/Comments: ( Field Meter:		nalfunctions, co	ontamination sources,	sampling difficulties; du	plicate sample)				

Form Completed By: Date: 10/2/2024 | 5445 Horseshoe Lake Road, Collinsville, IL 62234 | Phone: (618) 791-8119 | www.teklabinc.com

Project Name			NEW- 24Q4			Mon	itoring Point:		uplicate
Project Locat W.O. Numbe			Netwon, IL 24091272				Sample ID: Date (s):		/2024
							(-)-		
Field Team M	Name: Name:		Justin Colp Danny Crum	0	Affiliation: Affiliation:		TekLab, Inc.		
Weather Con	ditions								
	Temp:	59	°F		Wind Direction:	□ N 🔽 S	□ E □ EW	sw 🗆	NE NW
	Precipitation:	<b>✓</b> None	Light [	Heavy	Sky:	<b>☑</b> Clear	Partly Clo	oudy 🗌 Clo	oudy
Well Observa	ations .								
		Well Pad		Good			Locks	Yes	No
	Dunk	Casing		Good Good		Prote	ective Casing	Х	V
Pot	۲۲۵۱ ference Mark/I	ective Casing		Yes			Well		X
Kei	lerence iviality	dentinication		163		ī			
Groundwate	r Level Measur	ements			Stati	ic Water Level:	9.46	feet below TO	OC
	Date/Time Mo	easured:	10/7/2024	9:56		Total Depth:	42.96	feet below To	oc
					\	Water Column:	33.50	feet	
Purging Activ	<u>rities</u>								
	Purged By:		JC			Purge Date:	10/7,	/2024	
	urge Method:		r Pump	_	Well Diameter:		-		
Pı	_			= 0.74 L x 3 Vol. =	2.22 L	*Based on Low-	Flow (3/8" disch	narge)	
<b>5</b> 1 : 1	_	ge Volume (L):					0.1		
Physical	appearance of	purge water:		lear	Odor: None Colo				ı
				Specific		Dissolved			
	Cumulative	Purge Rate	pH	Conductivity	- (0.5)	Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
9:57	0.0	174		T	purge start		1	1	
10:05	1.4	$\downarrow$	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 Act	ivities								
	Sampled By:	J	С	S	ample Date/Time:	10/7/2024	10:20		
Sai	mple Method:	Low	Flow	S	ample Equipment:	Bladder	r Pump		•
Sampl	e Parameters:	6.71	рН	1,119.30	Spec. Cond.	17.84	Temp	•	
	Field Filtered:	Yes	Filter Type:	In line disposa	ble				
	Water Level:	10.45	feet below To	OC	Drawdown:	0.99	feet		
Observations	/Comments: (	i.e., equipment m	alfunctions, conta	amination sources,	sampling difficulties; du	ıplicate sample)			
•	Field Meter:	45985							
Form C	ompleted By:	from	Colp			Date:	10/7,	/2024	

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Project Name	e:		NEW- 24	Q4	_	Mon	itoring Point:	APW19S	Duplicate
Project Locat	ion:		Netwon,	, IL	_		Sample ID:	08	81
W.O. Numbe	r (s):		2409127	72	•		Date (s):	10/7,	/2024
Field Team N	<mark>1embers</mark> Name: Name:		Brett Gilli Tracy Car		Affiliation:		TekLab, Inc. TekLab, Inc.		
Weather Cor	ditions								
weather cor	Temp:	61	_°F		Wind Direction:	□N ▼S	□ E □ EW	sw 🗆	NE 🗌 NW
	Precipitation:	✓ None	☐ Light	☐ Heavy	Sky:	<b>✓</b> Clear	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations								
		Well Pad		Good			Locks	Yes	No
		Casing		Good		Prote	ective Casing	Х	
	Prot	ective Casing		Good			Well		Х
Ref	erence Mark/I	dentification		Yes					
Groundwate	r Level Measu	rements			Stati	c Water Level:	8.63	feet below To	OC
	Date/Time M		10/7/20	024 10:05		Total Depth:		feet below To	
					- V	Vater Column:		feet	
Purging Activ	rities								
r diging Activ	Purged By:		BG			Purge Date:	10/7	/2024	
P	urge Method:		tic Pump		Well Diameter:	J		, 202 1	•
	•			 11.71 = 0.26 L x 3 Vol	•	*Based on Low-	<del>-</del> ·Flow (3/8" discl	harge)	
	_	ge Volume (L):		.50 L			(0,0 0.00	9-7	
Physical	appearance of			Clear	Odor:	None	Color:	None	
,				- Caracter			-		
	Cumulative	Purge Rate	рН	Specific Conductivity		Dissolved	ORP	Turbidity	
Purge Time	Purge Vol.(L)	_	(S.U.)	(μS/cm)	Temp (°C)	Oxygen (mg/L)	(mV)	(NTU)	Other
10:16	0.0	132	(0.0.)	(50)	purge start		()	()	0 1.10.
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	19.09	2.02	-72.90	8.04	
10.55	2.3		0.33	3,113.00	13.13	2.02	72.30	0.04	
Sampling Act									
	Sampled By:		3G		Sample Date/Time:	10/7/2024			
	mple Method:		Flow		ample Equipment:	Peristalt	-	-	
•	e Parameters:	6.39	pH	5,119.00	Spec. Cond.	19.15	Temp		
	Field Filtered: Water Level:		Filter Ty feet belov	pe: In line disposa	Drawdown:	3.45	foot		
	water Lever.	12.06	- leet belov	VIOC	Diawdowii.	3.43	_feet		
Observations	Comments:	i.e., equipment n	nalfunctions, c	contamination sources,	sampling difficulties; du	plicate sample)			
•	Field Meter:	46868							
		D . M.	101.						
Form C	ompleted By:	But &	War-			Date:	10/7	/2024	

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Project Name	e:		NEW- 24	Q4			Mon	itoring Point	: Equipme	nt Blank 1
<b>Project Locat</b>	tion:		Netwon	, IL	_			Sample ID:	. 0	82
W.O. Numbe	er (s):		240912	72	-			Date (s):		
					=			2000 (0)		
Field Team M	<u>/lembers</u>									
	Name:				Af	ffiliation:				
	Name:				- At	ffiliation:				-
					=					•
Weather Cor	nditions									
	Temp:		°F		Wind D	irection:	$\square$ N $\square$ S	□ E □ EW	/ □ sw □	NE 🗌 NW
	·		_							
	Precipitation:	None	Light	□ Heave		Sky		_ ptl cl .		
	Frecipitation.	□ None	Light	☐ Heavy		JKy.	☐ Clear	Partiy Cid	oudy L Cic	oudy
Well Observa	ations									
170 0.030	<u> </u>	Well Pad						Locks	Yes	No
							Droto			140
		Casing					Prote	ctive Casing	Х	.,
		ective Casing					i	Well		Х
Ref	ference Mark/	Identification								
						a			· · · · · -	• •
Groundwate	r Level Measu					Stati	c Water Level:		feet below To	
	Date/Time M	easured:			_		Total Depth:		_feet below To	OC
						\	Water Column:	#VALUE!	_feet	
Purging Activ	vitios									
ruigilig Activ							Divers Date:			
_	Purged By:				-		Purge Date:			
	Purge Method:			<u></u>	Well D	iameter:		•		
P	urge Volume C									
	Actual Pur	ge Volume (L)	•	L	_					
Physical	appearance of	purge water:			_	Odor:		Color	:	_
	T	1		Constin	_		Dissalused		1	I
	Cumanilatina	Duras Data		Specific			Dissolved	ODD	Turkiditu	
Duras Times	Cumulative	Purge Rate	pH (S.L.)	Conductivity	Taman	(°C)	Oxygen	ORP	Turbidity	Othor
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp		(mg/L)	(mV)	(NTU)	Other
	0.0			1	рі	urge start	time		1	
	0.0	$\downarrow$								
Sampling Act										
	Sampled By:				Sample Da	te/Time:				-
Sa	mple Method:			S	Sample Equ	uipment:			_	
Sampl	le Parameters:		рН		Spec. Cor	nd.		Temp		
	Field Filtered:		Filter Ty	/pe:	=			•		
	Water Level:		feet belov		Dra	awdown:	•	feet		
Observations	s/Comments: (	i.e., equipment n	nalfunctions, o	contamination sources,	sampling dif	ficulties; du	plicate sample)			
•	Field Meter:									
•	Not used									
Form (	Completed By:						Date:			
	p.ccca by.						Dutc.			-



Project Name	e:		NEW- 24Q	4		Moni	toring Point:	Equipme	nt Blank 2
<b>Project Locat</b>	ion:		Netwon, II	<u>_</u>	-		Sample ID:	0:	83
W.O. Numbe	er (s):		24091272		<del>.</del>		Date (s):	10/8	/2024
Field Team N	<u>lembers</u>								
	Name:		Justin Colp	)	Affiliation:		TekLab, Inc.		_
	Name:		Danny Crun	пр	Affiliation:	-	TekLab, Inc.		
	1								_
Weather Cor	<u>.</u>		0					. – –	
	Temp:	62	_°F		Wind Direction:	L N M S	_ E  _ EW	L SW L	NE L NW
	Dun sinitation.				Cl				
	Precipitation:	<b>✓</b> None	Light	Heavy	Sky:	<b>✓</b> Clear	☐ Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations								
		Well Pad					Locks	Yes	No
		Casing				Prote	ctive Casing		Х
	Prot	ective Casing				_	Well		Х
Ref	ference Mark/l	Identification				_			
<u> </u>					Class			Control T	00
Groundwate	r Level Measu				Stat	ic Water Level:		feet below To	
	Date/Time M	easurea:	-		<u>.</u>	Total Depth: _ Water Column:	- #VALUE!	feet below To feet	OC
					,	water column.	#VALUE!	ieet	
Purging Activ	<u>rities</u>								
	Purged By:				_	Purge Date:			_
P	urge Method:				Well Diameter:				_
P	urge Volume C	alculation (L):				*Based on Low-F	low (3/8" disch	harge)	
	Actual Pur	ge Volume (L):	:	L		_			
Physical	appearance of	purge water:			Odor:		Color:		_
				Specific	- I	Dissolved		<u> </u>	1
	Cumulative	Purge Rate	рН	Conductivity		Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp (°C)	(mg/L)	(mV)	(NTU)	Other
	0.0	, ,	` '		purge star		. ,		
	l		I						
Sampling Act									
	Sampled By:				Sample Date/Time:	10/8/2024	12:50		=
Sa	mple Method:	Direct	Sample	s	ample Equipment:			_	
Sampl	e Parameters:		_pH		Spec. Cond.		Temp		
	Field Filtered:		Filter Type			_			
	Water Level:		feet below	ГОС	Drawdown:		feet		
Observations	s/Comments: (	i.e., equipment m	nalfunctions, con	tamination sources,	sampling difficulties; du	uplicate sample)			
	Field Meter:	,	,	,	, , , , , , , , , , , , , , , , , , , ,	,,			
	QA/QC Samp	le							
	·								
		A.	- //						
		plot	= Colp						
Form C	Completed By:	<u></u>				Date:	10/8	/2024	_



Project Name	e:	NEW- 24Q4 Netwon. IL					Moni	toring Point:	Equipme	nt Blank 3
<b>Project Locat</b>	ion:		Netwon, IL		-			Sample ID:	08	84
W.O. Numbe	er (s):		24091272					Date (s):		
Field Team N	<u>lembers</u>									
	Name:				Affil	liation:				
	Name:				Affil	liation:				_
Weather Cor	ditions									
weather cor	Temp:		°F		Wind Dire	ection:	□N □S I	□ E □ EW	v □ sw □	NE NW
	- <b>,</b> -		•							
	Precipitation:	☐ None	Light [	Heavy		Sky:	☐ Clear ☐	Partly Clo	oudy 🔲 Clo	oudy
Well Observa	ations									
		Well Pad						Locks	Yes	No
		Casing					Prote	ctive Casing		Х
	Prot	ective Casing						Well		Х
Re	ference Mark/	Identification								
Groundwate	r Level Measu	rements				Stati	c Water Level:		feet below To	OC
	Date/Time M	easured:					Total Depth:	-	feet below To	OC
					•	٧	Vater Column:		feet	
Purging Activ	<u>rities</u>									
	Purged By:				_		Purge Date:			_
P	urge Method:			_	Well Dia	meter:				
Р	urge Volume C	alculation (L):								
		ge Volume (L):		L	_					
Physical	appearance of	purge water:				Odor:		Color:		
				Specific			Dissolved			
	Cumulative	Purge Rate	рН	Conductivity			Oxygen	ORP	Turbidity	
Purge Time	Purge Vol.(L)	(mL/m)	(S.U.)	(μS/cm)	Temp	(°C)	(mg/L)	(mV)	(NTU)	Other
	0.0				pur	ge start	time			
Sampling Act	tivities									
Sampling Act	Sampled By:			S	ample Date	/Time:				
Sa	mple Method:			_	ample Equip					•
	e Parameters:		рН	-	Spec. Cond			Temp	-	
	Field Filtered:		.' Filter Type:			•				
	Water Level:		feet below To		Draw	down:		feet		
			-			•				
		i.e., equipment m	alfunctions, conta	amination sources,	sampling diffic	ulties; du	plicate sample)			
	Field Meter: Not used									
•	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 Meter ID:	Pine	45985	Technician(s):	jus	tin colp	Date:	10,	/1/2024
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/1/24 9:36		1,412 μS Std.	100029	1412	10/1/24 9:4
7.0 Buffer	wc240913b	6.99	10/1/24 9:32			•		
10.0 Buffer	wc240625b	9.98	10/1/24 9:40		<b>Turbidity Standard</b>	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	wc240913c				0 NTU (DI Water)	1	0.48	10/1/24 9:4
_					124 NTU	95834		
ORP Standard	LIMS ID/Lot#	Reading	Date/Time		D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
					100%	N/A		
Cample ID	Comple Tune	Date/Time	Temp.	рН	Conductivity	Turbidity	ORP	D.O.
Sample ID	Sample Type	Date/Time	°C	S.U.	μS	NTU	mV	%
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:								
	Pine	45985	Technician(s):	jus	tin colp	Date:	10,	/2/2024
Comments: _			• • •	jus	· .	-		
Comments:  Field Meter ID:  pH Standards	LIMS ID	Calibration reading	Date/Time	jus	Conductivity Standard	LIMS ID	Reading	Date/Time
Comments:  Field Meter ID:  pH Standards 4.0 Buffer	LIMS ID wc240612a	Calibration reading 4.01	Date/Time 10/2/24 8:25	jus	· .	-		
Comments:  Field Meter ID:  pH Standards	LIMS ID	Calibration reading	Date/Time	jus	Conductivity Standard	LIMS ID	Reading	Date/Time 10/2/24 8:3
Comments:  Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc240612a wc240913b	Calibration reading 4.01 7.01	Date/Time 10/2/24 8:25 10/2/24 8:19	jus	Conductivity Standard 1,412 μS Std.	LIMS ID 10029	Reading 1410	Date/Time 10/2/24 8:3 Date/Time
Comments:  Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID wc240612a wc240913b wc240625b	Calibration reading 4.01 7.01	Date/Time 10/2/24 8:25 10/2/24 8:19	jus	Conductivity Standard 1,412 µS Std.	LIMS ID 10029 LIMS ID	Reading 1410 Reading	Date/Time 10/2/24 8:3 Date/Time
Comments:  Field Meter ID:  pH Standards  4.0 Buffer  7.0 Buffer	LIMS ID wc240612a wc240913b wc240625b	Calibration reading 4.01 7.01	Date/Time 10/2/24 8:25 10/2/24 8:19	jus	Conductivity Standard 1,412 μS Std. [ Turbidity Standard 0 NTU (DI Water)	LIMS ID 10029 LIMS ID 1	Reading 1410 Reading	Date/Time
Comments:  Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer .CS/CCV (7.0 Buffer)	LIMS ID wc240612a wc240913b wc240625b wc240913c	Calibration reading 4.01 7.01 10.02	Date/Time 10/2/24 8:25 10/2/24 8:19 10/2/24 8:30	jus	Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU	LIMS ID  10029  LIMS ID  1  95834	Reading 1410 Reading 0.51	Date/Time 10/2/24 8:3 Date/Time 10/2/24 8:3
Comments:  Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard	LIMS ID wc240612a wc240913b wc240625b wc240913c	Calibration reading 4.01 7.01 10.02  Reading	Date/Time 10/2/24 8:25 10/2/24 8:19 10/2/24 8:30	jus	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation	LIMS ID  10029  LIMS ID  1  95834  LIMS ID/Lot#	Reading 1410 Reading 0.51	Date/Time 10/2/24 8:3 Date/Time 10/2/24 8:3
Comments:  Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer .CS/CCV (7.0 Buffer)	LIMS ID wc240612a wc240913b wc240625b wc240913c	Calibration reading 4.01 7.01 10.02	Date/Time 10/2/24 8:25 10/2/24 8:19 10/2/24 8:30 Date/Time	·	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%	LIMS ID 10029  LIMS ID 1 95834  LIMS ID/Lot#  N/A	Reading 1410 Reading 0.51 Reading	Date/Time  10/2/24 8:3  Date/Time  10/2/24 8:3  Date/Time
Comments:  Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer .CS/CCV (7.0 Buffer)  ORP Standard	LIMS ID wc240612a wc240913b wc240625b wc240913c	Calibration reading 4.01 7.01 10.02  Reading	Date/Time  10/2/24 8:25  10/2/24 8:19  10/2/24 8:30  Date/Time  Temp.	рн	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity	LIMS ID 10029  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity	Reading 1410 Reading 0.51 Reading	Date/Time 10/2/24 8:3  Date/Time 10/2/24 8:3  Date/Time
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard	LIMS ID wc240612a wc240913b wc240625b wc240913c LIMS ID/Lot#	Calibration reading 4.01 7.01 10.02  Reading  Date/Time	Date/Time 10/2/24 8:25 10/2/24 8:19 10/2/24 8:30  Date/Time  Temp. °C	<b>pH</b> S.U.	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS	LIMS ID 10029  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity NTU	Reading 1410 Reading 0.51 Reading	Date/Ti  10/2/24  Date/Ti  10/2/24  Date/Ti

#### Site Samping Event: NEW- 24Q4 LIMS Workorder: 24091272 Technician(s): JC, DC, TC, BG

#### Field Calibration Log(s) Newton- 4Q 2024

Field Meter ID:	Pine	43918	Technician(s):	jus	tin colp	Date:	10,	/3/2024
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/3/24 8:09		1,412 μS Std.	10029	1412	10/3/24 8:2
7.0 Buffer	wc240913b	7.00	10/3/24 8:02		<u>-</u>			
10.0 Buffer	wc240625b	10.00	10/3/24 8:14		<b>Turbidity Standard</b>	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	wc240913c				0 NTU (DI Water)	1	0.41	10/3/24 8:2
_			_		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.	рН	Conductivity	Turbidity	ORP	D.O.
oupro 12		Dute, Imie	°C	S.U.	μS	NTU	mV	%
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		
			24.4	7.00	4 440	0.47		
CCV-3-JC  Comments:	ccv	10/3/24 13:35	21.4	7.06	1,419	0.47		
			Technician(s):		1,419	-	10,	/7/2024
Comments:	Pine	e 43918	Technician(s):	jus	tin colp	Date:		
Comments:  Field Meter ID:  pH Standards	Pine LIMS ID	e 43918  Calibration reading	Technician(s): Date/Time	jus	tin colp Conductivity Standard	Date: _	Reading	Date/Time
Comments: Field Meter ID:  pH Standards 4.0 Buffer	Pine LIMS ID wc240612a	e 43918  Calibration reading 4.00	Technician(s):	jus	tin colp	Date:		
Comments:  Field Meter ID:  pH Standards	Pine LIMS ID	e 43918  Calibration reading	Technician(s): Date/Time	jus	tin colp Conductivity Standard	Date: _	Reading	Date/Time
Comments: Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	Pine LIMS ID wc240612a wc240913b	e 43918  Calibration reading 4.00 7.00	Technician(s):	jus	tin colp Conductivity Standard 1,412 μS Std.	Date:_ LIMS ID 10029	Reading 1412	Date/Time 10/7/24 9:4
Comments:  Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	Pine LIMS ID wc240612a wc240913b wc240625b	e 43918  Calibration reading 4.00 7.00	Technician(s):	jus	tin colp  Conductivity Standard 1,412 µS Std.  Turbidity Standard	Date:	Reading 1412 Reading	Date/Time 10/7/24 9:4 Date/Time
Comments: Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer	Pine LIMS ID wc240612a wc240913b wc240625b	e 43918  Calibration reading 4.00 7.00	Technician(s):	jus	tin colp  Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water)	Date:_ LIMS ID 10029 LIMS ID	Reading 1412 Reading	Date/Time 10/7/24 9:4 Date/Time
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer CS/CCV (7.0 Buffer)	Pine LIMS ID wc240612a wc240913b wc240625b wc240913c	2 43918  Calibration reading 4.00 7.00 10.00	Technician(s):	jus	tin colp Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU	Date:	Reading 1412 Reading 0.12	Date/Time 10/7/24 9: Date/Time 10/7/24 9:
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard	Pine LIMS ID wc240612a wc240913b wc240625b wc240913c LIMS ID/Lot#	2 43918  Calibration reading 4.00 7.00 10.00  Reading	Technician(s):	jus	tin colp  Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation	Date: LIMS ID 10029 LIMS ID 1 95834 LIMS ID/Lot#	Reading 1412 Reading 0.12	Date/Time 10/7/24 9:4 Date/Time 10/7/24 9:4
Comments:  Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	Pine LIMS ID wc240612a wc240913b wc240625b wc240913c	2 43918  Calibration reading 4.00 7.00 10.00	Technician(s):	jus	tin colp  Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%	Date: LIMS ID 10029 LIMS ID 1 95834 LIMS ID/Lot# N/A	Reading 1412 Reading 0.12 Reading	Date/Time 10/7/24 9:4  Date/Time 10/7/24 9:4  Date/Time
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer CCS/CCV (7.0 Buffer)  ORP Standard	Pine LIMS ID wc240612a wc240913b wc240625b wc240913c LIMS ID/Lot#	2 43918  Calibration reading 4.00 7.00 10.00  Reading	Technician(s):	jus	tin colp  Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity	Date:LIMS ID 10029 LIMS ID 1 95834 LIMS ID/Lot# N/A Turbidity	Reading 1412 Reading 0.12 Reading	Date/Time  Date/Time  Date/Time  Date/Time
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer .CS/CCV (7.0 Buffer)  ORP Standard  Sample ID	LIMS ID wc240612a wc240913b wc240625b wc240913c LIMS ID/Lot#	Calibration reading 4.00 7.00 10.00  Reading  Date/Time	Technician(s):	jus pH S.U.	tin colp  Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS	Date: LIMS ID 10029 LIMS ID 1 95834 LIMS ID/Lot# N/A Turbidity NTU	Reading 1412 Reading 0.12 Reading	Date/Tim  10/7/24 9:  Date/Tim  Date/Tim



#### Site Samping Event: NEW- 24Q4 LIMS Workorder: 24091272 Technician(s): JC, DC, TC, BG

#### Field Calibration Log(s) Newton- 4Q 2024

Field Meter ID:	Din	e 43918	Technician(s):	iusti	n colp	Date:	10	/8/2024
rieiu ivietei ib.	PIIR	2 43910	recimician(s).	Justii	псоір	Date.	10,	76/2024
pH Standards	LIMS ID	Calibration reading	Date/Time	С	onductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/8/24 8:49		1,412 μS Std.	10029	1412	10/8/24 8:58
7.0 Buffer	wc240913b	7.00	10/8/24 8:46		<u>-</u>			
10.0 Buffer	wc240625b	10.00	10/8/24 8:53		<b>Turbidity Standard</b>	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	wc240913c				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		
				_'	-			
		/	Temp.	На	Conductivity	Turbidity	ORP	D.O.

Sample ID	Sample Type	Date/Time	Temp.	pН	Conductivity	Turbidity	ORP	D.O.
Sample 1D	Sample Type	Date/Time	°C	S.U.	μS	NTU	mV	%
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 Meter ID:	Pine	46868	Technician(s):	Tracy	Carroll	Date:	10/	2/2024
pH Standards	LIMS ID	Calibration reading	Date/Time	C	Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	WC240612A	4.00	10/2/24 8:54		1,412 μS Std.	100029	1412	10/2/24 9:08
7.0 Buffer	WC240913B	7.00	10/2/24 8:51					, ,
10.0 Buffer	WC240625B	10.00	10/2/24 8:57		<b>Turbidity Standard</b>	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	WC240913C				0 NTU (DI Water)	1		
<u>-</u>					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.	pН	Conductivity	Turbidity	ORP	D.O.
Sample 1D	Sample Type	Date/ Tille	°C	S.U.	μS	NTU	mV	%
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		Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	WC240612A	4.00	10/3/24 8:43		1,412 μS Std.	100029	1412	10/3/24 8:52
7.0 Buffer	WC240913B	7.00	10/3/24 8:38			•		
10.0 Buffer	WC240625B	10.00	10/3/24 8:47		Turbidity Standard	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	WC240913C				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		
<b>-</b>		•		l		•		
Sample ID	Sample Type	Date/Time	<b>Temp.</b> °C	<b>pH</b> S.U.	Conductivity µS	<b>Turbidity</b> 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:					1	l		

#### Site Samping Event: NEW- 24Q4 LIMS Workorder: 24091272 Technician(s): JC, DC, TC, BG

Field Calibration Log(s) Newton- 4Q 2024

Field Meter ID:	Pine	46868	Technician(s):	Tracy	/ Carroll	Date: _	10/	/7/2024
pH Standards	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	WC240612A	4.00	10/7/24 10:07		1,412 μS Std.	100029	1412	10/7/24 10:
7.0 Buffer	WC240913B	7.00	10/7/24 10:05					
10.0 Buffer	WC240625B	9.99	10/7/24 10:09		<b>Turbidity Standard</b>	LIMS ID	Reading	Date/Time
LCS/CCV (7.0 Buffer)	WC240913C				0 NTU (DI Water)	1	1.01	10/7/24 10:
_					124 NTU	95834		
ORP Standard	LIMS ID/Lot#	Reading	Date/Time		D.O. Saturation	LIMS ID/Lot# N/A	Reading	Date/Time
L					100%[	N/A		
Sample ID	Sample Type	Date/Time	Temp.	рН	Conductivity	Turbidity	ORP	D.O.
			°C	S.U.	μS	NTU	mV	%
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:								
Comments: _	Pine	· 46868	Technician(s):	Trace	y Carroll	Date: _	10,	/8/2024
	Pine LIMS ID	e 46868  Calibration reading	Technician(s):			Date: _		
Field Meter ID:			• • •		/ Carroll  Conductivity Standard 1,412 µS Std.	_	10, Reading 1412	Date/Time
Field Meter ID:	LIMS ID	Calibration reading	Date/Time		Conductivity Standard	LIMS ID	Reading	Date/Time
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID WC240612A WC240913B WC240625B	Calibration reading 4.00	Date/Time 10/8/24 9:33		Conductivity Standard 1,412 μS Std. Turbidity Standard	LIMS ID 100029	Reading	Date/Time 10/8/24 9:
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID WC240612A WC240913B	Calibration reading 4.00 7.00	Date/Time 10/8/24 9:33 10/8/24 9:23		Conductivity Standard 1,412 μS Std. [ Turbidity Standard 0 NTU (DI Water)	LIMS ID 100029 LIMS ID 1	Reading 1412	/8/2024  Date/Time 10/8/24 9::  Date/Time
Field Meter ID:  pH Standards  4.0 Buffer 7.0 Buffer	LIMS ID WC240612A WC240913B WC240625B	Calibration reading 4.00 7.00	Date/Time 10/8/24 9:33 10/8/24 9:23		Conductivity Standard 1,412 μS Std. Turbidity Standard	LIMS ID 100029	Reading 1412	Date/Time 10/8/24 9:5
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer	LIMS ID WC240612A WC240913B WC240625B	Calibration reading 4.00 7.00	Date/Time 10/8/24 9:33 10/8/24 9:23		Conductivity Standard 1,412 μS Std. [ Turbidity Standard 0 NTU (DI Water)	LIMS ID 100029 LIMS ID 1	Reading 1412	Date/Time 10/8/24 9:5
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	LIMS ID WC240612A WC240913B WC240625B WC240913C	Calibration reading 4.00 7.00 10.00	Date/Time 10/8/24 9:33 10/8/24 9:23 10/8/24 9:52		Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU	LIMS ID 100029 LIMS ID 1 95834	Reading 1412 Reading	Date/Time
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer .CS/CCV (7.0 Buffer)	LIMS ID WC240612A WC240913B WC240625B WC240913C	Calibration reading 4.00 7.00 10.00	Date/Time 10/8/24 9:33 10/8/24 9:23 10/8/24 9:52		Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU D.O. Saturation	LIMS ID 100029  LIMS ID 1 95834  LIMS ID/Lot#	Reading 1412 Reading	Date/Time 10/8/24 9:: Date/Time
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)	LIMS ID WC240612A WC240913B WC240625B WC240913C	Calibration reading 4.00 7.00 10.00	Date/Time 10/8/24 9:33 10/8/24 9:23 10/8/24 9:52		Conductivity Standard 1,412 µS Std. Turbidity Standard 0 NTU (DI Water) 124 NTU D.O. Saturation	LIMS ID 100029  LIMS ID 1 95834  LIMS ID/Lot#	Reading 1412 Reading	Date/Time 10/8/24 9:: Date/Time
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard	LIMS ID WC240612A WC240913B WC240625B WC240913C LIMS ID/Lot#	Calibration reading 4.00 7.00 10.00 Reading	Date/Time 10/8/24 9:33 10/8/24 9:33 10/8/24 9:52  Date/Time  Temp.	рН	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity	LIMS ID 100029  LIMS ID 1 95834  LIMS ID/Lot# N/A  Turbidity	Reading 1412 Reading Reading	Date/Tim  Date/Tim  Date/Tim
Field Meter ID:  pH Standards 4.0 Buffer 7.0 Buffer 10.0 Buffer LCS/CCV (7.0 Buffer)  ORP Standard  Sample ID	LIMS ID WC240612A WC240913B WC240625B WC240913C LIMS ID/Lot#	Calibration reading 4.00 7.00 10.00  Reading  Date/Time	Date/Time 10/8/24 9:33 10/8/24 9:33 10/8/24 9:52  Date/Time  Temp. °C	<b>pH</b> S.U.	Conductivity Standard 1,412 µS Std.  Turbidity Standard 0 NTU (DI Water) 124 NTU  D.O. Saturation 100%  Conductivity µS	LIMS ID  100029  LIMS ID  1  95834  LIMS ID/Lot#  N/A  Turbidity  NTU	Reading 1412 Reading Reading	Date/Tim  Date/Tim  Date/Tim





#### 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 N	oup # 5 Name Disolved Accy Pct of Re			Range Acc % Reading Acc % Plus/Minus	3.0000		THE STATE OF THE PARTY OF THE P
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 Instrument	Test Instruments Used During the Calibration						
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	Ореней Вис	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



#### 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 18K101874

Number

Location Maryland

Department

State Certified

Status Pass

Temp °C 23

Humidity % 69

	The latest terminal t	THE PARTY.	A 17 Y C R	STATISTICS.	( - Lat 1	Balls	
I was to be a second		Calibr	ation Specific	ations			
Gro	up # 1			Range Acc %	0.0000		
	lame PH			Reading Acc %	3.0000		
Stated	Accy Pct of Re	ading		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
Gro	up# 2			Range Acc %	0.0000		-
Group N	ame Turbidity			Reading Acc %	3.0000		
Stated A	Accy Pct of Re	ading		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
Grou	up # 3			Range Acc %	0.0000		
Group Na	ame Conductiv	vity		Reading Acc %	3.0000		
Stated A	ccy Pct of Re	ading		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
Gro	up# 4			Range Acc %	0.0000		
Group N	ame Redox (C	(RP)		Reading Acc %	3.0000		
Stated A	Accy Pct of Re	ading		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
Gro	up # 5	A COLOR	STOLL LEVEL	Range Acc %	0.0000		
The state of the s	ame Disolved	Oxygen Span		Reading Acc %			
Stated	Accy Pct of Re	ading		Plus/Minus			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

#### 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 !	oup # 5 Name Disolved Accy Pct of Re	Control of the Contro		Range Acc Reading Acc Plus/Min	% 3.0000		
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 Calibr	ration			(As Of Cal Entry Date)
Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Next Cal Date / Last Cal Date / Expiration Date Opened Date
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



#### 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

In Type

In Type

Out Val

Out Val

Manufacturer YSI

Model Number Pro DSS

Serial Number/ Lot 19E101797

Number

Location St. Louis

Department

Nom In Val / In Val

Nom In Val / In Val

State Certified

Status Pass

Temp °C 22.2

Humidity % 43

		Calib	ration Specific	ations			
Group # 1 Group Name PH				Range Acc % Reading Acc %			
	Accy Pet of Re	eading		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
Gre	oup# 2			Range Acc %	0.0000		
Group N	Name Turbidity	У		Reading Acc %	3.0000		
Stated	Accy Pct of Re	eading		Plus/Minus	0.00		
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fai
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
Gro	oup # 3			Range Acc %	0.0000		
Group N	Name Conduct	ivity		Reading Acc %			
Stated	Accy Pct of Re	eading		Plus/Minus	0.000		
	311.6 316.3 13						

1.413 / 1.413	ms/cm	1.413	ms/cm	1.481	1.413	0.00%	Pass
G	roup # 4			Range Acc %	0.0000		
Group	Name Redox (C	ORP)		Reading Acc %	3.0000		
State	d Accy Pct of Re	eading		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
G	roup # 5			Range Acc %	0.0000		
Group	Name Disolved	Oxygen Span		Reading Acc %	3.0000		
State	d Accy Pct of Re	ading		Plus/Minus	0.0		

Out Type

Fnd As

Fnd As

Lft As

Out Type



## 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 100.00 / 100.00	In Type	Out Val 100.00	Out Type	Fnd As 99.10	Lft As 100.30	Dev% 0.30%	Pass/Fail Pass

Test Instruments	(As Of Cal E	(As Of Cal Entry Date)				
Test Standard ID	<u>Description</u>	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal 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: GC0526	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
J TURB 124 TU LOT: 4011758	124 NTU STANDARD	GFS	8172	24011758	5/24/2024	5/31/2025

#### Notes about this calibration

Calibration Result Calibration Successful Who Calibrated James Stelle

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment Please call 800-301-9663 for Technical Assistance

# Pine Environmental Services LLC

92 North Main 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 19K103392 Number

Location New Jersey

Department

State Certified

Status Pass Temp °C 22.5

Humidity % 62

		Calib	ration Specific	ations			
	oup # 1			Range Acc %			
	Name PH			Reading Acc %	3.0000		
	Accy Pct of Re	eading		Plus/Minus	0.00		
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fa
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
	oup # 2			Range Acc %	0.0000		
Group	Name Turbidity	y (NTU)		Reading Acc %			4
Stated	Accy Pct of R	eading		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
	oup # 3			Range Acc %	0.0000		
	Name Conduct			Reading Acc %	3.0000		
Stated	Accy Pet of Re	eading		Plus/Minus	0.000		
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fai
1.413 / 1.413	ms/cm	1.413	ms/cm	1.453	1,413	0.00%	Pass
	oup # 4			Range Acc %	0.0000		
	Name Redox (C	7.54.59		Reading Acc %	3.0000		
Stated	Accy Pct of Re	ading		Plus/Minus	0.00		
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fai
240.00 / 240.00	my	240.00	mv	235.80	240.00	0.00%	Pass
Group # 5				Range Acc %	0.0000		
Group 1	Name Dissolved	d Oxygen Span		Reading Acc %	3.0000		
Stated	Accy Pct of Re	ading		Plus/Minus	0.00		
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

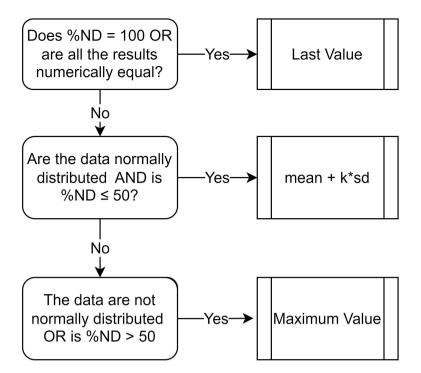
# APPENDIX B STATISTICAL METHODOLOGY FOR DETERMINATION OF BACKGROUND VALUES

#### 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

