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Illinois Power Resources Generating, LLC

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

LANDFILL
DUCK CREEK POWER PLANT
CANTON, ILLINOIS
CCR UNIT 204

2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT LANDFILL

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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

ASD Alternative Source Demonstration

CCR coal combustion residuals

D13 Quarter 3, 2023 Detection Monitoring sampling event
D13R Quarter 4, 2023 Detection Monitoring sampling event
D14 Quarter 1, 2024 Detection Monitoring sampling event
D14R Quarter 2, 2024 Detection Monitoring sampling event
D15 Quarter 3, 2024 Detection Monitoring sampling event
D15R Quarter 4, 2024 Detection Monitoring sampling event

DCPP Duck Creek Power Plant
GMP Groundwater Monitoring Plan
GWPS groundwater protection standard

NA not applicable

Ramboll Ramboll Americas Engineering Solutions, Inc.

SAP Sampling and Analysis Plan SSI statistically significant increase

TBD to be determined

EXECUTIVE SUMMARY

This report has been prepared to provide the information required by Title 40 of the Code of Federal Regulations (40 C.F.R.) § 257.90(e) for the Landfill located at the Duck Creek Power Plant (DCPP) near Canton, Illinois.

Groundwater is being monitored at the Landfill in accordance with the Detection Monitoring Program requirements specified in 40 C.F.R. § 257.94.

No changes were made to the monitoring system in 2024 (no wells were installed or decommissioned).

The following statistically significant increases (SSIs) of 40 C.F.R. § 257 Appendix III parameters above background concentrations were reported in 2024:

pH at monitoring wells G12S and G15S

An Alternative Source Demonstration (ASD) was completed for the SSIs referenced above and the Landfill remains in the Detection Monitoring Program.

1. INTRODUCTION

This report has been prepared by Ramboll Americas Engineering Solutions, Inc. (Ramboll) on behalf of Illinois Power Resources Generating, LLC, to provide the information required by 40 C.F.R. § 257.90(e) for the Landfill located at the DCPP near Canton, 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:
 - At the start of the current annual reporting period, whether the CCR unit was operating under the Detection Monitoring Program in §257.94 or the Assessment Monitoring Program in §257.95.
 - ii. At the end of the current annual reporting period, whether the CCR unit was operating under the Detection Monitoring Program in §257.94 or the Assessment Monitoring Program in §257.95.
 - iii. If it was determined that there was a statistically significant increase over background for one or more constituents listed in Appendix III of §257 pursuant to §257.94(e):
 - A. Identify those constituents listed in Appendix III of §257 and the names of the monitoring wells associated with such an increase.

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

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

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

No changes have occurred to the monitoring program status in calendar year 2024 and the Landfill remains in the Detection Monitoring Program in accordance with 40 C.F.R. § 257.94.

3. KEY ACTIONS COMPLETED IN 2024

A summary of the samples collected from background and compliance monitoring wells in 2024 under the Detection 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 were made to the monitoring system (Ramboll, 2023a).

One groundwater sample was collected from each background and compliance well during each monitoring event. All samples were collected and analyzed in accordance with the Multi-Site Sampling and Analysis Plan (SAP) (Ramboll, 2023b).

Potentiometric surfaces for the semiannual sampling events are included in **Figures 2 and 3**. All available monitoring data and analytical results obtained under 40 C.F.R. § 257.90 through 257.98 in 2024 are presented in **Tables 1 and 2**. 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 SSIs of Appendix III parameters greater than background values. SSIs are summarized in **Table A** and highlighted in **Table 2**. Statistical background values are provided in **Table 3**. A flow chart showing the statistical methodology for determination of background values is included as **Appendix B**.

Potential alternative sources were evaluated as outlined in the 40 C.F.R. § 257.94(e)(2). An ASD was completed in 2024 for the SSIs summarized in **Table A**. The date the ASD was completed are also provided in **Table A**. The ASD was certified by a qualified professional engineer and is included in **Appendix C**. The Landfill remains in the Detection Monitoring Program.

Table A. 2024 Detection Monitoring Program Summary

| Event ID | Sampling Dates 1, 2, 3 | Analytical Data Receipt Date ⁴ | SSI (s) Determination Date | SSI(s) | ASD Completion Date |
|-------------------|---|--|-------------------------------|--------------------------|------------------------|
| D13 ⁵ | July 18 - July 25, 2023 | October 19, 2023 | January 17, 2024 | Calcium at well G06S; | April 16, 2024 |
| | | | | pH at well G12S | |
| D13R ⁵ | October 20 and 27, 2023 | January 2, 2024 | NA | NA | NA |
| D14 | January 18, 26, 29, and February 1, 2024 | March 6, 2024 | June 4, 2024 | pH at well G06S and G15S | September 2, 2024 |
| D14R | June 13, 2024 | June 16, 2024 | NA | NA | NA |
| D15 | July 24, 30, 31, and August 1, 2024 | August 29, 2024 | November 27, 2024 | pH at well G12S | TBD |
| D15R | October 16-23, 2024 | December 6, 2024 | NA | NA | NA |

Notes:

ASD: Alternative Source Demonstration

NA: not applicable

SSI: Statistically Significant Increase

TBD: to be determined in 2025

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¹ All samples were analyzed for Appendix III parameters listed in 40 C.F.R. § 257.94(e)

² The following background wells were sampled for each event: G02S, G04S

³ The following compliance wells were sampled for each event: G06S, G09S, G12S, G15S

⁴ All data collected for the 40 C.F.R. § 257 monitoring program and Appendix III parameters that were analyzed under the Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845 program were included for background calculations in accordance with 40 C.F.R. § 257.94(e)(1).

⁵ Laboratory reports for this event were included in the 2023 Annual Groundwater Monitoring and Corrective Action Report.

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 Detection Monitoring Program with semiannual sampling scheduled for the first and third quarters of 2025.
- Complete evaluation of analytical data from the compliance wells using updated background data to determine whether an SSI of Appendix III parameters detected at concentrations greater than background concentrations has occurred.
- If an SSI is identified, potential alternate sources (*i.e.*, a source other than the CCR unit caused the SSI or that the SSI 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 SSI, a written demonstration will be completed within 90 days of SSI 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 SSI, the applicable requirements of 40 C.F.R. §§ 257.94 through 257.98 as may apply in 2025 (e.g., assessment monitoring) will be met, including associated recordkeeping/notifications required by 40 C.F.R. §§ 257.105 through 257.108.

6. REFERENCES

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

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

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

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

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023a. 40 C.F.R. § 257 Groundwater Monitoring Plan, Landfill, Duck Creek Power Plant, Canton, Illinois. December 31, 2023.

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

GROUNDWATER ELEVATION DATA

2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT

LANDFILL

CANTON, IL

| Well ID | Well Type | Monitored Unit | Date | Depth to Groundwater (feet BMP) | Groundwater Elevation (feet NAVD88) |
|---------|------------|-------------------|------------|---------------------------------|--|
| G02S | Background | UA | 01/24/2024 | [7.40] | [614.23] |
| G02S | Background | UA | 02/12/2024 | 7.33 | 614.29 |
| G02S | Background | UA | 03/12/2024 | 7.71 | 613.91 |
| G02S | Background | UA | 04/12/2024 | 7.28 | 614.35 |
| G02S | Background | UA | 05/22/2024 | 7.39 | 614.23 |
| G02S | Background | UA | 06/22/2024 | 9.65 | 611.97 |
| G02S | Background | UA | 07/22/2024 | 7.86 | 613.77 |
| G02S | Background | UA | 08/14/2024 | 9.19 | 612.59 |
| G02S | Background | UA | 09/14/2024 | 11.87 | 609.91 |
| G02S | Background | UA | 10/14/2024 | 14.06 | 607.73 |
| G02S | Background | UA | 11/07/2024 | 13.68 | 608.09 |
| G02S | Background | UA | 12/03/2024 | [10.81] | [610.98] |
| G04S | Background | UA | 01/24/2024 | [14.48] | [614.18] |
| G04S | Background | UA | 04/12/2024 | 9.71 | 618.95 |
| G04S | Background | UA | 07/22/2024 | 14.51 | 614.15 |
| G04S | Background | UA | 10/14/2024 | 20.80 | 607.91 |
| G06S | Compliance | UA | 01/17/2024 | 20.69 | 606.95 |
| G06S | Compliance | UA | 04/12/2024 | 19.34 | 608.30 |
| G06S | Compliance | UA | 07/22/2024 | 20.00 | 607.64 |
| G06S | Compliance | UA | 10/14/2024 | 23.34 | 604.21 |
| G09S | Compliance | UA | 01/17/2024 | 20.39 | 604.44 |
| G09S | Compliance | UA | 04/12/2024 | 19.64 | 605.19 |
| G09S | Compliance | UA | 07/22/2024 | 19.43 | 605.40 |
| G09S | Compliance | UA | 10/14/2024 | 21.98 | 602.75 |
| G12S | Compliance | UA | 01/17/2024 | 23.98 | 605.84 |
| G12S | Compliance | UA | 04/12/2024 | 20.20 | 609.62 |
| G12S | Compliance | UA | 07/22/2024 | 18.69 | 611.13 |
| G12S | Compliance | UA | 10/14/2024 | 24.23 | 605.68 |
| G15S | Compliance | UA | 01/17/2024 | 32.31 | 601.76 |
| G15S | Compliance | UA | 04/12/2024 | 23.51 | 610.56 |
| G15S | Compliance | UA | 07/22/2024 | 27.00 | 607.07 |
| G15S | Compliance | UA | 10/14/2024 | 33.15 | 601.04 |

Notes:

BMP = below measuring point

Bracketing [] indicates that the measurement was obtained outside of the episodic depth to groundwater measurements time frame. Depth to Groundwater/Groundwater Elevation Code (if applicable):

 DM^1 = Depth to water was not measured.

 DM^2 = Depth to water was not measured because water was above or below the staff gage markings.

 DM^3 = Depth to water was not measured because the location was inaccessible.

 DM^4 = Depth to water was not measured because water level was below the top of the pump.

 DM^5 = Depth to water was not measured because water level was above the top of casing (artesian well).

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

NAVD88 = North American Vertical Datum of 1988 Monitored Unit Abbreviations:

UA = uppermost aquifer

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ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT

LANDFILL

CANTON, IL

| Well ID | HSU | Well Type | Date | Event ID | Parameter | Unit | Result | Comparison Value | Background | SSI Type |
|---------|-----|------------|------------|----------|------------------------|------|-----------|---------------------|------------|-----------------------------|
| G02S | UA | Background | 01/29/2024 | D14 | Boron, total | mg/L | 0.0370 J+ | | | |
| G02S | UA | Background | 08/01/2024 | D15 | Boron, total | mg/L | 0.0560 | | | |
| G02S | UA | Background | 01/29/2024 | D14 | Calcium, total | mg/L | 97.0 | | | |
| G02S | UA | Background | 08/01/2024 | D15 | Calcium, total | mg/L | 99.0 | | | |
| G02S | UA | Background | 01/29/2024 | D14 | Chloride, total | mg/L | 4.8 U | | | |
| G02S | UA | Background | 08/01/2024 | D15 | Chloride, total | mg/L | 1.30 | | | |
| G02S | UA | Background | 01/29/2024 | D14 | Fluoride, total | mg/L | 0.257 J- | | | |
| G02S | UA | Background | 08/01/2024 | D15 | Fluoride, total | mg/L | 0.263 | | | |
| G02S | UA | Background | 01/29/2024 | D14 | pH (field) | SU | 6.5 | | | |
| G02S | UA | Background | 08/01/2024 | D15 | pH (field) | SU | 6.6 | | | |
| G02S | UA | Background | 01/29/2024 | D14 | Sulfate, total | mg/L | 0.18 U | | | |
| G02S | UA | Background | 08/01/2024 | D15 | Sulfate, total | mg/L | 0.33 J | | | |
| G02S | UA | Background | 01/29/2024 | D14 | Total Dissolved Solids | mg/L | 340 J+ | | | |
| G02S | UA | Background | 08/01/2024 | D15 | Total Dissolved Solids | mg/L | 430 | | | |
| G04S | UA | Background | 02/01/2024 | D14 | Boron, total | mg/L | 0.0140 J+ | | | |
| G04S | UA | Background | 07/24/2024 | D15 | Boron, total | mg/L | 0.0310 J+ | | | |
| G04S | UA | Background | 02/01/2024 | D14 | Calcium, total | mg/L | 140 | | | |
| G04S | UA | Background | 07/24/2024 | D15 | Calcium, total | mg/L | 130 | | | |
| G04S | UA | Background | 02/01/2024 | D14 | Chloride, total | mg/L | 14.0 | | | |
| G04S | UA | Background | 07/24/2024 | D15 | Chloride, total | mg/L | 15.0 | | | |
| G04S | UA | Background | 02/01/2024 | D14 | Fluoride, total | mg/L | 0.201 | | | |
| G04S | UA | Background | 07/24/2024 | D15 | Fluoride, total | mg/L | 0.24 J | | | |
| G04S | UA | Background | 02/01/2024 | D14 | pH (field) | SU | 7.4 | | | |
| G04S | UA | Background | 07/24/2024 | D15 | pH (field) | SU | 7.2 | | | |
| G04S | UA | Background | 02/01/2024 | D14 | Sulfate, total | mg/L | 220 | | | |
| G04S | UA | Background | 07/24/2024 | D15 | Sulfate, total | mg/L | 200 | | | |
| G04S | UA | Background | 02/01/2024 | D14 | Total Dissolved Solids | mg/L | 640 | | | |
| G04S | UA | Background | 07/24/2024 | D15 | Total Dissolved Solids | mg/L | 650 | | | |
| G06S | UA | Compliance | 01/18/2024 | D14 | Boron, total | mg/L | 0.0290 | 0.0290 | 0.157 | No Exceedance |
| G06S | UA | Compliance | 07/24/2024 | D15 | Boron, total | mg/L | 0.0180 J+ | 0.0180 | 0.157 | No Exceedance |
| G06S | UA | Compliance | 01/18/2024 | D14 | Calcium, total | mg/L | 140 | 140 | 160 | No Exceedance |
| G06S | UA | Compliance | 07/24/2024 | D15 | Calcium, total | mg/L | 120 | 120 | 160 | No Exceedance |
| G06S | UA | Compliance | 01/18/2024 | D14 | Chloride, total | mg/L | 6.40 | 6.40 | 20.0 | No Exceedance |
| G06S | UA | Compliance | 07/24/2024 | D15 | Chloride, total | mg/L | 17.0 | 17.0 | 20.0 | No Exceedance |
| G06S | UA | Compliance | 01/18/2024 | D14 | Fluoride, total | mg/L | 0.264 | 0.264 | 0.466 | No Exceedance |
| G06S | UA | Compliance | 07/24/2024 | D15 | Fluoride, total | mg/L | 0.25 UJ | 0.25 | 0.466 | No Exceedance |
| G06S | UA | Compliance | 01/18/2024 | D14 | pH (field) | SU | 8.4 | 8.4 | 6.5/7.2 | Reported |
| G06S | UA | Compliance | 06/13/2024 | D14R | pH (field) | SU | 7.1 | 7.1 | 6.5/7.2 | No Exceedance |
| G06S | UA | Compliance | 07/24/2024 | D15 | pH (field) | SU | 7.0 | 7.0 | 6.5/7.2 | No Exceedance |
| G06S | UA | Compliance | 10/23/2024 | D15R | pH (field) | SU | 6.9 | 6.9 | 6.5/7.2 | No Exceedance |
| G06S | UA | Compliance | 01/18/2024 | D14 | Sulfate, total | mg/L | 110 | 110 | 330 | No Exceedance |
| G06S | UA | Compliance | 07/24/2024 | D15 | Sulfate, total | mg/L | 350 | 350 | 330 | Exceedance Not Confirmed |
| G06S | UA | Compliance | 10/23/2024 | D15R | Sulfate, total | mg/L | 140 | 140 | 330 | No Exceedance |
| G06S | UA | Compliance | 01/18/2024 | D14 | Total Dissolved Solids | mg/L | 580 | 580 | 790 | No Exceedance |
| G06S | UA | Compliance | 07/24/2024 | D15 | Total Dissolved Solids | mg/L | 480 | 480 | 790 | No Exceedance |





ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT

LANDFILL

CANTON, IL

| Well ID | HSU | Well Type | Date | Event ID | Parameter | Unit | Result | Comparison Value | Background | SSI Type |
|---------|-----|------------|------------|----------|------------------------|------|-----------|---------------------|------------|---------------|
| G09S | UA | Compliance | 01/18/2024 | D14 | Boron, total | mg/L | 0.0550 J+ | 0.0550 | 0.157 | No Exceedance |
| G09S | UA | Compliance | 07/24/2024 | D15 | Boron, total | mg/L | 0.0230 J+ | 0.0230 | 0.157 | No Exceedance |
| G09S | UA | Compliance | 01/18/2024 | D14 | Calcium, total | mg/L | 120 | 120 | 160 | No Exceedance |
| G09S | UA | Compliance | 07/24/2024 | D15 | Calcium, total | mg/L | 110 | 110 | 160 | No Exceedance |
| G09S | UA | Compliance | 01/18/2024 | D14 | Chloride, total | mg/L | 15.0 | 15.0 | 20.0 | No Exceedance |
| G09S | UA | Compliance | 07/24/2024 | D15 | Chloride, total | mg/L | 15.0 | 15.0 | 20.0 | No Exceedance |
| G09S | UA | Compliance | 01/18/2024 | D14 | Fluoride, total | mg/L | 0.162 | 0.25 | 0.466 | No Exceedance |
| G09S | UA | Compliance | 07/24/2024 | D15 | Fluoride, total | mg/L | 0.211 J | 0.25 | 0.466 | No Exceedance |
| G09S | UA | Compliance | 01/18/2024 | D14 | pH (field) | SU | 6.5 | 6.5 | 6.5/7.2 | No Exceedance |
| G09S | UA | Compliance | 07/24/2024 | D15 | pH (field) | SU | 7.0 | 7.0 | 6.5/7.2 | No Exceedance |
| G09S | UA | Compliance | 01/18/2024 | D14 | Sulfate, total | mg/L | 45.0 | 45.0 | 330 | No Exceedance |
| G09S | UA | Compliance | 07/24/2024 | D15 | Sulfate, total | mg/L | 48.0 | 48.0 | 330 | No Exceedance |
| G09S | UA | Compliance | 01/18/2024 | D14 | Total Dissolved Solids | mg/L | 490 | 490 | 790 | No Exceedance |
| G09S | UA | Compliance | 07/24/2024 | D15 | Total Dissolved Solids | mg/L | 500 | 500 | 790 | No Exceedance |
| G12S | UA | Compliance | 01/26/2024 | D14 | Boron, total | mg/L | 0.01 U | 0.01 | 0.157 | No Exceedance |
| G12S | UA | Compliance | 07/24/2024 | D15 | Boron, total | mg/L | 0.01 UJ | 0.01 | 0.157 | No Exceedance |
| G12S | UA | Compliance | 01/26/2024 | D14 | Calcium, total | mg/L | 85.0 | 85.0 | 160 | No Exceedance |
| G12S | UA | Compliance | 07/24/2024 | D15 | Calcium, total | mg/L | 82.0 | 82.0 | 160 | No Exceedance |
| G12S | UA | Compliance | 01/26/2024 | D14 | Chloride, total | mg/L | 16.0 | 16.0 | 20.0 | No Exceedance |
| G12S | UA | Compliance | 07/24/2024 | D15 | Chloride, total | mg/L | 17.0 | 17.0 | 20.0 | No Exceedance |
| G12S | UA | Compliance | 01/26/2024 | D14 | Fluoride, total | mg/L | 0.268 J- | 0.268 | 0.466 | No Exceedance |
| G12S | UA | Compliance | 07/24/2024 | D15 | Fluoride, total | mg/L | 0.323 | 0.323 | 0.466 | No Exceedance |
| G12S | UA | Compliance | 01/26/2024 | D14 | pH (field) | SU | 6.6 | 6.6 | 6.5/7.2 | No Exceedance |
| G12S | UA | Compliance | 07/24/2024 | D15 | pH (field) | SU | 7.4 | 7.4 | 6.5/7.2 | Reported |
| G12S | UA | Compliance | 10/16/2024 | D15R | pH (field) | SU | 7.3 | 7.3 | 6.5/7.2 | Confirmed |
| G12S | UA | Compliance | 01/26/2024 | D14 | Sulfate, total | mg/L | 97.0 | 97.0 | 330 | No Exceedance |
| G12S | UA | Compliance | 07/24/2024 | D15 | Sulfate, total | mg/L | 94.0 | 94.0 | 330 | No Exceedance |
| G12S | UA | Compliance | 01/26/2024 | D14 | Total Dissolved Solids | mg/L | 440 J | 440 | 790 | No Exceedance |
| G12S | UA | Compliance | 07/24/2024 | D15 | Total Dissolved Solids | mg/L | 490 | 490 | 790 | No Exceedance |
| G15S | UA | Compliance | 01/26/2024 | D14 | Boron, total | mg/L | 0.0071 U | 0.01 | 0.157 | No Exceedance |
| G15S | UA | Compliance | 07/31/2024 | D15 | Boron, total | mg/L | 0.0180 | 0.0180 | 0.157 | No Exceedance |
| G15S | UA | Compliance | 01/26/2024 | D14 | Calcium, total | mg/L | 95.0 | 95.0 | 160 | No Exceedance |
| G15S | UA | Compliance | 07/31/2024 | D15 | Calcium, total | mg/L | 89.0 | 89.0 | 160 | No Exceedance |
| G15S | UA | Compliance | 01/26/2024 | D14 | Chloride, total | mg/L | 10.0 | 10.0 | 20.0 | No Exceedance |
| G15S | UA | Compliance | 07/31/2024 | D15 | Chloride, total | mg/L | 10.0 | 10.0 | 20.0 | No Exceedance |
| G15S | UA | Compliance | 01/26/2024 | D14 | Fluoride, total | mg/L | 0.226 J- | 0.125 | 0.466 | No Exceedance |
| G15S | UA | Compliance | 07/31/2024 | D15 | Fluoride, total | mg/L | 0.256 | 0.256 | 0.466 | No Exceedance |
| G15S | UA | Compliance | 01/26/2024 | D14 | pH (field) | SU | 6.4 | 6.4 | 6.5/7.2 | Reported |
| G15S | UA | Compliance | 06/13/2024 | D14R | pH (field) | SU | 7.3 | 7.3 | 6.5/7.2 | Confirmed |
| G15S | UA | Compliance | 07/31/2024 | D15 | pH (field) | SU | 7.0 | 7.0 | 6.5/7.2 | No Exceedance |
| G15S | UA | Compliance | 01/26/2024 | D14 | Sulfate, total | mg/L | 39.0 | 39.0 | 330 | No Exceedance |
| G15S | UA | Compliance | 07/31/2024 | D15 | Sulfate, total | mg/L | 42.0 | 42.0 | 330 | No Exceedance |
| G15S | UA | Compliance | 01/26/2024 | D14 | Total Dissolved Solids | mg/L | 420 J | 420 | 790 | No Exceedance |
| G15S | UA | Compliance | 07/31/2024 | D15 | Total Dissolved Solids | mg/L | 440 | 440 | 790 | No Exceedance |





ANALYTICAL RESULTS - APPENDIX III PARAMETERS

2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT LANDFILL CANTON, IL

Notes:

-- = not applicable

Comparison Value is different from the Result when the Result is below the Reporting Limit (RL). The Result will not be used in statistical calculations due to the inherent uncertainty in results that are below the RL. Half of the RL will be substituted for these data. See the *Multi-Site Statistical Analysis Plan* (Ramboll, 2022a) for more information.

Event IDs:

D14 = Quarter 1, 2024 Detection Monitoring sampling event

D14R = Quarter 2, 2024 Detection Monitoring resampling event

D15 = Quarter 3, 2024 Detection Monitoring sampling event

D15R = Quarter 4, 2024 Detection Monitoring resampling event

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

ID = identification

mg/L = milligrams 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.

NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.

NS³ = 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.

UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise. Statistically Significant Increase (SSI) Type:

No Exceedance: No exceedance of the background.

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

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

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

SU = Standard Units

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STATISTICAL BACKGROUND VALUES
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT

LANDFILL

CANTON, IL

| Parameter | Date Range | Sample Count | Percent Non- Detects | Statistical Calculation | Statistical Background Value (LPL/UPL) |
|-------------------------------|----------------------------|-----------------|-------------------------|--------------------------------------|--|
| Boron (mg/L) | 12/02/2015 - 01/31/2022 | 44 | 5 | Parametric UPL (log- transformed) | 0.157 |
| Calcium (mg/L) | 12/02/2015 - 01/31/2022 | 43 | 0 | Non-Parametric UPL | 160 |
| Chloride (mg/L) | 12/02/2015 - 01/31/2022 | 48 | 6 | Non-Parametric UPL | 20.0 |
| Fluoride (mg/L) | 12/02/2015 - 01/31/2022 | 44 | 16 | Parametric UPL (log- transformed) | 0.466 |
| pH (field) (SU) | 12/02/2015 - 01/31/2022 | 48 | 0 | Parametric LPL/UPL | 6.5/7.2 |
| Sulfate (mg/L) | 12/02/2015 - 01/31/2022 | 44 | 50 | Non-Parametric UPL | 330 |
| Total Dissolved Solids (mg/L) | 12/02/2015 - 01/31/2022 | 44 | 0 | Non-Parametric UPL | 790 |

Notes:

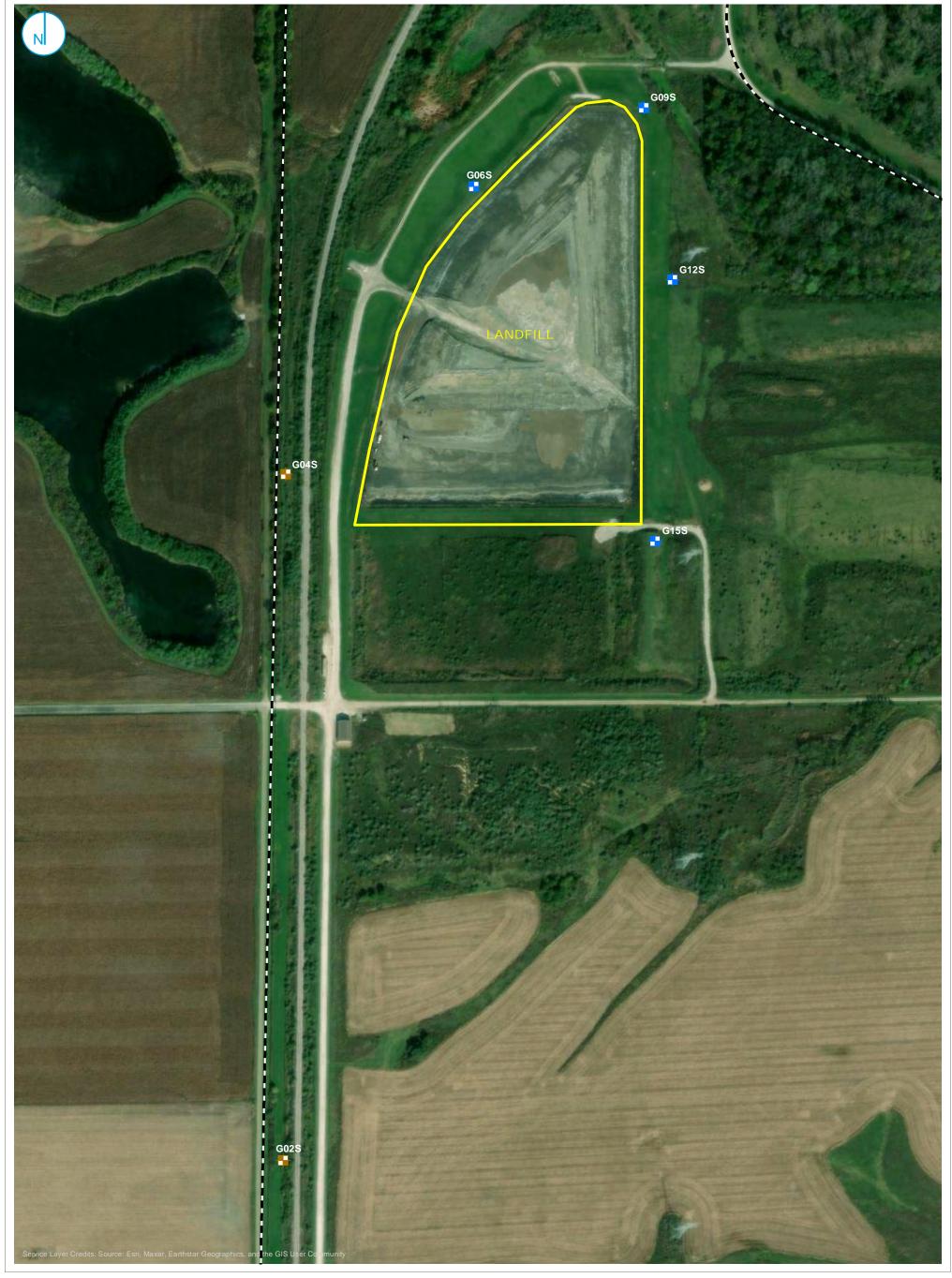
LPL = lower prediction limit (applicable for pH only)
mg/L = milligrams per liter
SU = standard units
UPL = upper prediction limit

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FIGURES



COMPLIANCE MONITORING WELL
BACKGROUND MONITORING WELL

REGULATED UNIT (SUBJECT UNIT)

PROPERTY BOUNDARY

MONITORING WELL LOCATION MAP

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT LANDFILL

DUCK CREEK POWER PLANT CANTON, ILLINOIS RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.



FIGURE 1



COMPLIANCE MONITORING WELL

BACKGROUND MONITORING WELL

PORE WATER WELL
MONITORING WELL

GROUNDWATER ELEVATION

CONTOUR (5-FT CONTOUR INTERVAL, NAVD88)

INTERVAL, NAVD88)

INFERRED GROUNDWATER
ELEVATION

→ GROUNDWATER FLOW DIRECTION REGULATED UNIT (SUBJECT UNIT)

PROPERTY BOUNDARY

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

POTENTIOMETRIC SURFACE MAP

LANDFILL DUCK CREEK POWER PLANT CANTON, ILLINOIS

JANUARY 17, 2024

FIGURE 2

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.





COMPLIANCE MONITORING WELL

LEACHATE

GROUNDWATER ELEVATION CONTOUR (5-FT CONTOUR BACKGROUND MONITORING WELL INTERVAL, NAVD88) MONITORING WELL

INFERRED GROUNDWATER **ELEVATION**

GROUNDWATER FLOW DIRECTION

REGULATED UNIT (SUBJECT UNIT) PROPERTY BOUNDARY

POTENTIOMETRIC SURFACE MAP **JULY 22, 2024**

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

LANDFILL

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.



FIGURE 3

APPENDICES

APPENDIX A LABORATORY REPORTS AND FIELD DATA SHEETS

DUCK EREEK, LANDFILL DC-257 204

Pace®

Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

March 06, 2024

Daryl Johnson Vistra - Duck Creek 17751 North Cilco Road Canton, IL 61520-8761

Dear Daryl Johnson:

Please find enclosed the analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Sincerely,

Diane Billings Project Manager

Diane Bellings

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

HA02826

Work Order

| YES | Samples received within temperature compliance when applicable |
|-----|--|
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| NO | Zero headspace, <6 mm present in VOA vials |
| NO | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| NO | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

Work Order HA03925

| YES | Samples received within temperature compliance when applicable |
|-----|--|
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| NO | Zero headspace, <6 mm present in VOA vials |
| NO | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

Work Order HA03926

| YES | Samples received within temperature compliance when applicable |
|-----|--|
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| NO | Zero headspace, <6 mm present in VOA vials |
| NO | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

Work Order HA04058

| YES | Samples received within temperature compliance when applicable |
|-----|--|
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| NO | Zero headspace, <6 mm present in VOA vials |
| NO | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| NO | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

Work Order HB00169

| YES | Samples received within temperature compliance when applicable |
|-----|--|
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| NO | Zero headspace, <6 mm present in VOA vials |
| NO | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

ANALYTICAL RESULTS

Sample: HA02826-02 Name: G06S

Matrix: Ground Water - Grab

Sampled: 01/18/24 14:14

Received: 01/18/24 16:57

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---------------------------------------|------------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 6.4 | mg/L | Q3 | 01/19/24 12:15 | 5 | 5.0 | 01/19/24 12:15 | CRD | EPA 300.0 REV 2.1 |
| Sulfate | 110 | mg/L | Q4 | 01/19/24 12:33 | 25 | 25 | 01/19/24 12:33 | CRD | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 20.67 | Feet | | 01/18/24 14:14 | 1 | | 01/18/24 14:14 | FIELD | Field* |
| Dissolved oxygen, Field | 0.0 | mg/L | | 01/18/24 14:14 | 1 | | 01/18/24 14:14 | FIELD | Field* |
| Oxidation Reduction Potential | 247 | mV | | 01/18/24 14:14 | 1 | -500 | 01/18/24 14:14 | FIELD | Field* |
| pH, Field Measured | 8.42 | pH Units | | 01/18/24 14:14 | 1 | | 01/18/24 14:14 | FIELD | Field* |
| Specific Conductance, Field | 1000 | umhos/cm | | 01/18/24 14:14 | 1 | | 01/18/24 14:14 | FIELD | Field* |
| Measured Temperature, Field | 9.4 | °C | | 01/18/24 14:14 | 1 | | 01/18/24 14:14 | FIELD | Field* |
| Measured Turbidity, Field Measured | < 0.00 | NTU | | 01/18/24 14:14 | 1 | 0.00 | 01/18/24 14:14 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 390 | mg/L | | 01/23/24 10:16 | 1 | 10 | 01/23/24 10:16 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as | < 10 | mg/L | | 01/23/24 10:16 | 1 | 10 | 01/23/24 10:16 | CPS | SM 2320B 1997* |
| CaCO3 Fluoride | 0.264 | mg/L | | 01/26/24 13:51 | 1 | 0.250 | 01/26/24 13:51 | TTH | SM 4500F C 1997 |
| Soluble General Chemistry - I | <u>PIA</u> | | | | | | | | |
| Solids - total dissolved solids (TDS) | 580 | mg/L | | 01/22/24 10:13 | 1 | 26 | 01/22/24 11:52 | CPS | SM 2540C |
| <u>Total Metals - PIA</u> | | | | | | | | | |
| Boron | 29 | ug/L | | 01/22/24 08:53 | 5 | 10 | 01/29/24 11:31 | TJJ | EPA 6020A |
| Calcium | 140 | mg/L | | 01/22/24 08:53 | 5 | 0.20 | 01/29/24 11:31 | TJJ | EPA 6020A |
| Magnesium | 67 | mg/L | | 01/22/24 08:53 | 5 | 0.10 | 01/29/24 11:31 | TJJ | EPA 6020A |
| Potassium | 2.8 | mg/L | | 01/22/24 08:53 | 5 | 0.10 | 01/29/24 11:31 | TJJ | EPA 6020A |
| Sodium | 6.9 | mg/L | | 01/22/24 08:53 | 5 | 0.10 | 01/29/24 11:31 | TJJ | EPA 6020A |

ANALYTICAL RESULTS

Sample: HA02826-03 Name: G09S

Matrix: Ground Water - Grab

Sampled: 01/18/24 14:31 **Received:** 01/18/24 16:57

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---|------------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 15 | mg/L | Q4 | 01/19/24 13:46 | 10 | 10 | 01/19/24 13:46 | CRD | EPA 300.0 REV 2.1 |
| Fluoride | < 0.250 | mg/L | | 01/19/24 12:51 | 1 | 0.250 | 01/19/24 12:51 | CRD | EPA 300.0 REV 2.1 |
| Sulfate | 45 | mg/L | Q4 | 01/19/24 13:46 | 10 | 10 | 01/19/24 13:46 | CRD | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 20.42 | Feet | | 01/18/24 14:31 | 1 | | 01/18/24 14:31 | FIELD | Field* |
| Dissolved oxygen, Field | 0.67 | mg/L | | 01/18/24 14:31 | 1 | | 01/18/24 14:31 | FIELD | Field* |
| Oxidation Reduction Potential | 103 | mV | | 01/18/24 14:31 | 1 | -500 | 01/18/24 14:31 | FIELD | Field* |
| pH, Field Measured | 6.50 | pH Units | | 01/18/24 14:31 | 1 | | 01/18/24 14:31 | FIELD | Field* |
| Specific Conductance, Field Measured | 829.0 | umhos/cm | | 01/18/24 14:31 | 1 | | 01/18/24 14:31 | FIELD | Field* |
| Temperature, Field Measured | 9.7 | °C | | 01/18/24 14:31 | 1 | | 01/18/24 14:31 | FIELD | Field* |
| Turbidity, Field Measured | 960 | NTU | | 01/18/24 14:31 | 1 | 0.00 | 01/18/24 14:31 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 390 | mg/L | | 01/23/24 10:16 | 1 | 10 | 01/23/24 10:16 | CPS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 01/23/24 10:16 | 1 | 10 | 01/23/24 10:16 | CPS | SM 2320B 1997* |
| Soluble General Chemistry - | <u>PIA</u> | | | | | | | | |
| Solids - total dissolved solids (TDS) | 490 | mg/L | | 01/22/24 10:13 | 1 | 26 | 01/22/24 11:52 | CPS | SM 2540C |
| <u>Total Metals - PIA</u> | | | | | | | | | |
| Boron | 55 | ug/L | | 01/22/24 08:53 | 5 | 10 | 01/29/24 10:55 | TJJ | EPA 6020A |
| Calcium | 120 | mg/L | | 01/22/24 08:53 | 5 | 0.20 | 01/29/24 10:55 | TJJ | EPA 6020A |
| Magnesium | 56 | mg/L | | 01/22/24 08:53 | 5 | 0.10 | 01/29/24 10:55 | TJJ | EPA 6020A |
| Potassium | 1.8 | mg/L | | 01/22/24 08:53 | 5 | 0.10 | 01/29/24 10:55 | TJJ | EPA 6020A |
| Sodium | 9.6 | mg/L | | 01/22/24 08:53 | 5 | 0.10 | 01/29/24 10:55 | TJJ | EPA 6020A |

ANALYTICAL RESULTS

Sample: HA03925-05

Name: G12S

Matrix: Ground Water - Grab

Sampled: 01/26/24 12:47 **Received:** 01/26/24 16:04

PO #: 1728919

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---|----------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 16 | mg/L | Q4 | 02/06/24 16:19 | 10 | 10 | 02/06/24 16:19 | KCS1 | EPA 300.0 REV 2.1 |
| Fluoride | 0.268 | mg/L | Q3 | 02/06/24 15:19 | 1 | 0.250 | 02/06/24 15:19 | KCS1 | EPA 300.0 REV 2.1 |
| Sulfate | 97 | mg/L | | 02/07/24 21:32 | 25 | 25 | 02/07/24 21:32 | CRD | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 23.32 | Feet | | 01/26/24 12:47 | 1 | | 01/26/24 12:47 | FIELD | Field* |
| Dissolved oxygen, Field | 1.3 | mg/L | | 01/26/24 12:47 | 1 | | 01/26/24 12:47 | FIELD | Field* |
| Oxidation Reduction Potential | -56.0 | mV | | 01/26/24 12:47 | 1 | -500 | 01/26/24 12:47 | FIELD | Field* |
| pH, Field Measured | 6.61 | pH Units | | 01/26/24 12:47 | 1 | | 01/26/24 12:47 | FIELD | Field* |
| Specific Conductance, Field Measured | 624.0 | umhos/cm | | 01/26/24 12:47 | 1 | | 01/26/24 12:47 | FIELD | Field* |
| Temperature, Field Measured | 10.6 | °C | | 01/26/24 12:47 | 1 | | 01/26/24 12:47 | FIELD | Field* |
| Turbidity, Field Measured | 138 | NTU | | 01/26/24 12:47 | 1 | 0.00 | 01/26/24 12:47 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 220 | mg/L | | 02/06/24 08:25 | 1 | 10 | 02/06/24 08:25 | TMS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 02/06/24 08:25 | 1 | 10 | 02/06/24 08:25 | TMS | SM 2320B 1997* |
| Soluble General Chemistry - PIA | <u>4</u> | | | | | | | | |
| Solids - total dissolved solids (TDS) | 440 | mg/L | | 02/02/24 11:37 | 1 | 26 | 02/02/24 13:09 | CPS | SM 2540C |
| Total Metals - PIA | | | | | | | | | |
| Boron | < 10 | ug/L | | 01/31/24 10:11 | 5 | 10 | 02/08/24 12:08 | TJJ | EPA 6020A |
| Calcium | 85 | mg/L | | 01/31/24 10:11 | 5 | 0.20 | 02/06/24 09:54 | TJJ | EPA 6020A |
| Magnesium | 40 | mg/L | | 01/31/24 10:11 | 5 | 0.10 | 02/06/24 09:54 | TJJ | EPA 6020A |
| Potassium | 0.67 | mg/L | | 01/31/24 10:11 | 5 | 0.10 | 02/06/24 09:54 | TJJ | EPA 6020A |
| Sodium | 6.6 | mg/L | | 01/31/24 10:11 | 5 | 0.10 | 02/06/24 09:54 | TJJ | EPA 6020A |

ANALYTICAL RESULTS

Sample: HA03925-06 Name: G15S

Matrix: Ground Water - Grab

Sampled: 01/26/24 11:50 **Received:** 01/26/24 16:04

PO #: 1728919

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---|---------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 10 | mg/L | | 02/07/24 21:50 | 5 | 5.0 | 02/07/24 21:50 | CRD | EPA 300.0 REV 2.1 |
| Fluoride | < 0.250 | mg/L | Q3 | 02/06/24 17:20 | 1 | 0.250 | 02/06/24 17:20 | KCS1 | EPA 300.0 REV 2.1 |
| Sulfate | 39 | mg/L | Q4 | 02/06/24 18:20 | 10 | 10 | 02/06/24 18:20 | KCS1 | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 22.4 | Feet | | 01/26/24 11:50 | 1 | | 01/26/24 11:50 | FIELD | Field* |
| Dissolved oxygen, Field | 3.8 | mg/L | | 01/26/24 11:50 | 1 | | 01/26/24 11:50 | FIELD | Field* |
| Oxidation Reduction Potential | 188 | mV | | 01/26/24 11:50 | 1 | -500 | 01/26/24 11:50 | FIELD | Field* |
| pH, Field Measured | 6.43 | pH Units | | 01/26/24 11:50 | 1 | | 01/26/24 11:50 | FIELD | Field* |
| Specific Conductance, Field Measured | 740.0 | umhos/cm | | 01/26/24 11:50 | 1 | | 01/26/24 11:50 | FIELD | Field* |
| Temperature, Field Measured | 10.0 | °C | | 01/26/24 11:50 | 1 | | 01/26/24 11:50 | FIELD | Field* |
| Turbidity, Field Measured | 383 | NTU | | 01/26/24 11:50 | 1 | 0.00 | 01/26/24 11:50 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 320 | mg/L | | 02/06/24 08:25 | 1 | 10 | 02/06/24 08:25 | TMS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 02/06/24 08:25 | 1 | 10 | 02/06/24 08:25 | TMS | SM 2320B 1997* |
| Soluble General Chemistry - F | PIA. | | | | | | | | |
| Solids - total dissolved solids (TDS) | 420 | mg/L | | 02/02/24 11:37 | 1 | 26 | 02/02/24 13:09 | CPS | SM 2540C |
| Total Metals - PIA | | | | | | | | | |
| Boron | < 10 | ug/L | | 01/31/24 10:11 | 5 | 10 | 02/08/24 12:28 | TJJ | EPA 6020A |
| Calcium | 95 | mg/L | | 01/31/24 10:11 | 5 | 0.20 | 02/06/24 09:58 | TJJ | EPA 6020A |
| Magnesium | 47 | mg/L | | 01/31/24 10:11 | 5 | 0.10 | 02/06/24 09:58 | TJJ | EPA 6020A |
| Potassium | 0.81 | mg/L | | 01/31/24 10:11 | 5 | 0.10 | 02/06/24 09:58 | TJJ | EPA 6020A |
| Sodium | 10 | mg/L | | 01/31/24 10:11 | 5 | 0.10 | 02/06/24 09:58 | TJJ | EPA 6020A |

ANALYTICAL RESULTS

Sample: HA03926-01 **Name:** L103

Customer #: 72-104337

Matrix: Leachate - Regular Sample

Sampled: 01/26/24 10:59

Received: 01/26/24 16:04

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---|--------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 94 | mg/L | 0 | 1/26/24 23:59 | 10 | 10 | 01/26/24 23:59 | TMS | EPA 300.0 REV 2.1 |
| Sulfate | 2200 | mg/L | 0 | 1/27/24 00:17 | 500 | 500 | 01/27/24 00:17 | TMS | EPA 300.0 REV 2.1 |
| <u>Field - PIA</u> | | | | | | | | | |
| Depth, From Measuring Point | 1.68 | Feet | 0 | 1/26/24 10:59 | 1 | | 01/26/24 10:59 | FIELD | Field* |
| Dissolved oxygen, Field | 4.9 | mg/L | 0 | 1/26/24 10:59 | 1 | | 01/26/24 10:59 | FIELD | Field* |
| Oxidation Reduction Potential | 212 | mV | 0 | 1/26/24 10:59 | 1 | -500 | 01/26/24 10:59 | FIELD | Field* |
| pH, Field Measured | 6.11 | pH Units | 0 | 1/26/24 10:59 | 1 | | 01/26/24 10:59 | FIELD | Field* |
| Specific Conductance, Field Measured | 4860 | umhos/cm | 0 | 1/26/24 10:59 | 1 | | 01/26/24 10:59 | FIELD | Field* |
| Temperature, Field Measured | 12.1 | °C | 0 | 1/26/24 10:59 | 1 | | 01/26/24 10:59 | FIELD | Field* |
| Turbidity, Field Measured | 63.3 | NTU | 0 | 1/26/24 10:59 | 1 | 0.00 | 01/26/24 10:59 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 180 | mg/L | 0 | 2/06/24 08:25 | 1 | 10 | 02/06/24 08:25 | TMS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | 50 | mg/L | 0 | 2/06/24 08:25 | 1 | 10 | 02/06/24 08:25 | TMS | SM 2320B 1997* |
| Fluoride | 0.857 | mg/L | 0 | 2/02/24 14:24 | 1 | 0.250 | 02/02/24 16:54 | ANK | SM 4500F C 1997 |
| Solids - total dissolved solids (TDS) | 3500 | mg/L | 0 | 02/01/24 11:01 | 1 | 34 | 02/01/24 13:28 | OGS | SM 2540C |
| <u>Total Metals - PIA</u> | | | | | | | | | |
| Boron | 12000 | ug/L | 0 | 1/31/24 10:11 | 100 | 200 | 02/19/24 10:29 | TJJ | EPA 6020A |
| Calcium | 100 | mg/L | 0 | 1/31/24 10:11 | 100 | 4.0 | 02/06/24 10:41 | TJJ | EPA 6020A |
| Magnesium | 38 | mg/L | 0 | 01/31/24 10:11 | 100 | 2.0 | 02/06/24 10:41 | TJJ | EPA 6020A |
| Potassium | 20 | mg/L | 0 | 1/31/24 10:11 | 100 | 2.0 | 02/06/24 10:41 | TJJ | EPA 6020A |
| Sodium | 1100 | mg/L | 0 | 1/31/24 10:11 | 100 | 2.0 | 02/06/24 10:41 | TJJ | EPA 6020A |

ANALYTICAL RESULTS

Sample: HA04058-01 Name: G02S

Matrix: Ground Water - Grab

Sampled: 01/29/24 14:33

Received: 01/29/24 16:29 PO #: 1728919

| Chloride | rameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--|----------------------------|------------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Fluoride | nions - PIA | | | | | | | | | |
| Sulfate | loride | < 5.0 | mg/L | Q3 | 02/09/24 16:47 | 5 | 5.0 | 02/09/24 16:47 | CRD | EPA 300.0 REV 2.1 |
| Pield - PIA | ıoride | 0.257 | mg/L | Q1 | 02/07/24 00:49 | 1 | 0.250 | 02/07/24 00:49 | KCS1 | EPA 300.0 REV 2.1 |
| Depth, From Measuring Point 6.42 Peet 01/29/24 14:33 1 01/29/24 14:33 Dissolved oxygen, Field 0.0 mg/L 01/29/24 14:33 1 01/29/24 14:33 Oxidation Reduction Potential PH, Field Measured -66.0 mV 01/29/24 14:33 1 -500 01/29/24 14:33 Potential PH, Field Measured 6.51 pH Units 01/29/24 14:33 1 01/29/24 14:33 Specific Conductance, Field Measured 807.0 umhos/cm 01/29/24 14:33 1 01/29/24 14:33 Measured Temperature, Field Measured 8.4 °C 01/29/24 14:33 1 01/29/24 14:33 Measured Turbidity, Field Measured 52.6 NTU 01/29/24 14:33 1 0.00 01/29/24 14:33 General Chemistry - PIA Alkalinity - bicarbonate as 400 mg/L 02/06/24 08:25 1 10 02/06/24 08:25 CaCO3 Soluble General Chemistry - PIA Solids - total dissolved solved | lfate | < 1.0 | mg/L | | 02/07/24 00:49 | 1 | 1.0 | 02/07/24 00:49 | KCS1 | EPA 300.0 REV 2.1 |
| Point Dissolved oxygen, Field 0.0 mg/L 01/29/24 14:33 1 01/29/24 14:33 1 O1/29/24 14:33 01/29/24 14:33 1 O1/29/24 14:33 O1/29/24 1 | eld - PIA | | | | | | | | | |
| Dissolved oxygen, Field 0.0 mg/L 01/29/24 14:33 1 01/29/24 1 | - | 6.42 | Feet | | 01/29/24 14:33 | 1 | | 01/29/24 14:33 | FIELD | Field* |
| Potential PH, Field Measured 6.51 PH Units 01/29/24 14:33 1 01/29/24 14:33 Specific Conductance, Field 807.0 umhos/cm 01/29/24 14:33 1 01/29/24 14:33 | | 0.0 | mg/L | | 01/29/24 14:33 | 1 | | 01/29/24 14:33 | FIELD | Field* |
| pH, Field Measured 6.51 pH Units 01/29/24 14:33 1 01/29/24 14:33 Specific Conductance, Field 807.0 umhos/cm 01/29/24 14:33 1 01/29/24 14:33 Measured Temperature, Field 8.4 °C 01/29/24 14:33 1 01/29/24 14:33 Measured Turbidity, Field Measured 52.6 NTU 01/29/24 14:33 1 0.00 01/29/24 14:33 General Chemistry - PIA Alkalinity - carbonate as CaCO3 400 mg/L 02/06/24 08:25 1 10 02/06/24 08:25 CaCO3 mg/L 02/06/24 08:25 1 10 02/06/24 08:25 Soluble General Chemistry - PIA Solids - total dissolved solids (TDS) 340 mg/L 02/02/24 15:47 1 26 02/02/24 15:47 Total Metals - PIA Boron 37 ug/L 02/01/24 08:15 5 10 02/08/24 13:29 Calcium 97 mg/L 02/01/24 08:15 5 0.20 02/06/24 15:34 Magnesium 37 | | -66.0 | mV | | 01/29/24 14:33 | 1 | -500 | 01/29/24 14:33 | FIELD | Field* |
| Measured Temperature, Field 8.4 °C 01/29/24 14:33 1 01/29/24 14:33 Measured Turbidity, Field Measured 52.6 NTU 01/29/24 14:33 1 0.00 01/29/24 14:33 General Chemistry - PIA Alkalinity - bicarbonate as CaCO3 400 mg/L 02/06/24 08:25 1 10 02/06/24 08:25 Alkalinity - carbonate as CaCO3 Soluble General Chemistry - PIA Solids - total dissolved solids (TDS) 340 mg/L 02/02/24 15:47 1 26 02/02/24 15:47 Total Metals - PIA Boron 37 ug/L 02/01/24 08:15 5 10 02/08/24 13:29 Calcium 97 mg/L 02/01/24 08:15 5 0.20 02/06/24 15:34 Magnesium 37 mg/L 02/01/24 08:15 5 0.10 02/06/24 15:34 | | 6.51 | pH Units | | 01/29/24 14:33 | 1 | | 01/29/24 14:33 | FIELD | Field* |
| Temperature, Field Measured 8.4 °C 01/29/24 14:33 1 01/29/24 14:33 Turbidity, Field Measured 52.6 NTU 01/29/24 14:33 1 0.00 01/29/24 14:33 General Chemistry - PIA Alkalinity - bicarbonate as CaCO3 400 mg/L 02/06/24 08:25 1 10 02/06/24 08:25 Alkalinity - carbonate as CaCO3 < 10 | | 807.0 | umhos/cm | | 01/29/24 14:33 | 1 | | 01/29/24 14:33 | FIELD | Field* |
| General Chemistry - PIA Alkalinity - bicarbonate as CaCO3 400 mg/L 02/06/24 08:25 1 10 02/06/24 08:25 CaCO3 Alkalinity - carbonate as CaCO3 < 10 | mperature, Field | 8.4 | °C | | 01/29/24 14:33 | 1 | | 01/29/24 14:33 | FIELD | Field* |
| Alkalinity - bicarbonate as 2400 mg/L 02/06/24 08:25 1 10 02/06/24 08:25 CaCO3 Alkalinity - carbonate as <10 mg/L 02/06/24 08:25 1 10 02/06/24 08:25 Soluble General Chemistry - PIA Solids - total dissolved solids (TDS) Total Metals - PIA Boron 37 ug/L 02/01/24 08:15 5 10 02/08/24 13:29 Calcium 97 mg/L 02/01/24 08:15 5 0.20 02/06/24 15:34 Magnesium 37 mg/L 02/01/24 08:15 5 0.10 02/06/24 15:34 | | 52.6 | NTU | | 01/29/24 14:33 | 1 | 0.00 | 01/29/24 14:33 | FIELD | Field* |
| CaCO3 Alkalinity - carbonate as CaCO3 Soluble General Chemistry - PIA Solids - total dissolved solids (TDS) Total Metals - PIA Boron 37 ug/L 02/01/24 08:15 5 10 02/08/24 15:34 Magnesium 37 mg/L 02/01/24 08:15 5 0.10 02/06/24 15:34 | eneral Chemistry - PIA | | | | | | | | | |
| Alkalinity - carbonate as CaCO3 Soluble General Chemistry - PIA Solids - total dissolved solids (TDS) Total Metals - PIA Boron 37 ug/L 02/01/24 08:15 5 10 02/08/24 15:34 Magnesium 37 mg/L 02/01/24 08:15 5 0.10 02/06/24 15:34 | • | 400 | mg/L | | 02/06/24 08:25 | 1 | 10 | 02/06/24 08:25 | TMS | SM 2320B 1997* |
| Solids - total dissolved solids (TDS) 340 mg/L 02/02/24 15:47 1 26 02/02/24 15:47 Total Metals - PIA Boron 37 ug/L 02/01/24 08:15 5 10 02/08/24 13:29 Calcium 97 mg/L 02/01/24 08:15 5 0.20 02/06/24 15:34 Magnesium 37 mg/L 02/01/24 08:15 5 0.10 02/06/24 15:34 | calinity - carbonate as | < 10 | mg/L | | 02/06/24 08:25 | 1 | 10 | 02/06/24 08:25 | TMS | SM 2320B 1997* |
| solids (TDS) Total Metals - PIA Boron 37 ug/L 02/01/24 08:15 5 10 02/08/24 13:29 Calcium 97 mg/L 02/01/24 08:15 5 0.20 02/06/24 15:34 Magnesium 37 mg/L 02/01/24 08:15 5 0.10 02/06/24 15:34 | oluble General Chemistry - | <u>PIA</u> | | | | | | | | |
| Boron 37 ug/L 02/01/24 08:15 5 10 02/08/24 13:29 Calcium 97 mg/L 02/01/24 08:15 5 0.20 02/06/24 15:34 Magnesium 37 mg/L 02/01/24 08:15 5 0.10 02/06/24 15:34 | | 340 | mg/L | | 02/02/24 15:47 | 1 | 26 | 02/02/24 15:47 | OGS | SM 2540C |
| Calcium 97 mg/L 02/01/24 08:15 5 0.20 02/06/24 15:34 Magnesium 37 mg/L 02/01/24 08:15 5 0.10 02/06/24 15:34 | tal Metals - PIA | | | | | | | | | |
| Magnesium 37 mg/L 02/01/24 08:15 5 0.10 02/06/24 15:34 | ron | 37 | ug/L | | 02/01/24 08:15 | 5 | 10 | 02/08/24 13:29 | TJJ | EPA 6020A |
| | lcium | 97 | mg/L | | 02/01/24 08:15 | 5 | 0.20 | 02/06/24 15:34 | TJJ | EPA 6020A |
| Potassium 0.84 mg/L 02/01/24 08:15 5 0.10 02/06/24 15:34 | agnesium | 37 | mg/L | | 02/01/24 08:15 | 5 | 0.10 | 02/06/24 15:34 | TJJ | EPA 6020A |
| | tassium | 0.84 | mg/L | | 02/01/24 08:15 | 5 | 0.10 | 02/06/24 15:34 | TJJ | EPA 6020A |
| Sodium 14 mg/L 02/01/24 08:15 5 0.10 02/06/24 15:34 | dium | 14 | mg/L | | 02/01/24 08:15 | 5 | 0.10 | 02/06/24 15:34 | TJJ | EPA 6020A |

12 Customer #: 72-104337

ANALYTICAL RESULTS

Sample: HB00169-01 Name: G04S

Matrix: Ground Water - Grab

Sampled: 02/01/24 12:00 **Received:** 02/01/24 16:38

PO #: 1728919

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---|------------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 14 | mg/L | | 02/13/24 02:03 | 5 | 5.0 | 02/13/24 02:03 | CRD | EPA 300.0 REV 2.1 |
| Fluoride | < 0.250 | mg/L | | 02/13/24 01:45 | 1 | 0.250 | 02/13/24 01:45 | CRD | EPA 300.0 REV 2.1 |
| Sulfate | 220 | mg/L | | 02/13/24 02:58 | 50 | 50 | 02/13/24 02:58 | CRD | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 11.4 | Feet | | 02/01/24 12:00 | 1 | | 02/01/24 12:00 | FIELD | Field* |
| Dissolved oxygen, Field | 0.70 | mg/L | | 02/01/24 12:00 | 1 | | 02/01/24 12:00 | FIELD | Field* |
| Oxidation Reduction Potential | 64.0 | mV | | 02/01/24 12:00 | 1 | -500 | 02/01/24 12:00 | FIELD | Field* |
| pH, Field Measured | 7.39 | pH Units | | 02/01/24 12:00 | 1 | | 02/01/24 12:00 | FIELD | Field* |
| Specific Conductance, Field Measured | 926.0 | umhos/cm | | 02/01/24 12:00 | 1 | | 02/01/24 12:00 | FIELD | Field* |
| Temperature, Field | 11.8 | °C | | 02/01/24 12:00 | 1 | | 02/01/24 12:00 | FIELD | Field* |
| Measured Turbidity, Field Measured | 34.5 | NTU | | 02/01/24 12:00 | 1 | 0.00 | 02/01/24 12:00 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 310 | mg/L | | 02/13/24 10:32 | 1 | 10 | 02/13/24 10:32 | TMS | SM 2320B 1997* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 02/13/24 10:32 | 1 | 10 | 02/13/24 10:32 | TMS | SM 2320B 1997* |
| Soluble General Chemistry - | <u>PIA</u> | | | | | | | | |
| Solids - total dissolved solids (TDS) | 640 | mg/L | B2 | 02/08/24 08:59 | 1 | 17 | 02/08/24 10:08 | OGS | SM 2540C |
| Total Metals - PIA | | | | | | | | | |
| Boron | 14 | ug/L | | 02/06/24 09:16 | 5 | 10 | 02/16/24 14:00 | TJJ | EPA 6020A |
| Calcium | 140 | mg/L | | 02/06/24 09:16 | 5 | 0.20 | 02/15/24 15:20 | TJJ | EPA 6020A |
| Magnesium | 58 | mg/L | | 02/06/24 09:16 | 5 | 0.10 | 02/15/24 15:20 | TJJ | EPA 6020A |
| Potassium | 0.55 | mg/L | | 02/06/24 09:16 | 5 | 0.10 | 02/15/24 15:20 | TJJ | EPA 6020A |
| Sodium | 8.8 | mg/L | | 02/06/24 09:16 | 5 | 0.10 | 02/15/24 15:20 | TJJ | EPA 6020A |

QC SAMPLE RESULTS

| Parameter | Result | Unit | Qual | Spike Level | Source Result | %REC | %REC Limits | RPD | RPE Limi |
|--|---------------|-------|------|----------------|------------------|---------------|----------------|-----|-------------|
| Batch B423533 - SW 3015 - EPA 6020A | | | | | | | | | |
| Blank (B423533-BLK1) | | | | Prepared: (| 01/22/24 Anal | yzed: 01/29/2 | 4 | | |
| Boron | < 10 | ug/L | | | | | | | |
| Calcium | < 0.20 | mg/L | | | | | | | |
| Magnesium | < 0.10 | mg/L | | | | | | | |
| Potassium | < 0.10 | mg/L | | | | | | | |
| Sodium | < 0.10 | mg/L | | | | | | | |
| LCS (B423533-BS1) | | | | Prepared: (| 01/22/24 Anal | yzed: 01/29/2 | 4 | | |
| Boron | 506 | ug/L | | 555.6 | | 91 | 80-120 | | |
| Calcium | 5.53 | mg/L | | 5.556 | | 99 | 80-120 | | |
| Magnesium | 5.51 | mg/L | | 5.556 | | 99 | 80-120 | | |
| Potassium | 5.47 | mg/L | | 5.556 | | 99 | 80-120 | | |
| Sodium | 5.60 | mg/L | | 5.556 | | 101 | 80-120 | | |
| Batch B423537 - IC No Prep - EPA 300.0 REV 2.1 | | | | | | | | | |
| Calibration Blank (B423537-CCB1) | | | | Prepared & | Analyzed: 01 | /19/24 | | | |
| Chloride | 0.00 | mg/L | | | | | | | |
| Fluoride | 0.00 | mg/L | | | | | | | |
| Sulfate | 0.00 | mg/L | | | | | | | |
| Calibration Check (B423537-CCV1) | | | | Prepared & | Analyzed: 01 | /19/24 | | | |
| Fluoride | 5.25 | mg/L | | 5.000 | | 105 | 90-110 | | |
| Sulfate | 5.11 | mg/L | | 5.000 | | 102 | 90-110 | | |
| Chloride | 4.85 | mg/L | | 5.000 | | 97 | 90-110 | | |
| Matrix Spike (B423537-MS1) | Sample: HA028 | 26-02 | | Prepared & | Analyzed: 01 | /19/24 | | | |
| Chloride | < 1.0 | mg/L | Q1 | 1.500 | 6.4 | NR | 80-120 | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 114 | NR | 80-120 | | |
| Matrix Spike (B423537-MS2) | Sample: HA028 | 26-03 | | Prepared & | Analyzed: 01 | /19/24 | | | |
| Fluoride | 1.63 | mg/L | | 1.500 | 0.162 | 98 | 80-120 | | |
| Chloride | < 1.0 | mg/L | Q4 | 1.500 | 15 | NR | 80-120 | | |
| Matrix Spike Dup (B423537-MSD1) | Sample: HA028 | 26-02 | | Prepared & | Analyzed: 01 | /19/24 | | | |
| Sulfate | < 1.0 | mg/L | Q4 | 1.500 | 114 | NR | 80-120 | | 20 |
| Chloride | < 1.0 | mg/L | Q2 | 1.500 | 6.4 | NR | 80-120 | | 20 |
| Matrix Spike Dup (B423537-MSD2) | Sample: HA028 | 26-03 | | Prepared & | Analyzed: 01 | /19/24 | | | |
| Fluoride | 1.65 | mg/L | | 1.500 | 0.162 | 99 | 80-120 | 1 | 20 |
| Chloride | < 1.0 | mg/L | Q4 | 1.500 | 15 | NR | 80-120 | | 20 |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 45.4 | NR | 80-120 | 0 | 20 |
| Batch B423547 - No Prep - SM 2540C | | | | | | | | | |
| Blank (B423547-BLK1) | | | | Prepared & | Analyzed: 01 | /22/24 | | | |
| Solids - total dissolved solids (TDS) | < 17 | mg/L | | | | | | | |
| LCS (B423547-BS1) | | | | Prepared & | Analyzed: 01 | /22/24 | | | |
| Solids - total dissolved solids (TDS) | 973 | mg/L | | 1000 | | 97 | 84.9-109 | | |
| Batch B423655 - No Prep - SM 2320B 1997 | | | | | | | | | |
| Duplicate (B423655-DUP2) | Sample: HA028 | 26-04 | | Prepared & | Analyzed: 01 | /23/24 | | | |
| Alkalinity - bicarbonate as CaCO3 | 438 | mg/L | | | 438 | | | 0 | 10 |

QC SAMPLE RESULTS

| | Unit | Qual | Level | Result | %REC | Limits | RPD | RPI Lim |
|--------|-----------------------|-----------------------------|---------------------------------|--|--|---|--|--|
| | | | | | | | | |
| | | | Prepared & | Analyzed: 01/ | 26/24 | | | |
| 0 | mg/L | | | - | | | | |
| | | | Prepared & | Analyzed: 01/ | 26/24 | | | |
| 5 | mg/L | | 0.7000 | | 102 | 90-110 | | |
| | | | | | | | | |
| | | | Prepared & | Analyzed: 01/ | 26/24 | | | |
| 0 | mg/L | | | | | | | |
| 0 | mg/L | | | | | | | |
| | | | Prepared & | Analyzed: 01/ | 26/24 | | | |
| 8 | mg/L | | 5.000 | | 102 | 90-110 | | |
| 2 | mg/L | | 5.000 | | 102 | 90-110 | | |
| | | | | | | | | |
| | | | Prepared: 0 | 1/31/24 Analy | zed: 02/05/2 | 4 | | |
| 0 | ug/L | | | | | | | |
| 0 | mg/L | | | | | | | |
| 0 | mg/L | | | | | | | |
| 0 | mg/L | | | | | | | |
| 0 | mg/L | | | | | | | |
| | | | Prepared: 0 | 1/31/24 Analy | zed: 02/05/2 | 4 | | |
| 4 | ug/L | | 555.6 | | 107 | 80-120 | | |
| 2 | mg/L | | 5.556 | | 106 | 80-120 | | |
| 3 | mg/L | | 5.556 | | 105 | 80-120 | | |
| 2 | mg/L | | 5.556 | | 105 | 80-120 | | |
| 6 | mg/L | | 5.556 | | 105 | 80-120 | | |
| 03925- | 01 | | Prepared: 0 | 1/31/24 Analy | zed: 02/08/2 | 4 | | |
| 4 | ug/L | | 555.6 | 16.3 | 95 | 75-125 | | |
| 0 | mg/L | | 5.556 | 126 | 75 | 75-125 | | |
| 9 | mg/L | | 5.556 | 60.6 | 77 | 75-125 | | |
| 7 | mg/L | | 5.556 | 0.782 | 97 | 75-125 | | |
| 3 | mg/L | | 5.556 | 11.0 | 96 | 75-125 | | |
| 03925- | 01 | | Prepared: 0 | 1/31/24 Analy | zed: 02/08/2 | 4 | | |
| 5 | ug/L | | 555.6 | 16.3 | 93 | 75-125 | 2 | 20 |
| 0 | mg/L | | 5.556 | 126 | 81 | 75-125 | 0.2 | 20 |
| 2 | mg/L | | 5.556 | 60.6 | 83 | 75-125 | 0.5 | 20 |
| 6 | mg/L | | 5.556 | 0.782 | 97 | 75-125 | 0.2 | 20 |
| 3 | mg/L | | 5.556 | 11.0 | 97 | 75-125 | 0.2 | 20 |
| | | | | | | | | |
| | | | Prepared & | Analyzed: 01/ | 31/24 | | | |
| 7 | mg/L | | | | | | | |
| | | | Prepared & | Analyzed: 01/ | 31/24 | | | |
| 3 | mg/L | BS1 | 1000 | | 61 | 84.9-109 | | |
| 03925- | 04 | | Prepared & | Analyzed: 01/ | 31/24 | | | |
| 1 | 13 A03925 - | 13 mg/L A03925-04 | 13 mg/L BS1 A03925-04 | 17 mg/L Prepared & 13 mg/L BS1 1000 A03925-04 Prepared & | 17 mg/L Prepared & Analyzed: 01/ 13 mg/L BS1 1000 A03925-04 Prepared & Analyzed: 01/ | 17 mg/L Prepared & Analyzed: 01/31/24 13 mg/L BS1 1000 61 A03925-04 Prepared & Analyzed: 01/31/24 | 17 mg/L Prepared & Analyzed: 01/31/24 13 mg/L BS1 1000 61 84.9-109 A03925-04 Prepared & Analyzed: 01/31/24 | 17 mg/L Prepared & Analyzed: 01/31/24 13 mg/L BS1 1000 61 84.9-109 A03925-04 Prepared & Analyzed: 01/31/24 |

QC SAMPLE RESULTS

| Parameter | Page 14 | l lait | Ousl | Spike Level | Source Result | %REC | %REC | DDD. | RPE |
|---------------------------------------|---------------|----------|------|----------------|------------------|---------------|----------|------|-----|
| Parameter | Result | Unit | Qual | | | | Limits | RPD | Lim |
| Duplicate (B424290-DUP2) | Sample: HA039 | | | Prepared & | Analyzed: 01 | /31/24 | | | |
| Solids - total dissolved solids (TDS) | 875 | mg/L | М | | 780 | | | 11 | 5 |
| Batch B424357 - SW 3015 - EPA 6020A | | | | | | | | | |
| Blank (B424357-BLK1) | | | | Prepared: 0 | 2/01/24 Anal | yzed: 02/05/2 | 4 | | |
| Boron | < 10 | ug/L | | | | | | | |
| Calcium | < 0.20 | mg/L | | | | | | | |
| Magnesium | < 0.10 | mg/L | | | | | | | |
| Potassium | < 0.10 | mg/L | | | | | | | |
| Sodium | < 0.10 | mg/L | | | | | | | |
| LCS (B424357-BS1) | | | | Prepared: 0 | 2/01/24 Anal | yzed: 02/05/2 | 4 | | |
| Boron | 579 | ug/L | | 555.6 | | 104 | 80-120 | | |
| Calcium | 5.55 | mg/L | | 5.556 | | 100 | 80-120 | | |
| Magnesium | 5.77 | mg/L | | 5.556 | | 104 | 80-120 | | |
| Potassium | 5.61 | mg/L | | 5.556 | | 101 | 80-120 | | |
| Sodium | 5.67 | mg/L | | 5.556 | | 102 | 80-120 | | |
| Matrix Spike (B424357-MS1) | Sample: HA040 | 58-01 | | Prepared: 0 | 2/01/24 Anal | yzed: 02/06/2 | 4 | | |
| Calcium | 103 | mg/L | | 5.556 | 97.4 | 94 | 75-125 | | |
| Magnesium | 41.9 | mg/L | | 5.556 | 36.7 | 93 | 75-125 | | |
| Potassium | 6.34 | mg/L | | 5.556 | 0.843 | 99 | 75-125 | | |
| Sodium | 19.5 | mg/L | | 5.556 | 13.9 | 100 | 75-125 | | |
| Matrix Spike Dup (B424357-MSD1) | Sample: HA040 | 58-01 | | Prepared: 0 | 2/01/24 Anal | yzed: 02/06/2 | 4 | | |
| Calcium | 102 | mg/L | | 5.556 | 97.4 | 88 | 75-125 | 0.3 | 20 |
| Magnesium | 41.6 | mg/L | | 5.556 | 36.7 | 88 | 75-125 | 0.6 | 20 |
| Potassium | 6.27 | mg/L | | 5.556 | 0.843 | 98 | 75-125 | 1 | 20 |
| Sodium | 19.4 | mg/L | | 5.556 | 13.9 | 98 | 75-125 | 0.7 | 20 |
| Batch B424396 - No Prep - SM 2540C | | | | | | | | | |
| Blank (B424396-BLK1) | | | | Prepared & | Analyzed: 02 | /01/24 | | | |
| Solids - total dissolved solids (TDS) | < 17 | mg/L | | | | | | | |
| LCS (B424396-BS1) | | | | Prepared & | Analyzed: 02 | /01/24 | | | |
| Solids - total dissolved solids (TDS) | 1000 | mg/L | | 1000 | | 100 | 84.9-109 | | |
| Duplicate (B424396-DUP1) | Sample: HA040 | 58-06 | | Prepared & | Analyzed: 02 | /01/24 | | | |
| Solids - total dissolved solids (TDS) | 1780 | mg/L | | | 1730 | | | 3 | 5 |
| Duplicate (B424396-DUP2) | Sample: HA040 | 58-07 | | Prepared & | Analyzed: 02 | /01/24 | | | |
| Solids - total dissolved solids (TDS) | 2000 | mg/L | М | | 2130 | | | 6 | 5 |
| Batch B424513 - No Prep - SM 2540C | | | | | | | | | |
| Blank (B424513-BLK1) | | | | Prepared & | Analyzed: 02 | /02/24 | | | |
| Solids - total dissolved solids (TDS) | < 17 | mg/L | | | | | | | |
| LCS (B424513-BS1) | | | | Prepared & | Analyzed: 02 | /02/24 | | | |
| Solids - total dissolved solids (TDS) | 977 | mg/L | | 1000 | | 98 | 84.9-109 | | |
| Duplicate (B424513-DUP1) | Sample: HA039 | 25-07RE1 | | Prepared & | Analyzed: 02 | /02/24 | | | |
| Solids - total dissolved solids (TDS) | 815 | mg/L | М | | 765 | | | 6 | 5 |
| Duplicate (B424513-DUP2) | Sample: HA039 | 25-10RE1 | | Prepared & | Analyzed: 02 | /02/24 | | | |
| Solids - total dissolved solids (TDS) | 710 | mg/L | | | 715 | | | 0.7 | 5 |

Batch B424514 - No Prep - SM 2540C

QC SAMPLE RESULTS

| | | | | Spike | Source | | %REC | | RPI |
|---|---------------|-------|------|-------------|---------------|---------------|----------|-----|-----|
| Parameter | Result | Unit | Qual | Level | Result | %REC | Limits | RPD | Lim |
| Blank (B424514-BLK1) | | | | Prepared & | Analyzed: 02 | /02/24 | | | |
| Solids - total dissolved solids (TDS) | < 17 | mg/L | | | | | | | |
| LCS (B424514-BS1) | | | | Prepared & | Analyzed: 02 | /02/24 | | | |
| Solids - total dissolved solids (TDS) | 910 | mg/L | | 1000 | | 91 | 84.9-109 | | |
| Duplicate (B424514-DUP1) | Sample: HA040 | 58-01 | | Prepared & | Analyzed: 02 | /02/24 | | | |
| Solids - total dissolved solids (TDS) | 350 | mg/L | | | 345 | | | 1 | 5 |
| Duplicate (B424514-DUP2) | Sample: HA040 | 58-04 | | Prepared & | Analyzed: 02 | /02/24 | | | |
| Solids - total dissolved solids (TDS) | 1300 | mg/L | | | 1260 | | | 4 | 5 |
| Batch B424521 - No Prep - SM 4500F C 1997 | | | | | | | | | |
| Calibration Blank (B424521-CCB1) | | | | Prepared & | Analyzed: 02 | /02/24 | | | |
| Fluoride | 0.0180 | mg/L | | | | | | | |
| Calibration Blank (B424521-CCB2) | | | | Prepared & | Analyzed: 02 | /02/24 | | | |
| Fluoride | 0.0180 | mg/L | | | | | | | |
| Calibration Check (B424521-CCV1) | | | | Prepared & | Analyzed: 02 | /02/24 | | | |
| Fluoride | 0.678 | mg/L | | 0.7000 | | 97 | 90-110 | | |
| Calibration Check (B424521-CCV2) | | | | Prepared & | Analyzed: 02 | /02/24 | | | |
| Fluoride | 0.694 | mg/L | | 0.7000 | | 99 | 90-110 | | |
| Matrix Spike (B424521-MS3) | Sample: HA039 | 26-01 | | Prepared & | Analyzed: 02 | /02/24 | | | |
| Fluoride | 1.88 | mg/L | | 1.000 | 0.857 | 102 | 80-120 | | |
| Matrix Spike Dup (B424521-MSD3) | Sample: HA039 | 26-01 | | Prepared & | Analyzed: 02 | /02/24 | | | |
| Fluoride | 1.88 | mg/L | | 1.000 | 0.857 | 102 | 80-120 | 0.3 | 20 |
| Batch B424728 - SW 3015 - EPA 6020A | | | | | | | | | |
| Blank (B424728-BLK1) | | | | Prepared: 0 | 02/06/24 Anal | yzed: 02/15/2 | 4 | | |
| Boron | < 10 | ug/L | | | | | | | |
| Calcium | < 0.20 | mg/L | | | | | | | |
| Magnesium | < 0.10 | mg/L | | | | | | | |
| Potassium | < 0.10 | mg/L | | | | | | | |
| Sodium | < 0.10 | mg/L | | | | | | | |
| LCS (B424728-BS1) | | | | Prepared: 0 | 02/06/24 Anal | yzed: 02/15/2 | 4 | | |
| Boron | 526 | ug/L | | 555.6 | | 95 | 80-120 | | |
| Calcium | 5.33 | mg/L | | 5.556 | | 96 | 80-120 | | |
| Magnesium | 5.63 | mg/L | | 5.556 | | 101 | 80-120 | | |
| Potassium | 5.19 | mg/L | | 5.556 | | 93 | 80-120 | | |
| Sodium | 5.59 | mg/L | | 5.556 | | 101 | 80-120 | | |
| Batch B424779 - No Prep - SM 2320B 1997 | | | | | | | | | |
| Duplicate (B424779-DUP4) | Sample: HA039 | 25-11 | | Prepared & | Analyzed: 02 | /06/24 | | | |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | _ | | ND | | | | 10 |
| Alkalinity - bicarbonate as CaCO3 | 388 | mg/L | | | 388 | | | 0 | 10 |
| Duplicate (B424779-DUP6) | Sample: HA040 | 58-01 | | Prepared & | Analyzed: 02 | /06/24 | | | |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | | ND | | | | 10 |
| Alkalinity - bicarbonate as CaCO3 | 438 | mg/L | | | 400 | | | 9 | 10 |
| Duplicate (B424779-DUP7) | Sample: HA039 | 25-01 | | Prepared & | Analyzed: 02 | /06/24 | | | |
| Alkalinity - bicarbonate as CaCO3 | 400 | mg/L | | | 388 | | | 3 | 10 |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | | ND | | | | 10 |

QC SAMPLE RESULTS

| | | | | Spike | Source | | %REC | | RPD |
|--|---------------|--------|----------|---------------------------------------|------------------------|--------------|--------|-----|------|
| Parameter | Result | Unit | Qual | Level | Result | %REC | Limits | RPD | Limi |
| Batch B424892 - IC No Prep - EPA 300.0 REV 2.1 | | | | | | | | | |
| Calibration Blank (B424892-CCB1) | | | | Prepared & | Analyzed: 02/ | /06/24 | | | |
| Fluoride | 0.00 | mg/L | | | | | | | |
| Chloride | 0.00 | mg/L | | | | | | | |
| Sulfate | 0.00 | mg/L | | | | | | | |
| Calibration Check (B424892-CCV1) | | | | Prepared & | Analyzed: 02/ | /06/24 | | | |
| Fluoride | 5.21 | mg/L | | 5.000 | | 104 | 90-110 | | |
| Chloride | 4.90 | mg/L | | 5.000 | | 98 | 90-110 | | |
| Sulfate | 5.24 | mg/L | | 5.000 | | 105 | 90-110 | | |
| Matrix Spike (B424892-MS1) | Sample: HA039 | 25-01 | | Prepared & | Analyzed: 02/ | /06/24 | | | |
| Fluoride | 1.43 | mg/L | | 1.500 | ND | 95 | 80-120 | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 153 | NR | 80-120 | | |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 16 | NR | 80-120 | | |
| Matrix Spike (B424892-MS2) | Sample: HA039 | 25-05 | | Prepared & | Analyzed: 02/ | 06/24 | | | |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 16 | NR | 80-120 | | |
| Fluoride | 1.34 | mg/L | Q1 | 1.500 | 0.268 | 71 | 80-120 | | |
| Matrix Spike (B424892-MS3) | Sample: HA039 | - | | Prepared & | Analyzed: 02/ | /06/24 | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 39.2 | NR | 80-120 | | |
| Fluoride | 1.42 | mg/L | Q1 | 1.500 | 0.226 | 79 | 80-120 | | |
| Matrix Spike Dup (B424892-MSD1) | Sample: HA039 | - | | | Analyzed: 02/ | | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 153 | NR | 80-120 | 0 | 20 |
| Fluoride | 1.45 | mg/L | Ψ. | 1.500 | ND | 97 | 80-120 | 1 | 20 |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 16 | NR | 80-120 | 0 | 20 |
| Matrix Spike Dup (B424892-MSD2) | Sample: HA039 | ŭ | Q. | | Analyzed: 02/ | | 00 120 | Ü | 20 |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 16 | NR | 80-120 | 0 | 20 |
| Fluoride | 1.35 | mg/L | Q2 | 1.500 | 0.268 | 72 | 80-120 | 0.7 | 20 |
| Matrix Spike Dup (B424892-MSD3) | Sample: HA039 | - | QΖ | | Analyzed: 02/ | | 00-120 | 0.1 | 20 |
| Fluoride | 1.38 | mg/L | Q2 | 1.500 | 0.226 | 77 | 80-120 | 3 | 20 |
| Sulfate | 1.00E9 | mg/L | Q2 Q4 | 1.500 | 39.2 | NR | 80-120 | 0 | 20 |
| Sunate | 1.0029 | IIIg/L | Q4 | 1.500 | 39.2 | IVIX | 00-120 | U | 20 |
| Batch B424893 - IC No Prep - EPA 300.0 REV 2.1 | | | | | | | | | |
| Calibration Blank (B424893-CCB1) | | | | Prepared & | Analyzed: 02/ | 06/24 | | | |
| Fluoride | 0.00 | mg/L | | · · · · · · · · · · · · · · · · · · · | 7 iiiai y 20 a . 0 2 / | | | | |
| Sulfate | 0.00 | mg/L | | | | | | | |
| Chloride | 0.0683 | mg/L | | | | | | | |
| Calibration Check (B424893-CCV1) | 0.0000 | mg/L | | Prenared & | Analyzed: 02/ | /06/24 | | | |
| Sulfate | 5.31 | mg/L | | 5.000 | 7 tharyzod. 02/ | 106 | 90-110 | | |
| Chloride | 5.17 | mg/L | | 5.000 | | 103 | 90-110 | | |
| Fluoride | 5.31 | mg/L | | 5.000 | | 106 | 90-110 | | |
| | Sample: HA040 | - | | | Analyzed: 02/ | | 30-110 | | |
| Matrix Spike (B424893-MS2) Sulfate | 1.34 | | | 1.500 | | 89 | 80-120 | | |
| Fluoride | 1.34 | mg/L | 01 | 1.500 | ND 0.257 | | | | |
| | | mg/L | Q1 | | | 78 107/24 | 80-120 | | |
| Matrix Spike Dup (B424893-MSD2) | Sample: HA040 | | | - | Analyzed: 02/ | | 90 100 | 0 | |
| Sulfate | 1.45 | mg/L | | 1.500 | ND 0.057 | 96 | 80-120 | 8 | 20 |
| Fluoride | 1.47 | mg/L | | 1.500 | 0.257 | 81 | 80-120 | 3 | 20 |

Batch B424981 - No Prep - SM 2540C

QC SAMPLE RESULTS

| | | | | Spike | Source | | %REC | | RPD |
|--|---------------|-------|------|------------|---------------|-------|----------|-----|------|
| Parameter | Result | Unit | Qual | Level | Result | %REC | Limits | RPD | Limi |
| Blank (B424981-BLK1) | | | | Prepared & | Analyzed: 02/ | 08/24 | | | |
| Solids - total dissolved solids (TDS) | 20.0 | mg/L | В | | | | | | |
| LCS (B424981-BS1) | | | | Prepared & | Analyzed: 02/ | 08/24 | | | |
| Solids - total dissolved solids (TDS) | 980 | mg/L | | 1000 | | 98 | 84.9-109 | | |
| Batch B424988 - IC No Prep - EPA 300.0 REV 2.1 | | | | | | | | | |
| Calibration Blank (B424988-CCB1) | | | | Prepared & | Analyzed: 02/ | 07/24 | | | |
| Chloride | 0.00 | mg/L | | | | | | | |
| Sulfate | 0.00 | mg/L | | | | | | | |
| Calibration Check (B424988-CCV1) | | | | Prepared & | Analyzed: 02/ | 07/24 | | | |
| Chloride | 4.79 | mg/L | | 5.000 | | 96 | 90-110 | | |
| Sulfate | 4.95 | mg/L | | 5.000 | | 99 | 90-110 | | |
| Batch B425298 - IC No Prep - EPA 300.0 REV 2.1 | | | | | | | | | |
| Calibration Blank (B425298-CCB1) | | | | Prepared & | Analyzed: 02/ | 09/24 | | | |
| Chloride | 0.00 | mg/L | | | | | | | |
| Calibration Check (B425298-CCV1) | | | | Prepared & | Analyzed: 02/ | 09/24 | | | |
| Chloride | 4.85 | mg/L | | 5.000 | | 97 | 90-110 | | |
| Matrix Spike (B425298-MS1) | Sample: HA040 | 58-01 | | Prepared & | Analyzed: 02/ | 09/24 | | | |
| Chloride | < 1.0 | mg/L | Q1 | 1.500 | 2.0 | NR | 80-120 | | |
| Matrix Spike Dup (B425298-MSD1) | Sample: HA040 | 58-01 | | Prepared & | Analyzed: 02/ | 09/24 | | | |
| Chloride | < 1.0 | mg/L | Q2 | 1.500 | 2.0 | NR | 80-120 | | 20 |
| Batch B425397 - IC No Prep - EPA 300.0 REV 2.1 | | | | | | | | | |
| Calibration Blank (B425397-CCB1) | | | | Prepared & | Analyzed: 02/ | 12/24 | | | |
| Sulfate | 0.00 | mg/L | | | | | | | |
| Chloride | 0.00 | mg/L | | | | | | | |
| Fluoride | 0.00 | mg/L | | | | | | | |
| Calibration Check (B425397-CCV1) | | | | Prepared & | Analyzed: 02/ | 12/24 | | | |
| Sulfate | 5.17 | mg/L | | 5.000 | | 103 | 90-110 | | |
| Fluoride | 5.20 | mg/L | | 5.000 | | 104 | 90-110 | | |
| Chloride | 5.03 | mg/L | | 5.000 | | 101 | 90-110 | | |

NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807 USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389 TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050 Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

- B Present in the method blank at 20 mg/L.
- B2 Contamination does not impact data since sample result is greater than ten times the contamination level found in the blank.
- BS1 Blank Spike recovery exceeds the acceptance criteria. Sample result is less than the method reporting limit.
- M Analyte failed to meet the required acceptance criteria for duplicate analysis.
- Q1 Matrix Spike failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
- Q2 Matrix Spike Duplicate failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
- Q3 Matrix Spike/Matrix Spike Duplicate both failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
- Q4 The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level.

 The associated blank spike was acceptable.

Dian Bellings

Certified by: Diane Billings, Project Manager



APPENDIX A.
ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT

CHAIN-OF-CUSTODY / Analytical Request Document

DUCK CREEK, LANDFILE DC-257-204 Intact (Y/N) Project No./ Lab I.D. DRINKING WATER SAMPLE CONDITIONS Cooler (Y/N) 0 Custody Sealed 2 Ice (Y/N) REGULATORY AGENCY OTHER Received on Page: Residual Chlorine (Y/N) 0 Jemp in °C GROUND WATER = TIME OC-MbCb-503-509 65 RCRA Requested Analysis Filtered (Y/N) OC-SUP-000 18/24 STATE: DC-CLOSURE-201-202 Site Location DATE OC-842-205 1/8/1 NPDES UST DC-842-503 01, DC-842-501-505 OC-811-204 MANDDIVY): ACCEPTED BY / AFFILIATION OC-527-205 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately DC-521-504 OC-521-503 Last zisylsnA TN/A Other teran Methanol see Section A Brian Voelker Preservatives Na2S2O3 HOEN HCI XXX XXXX HNO DOS H Section C Unpreserved tention: XXX XX kuote keference: Project Manager: Profile #: TIME Address: X 1/8/24 165 NN chm NN # OF CONTAINERS SAMPLER NAME AND SIGNATURE SIGNATURE of SAMPLER: SAMPLE TEMP AT COLLECTION PRINT Name of SAMPLER: DATE Daryl Johnson: Robert. Johnson@vistracorp.com 18 40 1439 1520 431 530 1400 Ohni エノエ TIME COLLECTED RELINQUISHED BY / AFFILIATION 118/24 8/24 18/24 124 1118 (24 11812H 11/8/11 18/24 DATE 18 Section B Required Project Information: Sam Davies: sail Report To: Brian Voelker 2285 25 25 9 0 0 2 SAMPLE TYPE (G=GRAB C=COMP) 'urchase Order No. 3 Project Number: MATRIX CODE roject Name. Joby To. Valid Matrix Codes
MATRIX CODE
DRINKING WIT
WATER WW
MATER WWE
PRODUCT
SOL/SOLID
31. T W W W T T raCorp com 10 day DC-24Q1 Rev 0 ADDITIONAL COMMENTS Vistra Corp-Duck Creek (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE 1487 ナスクト トメメイ 17751 North Cilco Rd 5909 1431 \$ 600 SAMPLE ID 7909 Canton, IL 61520 FR Brian Voelker@ Required Client Information Requested Due Date/TAT: none: (217) 753-8911 Required Client Information Section D Company mail To: Address 15 10 12 13 4 6 = 7 3 4 2 9 1 8 # MaTI

21

HA03925 ZC

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

| Address: 1 | Vistra Corp-Duck Creek | Report To: Brian Voelker | Report To: Brian Voelker | ian Vc | 'oelker | | | | Attention: | tion: Bri | Brian | Brian Voelker | - | | | | | _ | | | | | J | | | | pc- |
|-------------|--|--|--------------------------|--|--------------------------|--|--|---------------------------|---------------------|----------------------|-------------------------|-----------------|----------|--------------|------------------|------------|------------------------|----------------|------------------|-----------------------------------|--------------------|------------|-------------------|-------------------------|-------|-----------------------|----------|
| | 2254 M. 4t. Oil D.3 | Š | Tor Co | 00 | 00 | Section of the second | Series Constant | | i de | Man Man | | 1 | | | | | | 1 | | | | | | | | | 25 |
| | 17751 North Cilco Rd | 9 | Copy 10: Sa | am Da | avies. Se | amantna.davies | Sam Davies: samantna.davies@vistracorp.com | | Con | company name | -1 | Vistra Corp | dio | | | | | | | | | REGI | REGULATORY AGENCY | RY AG | ENCY | | 57- |
| 0 | Canton, IL 61520 | | Ď | aryl Jol | hnson: | Daryl Johnson: Robert, Johnson@vistracorp. | n@vistracorp.com | E | Address: | ess: | see S | see Section A | ¥ | | | | | | NPDES | S | GR | COUND | GROUND WATER | ~ | DRIN | DRINKING WATER | 204 ∝ |
| Email To: B | Brian.Voelker@VistraCorp.com | | Purchase Order No.: | er No.: | | | | | Quote Reference: | ince: | | | | | | | | | UST | | RC | RCRA | | 0 | OTHER | | |
| e. (217) | Phone. (217) 753-8911 Fax: | Pro | Project Name | | | | | | Project Manager: | t ter: | | | | | | | | L | Site | Site Location | uo | | 9 | | | | |
| equested D | Requested Due Date/TAT: 10 | 10 day Pro | Project Number: 2285 | ar. 22 | 385 | | | | Profile #: | # | | | | | | | | | | STATE: | ij | | 9 | | | | |
| | | | | | | | | N | H | | H | | | Н | | Re | quest | ed An | alysis | Requested Analysis Filtered (Y/N) | red (Y | (N) | | - | | | |
| Section | Section D Required Client Information | 0 | JE J | | 1.00 | COLLE | COLLECTED | | | | Preservatives | vative | S | 1 N /A | | | | | | | | | 7 1 | | | | |
| San | SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE | WATER WATER WANTER WANTER WASTE WATER SOLLSOLD OL WIPE WIPE WIPE TISSUE TISSUE | | MATRIX CODE (see valid codes to SAMPLE TYPE (G=GRAB C=CON | 100-0 aWe-0 7-11 77 1990 | DATE | TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved H₂SO₄ | HCI HNO ³ | HObN ¿Osèsen | Methanol | Other Leaf 4 | 0C-267-203 | 0C-227-204 | OC-811-50 4 | OC-842-501-505 | OC-842-503 | OC-842-502 | OC-CROSOME-SOJ-SOS | OC-201-000 | | Residual Chlorine (Y/N) | Pro | Project No./ Lab I.D. | ab I.D. |
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| | (5125 | | 3 | M | - | 126/2H | マギノ | | 3 | Y. | لا | | | | | | | | | | | | | | | | |
| 9 | 55/9 | | 7 | 5 | - | 126/24 | 1)50 | | Δ | X | X | | | | | | | | | | | | | - | | | |
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| | | | | | | SAMPLE | SAMPLER NAME AND SI | SIGNATURE | E. | 1 | 12 | 2 | | 1 | | 1 | 1 | | | | | | T | D. U | (N/. | ody Sooler | Intac |
| | | | | | | | PRINT NAME OF SAMPLER. | Amr CL | , | 1 | | - | 1 | 1 | 3 | 812 | - | | | | | | 1 | du | | | N/Y |

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accuralely Section A Section B Section C of Page: Required Client Information Required Project Information Invoice Information Company Vistra Corp-Duck Creek Report to Brian Voelker Brian Voelker Attention Address 17751 North Cited Rd Company Name Vistra Corp apy To Sam Davies samantha.davies@vistracorp.com REGULATORY AGENCY Canton, IL 61520 Daryl Johnson Robert Johnson@vistracorp.com Address see Section A NPDES **GROUND WATER** DRINKING WATER Email To Brian, Voelker@VistraCorp,com Purchase Order No. Quate UST RCRA OTHER (217) 753-8911 Project Name Pmject Site Location Manager IL raject Number 2285 mille # Requested Due Date/TAT 10 day STATE Requested Analysis Filtered (Y/N) Section D Valid Matrix Codes Required Client Information MATRIX COLLECTED Preservatives WATER WW WASTE WATER -201-202 PHODUCT SAMPLE TEMP AT COLLEC Chionne (Y/N) SCH /SOLET JC-WPCP-203-206 366 Analysis Test WHE SAMPLE ID CONTAINERS C-CLOSURE OTHER (A-Z. 0-9 / -) MATRIX CODE SUP-000 C-845-201-THISTUE JC-845-205 Sample IDs MUST BE UNIQUE 204 C-257-205 C-811-204 845-203 Unpresent H₂SO₂ HNO₃ DC-257-257 SAMPLE Methar TEM 6 00 Project No./ Lab I.D. TIME BAOI M 1 1/26/24 4X 1222 BAOI 222 2 DUD B A04 3 1338 4x K BAOD 1/26/24 1453 5 12 47 6155 1150 3 1253L 1140 6531 240 6575 1424 10 L103 1050 0M07 1354 11 12 08 11 1210 08.11 13 : 210 126/24 0/20 14 1300 1/26/24 15 1403 2 P37L 16 Farpment Blank 1430 ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION SAMPLE CONDITIONS DC-24Q1 Rev 0 1/26/24 160H Vaslan + 1601 5 8 SAMPLER NAME AND SIGNATURE Received of Custody aled Coo (Y/N) permise vion PRINT Name of SAMPLER: **DATE Signed** SIGNATURE of SAMPLER 01/26/24

Confidential

CHAIN-OF-CUSTODY / Analytical Request Document

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

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| Company | Visita Corp-Duck Creek | hepon to Brian Voelker | oelker | | | | Attention: | Bria | Brian Voelker | La C | | | | | | | | | | | | | .23 | |
| Address: | 17751 North Cilco Rd | Copy To: Sam Da | vies: sam | Sam Davies: samantha,davies@vistracorp. | evistracorp.com | i i | Company Name: | Name: | Vistra Corp | orp | | | | | | | | RE | SULAT | ORY A | REGULATORY AGENCY | | 7-2 | |
| | Canton, IL 61520 | Daryl Jo | hnson: Ro | Daryl Johnson: Robert, Johnson@vistracorp | @vistracorp.com | | Address. | see | see Section A | 4 | | | | | N N | NPDES | ľ | ROUN | GROUND WATER | E E | DRIN | DRINKING WATER | | |
| Email To: | Brian.Voelker@VistraCorp.com | Purchase Order No.: | | | | | Quote Reference: | | | | | | | | ns | UST | | RCRA | | | OTHER | | | ΞK, |
| Phone: (2 | (217) 753-8911 Fax: | Project Name | | | | | Project | | | | | | | | S | Site Location | ation | | | | | | | LΑΙ |
| sanba | Requested Due Date/TAT: 10 day | Project Number: 22 | 2285 | | | | rofile #: | | | | | | | T | | ST | STATE: | | = | | | | | NDF |
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| พีซี | Section D Valid Matrix Codes Required Client Information MATRIX CODE | code (eff.) | | COLLECTED | CTED | | | Pres | Preservatives | s | † n/A | | | | | | | | | | | | | 1 |
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| | ADDITIONAL COMMENTS | RELING | JISHED BY | RELINQUISHED BY / AFFILIATION | | DATE | TIME | H | | ACCEPTED BY / AFFILIATION | TED BY | / AFFIL | IATION | | Н | DATE | П | TIME | 3 | | SAMP | SAMPLE CONDITIONS | SNOI | П |
| Ш | DC-24Q1 Rev 0 | | 1 | | 7 | 1/29/20 | 1620 | _ | 1 | | | | | П | H | | | | | | | | - | |
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| | | | | SAMPLER | SAMPLER NAME AND SIGNATURE | SNATURE | | , | | | | | 1 | | | | | | | 0 | no | - 3 | | |
| | | | | Δ. | PRINT Name of SAMPLER: | AMPLER: | | Aa | ason | 1 | 20 | 160 | 601/2 | 6 | | | | | | ui di | bevie N/Y) | (bolar | (N/X) | (N/A |
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(MM/DOM): 37/01/24

DC-257-204 CHAIN-OF-CUSTODY / Analytical Request Document HBCO235 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Section C 10 Required Client Information: Required Project Information Invoice Information Company Vistra Corp-Duck Creek Report To: Brian Voelker Brian Voelker Address: 17751 North Cilco Rd Copy To: Sam Davies: samantha.davies@vistracorp.com Company Name: Vistra Corp REGULATORY AGENCY Canton, IL 61520 Daryl Johnson: Robert.Johnson@vistracorp.com see Section A DRINKING WATER NPDES GROUND WATER 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 Profile # Requested Due Date/TAT: 10 day STATE Requested Analysis Filtered (Y/N) Section D IN/A Valid Matrix Codes C=COMP) Required Client Information COLLECTED Preservatives oi seboo bilev 202 WASTE WATER (G=GRAB PRODUCT SOIL/SOLID OC-WPCP-203-206 203 Analysis Test SAMPLE ID WIPE AIR OC-CLOSURE CODE (A-Z, 0-9/ .-) OTHER OC-SUP-000 SAMPLE TYPE DC-845-201-JC-257-204 C-257-205 JC-845-203 DC-845-205 Sample IDs MUST BE UNIQUE DC-811-204 dual # OF Project No./ Lab I.D. DATE TIME 1 12045 1200 2 6071 1003 3 608L 1034 4 60 QL 2 1056 5 4 1437 6 DUP 6 63 L 4 1437 5 7 6.646 1319 8 POSL 1126 0938 9 2 10 X301 1456 11 1534 12 13 14 15 ADDITIONAL COMMENTS SAMPLE CONDITIONS RELINQUISHED BY / AFFILIATION ACCEPTED BY / AFFILIATION DATE DC-24Q1 Rev 0 1038 SAMPLER NAME AND SIGNATURE

Confidential

PRINT Name of SAMPLER: SIGNATURE of SAMPLER: APPENDIX A.
ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204

SAR-3: Episodic Depth to Groundwater Measurements

All DTWs on SAR-3 must be collected within 24 hours.

Plant: DC

Event: DC-24Q1 Rev 0

| Well | Unique ID | Unit Numt | Unit Name | Date | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|-------|-----------|-----------|-----------|---------|------|---|--------------|----------|
| BA01C | DC-BA01!C | 205 | ВАВ | 1/17/24 | 1019 | 13,50 | | LR |
| BA01L | DC-BA01!L | 205 | ВАВ | 1/17/24 | 1021 | 12.43 | | 22 |
| G02D | DC-G02&D | 204 | LF | 1/24/24 | 1342 | 22.10 | | LR |
| G02L | DC-G02!L | 204 | LF | 1/24/24 | 1338 | 6.63 | | LR |
| G03L | DC-G03!L | 204 | LF | 1/17/24 | 1227 | 5.05 | | AM |
| G03S | DC-G03#S | 204 | LF | 1/17/24 | 1228 | 5.08 | | Am |
| G04L | DC-G04!L | 204 | LF | 1/24/24 | 1318 | 15.02 | | 8Ca |
| G04S | DC-G04#S | 204 | LF | 1/24/24 | 1319 | 14.48 | | LR |
| G06L | DC-G06!L | 204 | LF | 1/17/24 | 1441 | 20.64 | | AM |
| G06S | DC-G06#S | 204 | LF | 1/17/24 | 1439 | 20.69 | | An |
| G07L | DC-G07!L | 204 | LF | 1/17/24 | 1442 | 20.42 | | AM |
| G08L | DC-G08!L | 204 | LF | 1/17/24 | 1445 | 20.07 | | Am |
| G09L | DC-G09!L | 204 | LF | 1/17/24 | 1424 | 20.60 | | LA |
| G09S | DC-G09#S | 204 | LF | 1/17/24 | 1426 | 20.39 | | LR |
| G12L | DC-G12!L | 204 | LF | 1/17/24 | 1411 | 23.31 | | LR |
| G12S | DC-G12#S | 204 | LF | 1/17/24 | 1409 | 23.98 | | LR |
| G14L | DC-G14!L | 204 | LF | 1/17/24 | 1402 | 26.44 | | 11 |
| G15L | DC-G15!L | 204 | LF | 1/17/24 | 1350 | 32.22 | | LR |
| G15S | DC-G15#S | 204 | LF | 1/17/24 | 1348 | 32,31 | | 4 |
| G16L | DC-G16!L | 204 | LF | 1/17/24 | 1344 | 29.65 | | ER |
| G50L | DC-G50!L | 203 | GMF | 1/17/24 | 1017 | 10.85 | | JB |
| G51L | DC-G51!L | 203 | GMF | | | 10,48 | Pump removes | 5B |
| G52L | DC-G52!L | 203 | GMF | 1/17/24 | 0951 | 24.78 | | 73 |

654C DC-654 C 203 GME 1/17/24 +305 37.14

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SAR-3: Episodic Depth to Groundwater Measurements

All DTWs on SAR-3 must be collected within 24 hours.

Plant: DC

Event: DC-24Q1 Rev 0

| Well | Unique ID | Unit Num! | Unit Name | Date | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|------|-----------|-----------|-----------|----------|--------|---|--------------------------|----------|
| G52S | DC-G52#S | 203 | GMF | 07/17/24 | 09155 | 34.85 | | B |
| G53L | DC-G53!L | 203 | GMF | 01/17/24 | 10:31 | 11.76 | | J/B |
| G53S | DC-G53#S | 203 | GMF | 01/17/24 | 10:31 | 13.35 | | is |
| G55L | DC-G55!L | 203 | GMF | 01/17/24 | 15:13 | 30.95 | | X13 |
| G55S | DC-G55#S | 203 | GMF | 07/17/24 | 15:13 | 21.78 | | B |
| G56L | DC-G56!L | 203 | GMF | 07/17/24 | 13:57 | 19.98 | Not locked on arrival | B |
| G56S | DC-G56#S | 203 | GMF | 07/17/24 | 13:57 | 20.15 | | B |
| G57L | DC-G57!L | 203 | GMF | 07/17/24 | 13:48 | 93.8 | Not locked on arrival | 1B |
| G58L | DC-G58!L | 203 | GMF | 01/17/24 | 13:39 | 28.3 | Not locked on arrival | B |
| G58S | DC-G58#S | 203 | GMF | 07/17/24 | 13:39 | 28.06 | | HB |
| G59L | DC-G59!L | 203 | GMF | 01/17/24 | 13:33 | 31.33 | Not locked on arrival | 1B |
| G59S | DC-G59#S | 203 | GMF | 01/17/24 | 13:33 | 33.44 | | B |
| G61S | DC-G61#S | 203 | GMF | 07/17/24 | 11:42 | 22.43 | | B |
| G62L | DC-G62!L | 203 | GMF | 01/17/24 | 11:18 | 23.46 | | JB |
| G63L | DC-G63!L | 203 | GMF | 01/17/24 | 10:55 | 25.32 | | B |
| G63S | DC-G63#S | 203 | GMF | 01/17/24 | 10:55 | 25.51 | | dB |
| G65L | DC-G65!L | 203 | GMF | 07/17/24 | 14:30 | 19.74 | | B |
| G65S | DC-G65#S | 203 | GMF | 01/17/24 | 14:30 | 20.03 | | JB |
| G66L | DC-G66!L | 203 | GMF | 07/17/24 | 141,09 | 13.79 | Pump removed | B |
| G66S | DC-G66#S | 203 | GMF | 07/17/24 | 14:09 | 14.09 | | JB |
| G67L | DC-G67!L | 203 | GMF | 01/17/24 | 14:05 | 19:41 | | JB |
| G67S | DC-G67#S | 203 | GMF | 01/17/84 | 14:05 | 13:25 | | JB |
| G68L | DC-G68!L | 203 | | 01/17/24 | 15:05 | 12.97 | | B |

Page 2 of 5

SAR-3: Episodic Depth to Groundwater Measurements

All DTWs on SAR-3 must be collected within 24 hours.

Plant: DC

Event: DC-24Q1 Rev 0

| Well | Unique ID | Unit Numt | Unit Name | Date | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|-------|-----------|-------------|-----------|---------|------|---|----------|----------|
| G68S | DC-G68#S | 203 | GMF | 1/17/24 | 1505 | 13.78 | | JB |
| G69L | DC-G69!L | 203 | GMF | 1/17/24 | 1507 | 13.67 | | JB |
| G69S | DC-G69#S | 203 | GMF | 1/17/24 | 1507 | 16.62 | | AW |
| G70L | DC-G70!L | 203 | GMF | 1/17/24 | 1456 | 16.18 | | Jn |
| G71L | DC-G71!L | 203 | GMF | 1/17/24 | 1449 | 18-58 | | Jn |
| G71S | DC-G71#S | 203 | GMF | 1/17/24 | 1441 | 19.45 | | JB |
| G72L | DC-G72!L | 203 | GMF | 1/17/24 | 1441 | 20.32 | | AW |
| G73L | DC-G73!L | 203 | GMF | 1/17/24 | (438 | 26.50 | | JB |
| L103 | DC-L103 | 204 | LF | 1/18/24 | 1024 | 1.97 | | TR |
| OM05S | DC-OM05#S | 202 | AP1/ 2 | 1/18/24 | 1034 | 22.67 | | AP |
| OM08 | DC-OM08 | 202 | AP1/ 2 | 1/18/24 | 4111 | 14.39 | | LR |
| ОМ09 | DC-OM09 | 202 | AP1/ 2 | 1/1724 | 1315 | 3.40 | | Ap |
| OM10 | DC-OM10 | 202 | AP1/ 2 | 1/17/24 | 1125 | 13.15 | | AP |
| OM15 | DC-OM15 | 202 | AP1/ 2 | 1/18/24 | 1200 | 27.34 | | 26 |
| OM22S | DC-OM22#S | 202 | AP1/ 2 | 1/17/24 | 1331 | 20:10 | | Ap |
| OM23S | DC-OM23#S | 202 | AP1/ 2 | V17/24 | 1411 | 42.06 | | AP |
| OM25D | DC-OM25&D | 202 | | 1/17/24 | 1446 | 57.95 | | AP |
| OR03S | DC-OR03#S | 202 | AP1/ 2 | 1/18/24 | 1042 | 45. bit | | LR |
| OR05D | DC-OR05&D | 202 | AP1/ 2 | 1/18/24 | 1032 | 22.07 | | AP |
| OR14S | DC-OR14#S | 202 | AP1/ 2 | 1/18/24 | 1055 | 6.72 | | AP |
| OR18 | DC-OR18 | 201- 202 | AP1/ 2 | 1/17/24 | 1031 | 20.07 | | AP |
| P01I | DC-P01\$I | 204 | LF | 1/24/24 | | 8.20 | | LR |
| P01L | DC-P01!L | 204 | LF | 1124/24 | 1353 | 6.89 | | LA |

SAR-3: Episodic Depth to Groundwater Measurements All DTWs on SAR-3 must be collected within 24 hours.

Plant:

DC-24Q1 Rev 0 **Event:**

| Well | Unique ID | Unit Numk | Unit Name | Date | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|-------|------------|-----------|-----------|---------|-------|---|----------------|----------|
| P01S | DC-P01#S | 204 | LF | 1/24/24 | 352 | 6.87 | | LR |
| P02S | DC-P02#S | 204 | LF | 1/24/24 | 1340 | 7,40 | | LP |
| P04S | DC-P04#S | 204 | LF | 1/24/24 | 1319 | 14.48 | 6045 | LR |
| P05D | DC-P05&D | 204 | LF | 1/24/24 | 13/3 | 5.70 | | LR |
| P05L | DC-P05!L | 204 | LF | 1124124 | 1309 | 4.37 | | 1.R |
| P05S | DC-P05#S | 204 | LF | 1/24/24 | 1311 | 4,53 | 6056 | LR |
| P36D | DC-P36&D | 204 | LF | 1/17/24 | 1515 | Hilk | | in |
| P36L | DC-P36!L | 204 | LF | 1/17/24 | 1517 | 10.24 | | LR |
| P36S | DC-P36#S | 204 | LF | 1/17/24 | 1519 | 10.45 | | LR |
| P37D | DC-P37&D | 204 | LF | 1/17/24 | 1422 | 15.35 | | LR |
| P37L | DC-P37!L | 204 | LF | 1/17/24 | 1420 | 13,77 | | LR |
| P38L | DC-P38!L | 204 | LF | 1/17/24 | 1358 | 19.40 | | LR |
| P38S | DC-P38#S | 204 | LF | 1/17/24 | 1356 | 19.11 | | LR |
| P39D | DC-P39&D | 204 | LF | 1/17/24 | 1333 | 13.70 | | LR |
| P39L | DC-P39!L | 204 | LF | 1/17/24 | 1337 | 4.49 | | LR |
| P39S | DC-P39#S | 204 | LF | 1/17/24 | 1335 | 4.63 | | LR |
| P40L | DC-P40!L | 204 | LF | 1/17/24 | 1138 | 8.50 | | LR |
| P40S | DC-P40#S | 204 | LF | refelt | 7136 | 42 | 4.77 2/6/24 AP | × |
| P41D | DC-P41&D | 204 | LF | 1/17/24 | 1110 | 37.21 | | LR |
| P41L | DC-P41!L | 204 | LF | 1/17/24 | | 7.08 | | CR |
| P41S | DC-P41#S | 204 | LF | 1/17/24 | 1112_ | 9.45 | | LR |
| P42D | DC-P42&D | 204 | LF | 1/17/24 | 1120 | 38:38 | | LR |
| P42I1 | DC-P42\$I1 | 204 | LF | 1/17/24 | 1122 | 5,60 | | LR |

BG 2/7/24

SAR-3: Episodic Depth to Groundwater Measurements

All DTWs on SAR-3 must be collected within 24 hours.

Plant: DC

Event: DC-24Q1 Rev 0

| Well | Unique ID | Unit Num! | Unit Name | Date | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|--------|----------------------|-----------|-----------|---------|-------|---|---------------|----------|
| P42I2 | DC-P42%I2 | 204 | LF | 1/17124 | 1124 | 33.06 | | LR |
| P42L | DC-P42!L | 204 | LF | 1/17/24 | 1126 | H.68 | | LR |
| P42S | DC-P42#S | 204 | LF | 1/17/24 | 1128 | 5-43 | | LR |
| P52 | DC-P52 | 203 | GMF | 1/17/24 | 13 52 | 15.91 | | JB |
| P57L | DC-P57!L | 203 | GMF | 1/17/24 | 1429 | 17,26 | | 7B |
| P57S | DC-P57#S | 203 | GMF | 1/17/24 | 1429 | 16.91 | | JB. |
| P60 | DC-P60 | 203 | GMF | 1/17/24 | 1210 | 27.84 | | TB |
| P61 | DC-P61 | 203 | GMF | | 1144 | 12.34 | | IB |
| P62 | DC-P62 | 203 | GMF | 111124 | 1114 | 13.54 | | JR |
| P63 | DC-P63 | 203 | GMF | 1/17/24 | 1056 | 16.16 | | IB |
| P64 | DC-P64 | 203 | | 1/11/24 | 1132 | 14-66 | | JB |
| R10L | DC-R10!L | 204 | LF | 1/17/24 | | 22.00 | | LR |
| R11L | DC-R11!L | 204 | LF | 1/17/24 | 1416 | 22-60 | | Ln |
| R13L | DC-R13!L | 204 | LF | 1/17/24 | 1406 | 22.96 | | LR |
| R61L | DC-R61!L | 203 | GMF | 1/17/24 | 1141 | 22.23 | lock Broke | JB |
| R72S | DC-R72#S | 203 | GMF | V17/24 | 1441 | 26-18 | | TB |
| T43L | DC-T43!L | 204 | | 1/17/24 | 1428 | 6.65 | | LR |
| T44L | DC-T44!L | 204 | LF | 1/17/24 | 1451 | 10-01 | | LR |
| T45L | DC-T45!L | 204 | LF | 1/17/24 | 1453 | 5.70 | | LR |
| T46L | DC-T46!L | 204 | LF | 1/17/24 | 1511 | 6.45 | | LR |
| X301 | DC-X301- leachate | 203 | GMF | 1/18/24 | 1219 | _ | no measuring | PSP |
| XTPW02 | DC-XTPW02- pore | 203 | GMF | 1/18/24 | 1208 | 6.40 | 2014 | LK |
| | | | | | | | H:6/10/23 CV1 | |

U:6/19/23 GKJ

APPENDIX A.
ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204

sducer Downloads g the sampling event.

| easureme | collected | |
|---|--|--|
| Measureme | e collected | |
| -4: Depth to Groundwater Measurements - On-site Trans | TWs on SAR-4 form may be collected at anytime during | |
| asureme | collected | |
| me | <u>e</u> | |
| 꿑 | ă | |
| s - On-s | anytim | |
| ite Tran | e during | |

| | Comments Initials | | 1R | LR | LR LA | LA LA | 12 LA LA LA | 12 12 12 12 12 12 12 12 12 12 12 12 12 1 | 12 12 12 12 12 12 12 12 12 12 12 12 12 1 | 1 | SP (1 | 3 7 7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 4 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 8 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 以 A A A A A A A A A A B B B B B B B B B | 277777798 | は 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 以以以以以以以以以以以以 四 四 四 四 四 四 四 四 四 四 四 四 四 | 以以又以为以及以及以及以及以及以及 |
|-------------------------|---|---------|----------|----------|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| | Batt Con | | I | II | IZI | ZZZZ | IZIZI | TZZZZZ | IIIIII | IZZZZZZZ | エヌエスエヹヹュ | T Z Z Z Z Z Z Z Z Z | T Z Z Z Z Z Z Z Z Z | T Z T Z T T T T T Z | エヌエエエエエエエ | エヌエエニエエエニエ | エヌエエニエエエー | エヌエスエユニュエエー | エヌナスエユーエエエーエー |
| | Data down- loaded? | | | 2527 | | | | | | | <u> </u> | <u> </u> | | | | | | | |
| On-site Transducer Data | WL Reading on Transducer (ft) | | 573.36 | 73.36 | 73.36 71.85 | 73.36 71.85 4.63 72.77 | 73.36 71.85 4.63 72.47 | 73.36 71.85 72.77 72.47 72.47 | 73.36 71.85 4.63 72.47 72.47 72.21 | | | 2 2 2 - 20 5 | 7 7 - 27 5 | 7 | 7 | 7 | 7 7 7 2 2 2 | 7 7 7 2 2 2 | 7 7 7 2 2 2 |
| On-site its | Does Data Logger Serial No. Match? | | Sah | 227 | 224 | 222 | 425 | 425 | 425 | 465 | 4es | 425 425 425 425 425 425 425 | 4es 4es 4es 4es 4es | 4es 4es 4es 4es 4es 7es 7es 7es 7es | 4es | 4es | 465 465 465 465 465 465 465 465 465 465 | 465 465 465 465 465 465 465 465 465 465 | |
| | Data Logger Serial No. | | 21615533 | 21615533 | 21615533 21615636 21615682 | 21615533 21615636 21615682 21615637 | 21615533 21615636 21615682 21615637 21615687 | 21615533 21615636 21615682 21615637 21615687 21615631 | 21615533 21615636 21615682 21615637 21615687 21615631 21615540 | 21615533 21615636 21615682 21615637 21615687 21615531 21615540 21615525 | 21615533 21615636 21615682 21615637 21615687 21615540 21615525 21615554 | 21615533 21615682 21615682 21615687 21615631 21615540 21615525 21615554 21615554 | 21615533 21615682 21615682 21615687 21615631 21615540 21615525 21615554 21615554 21615554 21615554 | 21615533 21615682 21615682 21615637 21615637 21615531 21615554 21615554 21615554 21615590 21615690 | 21615533 21615682 21615682 21615687 21615631 21615540 21615554 21615554 21615591 21615690 21615684 | 21615533 21615682 21615682 21615687 21615687 21615540 21615554 21615554 21615591 21615690 21615684 21615683 | 21615533 21615682 21615682 21615687 21615631 21615540 21615554 21615554 21615591 21615690 21615684 21615683 21615683 | 21615533 21615636 21615682 21615637 21615631 21615540 21615525 21615525 21615535 21615535 21615535 21615584 21615683 21615683 21615677 | 21615533 21615636 21615682 21615637 21615631 21615540 21615554 21615554 21615554 21615554 216155691 21615690 21615684 21615683 21615677 21615688 |
| | Measured Depth to Water (ft bmp) | | 14.07 | 14.07 | 14.07 8.89 8.70 | 8.89 8.70 5.42 | 8.89 8.70 5.49 5.49 | 8.89 8.70 8.70 5.49 5.49 | 8.89 8.70 8.70 5.49 5.49 6.16 | 8.89 8.70 8.70 5.49 5.49 6.16 17.45 | 14.07 8.89 8.70 5.49 5.49 6.16 17.45 7.40 | 14.07 8.89 8.70 8.70 5.49 5.49 7.40 7.40 | 14.07 8.89 8.70 8.70 5.49 5.49 7.40 7.40 12.02 | 14.07 8.89 8.70 8.70 5.49 5.49 7.40 7.40 12.02 | 14.07 8.89 8.70 8.70 5.49 5.49 7.40 12.02 9.86 22.85 | 14.07 8.89 8.70 8.70 5.49 5.49 7.40 12.02 9.86 22.85 22.85 | 14.07 8.89 8.70 8.70 5.49 5.49 7.40 12.02 9.86 22.85 24.11 23.45 14.99 | 14.07 8.89 8.89 8.70 8.70 5.49 5.49 7.40 12.02 9.86 23.45 14.99 24.11 | 14.07 8.89 8.89 8.70 8.70 5.49 5.49 7.40 7.40 12.02 9.86 23.83 23.83 |
| | Time | | (617 | 1007 | 1007 | 1007 | | | | | 1007 1009 1009 0953 1030 1044 1340 | 1007 1009 1009 0953 1030 1044 1016 | 1007 1009 1009 1044 1044 1016 1016 | 1 m m 1 | L & M L | 1 m m r | 1007 1009 0955 0955 0953 1047 1016 1016 1016 1016 1008 1324 1324 | 1007 1009 0955 0955 0953 1047 1016 1016 1016 1008 1344 1209 1209 | 1007 1009 0955 0955 1009 1000 1000 1000 1000 |
| | Date | | 1/12/2H | | 1/17/24 1/17/24 | 1 | 4 | 1 2 4 1 | 2 2 2 3 | 2 2 4 1 2 2 | 1 2 4 3 3 3 7 | 1 2 4 2 2 3 | 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24 | 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24 | 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24 | 11724 11724 11724 11724 11724 11724 11724 11724 11724 11724 11724 11724 11724 | 11724 11724 11724 11724 11724 11724 11724 11724 11724 11724 11724 11724 11724 | 11724 11724 11724 11724 11724 11724 11724 11724 11724 11724 11724 | 17/24 17/24 17/24 17/24 17/24 17/24 17/24 17/24 17/24 17/24 17/24 |
| | Unit Name | BAB 5 | | BAB | | BAB BAB BAB | BAB BAB BAB BAB | BAB BAB BAB BAB | BAB BAB BAB BAB BAB | BAB BAB BAB BAB BAB BAB | BAB BAB BAB BAB BAB BAB | BAB BAB BAB BAB BAB BAB GMF | BAB BAB BAB BAB BAB BAB GMF GMF | BAB BAB BAB BAB BAB BAB GMF GMF | BAB BAB BAB BAB BAB BAB GMF GMF | BAB BAB BAB BAB BAB BAB GMF GMF GMF | BAB BAB BAB BAB BAB BAB BAB GMF GMF GMF | BAB BAB BAB BAB BAB BAB GMF GMF GMF | BAB BAB BAB BAB BAB BAB BAB GMF GMF GMF |
| | D Unit Number | 205 | | 205 | | | | | | | | | | | | | | | |
| | Unique ID | 200 | UC-DAUI | DC-BA01 | DC-BA02 DC-BA02 DC-BA02!L | DC-BA02 DC-BA02!IL DC-BA03 | DC-BA02 DC-BA02!L DC-BA03 | DC-BA021 DC-BA021L DC-BA031 DC-BA031L DC-BA04 | DC-BA021 DC-BA021L DC-BA031 DC-BA04 DC-BA04 | DC-BA021 DC-BA031 DC-BA031 DC-BA04 DC-BA05# DC-BA06 | DC-BA021L DC-BA031L DC-BA04 DC-BA04 DC-BA06 DC-BA06 DC-BA06 DC-BA06 | DC-BA021 DC-BA0211 DC-BA031 DC-BA04 DC-BA06 DC-BA06 DC-BA06 DC-GO2#S | DC-BA021 DC-BA0211 DC-BA031 DC-BA04 DC-BA04 DC-BA06 DC-BA06 DC-G50#S DC-G51#S | DC-BA021L DC-BA031L DC-BA04 DC-BA04 DC-BA06 DC-BA06 DC-G50#S DC-G51#S DC-G54!L | DC-BA021L DC-BA031L DC-BA04 DC-BA04 DC-BA06 DC-BA06 DC-G50#S DC-G51#S DC-G54!L DC-G54#S | DC-BA021 DC-BA0211 DC-BA0312 DC-BA04 DC-BA04 DC-BA06 DC-G50#S DC-G51#S DC-G54!L DC-G54!L DC-G54#S | DC-BA021 DC-BA031L DC-BA031L DC-BA04 DC-BA06 DC-BA06 DC-G02#S DC-G50#S DC-G51#S DC-G541L DC-G541L DC-G57#S DC-G57#S | DC-BA021 DC-BA031L DC-BA031L DC-BA04 DC-BA06 DC-BA06 DC-GO2#S DC-G50#S DC-G51#S DC-G54!L DC-G54!L DC-G54!L DC-G57#S | DC-BA021 DC-BA031L DC-BA031L DC-BA04 DC-BA06 DC-BA06 DC-GO2#S DC-G50#S DC-G51#S DC-G54!L DC-G54!L DC-G60!L DC-G60!L |
| | Well | D A 0.1 | DAG | BA02 | BA02 BA02L | BA02 BA02L BA03 | BA02 BA02L BA03L BA03L | BA02 BA02L BA03L BA03L BA04 | BA02 BA02L BA03L BA03L BA04 BA05 | BA02 BA02 BA03 BA03 BA04 BA05 BA06 | BA02 BA02L BA03L BA03L BA04 BA05 BA06 | BA02 BA02L BA03L BA03L BA04 BA05 BA06 G02S | BA02 BA02L BA03L BA03L BA04 BA05 BA06 G02S G50S G51S | BA02 BA02L BA03L BA03L BA04 BA05 BA06 G02S G50S G51S | BA02 BA02 BA03 BA03 BA04 BA05 BA06 G02S G50S G51S G54L G54S | BA02 BA02 BA03 BA031 BA04 BA05 G025 G525 G5505 G5542 G5545 G5575 | BA02 BA02 BA031 BA031 BA04 BA05 G025 G50S G550S G551S G551S G551S G551S | BA02 BA02 BA031 BA031 BA04 BA05 BA06 G025 G50S G51S G541 G575 G601 | BA02 BA02 BA03 BA03 BA04 BA06 G02S G50S G51S G54L G54S G60L G60S |

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APPENDIX A.
ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204

ments - On-site Transducer Downloads ted at anytime during the sampling event.

| R-4: Depth to Groundwater Measure | DTWs on SAR-4 form may be collect | ant: | -+40 |
|-----------------------------------|-----------------------------------|------|---------------|
| Dep | 0 5 | | |
| ž | S | 2 | 2 |
| 2 | AŖ | | .2A |
| 5 | 4 | | 5 |
| Ž | Form | | DC-2401 Bay 0 |
| wate | may | | _ |
| Σ | be | | |
| eas | 8 | | |
| <u>ure</u> | ect | | |

| | slaitinI | Ap | 7 | 器 | F | J. | Ap | AP | Ap | AP | AP | A | 4 | LR | 7 | Ao | 58 | A | Ap |
|-------------------------|---|--------------------|--------------------|--------------------|--------------------|--------------------|-------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------|--------------------|-------------|--------------------|--------------------|--------------------|
| | Comments | | | NO Pronstuer | No transtree | | | | | | | | | | | | | | |
| | Batt (H/M/L/R) | I | I | \ |) | H | I | I | X | I | エ | I | 7 | Z | Z | I | エ | 工 | J |
| | Data down- loaded? | yes | Ves | 1 |) | 750 | 781 | Ves | 765 | 465 | 165 | 40 | 22% | 705 | VES | Ves | 165 | 465 | Yes |
| On-site Transducer Data | WL Reading on Transducer (ft) | 582.62 | 20.985 | ١ | ١ | 5.74.60 | 580.02 | 594.52 | S 79,24 | 573.9H | 573.28 | \$70.76 | 595,205 | 582.76 | 285.80 | 581.30 | | 584.55 | 588.89 |
| On-site Ti | Does Data Logger Serial No. Match? | 465 | 165 | (| 1 | 465 | des | Ves | 52/ | 165 | 57/ | 57/ | 57/ | Ves | 168 | yes | 765 | Ves | 465 |
| | Data Logger Serial No. | 21615685 | 21615542 | 21615541 | 21615527 | 21615539 | 21615693 | 21615593 | 21615592 | 21615591 | 21615522 | 21615681 | 21615679 | 21615577 | 21615570 | 21615692 | 21615686 | 21615676 | 21564135 |
| | Measured Depth to Water (ft bmp) | 17.60 | 21.10 | 13,24 | 17.73 | 28.25 | 11.72 | 8811 | 10.97 | 34.30 | 3.63 | SS. 14 | 5.112 | 45,13 | 18.12 | 14.10 | 31.24 | 12-97 | 13.67 |
| | Time | 1350 | 1042 | 1011 | 107 | 1050 |)10K | 1103 | 1332 | IM13 | 1459 | ।परव | 1K37 | 1645 | (ond | born | 1051 | 10301 | 1012 |
| | Date | 1/17/2M | M2/21/ | W1/81/1 | 1/8/21/ | 1/11/2M | 111124 | 1/18/24 1103 | 1/17/24 | MITTIN | 1/17/24 | 1/17/2M | INTER | 1/18/LM | 1/18/24 | 1/18/2u | 1/18/W | 1/8/2H | 11/8//1 |
| | Unit Name | 201- AP1/ 202 2 | - AP1/ 2 | 201- AP1/ 202 2 | - AP1/ 2 | 201- AP1/ 202 2 | - AP1/ 2 | 201- AP1/ 202 2 | 201- AP1/ 202 2 | 201- AP1/ 202 2 |
| _ | Unit Number | 201- 202 | 201 | 201 | 201 | 201 | 201- 202 | 201 | 201 | 201 | 201 | 201 | 201 | 201- 202 | 201 | 201- 202 | 201 202 | 201· 202 | 201- |
| | Unique ID | DC-OM01 | DC-OM04#S | DC-OM07 | DC-OM12 | DC-OM16 | DC-OM17 | DC-OM21 | DC-OM22&D | DC-OM23&D | DC-OM24&D | DC-OM25#S | DC-OR02 | DC-OR03&D | DC-OR04&D | DC-OR061A | DC-OR11 | DC-OR13#S | DC-OR13&D |
| | Well | OM01 | OM04S | OM07 | OM12 | OM16 | OM17 | OM21 | OM22D | OM23D | OM24D | OM25S | OR02 | OR03D | OR04D | OR06A | OR11 | OR13S | OR13D |

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| | SIE | Comments | - 16 | |
|--------------------------|---|----------|--------------------|--|
| | | H/M/L/K) | | |
| | Data down- (H/N | | 57 | 1 57/ |
| el Data | WL Reading on do Transducer (ft) loa | | 8.GH V | 558 CA VES |
| Oil-site Harisuncer Data | WL Re Transc | | 58 | 58. |
| אוני-ווס | Does Data Logger Serial No. Match? | | 165 | 765 |
| | Data Logger Serial No. | | 21615611 | 21615611 |
| | Measured Depth to Water (ft bmp) | | FOMS | 70°48 24.66 |
| | Time | | 1055 | 1055 |
| | Date | | 1/18/24 105s | 1/18/24 1/18/24 |
| | Sunt Name | | 201- AP1/ 202 2 | 201- AP1/ 202 2 201- AP1/ 202 2 |
| _ | e ID Unit Number | | | |
| | Unique ID | | DC-OR14&D | DC-0R148 |
| | Well | | OR14D | OR14D OR19 |

SAR-4: Depth to Groundwater Measurements - On-site Transducer Downloads All DTWs on SAR-4 form may be collected at anytime during the sampling event.

Plant: DC

Event: DC-24Q1 Rev 0

DC DC-24Q1 Rev 0

APPENDIX A. ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204

| D | 0-257-204 | | | | | | | | |
|---------------|--|----------------------------|-------------|-----------|-----------|---------------|--------------|---------------|-------------|
| WELL/SAM | PLE POINT | G0 | 28 | | Purge I | Method: | Compre | s <i>so</i> r | |
| Date: | 01/29/ | /2024 | Start Time: | 13: | 28 | Finish/S | ample Time: | 14:33 | |
| Well Depth | (Bottom) Fro | om MP: | 29.81 | ft | | Min. Purge | Volume: | | Gal / L/ mL |
| Depth to Wa | ater From M | P: | 6.42 | ft | | Total Purge | Volume: | 1000 | Gal / L/ mL |
| Water Colu | mn Length: | | 23.39 | ft | | | | | |
| Well Water | Volume: | W/29/24 16.93 | 14.16 | Gal / L | | Total Drawo | lown: | 0.80 | ft |
| Reading | Time | Depth | Flow Rate | pН | Spec Cond | Temp | ORP | DO | Turb |
| (Units) | | ft. | mL/min | s.u. | umhos/cm | deg C | mV | mg/L | NTU |
| 1 | 1351 | 10-63 | 100 | 6.54 | 817 | 8.36 | -61 | 0.00 | 6.2 |
| 2 | 13 52 | 6.93 | 100 | 6.53 | 812 | 8.40 | -62 | 0.00 | 60.3 |
| 3 | 1353 | 6.93 | 100 | 6.52 | 809 | 8.41 | -64 | 0.00 | 55,3 |
| 4 | 1354 | 4.93 | 100 | 6.52 | 805 | 8.41 | -65 | 0.00 | 56.0 |
| 5 | 1355 | 6.93 | [00 | 6.51 | 807 | 8.43 | -66 | 0.00 | 52.6 |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |
| Field Meter: | | Horiba | | | | Well Integr | ity | Yes | No |
| | | | | | | Well has ID | sign | ✓ | |
| Sample App | | | | | | Casing lock | ed/secure | | |
| Odor: 🚜 | None [| □ Slight □ | Mod. □ | Strong | - | Well cap fits | s securely. | √ | |
| Color Z | | | Mod. □ | Strong | - | Good seal/o | Irainage | V | |
| Turb: □ | None Z | Í Slight □ | Mod □ | Strong | | Well has we | ep holes | | |
| BOTTLE IN | FORMATIO | N: | - | | | | | | 17 |
| | Unfi | Itered | | | | Filt | ered | | |
| Qty | Bottles | | | | Qty | Bottles | | | |
| | VOAs (C,V, | 40mL, HCL) | | \sim | | Metals (P,250 | mL, HNO3) | | |
| | VOAS (C,V, | | | (i) | | | 250mL, H2S04 | 4) | |
| | | G,U 1000mL) | | 4) | | General (P,50 | | | |
| | Organics (A, | | | | | General (P,10 | | | |
| | | mL, H2SO4) 50mL, H2SO4) | | | - | TOC (A,V 40) | mL, H2SO4) | | |
| 1 | Metals (P,25 | | | | | | | | |
| | The second secon | 250mL, NaOH) | NI. | | | | | | |
| | | ,250mL, H2S0- | | | | | | | |
| | General (P,5 | | , | | | | | | |
| | General (P,1 | | | | | | | | |
| 1 | Rad (P, 2.5L | , HNO3) | | | | | | 10. | PI |
| | | | | | Final | DTW: | 7.0 | d ft | 51 |
| Comments | | | | | | | | | |
| | | | | | 10 | 1 | | | |
| | | | Sampler's S | ignature: | V150 | hanna | \sim | | |

Sampler's Signature:

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APPENDIX A.

ANNUAL GRONUDWATER MONITORING AND DORRECTION REPORT DUCK CREEK, LANDFILL DC-257-204

| Date: Well Depth (I Depth to Wat Water Colum Well Water V | , | | Start Time: | 1130 | | E | Blade ample Time: | 1700 | |
|--|----------------|--------------|-------------|--------|-----------|---------------|----------------------|--------------|--------------|
| Depth to Wat | , | m MP: | | | | Finish/Sa | ample Time: | | |
| Water Colum | ter From MF | | 37.00 | ft | | Min. Purge | | 100C | Gal / L(mL) |
| | | P: | 11.40 | ft | | Total Purge | Volume: | 1000 | Gal / L/(ml) |
| Well Water V | ın Length: | | 25.60 | ft | | | | | |
| | /olume: | | 15.48 | | | Total Drawd | own: | 014 | ft |
| Reading | Time | Depth | Flow Rate | рН | Spec Cond | Temp | ORP | DO | Turb |
| (Units) | 1::/- | ft. | mL/min | s.u. | umhos/cm | deg C | mV | mg/L | NTU |
| 1 | 1143 | N.55 | 200 | 7.43 | 923 | 11.74 | 120 | 1.00 | 69.3 |
| 2 | 1145 | 11.56 | 208 | 7.41 | 923 | 11.70 | 78 | 0.88 | 48.4 |
| 3 | 1147 | 11.56 | 200 | 7.40 | 924 | 11.73 | 71 | 0.75 | 35.8 |
| 4 | inea | 11,56 | 200 | 7-39 | 926 | 11.75 | 64 | 0-69 | 34.5 |
| 5 | - | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |
| Field Meter: | | H | criba | | | Well Integri | tv | Yes | No |
| | 1 | | | | | Well has ID | | 1 | |
| Sample Appe | earance: | | | | | Casing lock | | 1 | |
| Odor: 🔞 | None □ | Slight | l Mod. □ | Strong | | Well cap fits | securely. | ./ | |
| Color 🗆 l | None 😼 | Slight □ | Mod. □ | Strong | - | Good seal/d | | 7 | |
| Turb: □ N | None ⋤ | Slight 🗆 | Mod 🗆 | Strong | | Well has we | _ | 1 | |
| BOTTI E INE | ODMATION | 1. | | | | | | | |
| BOTTLE INF | Unfild | | | | | Filte | rad | 1 | |
| Qty B | Bottles | orou | | (3) | Qty | Bottles | il e u | | |
| | /OAs (C,V, 4 | 0mL, HCL) | | 0 | ٦., | Metals (P,250 | ml HNO3) | | |
| | /OAS (C,V, 4 | | | | | Ammonia (P,2 | | 1) | |
| | Organics (A,C | | | | 1 | General (P,50 | | , | |
| | Organics (A,G | | | | | General (P,10 | | | |
| Т | OC (A,V 40n | nL, H2SO4) | | | | TOC (A,V 40r | | | |
| Т | OX (A,G 250 | mL, H2SO4) | | | | | | | |
| I | /letals (P,250 | mL, HNO3) | | | | | | | |
| С | Cyanide (P, 2 | 50mL, NaOH) | | | | | | | |
| A | mmonia (P,2 | 250mL, H2S04 | 1) | | | | | | |
| G | eneral (P,50 | 0mL) | | | | | | | |
| l G | eneral (P,10 | 00mL) | | | | | | | |
| R | Rad (P, 2.5L, | HNO3) | | | | | 11 6 | · f. | |
| | | | | | Final | DTW: | 11.5 | 4 ft | |
| | | | | | | | | | |
| Comments | | | | | | | | | |
| | | | | | | | | | |

APPENDIX A. ANNUAL GRONUDWATER MONITORING AND DORRECTE CALACTION REPORT DUCK CREEK, LANDFILL DC-257-204 G06S V WELL/SAMPLE POINT Purge Method: Compressor Start Time: 1318 Date: Finish/Sample Time: COO Gal/L/MD Well Depth (Bottom) From MP: Min. Purge Volume: Gal //t/ mL Depth to Water From MP: Total Purge Volume: AMIS-TAN Water Column Length: Gal /(L) Well Water Volume: Total Drawdown: Reading Time Depth Flow Rate рΗ Spec Cond Temp ORP DO Turb (Units) ft. mL/min umhos/cm mV s.u. deg C NTU mg/L 1 8,55 48 2 3 4 5

| Stabiliza | tion NA | NA NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |
|-----------|------------|----------|---------|----------|------|---------------|-----------|--------------|----|
| Field Me | eter: | Į- | terriba | | | Well Integri | ty | Yes | No |
| | | 15 | | | | Well has ID | sign | / | |
| Sample | Appearance | : | | | | Casing lock | ed/secure | / | |
| Odor: | | □ Slight | □ Mod. | ☐ Strong | | Well cap fits | securely. | / | |
| Color | □ None | □ Slight | □ Mod. | ☑ Strong | | Good seal/d | rainage | / | |
| Turb: | | □ Slight | □ Mod | ☐ Strong | | Well has we | ep holes | / | |

BOTTLE INFORMATION:

| | Unfiltered | | | | | | | | |
|-----|--------------------------|--|--|--|--|--|--|--|--|
| Qty | Bottles | | | | | | | | |
| | VOAs (C,V, 40mL, HCL) | | | | | | | | |
| | VOAS (C,V, 40mL) | | | | | | | | |
| | Organics (A,G,U 1000mL) | | | | | | | | |
| | Organics (A,G,U 500mL) | | | | | | | | |
| | TOC (A,V 40mL, H2SO4) | | | | | | | | |
| | TOX (A,G 250mL, H2SO4) | | | | | | | | |
| 1 | Metals (P,250mL, HNO3) | | | | | | | | |
| | Cyanide (P, 250mL, NaOH) | | | | | | | | |
| | Ammonia (P,250mL, H2S04) | | | | | | | | |
| | General (P,500mL) | | | | | | | | |
| 1 | General (P,1000mL) | | | | | | | | |
| - | Rad (P, 2.5L, HNO3) | | | | | | | | |

| | Filtered |
|-----|--------------------------|
| Qty | Bottles |
| | Metals (P,250mL, HNO3) |
| | Ammonia (P,250mL, H2S04) |
| 1 | General (P,500mL) |
| | General (P,1000mL) |
| | TOC (A,V 40mL, H2SO4) |
| | |
| | |
| | |
| | |
| | |
| | |

| Final DTW: | 20.72 | ft |
|------------|-------|----|
| | | |

| Comments Check pH if readings are below 6.5 or above 7.2 | 00 | 1/- | On | Read | 7.64 |
|--|----|-----|----|------|------|
|--|----|-----|----|------|------|

| | 2 2 11 | |
|----------------------|--------------|--|
| Sampler's Signature: | I Letter 100 | |

APPENDIX A.

| [| | ONUDWATE K, LANDFILI | | RING AND | OGBRECTE | ACTION F | REPORT | | |
|--------------|------------------------------|-------------------------|-------------|----------|--------------|--------------------|--------------|--------------|-------------|
| | PLE POINT | G(| 9S V | | Purge N | flethod: | Blasse | | |
| Date: | 01/18 | 124 | Start Time: | 13:54 | (| Finish/S | ample Time | 143 | 3/_ |
| Vell Depth | (Bottom) Fr | om MP: | pump | ft | | Min. Purge | Volume: | 1.5 | Gal /(L/)mL |
| epth to W | ater From M | | 20.42 | | | Total Purge | Volume: | 268 | Gal /(L) mL |
| Vater Colu | mn Length: | | | ft | | | | | |
| Vell Water | Volume: | | | Gal / L | | Total Draw | down: | | ft |
| Reading | Time | Depth | Flow Rate | рН | Spec Cond | Temp | ORP | DO | Turb |
| (Units) | | ft. | mL/min | s.u. | umhos/cm | deg C | mV | mg/L | NTU |
| 1 | 14:07 | 21.39 | 100 | 6.48 | 836 | 9.54 | 124 | 0.83 | NTU |
| 2 | 14:09 | 21.49 | 100 | 6.49 | 832 | 9.68 | 1/3 | 0.74 | 977 |
| 3 | 14:11 | 21.40 | 100 | 4.50 | 829 | 9.71 | 103 | .67 | 960 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| tabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |
| | | 11 | . 1 | | | | | | |
| ield Meter | | -MOC | 100 | | - | Well Integr | - | Yes, | No |
| | | | | | | Well has ID | | 1 | |
| ample App | - mare | | | | - 44 | Casing lock | | 1 | |
| Odor: 🗜 | None [| □ Slight □ |] Mod. □ | Strong | | Well cap fit | s securely. | 1 | |
| olor 🗆 | None [| ⊒ Slight 👌 | Mod. □ | Strong | | Good seal/ | drainage | X | |
| urb: | None 🗆 | Slight | Mod 🗼 | Strong | | Well has w | eep holes | X | |
| OTTLE IN | FORMATIO | ıN. | | | | | | 1 | |
| | Unfi | Itered | | | | Filt | ered | | |
| Qty | Bottles | | | | Qty | Bottles | | | |
| | VOAs (C,V, | 40mL, HCL) | | | | Metals (P,25 | 0mL, HNO3) | | |
| | VOAS (C,V, | 40mL) | | | | | ,250mL, H2S(| 04) | |
| | Organics (A,G,U 1000mL) | | | | 1 | General (P,5 | | | |
| | Organics (A, | | | | | General (P,1000mL) | | | |
| | | mL, H2SO4) | | | | TOC (A,V 40 | | | |
| | | 0mL, H2SO4) | | | | | | | |
| 1 | Metals (P,25 | | | | | | | | |
| | | 250mL, NaOH | | | | | | | |
| | | ,250mL, H2S0 | | | | | | | |
| | | | | | | | | | |
| | General (P,5 | OUIIL) | | | | | | | |
| - | General (P,5 General (P,1 | | - 7 | | | | | | |

Comments Check pH if readings are below 6.5 or above 7.2

Sampler's Signature:

APPENDIX A. ANNUAL GRONUDWATER MONITORING AND FORE CTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204

| WELL/SAMPLE POINT | G12S i | Purge Method: BLAD | DER |
|------------------------------|-------------------|---------------------|------------------|
| Date: 126/24 | Start Time: 17\$5 | Finish/Sample Time | e: 1247 |
| Well Depth (Bottom) From MP: | 36.65 ft | Min. Purge Volume: | 1606 Gal / L/ ml |
| Depth to Water From MP: | 23.32 ft | Total Purge Volume: | +100 Gal/L/ml |
| Water Column Length: | 13.33 ft | | 7600 |
| Well Water Volume: | 8.07 Gal/(D) | Total Drawdown: | .97 ft |

| Reading | Time | Depth | Flow Rate | рН | Spec Cond | Temp | ORP | DO | Turb |
|--------------|------|-------|-----------|-------|-----------|-------|------|--------------|------|
| (Units) | | ft. | mL/min | s.u. | umhos/cm | deg C | mV | mg/L | NTU |
| 1 | 1221 | 24.30 | 100 | 6.66 | 627 | 10.61 | -59 | 1.96 | 225 |
| 2 | 1224 | 24.36 | 100 | 6.65 | 624 | 10.61 | -57 | 1.40 | 154 |
| 3 | 1227 | 24.30 | 100 | 6.50 | 624 | 10.57 | -59 | 1.27 | 144 |
| 4 | 1230 | 24.36 | 100 | 6.62 | 624 | 10.57 | -61 | 1.17 | 141 |
| 5 | 1253 | 24.32 | 100 | 6-61 | 624 | 10.56 | -56 | 1.26 | 138 |
| tabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |

| Field Meter: | | HORIBA | | | Well Integrity | Yes | No |
|--------------|------------|------------------|--------|----------|-------------------------|-----|----|
| | | | | | Well has ID sign | IX | |
| Sample | Appearance | : | | | Casing locked/secure | × | |
| Odor: | None | □ Slight | □ Mod. | □ Strong | Well cap fits securely. | × | |
| Color | □ None | ⊠- Slight | □ Mod. | □ Strong | Good seal/drainage | λ | |
| Turb: | □ None | ☑ Slight | □ Mod | □ Strong | Well has weep holes | × | |

BOTTLE INFORMATION:

| Unfiltered | | | | | | |
|------------|--------------------------|--|--|--|--|--|
| Qty | Bottles | | | | | |
| | VOAs (C,V, 40mL, HCL) | | | | | |
| | VOAS (C,V, 40mL) | | | | | |
| | Organics (A,G,U 1000mL) | | | | | |
| | Organics (A,G,U 500mL) | | | | | |
| | TOC (A,V 40mL, H2SO4) | | | | | |
| | TOX (A,G 250mL, H2SO4) | | | | | |
| 1 | Metals (P,250mL, HNO3) | | | | | |
| | Cyanide (P, 250mL, NaOH) | | | | | |
| | Ammonia (P,250mL, H2S04) | | | | | |
| | General (P,500mL) | | | | | |
| 1 | General (P,1000mL) | | | | | |
| | Rad (P, 2.5L, HNO3) | | | | | |

| | Filtered |
|-----|--------------------------|
| Qty | Bottles |
| | Metals (P,250mL, HNO3) |
| | Ammonia (P,250mL, H2S04) |
| 1 | General (P,500mL) |
| | General (P,1000mL) |
| | TOC (A,V 40mL, H2SO4) |
| | |
| | |
| | |
| | |
| | |
| | |

24.29 Final DTW: ft

| Comments | Check pH if | readings | are ab | ove 7.2 |
|----------|-------------|----------|--------|---------|
|----------|-------------|----------|--------|---------|

APPENDIX A. ANNUAL GRONUDWATER MONITORING AND FORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204

| WELL/SAN | IPLE POIN | т G | 158 | | Purge I | Method: | BLADD | ER | _ |
|---------------|--------------|--------------|--------------|---------------|-----------|---|--------------|--------------|---------------------|
| Date: | 1/20/ | 24 | Start Time: | 1105 | | Finish/S | ample Time | | |
| Well Depth | (Bottom) Fr | rom MP: | 44.22 | ft | | Min. Purge | Volume: | 1000 | Gal / L/ mL |
| Depth to W | ater From M | MP; | 22.40 | ft | | Total Purge | Volume: | 1900 | اریا Gal / L/ mL |
| Water Colu | mn Length: | | 21.82 | ft | | | | 2600 | |
| Well Water | Volume: | | 13.21 | Gal / L | | Total Draw | down: | 7.76 | ft |
| Reading | Time | Depth | Flow Rate | pН | Spec Cond | Temp | ORP | DO | Turb |
| (Units) | | ft. | mL/min | s.u. | umhos/cm | deg C | mV | mg/L | NTU |
| 1 | 1123 | 28.96 | 100 | 6.57 | 809 | 10.31 | 193 | 6.60 | 401 |
| 2 | 1126 | 28.93 | 100 | 6.54 | 773 | 10.17 | 191 | 5.57 | 504 |
| 3 | 1129 | 78.93 | loc | 6.39 | 747 | 16.12 | 190 | 3.98 | 439 |
| 4 | 1132 | 28.93 | 100 | 6.39 | 743 | 10.09 | 189 | 3.72 | 420 |
| 5 | 1135 | 28.93 | 100 | 6.43 | 740 | 10.03 | 188 | 3.75 | 383 |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |
| | None [| □ Slight □ | □ Mod. □ | Strong Strong | | Well has IE Casing lock Well cap fit Good seal/ Well has we | s securely. | × × × | |
| BOTTLE IN | | | | | | | | | |
| 04. | Bottles | iltered | | | - | | ered | | |
| Qty | VOAs (C,V, | 40ml HCI\ | | | Qty | Bottles | 0I IINO2) | | |
| | VOAS (C,V, | | | | | Metals (P,25 | ,250mL, H2S0 | 4) | |
| | | G,U 1000mL) | | | 1 | General (P,5 | | 7) | |
| | | G,U 500mL) | | | | General (P,1 | | | |
| | | mL, H2SO4) | | | | TOC (A,V 40 | | | |
| | | 50mL, H2SO4) | | | | | | | |
| | Metals (P,25 | 0mL, HNO3) | | | | | | | |
| | Cyanide (P, | 250mL, NaOH |) | | | | | | |
| | Ammonia (P | ,250mL, H2S0 | (4) | | | | | | |
| | General (P,5 | 00mL) | | | | | | | |
| | General (P,1 | • | | | | | | | |
| | Rad (P, 2.5L | | | | | DTW: | 36.16 | ft | |
| Comments | Check pH | if readings | are below 6. | 2 DEF | STA STA | BLE TU | RNED | UP TO T | 200 FLOW |
| | | | Sampler's S | ignature: (1 | com 1 | N/ | | | |

DC-257-204

L103 **WELL/SAMPLE POINT**

Purge Method:

BAILER

Date:

Start Time: 1055

Finish/Sample Time: 1059

Depth to Water From MP:

| Reading | Time | Depth | Flow Rate | рH | Spec Cond | Temp | ORP | DO | Turb |
|---------|------|-------|-----------|------|-----------|-------|-----|------|------|
| (Units) | | ft. | mL/min | s.u. | umhos/cm | deg C | mV | mg/L | NTU |
| 1 | 1056 | 1.68 | | 6.11 | 4860 | 12.12 | 212 | 4.85 | 63.3 |

| Field M | eter: | HOR | IBA | |
|---------|------------|-----------------|--------|----------|
| Sample | Appearance | e: | | |
| Odor: | □ None | ☆ Slight | □ Mod. | ☐ Strong |
| Color | ⊠ None | □ Slight | □ Mod. | □ Strong |
| Turb: | √ None | □ Slight | □ Mod | ☐ Strong |

| Well Integrity | Yes | No |
|-------------------------|-----|----|
| Well has ID sign |), | V |
| Casing locked/secure | | Х |
| Well cap fits securely. | | 火 |
| Good seal/drainage | | X |
| Well has weep holes | 1 | × |

BOTTLE INFORMATION:

| | Unfiltered |
|-----|----------------------------|
| Qty | Bottles |
| | VOAs (C,V, 40mL, HCL) |
| | VOAS (C,V, 40mL) |
| | Organics (A,G,U 1000mL) |
| | Organics (A,G,U 500mL) |
| | TOC (A,V 40mL, H2SO4) |
| | TOX (A,G 250mL, H2SO4) |
| 1 | Metals (P,250mL, HNO3) |
| 2.2 | Cyanide (P, 250mL, NaOH) |
| | Phenols (A,G,250mL, H2SO4) |
| | General (P, 250 mL) |
| 1 | GENERAL P. 1000 ML |
| | |

| Filtered |
|--------------------------|
| Bottles |
| Metals (P,250mL, HNO3) |
| Ammonia (P,250mL, H2S04) |
| General (P,500mL) |
| |
| |
| |
| |
| |
| |
| |
| |
| |

Comments

Sampler's Signature:

| Sc Zero (DI) D-O LIS/cm O<25 \LIS/cm O<25 | Field Personnel: | AP | | | | Location | Duca | urpela | | |
|--|--------------------|-------------------|----------|--------------|-----------|-------------|------------------|---------------|------------|------------|
| Multiparameter Water Make: | Weather: | 300 | Party | Clorace NE | SMOL | Environment | Snow | grouss n | ~\L | |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. | Multiparamete | r Water Meter | Make: | Horrbon | | U 2000 | | 14 | | 35 |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. DH 4.00a 10 0 S.u. ±0.1 s.u. D | Water Lev | el Meter | Make: | Heron | Model: | Dispura | Serial Number | | | |
| pH 4.00a | Buffer | | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | | 1 | |
| pH 7.00a | pH 4.00a | N.01 | s.u. | ±0.1 s.u. | 0 | WO | _ | | | |
| Description | pH 7.00a | 7.02 | s.u. | ±0.1 s.u. | V | 1 | ~ | MSI | | _ |
| Sc Zero (DI) D | pH 10.00a | 10.07 | s.u. | ±0.1 s.u. | | | _ | | | _ |
| SC 2000 2.0 0 | SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | | | _ | | | |
| ORP 1 | SC 2000 | 2010 | μS/cm | ±5% | | | | | | |
| DO (Zetro pt) | ORP | 248 | mV | ±15 mV | | | | | _ | - |
| DO (Saturated) Pace Labs N/A (DI) N/A (DI) | DO (Zero pt) | 0-00 | mg/L | | 1 | | _ | | - | - |
| Turbidity (DI) | DO (Saturated) | | | 97-100% | | | | | | - |
| Approx. every 4 hrs, unless only one well ICV (Initial Calibration Verification) Time: 1250 InyA(b) In | Turbidity (DI) | | NTU | <2 NTU | | S. | - | - | | _ |
| Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Exp. | Approx. every 4 hr | s, unless only or | e well | | | | | T dec 2003 | IN/A (DI) | IV/A (DI) |
| Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Exp. | ICV | (Initial Calibr | ation V | erification) | | Time: | 1250) | 1 | | |
| September Sep | | | | | Bacc/Fail | | | | | 1 |
| 10 10 10 10 10 10 10 10 | | | | | rass/raii | ACUO | n Taken? | | - | - |
| Secretary Secr | | - | | | 1 | | | | | |
| Sci 1000 1-0 | | | - | | 1 | | | | | |
| Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Time: | | | | | - | | | | | |
| Suffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. | | | | 1370 | 1 | | | RICCA | 4209A12 | Aug-24 |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. | | | | tionle | | | 16.12 | 1 | | |
| September Sept | | | | | | | | | | |
| Solid Sol | | | | | Pass/Fail | | | Manufacturer | Lot# | Exp. |
| December | | | | | P | NO | WAT | MSI | 023067-01 | 3/14/2025 |
| Sc 1000 O 10 µS/cm ±5% Ricca 4209A12 Aug-24 DO (Zero pt) O 0 NTU <2 NTU Pace Labs N/A (DI) N/A (DI) Do (Do (Do (Do (Do (Do (Do (Do (Do (Do | | | | | V, - | | | MSI | 023051-02 | 2/21/2025 |
| DO (Zero pt) | | | | | | | | MSł | 022361-01 | 12/27/2024 |
| Note | | | | | | | | Ricca | 4209A12 | Aug-24 |
| Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. 1.00a s.u. ±0.1 s.u. MSI 023067-01 3/14/2025 1.00a s.u. ±0.1 s.u. MSI 023051-02 2/21/2025 1.000 s.u. ±0.1 s.u. MSI 023051-02 1/27/2024 1.000 yield part of the following p | | | | | | | | Macron | #000228049 | 8/26/2025 |
| CCV (Continued Calibration Verification): Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. 1.00a s.u. ±0.1 s.u. MSI 023067-01 3/14/2025 1.00a s.u. ±0.1 s.u. MSI 023051-02 2/21/2025 1.000a s.u. ±0.1 s.u. MSI 02361-01 12/27/2024 1.0100 μS/cm ±5% MSI 022361-01 12/27/2024 1.020 (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2025 1.020 (Zero pt) NTU <2 NTU Pace Labs N/A (DI) N/A (DI) | | | | <2 NTU | - | 1 | ~ | Pace Labs | N/A (DI) | N/A (DI) |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. 1.00a s.u. ±0.1 s.u. MSI 023067-01 3/14/2025 1.00a s.u. ±0.1 s.u. MSI 023051-02 2/21/2025 1.00a s.u. ±0.1 s.u. MSI 022361-01 12/27/2024 1.00a μS/cm ±5% Ricca 4209A12 Aug-24 1.00a μS/cm ±0.1 mg/L Macron #000228049 8/26/2025 1.00a NTU <2 NTU | | | | | | | | | | |
| 1.00a S.u. ±0.1 S.u. MSI 023067-01 3/14/2025 1.00a S.u. ±0.1 S.u. MSI 023051-02 2/21/2025 1.00a S.u. ±0.1 S.u. MSI 023051-02 2/21/2025 1.00a S.u. ±0.1 S.u. MSI 022361-01 12/27/2024 1.00a S.u. ±0.1 S.u. MSI 022361-01 12/27/2025 1.00a S.u. ±0.1 S.u. MSI 022361-01 12/27/2024 1.0a S.u. ±0.1 S.u. ±0.1 S.u. MSI S.u. ±0.1 S.u | CCV (Continue) | d Calibration | Verifica | tion): | | Time: | | | | |
| 1.00a S.u. ±0.1 s.u. MSI 023067-01 3/14/2025 1.00a S.u. ±0.1 s.u. MSI 023051-02 2/21/2025 1.00a S.u. ±0.1 s.u. MSI 023051-02 2/21/2025 1.00a S.u. ±0.1 s.u. MSI 022361-01 12/27/2024 1.00b L.00b L.00b L.00b L.00b 1.00b L.00b L.00b L.00b L.00b L.00b L.00b 1.00b L.00b L.00b L.00b L.00b L.00b L.00b L.00b 1.00b L.00b L.00b L.00b L.00b L.00b L.00b 1.00b L.00b L.00b L.00b L.00b L.00b L.00b L.00b L.00b 1.00b L.00b L.00b L.00b L.00b L.00b L.00b L.00b L.00b 1.00b L.00b 1.00b L.00b | Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp |
| 7.00a s.u. ±0.1 s.u. MSI 023051-02 2/21/2025 10.00a s.u. ±0.1 s.u. MSI 022361-01 12/27/2024 10 1000 μS/cm ±5% Ricca 4209A12 Aug-24 10 1000 mg/L ±0.1 mg/L Macron #000228049 8/26/2025 10 1000 NTU <2 NTU | .00a | 1 | s.u. | ±0.1 s.u. | | | | | | |
| 0.00a s.u. ±0.1 s.u. MSI 022361-01 12/27/2024 C 1000 μS/cm ±5% Ricca 4209A12 Aug-24 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2025 urbidity (DI) NTU <2 NTU | .00a | 1 | s.u. | ±0.1 s.u. | | | | MSI | | |
| C 1000 | | 1 | s.u. | ±0.1 s.u. | | | | | | |
| DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2025 Furbidity (DI) NTU <2 NTU | C 1000 | | μS/cm | ±5% | | | | | | |
| urbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A (DI) | O (Zero pt) | | mg/L | ±0.1 mg/L | | | | | | |
| | urbidity (DI) | 1 | NTU | <2 NTU | 1 | | 1 | | | |
| | omments: | | | | | 1 | 1 | 1 2 2 2 2 2 3 | IN/IN (DI) | [N/A (DI) |

| | | | ameter I | | | | .4 | | 0 | | |
|------------------|--------------------|----------|--------------|------|-------|--------------|------|---------------|--------------|------------|--------------|
| Field Personnel: | Austin) | MOOR | P | | | Location: | du | K 1100 | K | | |
| Weather: | 30-12 cl | oudy | WIND NIFE | 9 M | PH | Environment: | SA | OW | | | |
| Multiparamete | r Water Meter | Make: | Horriba | Мо | odel: | 11-5000 | | Serial Number | PW26YJ | <i>n</i> 3 | |
| Water Lev | vel Meter | Make: | Heron | Мо | odel: | Dippert | | Serial Number | | -7 | |
| Buffer | Check Value | Units | Range | Pass | /Fail | Calibrate? | Adj | usted Reading | Manufacturer | Lot# | Exp. |
| oH 4.00a | 3,94 | s.u. | ±0.1 s.u. | l f | | N | | NA | MSI | 023067-01 | 3/14/2025 |
| oH 7.00a | 7,05 | s.u. | ±0.1 s.u. | 1 | T (| 1 | | 1 | MSI | 023051-02 | 2/21/2025 |
| oH 10.00a | 10.03 | s.u. | ±0.1 s.u. | | | | | | MSI | 022361-01 | 12/27/2024 |
| C Zero (DI) | 10 | μS/cm | 0<25 μS/cm | | | | | | Pace Labs | N/A (DI) | N/A (DI) |
| C 2000 | 2040 | μS/cm | ±5% | | | | | | Geotech | 3GF1197 | Jun-24 |
| RP | 246 | mV | ±15 mV | | | | | | InSitu | 3GD927 | Jan 24 |
| O (Zero pt) | 8.6- | mg/L | ±0.1 | 17/1 | | | | | Macron | #000228049 | |
| O (Saturated) | 201 | % | 97-100% | | | | | | Pace Labs | N/A (DI) | N/A (DI) |
| urbidity (DI) | 0 | NTU | <2 NTU | 1 | | | | | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 4 h | rs, unless only on | e well | | | | | | | | | |
| ICV | (Initial Calibr | ation V | erification) | | | Time: | 12 | 52 | | | |
| Buffer | Check Value | Units | Range | Pass | /Fail | Actio | 12 | _ | Manufacturer | Lot# | Exp. |
| H 4.00b | 4.01 | s.u. | ±0.15 s.u. | P | | N | | | Geotech | 3GB1049 | Feb-25 |
| H 7.00b | 7.08 | s.u. | ±0.15 s.u. | 1 | | 1 | | | Geotech | 2GF113 | Jun-24 |
| H 10.00b | 10,06 | s.u. | ±0.15 s.u. | 11 | | | | | Geotech | 3GA1134 | Jan-25 |
| 1000 | 1020 | μS/cm | ±5% | 1 | | | | | Ricca | 4209A12 | Aug-24 |
| prox. every 4 h | rs, unless only on | e well | | | | | | | | | |
| CV (Continue | d Calibration | Verifica | ation): | | | Time: | 16 | 40 | 1 | | |
| Buffer | Check Value | Units | Range | Pass | /Fail | Calibrate? | | usted Reading | Manufacturer | Lot# | Exp. |
| H 4.00a | 2.98 | s.u. | ±0.1 s.u. | 1 | 7 | ~ | _ | VIA | MSI | 023067-01 | 3/14/2025 |
| H 7.00a | 700 | s.u. | ±0.1 s.u. | 1 | | | | 1 | MSI | 023051-02 | 2/21/2025 |
| H 10.00a | 10.114 | s.u. | ±0.1 s.u. | 1 | | | | 1 | MSI | 022361-01 | 12/27/2024 |
| 1000 | 990 | μS/cm | ±5% | 11 | 177 | | | 1 | Ricca | 4209A12 | Aug-24 |
| O (Zero pt) | D.Jh | mg/L | ±0.1 mg/L | 11 | | 1 | | 1 | Macron | #000228049 | |
| urbidity (DI) | 0 | NTU | <2 NTU | 1 | - | | | 4 | Pace Labs | N/A (DI) | N/A (DI) |
| | rs, unless only on | e well | | | | | | | | 1.7(5.7 | 1.47.1 (0.17 |
| CV (Continue | d Calibration | Verifica | ation): | | | Time: | | | | | |
| Buffer | Check Value | Units | Range | Pass | /Fail | Calibrate? | Adiu | sted Reading | Manufacturer | Lot# | Exp. |
| .00a | 1 | s.u. | ±0.1 s.u. | | | 1 | | | MSI | | 3/14/2025 |
| 00a | 1 | s.u. | ±0.1 s.u. | 1 | | | 1 | | MSI | 023051-02 | 2/21/2025 |
| 0.00a | | s.u. | ±0.1 s.u. | 1 | | | | 1 | MSI | 022361-01 | 12/27/2024 |
| 1000 | | μS/cm | ±5% | 1 | | 1 | | 1 | Ricca | 4209A12 | Aug-24 |
| (Zero pt) | | mg/L | ±0.1 mg/L | 1 | | 1 | | 1 | Macron | #000228049 | |
| urbidity (DI) | | NTU | <2 NTU | 1 | 1 | 1 | _ | - | Pace Labs | N/A (DI) | N/A (DI) |
| omments: | 1 | | AE NITO | | 1 | | | 1 | Tacc caps | IN/A (DI) | INTALOIT |
| Signature: | amin | 3 / | m | | | Date: | 18 | 7- TN | -24 | | |

| Weather: Multiparameter Water Leve Buffer OH 4.00a OH 7.00a OH 10.00a GC Zero (DI) | Water Meter | | lind, Partly Itoriba | 7 | Environment: | 0 1 | | | | |
|---|----------------------------------|----------|-------------------------|-----------|--------------|------------------|--------------|------------|------------|--|
| Water Level Buffer DH 4.00a DH 7.00a DH 10.00a | Water Meter el Meter Check Value | Make: | 1 | 7 | | Snowy, Lai | ndfill | | | |
| Buffer oH 4.00a oH 7.00a oH 10.00a | Check Value | Make: | 1 | Woder. | U-500d | Serial Number: | AGJ 774 | 4186 | | |
| bH 4.00a bH 7.00a bH 10.00a | | | Heron | Model: | DIAPET | Serial Number: | | | mh | |
| он 7.00a он 10.00a | 4.1 | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. | |
| H 10.00a | | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 023067-01 | 3/14/2025 | |
| | 6.99 | s.u. | ±0.1 s.u. | P | No | NA | MSI | 023051-02 | 2/21/2025 | |
| C Zero (DI) | 10.33 | s.u. | ±0.1 s.u. | F | Yes | 10.00 | MSI | 022361-01 | 12/27/2024 | |
| | 11.4 | μS/cm | 0<25 μS/cm | P | No | NA | Pace Labs | N/A (DI) | N/A (DI) | |
| SC 2000 | 1450 | μS/cm | ±5% | P | No. | MA | Geotech | 3GF1197 | Jun-24 | |
| ORP | 352 | mV | ±15 mV | P | No | NA | InSitu | 36B927 | Jan 24 | |
| OO (Zero pt) | 5.470,00 | mg/L | ±0.1 | FP | Yes No | N/A | Macron | #000228049 | | |
| OO (Saturated) | 44.3 | % | 97-100% | P | NO | NIA | Pace Labs | N/A (DI) | N/A (DI) | |
| urbidity (DI) | 103 | NTU | <2 NTU | P | No | NA | Pace Labs | N/A (DI) | N/A (DI) | |
| Approx. every 4 hrs | s, unless only on | e well | | | | | | | | |
| ICV | (Initial Calibra | ation V | erification) | | Time: | 11:59 | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Ехр. | |
| H 4.00b | 3.62 | s.u. | ±0.15 s.u. | F | Calibrated | : 4.00 | Geotech | 3GB1049 | Feb-25 | |
| H 7.00b | 6.97 | s.u. | ±0.15 s.u. | P | None | | Geotech | 2GF113 | Jun-24 | |
| H 10.00b | 10.6 | s.u. | ±0.15 s.u. | F | Calibrated | 1.4.09 | Geotech | 3GA1134 | Jan-25 | |
| C 1000 | 927 | μS/cm | ±5% | P | MANE | | Ricca | 4209A12 | Aug-24 | |
| Approx. every 4 hrs | s, unless only on | e well | | | | | | | | |
| CCV (Continued | d Calibration | Verifica | ation): | | Time: | 15:42 | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. | |
| H 4.00a | 3.94 | s.u. | ±0.1 s.u. | P | No | NA | MSI | 023067-01 | 3/14/2025 | |
| H 7.00a | 7.03 | s.u. | ±0.1 s.u. | P | No | NIA | MSI | 023051-02 | 2/21/2025 | |
| H 10.00a | 10.15 | s.u. | ±0.1 s.u. | F | Yes | 10.01 | MSI | 022361-01 | 12/27/2024 | |
| C 1000 | 993 | μS/cm | ±5% | P | No | NA | Ricca | 4209A12 | Aug-24 | |
| OO (Zero pt) | 0.00 | mg/L | ±0.1 mg/L | P | No | N/A | Macron | | 8/26/2025 | |
| urbidity (DI) | 1.7 | NTU | <2 NTU | p | No | N/A | Pace Labs | N/A (DI) | N/A (DI) | |
| pprox. every 4 hrs | s, unless only one | e well | | | | | | | | |
| CCV (Continued | d Calibration | Verifica | ition): | | Time: | | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. | |
| .00a | | s.u. | ±0.1 s.u. | 1 | 1 | | MSI | 023067-01 | 3/14/2025 | |
| .00a | | s.u. | ±0.1 s.u. | | | | MSI | 023051-02 | 2/21/2025 | |
| 0.00a | | s.u. | ±0.1 s.u. | | | | MSI | 022361-01 | 12/27/2024 | |
| C 1000 | | μS/cm | ±5% | | | | Ricca | 4209A12 | Aug-24 | |
| O (Zero pt) | 2 - | mg/L | ±0.1 mg/L | 1 | | | Macron | #000228049 | | |
| urbidity (DI) | | NTU | <2 NTU | | , | | Pace Labs | N/A (DI) | N/A (DI) | |
| Comments: ORP | token at 0 | oC. | | | | | | | | |

01/18 113

| Field Personnel: | Jordan | Boh | annan | | Location: | Duck Gr | reek | | |
|--------------------|-------------------|--------------|----------------|------------|--------------|---------------------------|--------------|------------|------------|
| Weather: | | | ds, mostly sun | ny | Environment: | - | Pond | | |
| Multiparameter | | Make: | Horiba | Model: | U-5000 | Serial Number: | PWag | YJD | 3 |
| Water Lev | el Meter | Make: | Heron | Model: | Dipper-T | Serial Number: | liff 2 | 20930 | 5ML |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| H 4.00a | 5.61 | s.u. | ±0.1 s.u. | F | Yes | 3.99 | MSI | 023067-01 | 3/14/2025 |
| H 7.00a | 6.729 | s.u. | ±0.1 s.u. | F | Yec | 700 | MSI | 023051-02 | 2/21/2025 |
| H 10.00a | 10.02 | s.u. | ±0.1 s.u. | P | No | NA | MSI | 022361-01 | 12/27/2024 |
| C Zero (DI) | 14 | μS/cm | 0<25 μS/cm | P | No | NA | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 1989 | μS/cm | ±5% | P | No | N/A | Geotech | 3GF1197 | Jun-24 |
| ORP | 333 | mV | ±15 mV | P | No | NIA | InSitu | 3GD9Z7 | Jan-24 |
| OO (Zero pt) | 0.03 | mg/L | ±0.1 | P | Na | NIA | Macron | #000228049 | |
| O (Saturated) | 980 90 | % | 97-100% | P | No | N/4 | Pace Labs | N/A (DI) | N/A (DI) |
| urbidity (DI) | 123 | NTU | <2 NTU | 0 | No | - 1/- | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 hr | s, unless only or | e well | | - | 2302 | | | 1.7(2.7 | |
| | (Initial Calibr | | erification) | | Time: | 10:05 | | | |
| Buffer | - | | | Dage /Fail | | • | 14 | | - |
| | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| H 4.00b | 0.90 | s.u. | ±0.15 s.u. | P | None | | Geotech | 3GB1049 | Feb-25 |
| H 7.00b | | s.u. | ±0.15 s.u. | 0 | None | | Geotech | 2GF113 | Jun-24 |
| H 10.00b C 1000 | 10.03 | S.U. | ±0.15 s.u. | TD | None | | Geotech | 3GA1134 | Jan-25 |
| Approx. every 4 hr | 993 | μS/cm | ±5% | P | None | | Ricca | 4209A12 | Aug-24 |
| | | | \ | | | | | | |
| CCV (Continue | | | ation): | | Time: | | | | |
| Buffer | Check Value | Units | Range . | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| H 4.00a | | s.u. | ±0.1 s.u. | 1 | | 1 | MSI | 023067-01 | 3/14/2025 |
| H 7.00a | 1 | s.u. | ±0.1 s.u. | | | 1 | MSI | 023051-02 | 2/21/2025 |
| H 10.00a | 1 | s.u. | ±0.1 s.u. | | | | MSI | 022361-01 | 12/27/2024 |
| C 1000 | | μS/cm | ±5% | | | | Ricca | 4209A12 | Aug-24 |
| O (Zero pt) | | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| urbidity (DI) | | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 4 hr | s, unless only on | e well | | | 1 | | | | |
| CCV (Continue | d Calibration | Verifica | ation): | | Time: | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 1.00a | | s.u. | ±0.1 s.u. | | \ | - injustice receiving | MSI | 023067-01 | 3/14/2025 |
| 7.00a | | s.u. | ±0.1 s.u. | 1 | 1 | | MSI | 023051-02 | 2/21/2025 |
| 0.00a | 1 | s.u. | ±0.1 s.u. | 1 | 1 | 1 | MSI | 022361-01 | 12/27/2023 |
| C 1000 | 1 | μS/cm | ±5% | | 1 | 1 | Ricca | 4209A12 | Aug-24 |
| O (Zero pt) | | mg/L | ±0.1 mg/L | 1 | | 1 | Macron | | |
| urbidity (DI) | | NTU | <2 NTU | 1 | 1 | 1 | Pace Labs | N/A (DI) | |
| omments: /ha / | 0.00 | il den | | 1 | | 1 | race Labs | IN/A (DI) | N/A (DI) |
| omments: On I | y one we | II CON | ę | | | | | | |
| 1 | v | _ | | | | , | | | |
| Signature: | Boha | la la :: - 6 | | | Data | 07/19/20 | Ot: | | |
| | | m in class | ` | | Date: | 1 1 1 / 1 / 1 / 1 / 1 / 1 | 1 4-4 | | |

| Field Personnel | Austin | M | DAC? | | Location: | duck cre | PK | | |
|--------------------------------|-----------------|---------|--------------|-----------|--------------|------------------|--------------|------------|------------|
| Weather | 16-0 san | 1) W | ind WNW | 16 mph | Environment: | | | | |
| Multiparamete | er Water Meter | Make: | Horriba | Model: | V-5000 | Serial Number: | AGSTH | 4x6 | |
| Water Le | vel Meter | Make: | | Model: | Pipper? | Serial Number: | mind. | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 1 03 | s.u. | ±0.1 s.u. | 10 | N | NIA | MSI | 023067-01 | 3/14/2025 |
| pH 7.00a | 7.01 | s.u. | ±0.1 s.u. | | 1 | 1 | MSI | 023051-02 | 2/21/2025 |
| pH 10.00a | 10:08 | s.u. | ±0.1 s.u. | 1601 | | | MSI | 022361-01 | 12/27/2024 |
| SC Zero (DI) | 0 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2020 | μS/cm | ±5% | | 1 1 | | Geotech | 3GF1197 | Jun-24 |
| ORP | 236 | mV | ±15 mV | | | | InSitu | 3CD927 | Jan 24 |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 99.6 | % | 97-100% | | | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | 1+ | | | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 h | | | | | | 1770 3 | 1 | | |
| ICV | (Initial Calibr | ation V | erification) | | Time: | 1030 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Actio | n Taken? | Manufacturer | Lot# | Exp. |
| H 4.00b | 4.0,0,000 | s.u. | ±0.15 s.u. | P | N | | Geotech | 3GB1049 | Feb-25 |
| pH 7.00b | 701 | s.u. | ±0.15 s.u. | | 1 | | Geotech | 2GF113 | Jun-24 |
| pH 10.00b | 9,92 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 1020 | μS/cm | ±5% | 1 | 1 | | Ricca | 4209A12 | Aug-24 |
| Approx. every 4 h | | | | | | | | | |
| CCV (Continue | ed Calibration | Verific | ation): | | Time: | 1230 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.08 | s.u. | ±0.1 s.u. | 1 | N | MIN | MSI | 023067-01 | 3/14/2025 |
| oH 7.00a | 6,96 | s.u. | ±0.1 s.u. | | 4 | | MSI | 023051-02 | 2/21/2025 |
| oH 10.00a | 10.03 | s.u. | ±0.1 s.u. | | | | MSI | 022361-01 | 12/27/2024 |
| SC 1000 | 1010 | μS/cm | ±5% | | | | Ricca | 4209A12 | Aug-24 |
| DO (Zero pt) | 0,0 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | 010 | NTU | <2 NTU | 1 | - | + | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 h | | | | | | | | | |
| CCV (Continue | ed Calibration | Verific | ation): | | Time: | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 4.00a | 1 | s.u. | ±0.1 s.u. | | | | MSI | 023067-01 | 3/14/2025 |
| 7.00a | | s.u. | ±0.1 s.u. | | 1 | | MSI | 023051-02 | 2/21/2025 |
| 10.00a | | s.u. | ±0.1 s.u. | | 1 | | MSI | 022361-01 | 12/27/2024 |
| SC 1000 | | μS/cm | ±5% | | | | Ricca | 4209A12 | Aug-24 |
| | | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| DO (Zero pt) Furbidity (DI) | | NTU | <2 NTU | 1 : 1 | | | Pace Labs | N/A (DI) | N/A (DI) |

| Field Personnel: | AD A | 71/ | | | Location: | Deck | Mek | | |
|-------------------|-----------------|----------------|---------------------|------------------|---------------|-----------------------|-------------------------|--------------------|-------------------|
| Weather: | WINY N | JM-18 C SUN | mpir | | Environment: | grass, s | -nan | | |
| Multiparamete | | Make: | Horiba | Model: | V5000 | Serial Number | | 830 | cc |
| Water Le | vel Meter | Make: | Heron | Model: | Disper | Serial Number | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | Adjusted Reading | | Lot# | Exp. |
| рН 4.00а | 4.00 | s.u. | ±0.1 s.u. | 0 | WO | MA | MSI | 023067-01 | 3/14/2025 |
| pH 7.00a | 7.00 | s.u. | ±0.1 s.u. | 10, | 100 | IVIE | MSI | 023051-02 | 2/21/2025 |
| pH 10.00a | 10.02 | s.u. | ±0.1 s.u. | 1 | | | MSI | 022361-02 | 12/27/2024 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | | Total Control | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 14150 | μS/cm | ±5% | | | | Geotech | 3GF1197 | Jun-24 |
| ORP | 242 | mV | ±15 mV | | | | InSitu | 3GD927 | Jan-24 |
| DO (Zero pt) | 0.00 | mg/L | ±0.1 | | | | Macron | #000228049 | |
| DO (Saturated) | 08.22 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | 1 | L | + | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 h | | ne well | | | | | 1 200 000 | 1:37.101 | וייזה (טוי) |
| ICV | (Initial Calibr | ation V | erification) | | Time: | 1010 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufactura | 1.30 | - |
| pH 4.00b | 3.44 | s.u. | ±0.15 s.u. | | Actio | //On | Manufacturer Geotech | Lot# | Ехр. |
| H 7.00b | 7,00 | s.u. | ±0.15 s.u. | 0 | | 111 | | 3GB1049 | Feb-25 |
| H 10.00b | ana | s.u. | ±0.15 s.u. | 11 | | | Geotech | 2GF113 | Jun-24 |
| C 1000 | 1020 | μS/cm | ±5% | | | | Geotech Ricca | 3GA1134 4209A12 | Jan-25 |
| Approx. every 4 h | | | | 1 | 10 | | NICCE | 4209A12 | Aug-24 |
| CCV (Continue | | | ation). | - | Time: | 1250 | 1 | | |
| Buffer | Check Value | Units | | Dan-15-11 | | | | | |
| oH 4.00a | | | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| oH 7.00a | N.O.I | s.u. | ±0.1 s.u. | 1 | 40 | 10/10 | MSI | 023067-01 | 3/14/2025 |
| oH 10.00a | 7.03 | s.u. | ±0.1 s.u. | 1 | - | | MSI | 023051-02 | 2/21/2025 |
| C 1000 | [0.4M | s.u. μS/cm | ±0.1 s.u. | | | | MSI | 022361-01 | 12/27/2024 |
| OO (Zero pt) | 1930 | mg/L | | | | | Ricca | 4209A12 | Aug-24 |
| Turbidity (DI) | 0.0 | NTU | ±0.1 mg/L <2 NTU | 1 | | | Macron | | 8/26/2025 |
| pprox. every 4 hr | | | \Z N10 | 1 | | + | Pace Labs | N/A (DI) | N/A (DI) |
| CCV (Continue | | | ation): | | Time: | | I | | |
| | Check Value | | | Pass/Fail | | a dissa sa tanà sa sa | | | |
| 1.00a | Cileck value | | | Pass/rati | Calibrate? | Adjusted Reading | | Lot# | Exp. |
| 7.00a | 1 | S.U. | ±0.1 s.u. | 1 | 1 | 1 | MSI | 023067-01 | 3/14/2025 |
| 0.00a | 1 | s.u. | ±0.1 s.u. | 1 | 1 | 1 | MSI | | 2/21/2025 |
| C 1000 | 1 | s.u. µS/cm | ±0.1 \$.u. | 1 | | - | MSI | | 12/27/2024 |
| O (Zero pt) | 1 | | | - \ - | | 1 | Ricca | 4209A12 | Aug-24 |
| urbidity (DI) | - | mg/L NTU | ±0.1 mg/L <2 NTU | | - | | Macron | #000228049 | |
| Comments: | - | NIO | <2 N10 | 1 | V | | Pace Labs | N/A (DI) | N/A (DI) |
| omments. | | | | | 1 | | | | |
| | | 1 | 11 | | | | | | |
| Signature: | 1 | 11 | | - | Date: | 1/19/2 | 2024 | | 7 97 |
| | " | 70 | | | | 1/10/12 | 02 3 | | |

Serial #: 19FF2111192HB

| Location: Au Au Au Au Au Au Au A |
|--|
| Make: Make: Model: Mod |
| Serial Number: |
| S.u. ±0.1 s.u. MSI 023067-01 3/14/2025 3/14/2025 3/14 2025 3/14/2025 3/1 |
| S.u. ±0.1 s.u. MSI 023051-02 2/21/2025 2/21 |
| S.u. ±0.1 s.u. ±0.1 s.u. MSI 022361-01 12/27/2025 1/2 |
| S.u. ±0.1 s.u. ±0.1 s.u. MSI 022361-01 12/27/2025 1/2 |
| |
| Line |
| Macron M |
| Pace Labs N/A (DI) N/A (DI) |
| Pace Labs N/A (DI) N/A (DI) |
| DI |
| ICV (Initial Calibration Verification) |
| Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Exp. |
| S.u. ±0.15 s.u. Geotech 3GB1049 Feb-25 |
| S.u. ±0.15 s.u. Geotech 36B1049 Feb-25 |
| S.u. ±0.15 s.u. Geotech 2GF113 Jun-24 |
| S.u. ±0.15 s.u. Geotech 3GA1134 Jan-25 |
| MS MS |
| Time: Time |
| Er Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. 4.03 s.u. ±0.1 s.u. // MSI 023067-01 3/14/2025 3.u. ±0.1 s.u. // MSI 023051-02 2/21/2025 |
| Er Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. 4.03 s.u. ±0.1 s.u. // MSI 023067-01 3/14/2025 3.u. ±0.1 s.u. // MSI 023051-02 2/21/2025 |
| 4.03 s.u. ±0.1 s.u. MSI 023067-01 3/14/2025 2.06 s.u. ±0.1 s.u. MSI 023051-02 2/21/2025 |
| 7.86 s.u. ±0.1 s.u. MSI 023051-02 2/21/2025 |
| 12 10 1 |
| 9,98 s.u. ±0.1 s.u. MSI 022361-01 12/27/202 |
| 9 10 μS/cm ±5% Ricca 4209A12 Aug-24 |
| ot) 0 mg/L ±0.1 mg/L 10.1 mg/L Macron #000228049 8/26/2025 |
| DI) NTU <2 NTU Pace Labs N/A (DI) N/A (DI) |
| very 4 hrs, unless only one well |
| ntinued Calibration Verification): Time: |
| er Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. |
| s.u. ±0.1 s.u. MSI 023067-01 3/14/2025 |
| s.u. ±0.1 s.u. / MSI 023051-02 2/21/2025 |
| s.u. ±0.1 s.u. / MSI 022361-01 12/27/202 |
| μS/cm ±5% / Ricca 4209A12 Aug-24 |
| ht) mg/L ±0.1 mg/L / Macron #000228049 8/26/2025 |
| DI) NTU <2 NTU Pace Labs N/A (DI) N/A (DI) |
| 51 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

| Field Personnel: | ubrdan I | Bohan | nam | | Location: | Duck C | reek | | |
|--------------------|-------------------|----------|--------------|-----------|--------------|------------------|--------------|------------|-------------|
| Weather: | | | shwind, Clou | dy | Environment: | Icedover | Snow co | vered | |
| Multiparameter | | Make: | Horiba | V. | U-5000 | | WUG830 | | |
| Water Lev | el Meter | Make: | Heran | Model: | DipperT | Serial Number: | 3919-1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| H 4.00a | 4.07 | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 023067-01 | 3/14/2025 |
| H 7.00a | 6.84 | s.u. | ±0.1 s.u. | F | Yes | 7.00 | MSI | 023051-02 | 2/21/2025 |
| H 10.00a | 10.02 | s.u. | ±0.1 s.u. | P | No | N/A. | MSI | 022361-01 | 12/27/2024 |
| C Zero (DI) | 7.8 | μS/cm | 0<25 μS/cm | P | Ma | NIA | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2050 | μS/cm | ±5% | P | No | NIA | Geotech | 3GF1197 | Jun-24 |
| ORP | 227 | mV | ±15 mV | P | No | N/A | InSitu | 3CD027 | Jan-24- |
| OO (Zero pt) | 0.07 | mg/L | ±0.1 | P | No | NIA | Macron | #000228049 | |
| O (Saturated) | 98.3% | % | 97-100% | P | NO | NIA | Pace Labs | N/A (DI) | N/A (DI) |
| urbidity (DI) | 1) | NTU | <2 NTU | P | No | NIA | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 4 hr | s. unless only or | | | | 250 | III | 1 400 2403 | IN/X (DI) | 14/77 (151) |
| | (Initial Calibr | | erification) | | Time: | 09:34 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Free |
| H 4.00b | 3-93 | | ±0.15 s.u. | P | | ii iakerir | | Lot# | Exp. |
| | | s.u. | | P | None | | Geotech | 3GB1049 | Feb-25 |
| H 7.00b | 9.99 | s.u. | ±0.15 s.u. | P | None | | Geotech | 2GF113 | Jun-24 |
| H 10.00b | 987 | S.U. | ±0.15 s.u. | P | None | | Geotech | 3GA1134 | Jan-25 |
| C 1000 | | μS/cm | ±5% | 1 | None | | Ricca | 4209A12 | Aug-24 |
| pprox. every 4 hr | | | - 47 1. | | | | i | | |
| CCV (Continue | | 1 | ation): | - | Time: | 13.3% | | _ | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| H 4.00a | 3.97 | s.u. | ±0.1 s.u. | P | No | NA | MSI | 023067-01 | 3/14/2025 |
| H 7.00a | 7.01 | s.u. | ±0.1 s.u. | P | No | NIA | MSI | 023051-02 | 2/21/2025 |
| H 10.00a | 10.02 | s.u. | ±0.1 s.u. | P | No | NA | MSI | 022361-01 | 12/27/2024 |
| C 1000 | 987 | μS/cm | ±5% | P | No | NA | Ricca | 4209A12 | Aug-24 |
| OO (Zero pt) | O | mg/L | ±0.1 mg/L | P | No | WH | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | 0 | NTU | <2 NTU | P | No | IV/A | Pace Labs | N/A (DI) | N/A (DI) |
| approx. every 4 hr | s, unless only or | ie well | | | | | | | |
| CCV (Continue | d Calibration | Verifica | ation): | | Time: | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| I.00a | | s.u. | ±0.1 s.u. | | * | | MSI | 023067-01 | 3/14/2025 |
| .00a | | s.u. | ±0.1 s.u. | 1 | / | | MSI | 023051-02 | 2/21/2025 |
| 0.00a | / | s.u. | ±0.1 s.u. | // | 1 | / | MSI | 022361-01 | 12/27/2024 |
| C 1000 | | μS/cm | ±5% | 1/ | 1/4 | / | Ricca | 4209A12 | Aug-24 |
| O (Zero pt) | 1 | mg/L | ±0.1 mg/L | 1/ | - V | / | Macron | #000228049 | |
| urbidity (DI) | 1 | NTU | <2 NTU | 1 | 1 | / | Pace Labs | N/A (DI) | N/A (DI) |
| Comments: ORP | Techen at 1.6 | 700 | | N. | | | r dec Edds | 1000 | in (Di) |
| | 2.1 | | | | | - | | | |
| Signature: | 1/36 hor | | | | Date: | 01/23/2 | 10011 | | |
| | | | | | | | | | |

| | Andrew 1 | Netesk | a Joe Q | ed. | Location | Duck Ca | 00V | | |
|----------------------------------|--------------------|--|--|-----------|-------------|------------------|--------------------------------------|--|--|
| Weather | 350 Rain | Yough u | and Cloudy | ~ | Environment | - | Snow lov | reid | |
| Multiparamete | | Make: | Horizoa | Model: | U3000 | Serial Numbe | 1 | TK4 | 10 |
| Water Lev | vel Meter | Make: | Heron | Model: | Sera'z | Serial Numbe | IQFE | 2111 | 92 HD |
| Buffer | Check Value | Units | Range | Pass/Fail | | Adjusted Reading | | | 210 |
| 4.00a | 3,97 | s.u. | ±0.1 s.u. | P | No | | | | Exp. |
| 1 7.00a | 10.99 | s.u. | ±0.1 s.u. | 10 | NO | NA | MSI | 023067-01 | 3/14/2025 |
| H 10.00a | 10.05 | s.u. | ±0.1 s.u. | 0 | 20 | N/A | MSI | 023051-02 | 2/21/2025 |
| Zero (DI) | 10 | μS/cm | 0<25 μS/cm | D | NO | NA | MSI | 022361-01 | 12/27/2024 |
| 2000 | 1990 | μS/cm | ±5% | P | | MA | Pace Labs | N/A (DI) | N/A (DI) |
| P | a48 | mV | ±15 mV | 10 | No | NA | Geotech | 3GF1197 | Jun-24 |
| (Zero pt) | 0.0 | mg/L | ±0.1 | P | NO | N/H | InSitu | 3GD927 | Jan 24 |
| (Saturated) | 0195 | % | 97-100% | 15 | No | NIA | Macron | #000228049 | |
| bidity (DI) | 10 | NTU | <2 NTU | 5 | 2V 0 | NA | Pace Labs | N/A (DI) | N/A (DI) |
| | rs, unless only on | | ~2 NTU | 1 | NO | NA | Pace Labs | N/A (DI) | N/A (DI) |
| | (Initial Calibr | | erification) | | Time: | 10:24 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Actio | n Taken? | Manufact | 1 | - |
| 4.00b | 4.00 | s.u. | ±0.15 s.u. | 0 | Actio | ii rakeiir | Manufacturer | Lot# | Exp. |
| 7.00b | 495 | s.u. | ±0.15 s.u. | 1 | - W | | Geotech | 3GB1049 | Feb-25 |
| 0.00b | 999 | s.u. | ±0.15 s.u. | 11 | | | Geotech | 2GF113 | Jun-24 |
| 000 | 10.00 | μS/cm | ±5% | 11 | - | | Geotech | 3GA1134 | Jan-25 |
| rox. every 4 hr | s, unless only on | | | - | | | Ricca | 4209A12 | Aug-24 |
| | d Calibration | | tion): | | Time: | 1550 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Monufacture | | |
| 4.00a | 3 99 | s.u. | ±0.1 s.u. | 17 | A | Aujusted Reading | Manufacturer | Lot# | Exp. |
| 7.00a | 7.01 | s.u. | ±0.1 s.u. | 1 | 14 | 1 | MSI | 023067-01 | 3/14/2025 |
| 10.00a | 1001 | s.u. | ±0.1 s.u. | | | 1 | MSI | 023051-02 | 2/21/2025 |
| 000 | 10213 | μS/cm | ±5% | | | 1 | MSI | 022361-01 | 12/27/2024 |
| Zero pt) | O.A | mg/L | ±0.1 mg/L | 1 | 1 | 1 | Ricca | 4209A12 | Aug-24 |
| oidity (DI) | 0.0 | NTU | <2 NTU | 1 | | - | Macron | | 8/26/2025 |
| | , unless only one | | | - | | - | Pace Labs | N/A (DI) | N/A (DI) |
| ox. every 4 hrs | | | | | Time: | | | | |
| V (Continued | | | | | | | | | |
| V (Continued | | | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacture | | |
| V (Continued Buffer | Check Value | Units | | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| / (Continued Buffer a | | Units s.u. | ±0.1 s.u. | Pass/Fail | Galibrate? | | MSI | 023067-01 | 3/14/2025 |
| V (Continued Buffer Pa | | Units s.u. s.u. | ±0.1 s.u. ±0.1 s.u. | Pass/Fail | Calibrate? | -/- | MSI MSI | 023067-01 023051-02 | 3/14/2025 2/21/2025 |
| / (Continued Buffer a a | Check Value | Units s.u. s.u. s.u. | ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. | Pass/Fail | Calibrate? | | MSI MSI MSI | 023067-01 023051-02 022361-01 | 3/14/2025 |
| / (Continued Buffer a a Da DOO | Check Value | Units s.u. s.u. s.u. μS/cm | ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% | Pass/Fail | Calibrate? | | MSI MSI MSI Ricca | 023067-01 023051-02 022361-01 4209A12 | 3/14/2025 2/21/2025 12/27/2024 Aug-24 |
| V (Continued | Check Value | Units s.u. s.u. s.u. | ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. | Pass/Fail | Calibrate? | | MSI MSI MSI Ricca Macron | 023067-01 023051-02 022361-01 4209A12 #000228049 | 3/14/2025 2/21/2025 12/27/2024 Aug-24 |

| | Jordan Bo | hanin | w | | Location: | Duck Creek | | | |
|---|---------------------------------------|---|---|-----------|--------------|------------------|----------------------------|--|--|
| Weather: | | | emph wind | | Environment: | Snow, Sli | | | |
| Multiparamete | er Water Meter | Make: | Horiba | Model: | U-5000 | Serial Number: | 1 /1 100 | 3 C 85 | |
| Water Le | vel Meter | Make: | Heron | Model: | DipperT | Serial Number: | 10-01 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.02 | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 023067-01 | 3/14/2025 |
| oH 7.00a | 6.86 | s.u. | ±0.1 s.u. | F | Yes | 7.00 | MSI | 023051-02 | 2/21/2025 |
| H 10.00a | 10-23 | s.u. | ±0.1 s.u. | F | Yes | 10.07 | MSI | 022361-01 | 12/27/2024 |
| SC Zero (DI) | 75 | μS/cm | 0<25 μS/cm | F | Yes | 1.7 | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 1950 | μS/cm | ±5% | P | No | N/A | Geotech | 3GF1197 | Jun-24 |
| ORP | 215 | mV | ±15 mV | P | No | | InSitu | 36D927 | Jan 24 |
| DO (Zero pt) | 0.00 | mg/L | ±0.1 | P | No | | Macron | #000228049 | 8/26/2025 |
| OO (Saturated) | 97% | % | 97-100% | P | No | | Pace Labs | N/A (DI) | N/A (DI) |
| Furbidity (DI) | 0.0 | NTU | <2 NTU | P | No | 4 | Pace Labs | N/A (DI) | N/A (DI) |
| | rs, unless only or | e well | | - | | | | | |
| | / (Initial Calibr | | erification) | | Time: | 09:39 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | l ot# | Even |
| H 4.00b | 4.04 | | ±0.15 s.u. | p | None | ii iakeii: | Geotech | 3GB1049 | Exp. Feb-25 |
| H 7.00b | 6.84 | s.u. | | F | Calibrated | -> '7 (h) | | | |
| oH 10.00b | 10.03 | s.u. | ±0.15 s.u. | P | | 7.00 | Geotech Geotech | 2GF113 | Jun-24 |
| SC 1000 | 974 | s.u. µS/cm | ±0.15 s.u. ±5% | P | None | | Ricca | 3GA1134 | Jan-25 |
| | | | ±5% | F | None | | NICCa | 4209A12 | Aug-24 |
| | rs, unless only or | | | | | 111.30 | F | | |
| | ed Calibration | Verific | ation): | | Time: | 14:38 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| oH 4.00a | 4.03 | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 023067-01 | 3/14/2025 |
| oH 7.00a | 6.94 | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 023051-02 | 2/21/2025 |
| oH 10.00a | 10.07 | s.u. | ±0.1 s.u. | P | No | NA | MSI | 022361-01 | 12/27/2024 |
| SC 1000 | 987 | μS/cm | ±5% | P | No | N/A | Ricca | 4209A12 | Aug-24 |
| | 0.00 | mg/L | ±0.1 mg/L | P | No | N/A | Macron | #000228049 | 8/26/2025 |
| DO (Zero pt) | 0.0 | NTU | <2 NTU | P | No | N/A | Pace Labs | N/A (DI) | N/A (DI) |
| | | | | | | | | | |
| Furbidity (DI) | rs, unless only or | e well | | | | | | | |
| | | | ation): | | Time: | | | | |
| Furbidity (DI) Approx. every 4 h CCV (Continue | irs, unless only or ed Calibration | Verific | | Pass/Fail | | Adjusted Reading | Manufacturer | Lot# | Fxn |
| Furbidity (DI) Approx. every 4 h CCV (Continue Buffer | rs, unless only or | Verifica Units | Range | Pass/Fail | | Adjusted Reading | | | Exp. |
| Furbidity (DI) Approx. every 4 h CCV (Continue Buffer 1.00a | irs, unless only or ed Calibration | Verification Units s.u. | Range ±0.1 s.u. | Pass/Fail | | Adjusted Reading | MSI | 023067-01 | 3/14/2025 |
| Turbidity (DI) Approx. every 4 h CCV (Continue Buffer 1.00a 7.00a | irs, unless only or ed Calibration | Verification Units s.u. s.u. | Range ±0.1 s.u. ±0.1 s.u. | Pass/Fail | | Adjusted Reading | MSI MSI | 023067-01 023051-02 | 3/14/2025 2/21/2025 |
| urbidity (DI) Approx. every 4 h CCV (Continue Buffer .00a .00a 0.00a | irs, unless only or ed Calibration | Verification Units s.u. s.u. s.u. | Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. | Pass/Fail | | Adjusted Reading | MSI MSI | 023067-01 023051-02 022361-01 | 3/14/2025 2/21/2025 12/27/2024 |
| urbidity (DI) Approx. every 4 h CCV (Continue Buffer .00a .00a 0.00a C 1000 | irs, unless only or ed Calibration | Verification Units s.u. s.u. s.u. μS/cm | Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% | Pass/Fail | | Adjusted Reading | MSI MSI MSI Ricca | 023067-01 023051-02 022361-01 4209A12 | 3/14/2025 2/21/2025 12/27/2024 Aug-24 |
| Furbidity (DI) Approx. every 4 h CCV (Continue | irs, unless only or ed Calibration | Verification Units s.u. s.u. s.u. | Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. | Pass/Fail | | Adjusted Reading | MSI MSI | 023067-01 023051-02 022361-01 | 3/14/2025 2/21/2025 12/27/2024 Aug-24 |

| | AP | | | | Location: | Duck | creen | | |
|---|---|--|--|-----------|-------------------|------------------|---|--|---|
| Weather: | 37°-40" | J'ns | NE brief | ١ | Environment: | | Hase | mul | |
| Multiparamete | | Make: | Horibn | Model: | V5000 | Serial Number: | 1 | YJA | 3 |
| Water Lev | el Meter | Make: | Heron | Model: | Dingert | Serial Number: | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.00 | s.u. | ±0.1 s.u. | Pa | Ves | 4 00 | MSI | 023067-01 | 3/14/2025 |
| oH 7.00a | 6-87 | s.u. | ±0.1 s.u. | 1 | Les | 7.00 | MSI | 023051-02 | 2/21/2025 |
| Н 10.00а | 10.07 | s.u. | ±0.1 s.u. | P | yet | 10.01 | MSI | 022361-01 | 12/27/2024 |
| C Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | 100 | 200 | - | Pace Labs | N/A (DI) | N/A (DI) |
| C 2000 | 20 40 | μS/cm | ±5% | P | NO | - | Geotech | 3GF1197 | Jun-24 |
| ORP | 300 | mV | ±15 mV | 12 | VLS | 250 | InSitu | 3 00927 | lan 24 |
| OO (Zero pt) | 0 00 | mg/L | ±0.1 | 8 | No | - | Macron | #000228049 | |
| OO (Saturated) | 98.7 | % | 97-100% | P | NG | | Pace Labs | N/A (DI) | N/A (DI) |
| urbidity (DI) | 0.9 | NTU | <2 NTU | P | No | ~ | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 4 hr | s, unless only or | ne well | | | | | 249 (2) | 200 | 1.4(=.4 |
| ICV | (Initial Calibr | ation V | erification) | | Time: | 103 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Actio | n Taken? | Manufacturer | Lot# | Exp. |
| H 4.00b | 3.012 | s.u. | ±0.15 s.u. | P | ~ | | Geotech | 3GB1049 | Feb-25 |
| H 7.00b | 7.00 | s.u. | ±0.15 s.u. | P | | _ | Geotech | 2GF113 | Jun-24 |
| H 10.00b | 10.02 | s.u. | ±0.15 s.u. | 8 | | ~ | Geotech | 3GA1134 | Jan-25 |
| C 1000 | 1030 | μS/cm | ±5% | p | | ~ | Ricca | 4209A12 | Aug-24 |
| pprox. every 4 hr | s, unless only or | ne well | | | | | | | |
| CCV (Continue | d Calibration | Verifica | ition): | | Time: | 1509 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| buller | 404 | s.u. | ±0.1 s.u. | 0 | NO | Department | MSI | | 3/14/2025 |
| | 170 | | 401 | 10 | NO | L | MSI | | 2/21/2025 |
| H 4.00a | 208 | s.u. | ±0.1 s.u. | | | | | | 12/27/2024 |
| H 4.00a H 7.00a | | s.u. | ±0.1 s.u. | 6 | 1/0 | · · | MSI | 022361-01 | |
| H 4.00a H 7.00a H 10.00a C 1000 | 208 | _ | | 80 | NO NO | | MSI Ricca | 022361-01 4209A12 | |
| H 4.00a H 7.00a H 10.00a C 1000 | 708 10.06 1020 000 | s.u. | ±0.1 s.u. | 6 | 10 10 | | | 4209A12 | Aug-24 |
| H 4.00a H 7.00a H 10.00a C 1000 O (Zero pt) | 10.06 | s.u. µS/cm | ±0.1 s.u. ±5% | 80 | M9 | | Ricca | 4209A12 #000228049 | Aug-24 8/26/2025 |
| H 4.00a H 7.00a H 10.00a C 1000 O (Zero pt) urbidity (DI) oprox. every 4 hr | Trog 10,06 1020 000 000 000 s, unless only on | s.u. µS/cm mg/L NTU ne well | ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU | Pe | NO | | Ricca Macron | 4209A12 | Aug-24 |
| H 4.00a H 7.00a H 10.00a C 1000 O (Zero pt) urbidity (DI) pprox. every 4 hr | Trog 10,06 1020 000 000 000 s, unless only on | s.u. µS/cm mg/L NTU ne well | ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU | Pe | M9 | | Ricca Macron | 4209A12 #000228049 | Aug-24 8/26/2025 |
| H 4.00a H 7.00a H 10.00a C 1000 O (Zero pt) urbidity (DI) pprox. every 4 hr CCV (Continue | Trog 10,06 1020 000 000 000 s, unless only on | s.u. µS/cm mg/L NTU ne well | ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU | Pe | Mo Mo | | Ricca Macron | 4209A12 #000228049 | Aug-24 8/26/2025 N/A (DI) |
| H 4.00a H 7.00a H 10.00a C 1000 O (Zero pt) urbidity (DI) pprox. every 4 hr CV (Continue Buffer 00a | 7,08 10,06 0,00 0,00 0,00 s, unless only on d Calibration | s.u. µS/cm mg/L NTU e well Verifica | ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU | Se Se | No No Time: | | Ricca Macron Pace Labs | 4209A12 #000228049 N/A (DI) | Aug-24 8/26/2025 N/A (DI) |
| H 4.00a H 7.00a H 7.00a C 1000 O (Zero pt) arbidity (DI) pprox. every 4 hr CV (Continue Buffer 00a | 7,08 10,06 0,00 0,00 0,00 s, unless only on d Calibration | s.u. µS/cm mg/L NTU e well Verifica | ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU ation): | Se Se | No No Time: | | Ricca Macron Pace Labs Manufacturer | 4209A12 #000228049 N/A (DI) Lot# 023067-01 | Aug-24 8/26/2025 N/A (DI) Exp. 3/14/2025 |
| H 4.00a H 7.00a H 10.00a C 1000 D (Zero pt) Irbidity (DI) Oprox. every 4 hr CV (Continue Buffer 100a 100a | 7,08 10,06 0,00 0,00 0,00 s, unless only on d Calibration | s.u. µS/cm mg/L NTU e well Verifica Units s.u. | ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. | Se Se | No No Time: | | Ricca Macron Pace Labs Manufacturer MSI | 4209A12 #000228049 N/A (DI) Lot# 023067-01 023051-02 | Aug-24 8/26/2025 N/A (DI) Exp. 3/14/2025 2/21/2025 |
| 1 4.00a 1 7.00a 1 10.00a 1 10.00a 1 10.00 0 (Zero pt) rbidity (DI) prox. every 4 hr CV (Continue Buffer 100a 100a 100a | 7,08 10,06 0,00 0,00 0,00 s, unless only on d Calibration | s.u. µS/cm mg/L NTU e well Verifica Units s.u. s.u. | ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU etion): Range ±0.1 s.u. ±0.1 s.u. | Se Se | No No Time: | | Ricca Macron Pace Labs Manufacturer MSI MSI | 4209A12 #000228049 N/A (DI) Lot# 023067-01 023051-02 022361-01 | Aug-24 8/26/2025 N/A (DI) Exp. 3/14/2025 2/21/2025 12/27/2024 |
| H 4.00a H 7.00a H 10.00a C 1000 O (Zero pt) urbidity (DI) pprox. every 4 hr. | 7,08 10,06 0,00 0,00 0,00 s, unless only on d Calibration | s.u. µS/cm mg/L NTU we well Verifica Units s.u. s.u. s.u. | ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. | Se Se | No No Time: | | Ricca Macron Pace Labs Manufacturer MSI MSI MSI | 4209A12 #000228049 N/A (DI) Lot# 023067-01 023051-02 022361-01 | Aug-24 8/26/2025 N/A (DI) Exp. 3/14/2025 2/21/2025 12/27/2024 Aug-24 |

| Field Personnel: | JR. | LR | | | Location: | DUCK CZ | FEK | | |
|------------------------------|--------------------|----------|--------------|------------|----------------|------------------|--------------|------------|------------------|
| Weather: | 35_348 | cloud | rainy | | Environment: | | now/ra | in | |
| Multiparamete | | Make: | Horiba | Model | V-5000 | Serial Number: | 1.4 | K4X0 | 9 |
| Water Lev | vel Meter | Make: | Heron | Model | Serres 1100 | Serial Number: | 19FF2 | -1111 92 | HR |
| Buffer | Check Value | Units | Range | Pass/Fai | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| H 4.00a | 4.00 | s.u. | ±0.1 s.u. | P | N | | MSI | 023067-01 | 3/14/2025 |
| H 7.00a | 6.94 | s.u. | ±0.1 s.u. | 1 1 | | | MSI | 023051-02 | 2/21/2025 |
| H 10.00a | 1000 | s.u. | ±0.1 s.u. | | | | MSI | 022361-01 | 12/27/2024 |
| C Zero (DI) | 0.4 | μS/cm | 0<25 μS/cm | 122/4 | 2.1 | | Pace Labs | N/A (DI) | N/A (DI) |
| C 2000 | 2050 | μS/cm | ±5% | | | | Geotech | 3GF1197 | Jun-24 |
|)RP | 249 | mV | ±15 mV | | 1 - 1 - 3 | | InSitu | 3CD927 | Jan 24 |
| O (Zero pt) | 0.00 | mg/L | ±0.1 | 1010 | | | Macron | #000228049 | 8/26/2025 |
| O (Saturated) | 98.9 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| urbidity (DI) | 0.0 | NTU | <2 NTU | 4 | 4 | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 4 h | rs, unless only on | e well | | | | | | | |
| ICV | (Initial Calibr | ation V | erification) | | Time: | 945 | | | |
| Buffer | Check Value | Units | Range | Pass/Fai | | n Taken? | Manufacturer | Lot# | Evn |
| 1 4.00b | 3.99 | s.u. | ±0.15 s.u. | 1 033/1 01 | Actio | ii iakeii; | Geotech | 3GB1049 | Exp. Feb-25 |
| H 7.00b | | s.u. | ±0.15 s.u. | 1 | 1 | | Geotech | 2GF113 | |
| H 10.00b | 7.00 | s.u. | ±0.15 s.u. | 11 | | | Geotech | 3GA1134 | Jun-24 |
| 1000 | -(1 | μS/cm | ±5% | 11 | 1 | | Ricca | 4209A12 | Jan-25 Aug-24 |
| | rs, unless only on | _ | 1370 | | | | Micea | 4203A12 | Aug-24 |
| | | | - At \ | | | 111 | 1 | | |
| | ed Calibration | | | _ | Time: | 1456 | | | |
| Buffer | Check Value | Units | Range | Pass/Fai | | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 1 4.00a | 4.03 | s.u. | ±0.1 s.u. | P | N | N | MSI | 023067-01 | 3/14/2025 |
| H 7.00a | 6.92 | s.u. | ±0.1 s.u. | P | N | N | MSI | 023051-02 | 2/21/2025 |
| H 10.00a | 10.03 | s.u. | ±0.1 s.u. | 7 | N | N | MSI | 022361-01 | 12/27/2024 |
| 2 1000 | 990 | μS/cm | ±5% | P | N | N | Ricca | 4209A12 | Aug-24 |
| O (Zero pt) | 0 | mg/L | ±0.1 mg/L | P | N | N | Macron | #000228049 | 8/26/2025 |
| urbidity (DI) | 0 | NTU | <2 NTU | P | N | N | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 4 h | rs, unless only on | e well | | | | | | | |
| CV (Continue | ed Calibration | Verifica | ation): | | Time: | | | | |
| Buffer | Check Value | Units | Range | Pass/Fai | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| .00a | | s.u. | ±0.1 s.u. | | / | / | MSI | | 3/14/2025 |
| .00a | | s.u. | ±0.1 s.u. | / | / | | MSI | 023051-02 | 2/21/2025 |
| 0.00a | / | s.u. | ±0.1 s.u. | 1 | | | MSI | 022361-01 | 12/27/2024 |
| 1000 | | μS/cm | ±5% | 1 | / | / | Ricca | 4209A12 | Aug-24 |
| | / | mg/L | ±0.1 mg/L | / | / | / | Macron | #000228049 | |
| O (Zero pt) | / | NTU | <2 NTU / | 1 | / | / | Pace Labs | N/A (DI) | N/A (DI) |
| O (Zero pt) urbidity (DI) | 7 | | | | | | race Labs | | |

| Field Personnel | AP |) | | | Location: | Puck | C Qan N | | |
|--|-----------------|--------|--------------|-----------|--------------|--------------------|---------------|--------------------|--------------------|
| Weather | 770-KO | W.V | S NE LEM | rL | Environment: | Spilled 1 | MSS, n | ·V/ | |
| Multiparamete | r Water Meter | Make: | 1-101260 | Model: | U-5000 | Serial Number | | 8308 | 5 |
| Water Le | vel Meter | Make: | Heron | Model: | DIPACT | Serial Number | | -21111 | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | | Lot# | Exp. |
| pH 4.00a | 4.10 | s.u. | ±0.1 s.u. | P | NO | NA | MSI | 023067-01 | 3/14/2025 |
| pH 7.00a | 10.95 | s.u. | ±0.1 s.u. | P | 00 | fr | MSI | 023051-02 | 2/21/2025 |
| pH 10.00a | 10.01 | S.U. | ±0.1 s.u. | 0 | NO | | MSI | 023051-02 | 12/27/2025 |
| C Zero (DI) | 23 | μS/cm | 0<25 μS/cm | P | NO | | Pace Labs | N/A (DI) | |
| SC 2000 | 2040 | μS/cm | ±5% | P | No | | Geotech | 3GF1197 | N/A (DI) Jun-24 |
| ORP | 243 | mV | ±15 mV | P | NO | | InSitu | 365027 | Jun-24 |
| DO (Zero pt) | 0.07 | mg/L | ±0.1 | P | 20 | | Macron | #000228049 | |
| DO (Saturated) | 100% | % | 97-100% | p | NO | | Pace Labs | N/A (DI) | |
| Turbidity (DI) | 0.2 | NTU | <2 NTU | P | NO | | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 h | | | | 1 | 100 | | I ace raps | N/A (DI) | N/A (DI) |
| | (Initial Calibr | | erification) | | Time: | Cour | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| H 4.00b | 4.05 | s.u. | ±0.15 s.u. | P | NO | | Geotech | 3GB1049 | Feb-25 |
| H 7.00b | 7.01 | s.u. | ±0.15 s.u. | P | 1 | | Geotech | 2GF113 | |
| н 10.00Ь | 10.04 | s.u. | ±0.15 s.u. | P | | | Geotech | | Jun-24 |
| C 1000 | 1030 | μS/cm | ±5% | P | | | Ricca | 3GA1134 4209A12 | Jan-25 |
| pprox. every 4 h | | | | - | | | THEEL | 4203A12 | Aug-24 |
| CCV (Continue | | | ation): | | Time: | 1503 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | 8.45 m / 62 m | | |
| Н 4.00а | V. ~ 3 | S.U. | ±0.1 s.u. | rass/rail | Calibrater | | Manufacturer | Lot# | Exp. |
| H 7.00a | 7,06 | s.u. | ±0.1 s.u. | 1 | 100 | NA | MSI | 023067-01 | 3/14/2025 |
| H 10.00a | 10.94 | s.u. | ±0.1 s.u. | 10 | AU | NA | MSI | 023051-02 | 2/21/2025 |
| C 1000 | 1030 | μS/cm | ±5% | 10 | | NA | MSI | 022361-01 | 12/27/2024 |
| OO (Zero pt) | 20.08 | mg/L | ±0.1 mg/L | 16 | NO | 4 . 4 | Ricca | 4209A12 | Aug-24 |
| urbidity (DI) | 0.0 | NTU | <2 NTU | 10 | No | MA | Macron | | 8/26/2025 |
| Approx. every 4 h | | | \Z N10 | - | Na | NV | Pace Labs | N/A (DI) | N/A (DI) |
| CCV (Continue | | | tion): | - | Time: | | 1 | | |
| | Check Value | | | Pass/Fail | | Adjusted Reading | Manufacturer | Lot# | Eve |
| .00a | - × | s.u. | ±0.1 s.u. | 20077 011 | Complete: | , sajastea neaulig | MSI | Lot# 023067-01 | Exp. |
| .00a | / | s.u. | ±0.1 s.u. | 1 | / | - | MSI | | 3/14/2025 |
| 0. 0 0a | / | s.u. | ±0.1 s.u. | / | / | / | MSI | 023051-02 | 2/21/2025 |
| | 1 | μS/cm | ±5% | / | / | / | | 022361-01 | 12/27/2024 |
| | 1 | mg/L | ±0.1 mg/L | / | / | / | Ricca | 4209A12 | Aug-24 |
| C 1000 | | 1115/1 | ±0.± IIIg/ L | 16 | 1 | | Macron | #000228049 | 8/26/2025 |
| C 1000 O (Zero pt) urbidity (DI) | 1 | NTU | <2 NTU | / | | / | Pace Labs | | N/A (DI) |

| | Joel | Ree | d | | Location: | Duck | Creek | (V: | itra |
|---|---------------------------------------|--|---|-----------|--------------|------------------|----------------------------|--|--|
| Weather: | Cloud | 1/sp | rinkles 36- | 380F | Environment: | Slushy | / wet | (| 7,00 |
| Multiparameter V | Vater Meter | Make: | Horiba | Model: | U5000 | Serial Number: | 1291 | J9 HA | |
| Water Level | Meter | Make: | Solinst | Model: | model | Serial Number: | 334 | 159 | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| pH 4.00a | 400 | s.u. | ±0.1 s.u. | r. | N | | MSI | 023067-01 | 3/14/2025 |
| pH 7.00a | 6.99 | s.u. | ±0.1 s.u. | | | | MSI | 023051-02 | 2/21/2025 |
| oH 10.00a | 9,99 | s.u. | ±0.1 s.u. | | | | MSI | 022361-01 | 12/27/2024 |
| SC Zero (DI) | 0 10 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2050 | μS/cm | ±5% | | | | Geotech | 3GF1197 | Jun-24 |
| ORP | 245 | mV | ±15 mV | | | | InSitu | 360927 | Jan-24 |
| DO (Zero pt) | 00 | mg/L | ±0.1 | | | | Macron | - | 8/26/2025 |
| DO (Saturated) | 989 | % | 97-100% | | 9-10-11 | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| Furbidity (DI) | 00 | NTU | <2 NTU | 1 | | | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 hrs, | unless only on | | | | | 1 | , 400 4425 | 1.47.1(2.1) | IN, IN (DI) |
| | Initial Calibr | | erification) | | Time: | 1015 | 1 | | |
| | | | | 1 1 1 | | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Actio | n Taken? | Manufacturer | Lot# | Exp. |
| H 4.00b | 3.99 | s.u. | ±0.15 s.u. | K | N | | Geotech | 3GB1049 | Feb-25 |
| H 7.00b | 698 | s.u. | ±0.15 s.u. | | | | Geotech | 2GF113 | Jun-24 |
| H 10.00b | 9.98 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 100 | μS/cm | ±5% | | _ | | Ricca | 4209A12 | Aug-24 |
| Approx. every 4 hrs, | | | | | | | | | |
| CCV (Continued | Calibration | Verifica | ation): | | Time: | 15 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| oH 4.00a | 4.02 | s.u. | ±0.1 s.u. | 8 | N | 1 | MSI | 023067-01 | 3/14/2025 |
| pH 7.00a | 7.00 | s.u. | ±0.1 s.u. | 1 | | | MSI | 023051-02 | 2/21/2025 |
| oH 10.00a | 100 | s.u. | ±0.1 s.u. | | | | MSI | 022361-01 | 12/27/2024 |
| | 990 | μS/cm | ±5% | | | | Ricca | 4209A12 | Aug-24 |
| | A 10 | mg/L | ±0.1 mg/L | | | 1 | Macron | #000228049 | |
| SC 1000 | 14 .71 | | | 1 | | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| SC 1000 DO (Zero pt) | 0.01 | | <2 NTU | | | | | | 14714-1 |
| SC 1000 DO (Zero pt) Furbidity (DI) | 0.0 | NTU | <2 NTU | | | , | 1 | | |
| SC 1000 DO (Zero pt) Furbidity (DI) Approx. every 4 hrs, | U 40 unless only on | NTU e well | | | Time: | | | | |
| SC 1000 DO (Zero pt) Furbidity (DI) Approx. every 4 hrs, CCV (Continued | U 40 unless only on Calibration | NTU e well Verifica | ation): | Dogg/Enil | Time: | Adinated Deading | Manufactura | 1 | |
| SC 1000 DO (Zero pt) Furbidity (DI) Approx. every 4 hrs, CCV (Continued Buffer | U 40 unless only on Calibration | NTU e well Verifica Units | ation): Range | Pass/Fail | | Adjusted Reading | | | Exp. |
| SC 1000 DO (Zero pt) Furbidity (DI) Approx. every 4 hrs, CCV (Continued Buffer 4.00a | U 40 unless only on Calibration | NTU e well Verifica Units s.u. | ation): Range ±0.1 s.u. | Pass/Fail | | Adjusted Reading | MSI | 023067-01 | 3/14/2025 |
| SC 1000 DO (Zero pt) Furbidity (DI) Approx. every 4 hrs, CCV (Continued Buffer 4.00a 7.00a | U 40 unless only on Calibration | NTU e well Verifica Units s.u. s.u. | ation): Range ±0.1 s.u. ±0.1 s.u. | Pass/Fail | | Adjusted Reading | MSI MSI | 023067-01 023051-02 | 3/14/2025 2/21/2025 |
| CCV (Continued Buffer 4.00a 7.00a 10.000 10.000 | U 40 unless only on Calibration | NTU e well Verifica Units s.u. s.u. s.u. | ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. | Pass/Fail | | Adjusted Reading | MSI MSI MSI | 023067-01 023051-02 022361-01 | 3/14/2025 2/21/2025 12/27/2024 |
| GC 1000 DO (Zero pt) Furbidity (DI) Approx. every 4 hrs, CCV (Continued Buffer 1.00a 7.00a 10.00a 6C 1000 | U 40 unless only on Calibration | NTU e well Verifica Units s.u. s.u. s.u. μS/cm | ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5.4 | Pass/Fail | | Adjusted Reading | MSI MSI MSI Ricca | 023067-01 023051-02 022361-01 4209A12 | 3/14/2025 2/21/2025 12/27/2024 Aug-24 |
| SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hrs, CCV (Continued | U 40 unless only on Calibration | NTU e well Verifica Units s.u. s.u. s.u. | ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. | Pass/Fail | | Adjusted Reading | MSI MSI MSI | 023067-01 023051-02 022361-01 4209A12 | 3/14/2025 2/21/2025 12/27/2024 |

| pH 4.00a 3.65 s.u. ±0.1 s.u. Foil Ve 7.00 MSI 02306 pH 7.00a 7.13 s.u. ±0.1 s.u. Foil Ve 7.01 MSI 02305 pH 10.00a | t# Exp. 7-01 3/14/2025 1-02 2/21/2025 1-01 12/27/202 I) N/A (DI) 97 Jun-24 7 Jan 24 |
|--|---|
| Multiparameter Water Meter Make: Horiba Model: U - 5000 Serial Number: A G J T K 4 Y Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer L 6H 4.00a 3 - 5 | t# Exp. 7-01 3/14/2025 1-02 2/21/2025 1-01 12/27/202 1) N/A (DI) 97 Jun-24 7 Jan 24 |
| Water Level Meter Make: Heron Model: Dipper Serial Number: 3717-T | 7-01 3/14/2025 1-02 2/21/2025 1-01 12/27/202 II) N/A (DI) 97 Jun-24 7 Jan 24 |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer L Debt 4.00a 3.65 s.u. ±0.1 s.u. Foil Yes 7.07 MSI 02305 pH 7.00a 7.13 s.u. ±0.1 s.u. Foil Yes 7.07 MSI 02305 pH 10.00a | 7-01 3/14/2025 1-02 2/21/2025 1-01 12/27/202 II) N/A (DI) 97 Jun-24 7 Jan 24 |
| 0H 7.00a 7.13 s.u. ±0.1 s.u. μs.u. ±0.1 s.u. μs.u. | 7-01 3/14/2025 1-02 2/21/2025 1-01 12/27/202 II) N/A (DI) 97 Jun-24 7 Jan 24 |
| 0H 7.00a 7.13 s.u. ±0.1 s.u. yes 7.01 MSI 02303 0H 10.00a 0.68 s.u. ±0.1 s.u. yes | 1-02 2/21/2025 1-01 12/27/202 II) N/A (DI) 97 Jun-24 7 Jan 24 |
| aH 10.00a s.u. ±0.1 s.u. γes MSI 0223e aC Zero (DI) μs/cm 0<25 μs/cm | 1-01 12/27/202 II) N/A (DI) 97 Jun-24 7 Jan-24 |
| CC Zero (DI) | I) N/A (DI) 97 Jun-24 7 Jan 24 |
| SC 2000 μS/cm ±5% μS/cm ±5% μS/cm ±5% μS/cm μS/cm ±5% μS/cm μ | 97 Jun-24 7 Jan-24 |
| DRP 35 mV ±15 mV 70-8 70 70 70 70 70 70 70 7 | 7 Jan 24 |
| DO (Zero pt) | |
| O (Saturated) | |
| urbidity (DI) 0,0 NTU <2 NTU 2465 NO N/A Pace Labs N/A (I | |
| pprox. every 4 hrs, unless only one well | |
| | 1, 11,7. (51) |
| ICV (Initial Calibration Verification) Time: 10.15 | |
| | t# Exp. |
| 14.00b 3.93 s.u. ±0.15 s.u. P None Geotech 3GB10 | |
| H7.00b 6.91 s.u. ±0.15 s.u. P None Geotech 2GF11 | |
| H 10.00b 0 0 13 S.u. ±0.15 s.u. P None Geotech 3GA1 | |
| 2 1000 $\frac{1010}{100}$ $\frac{15}{100}$ $\frac{15}{1$ | |
| pprox. every 4 hrs, unless only one well | Aug-24 |
| CV (Continued Calibration Verification): Time: 14 ! 451 | |
| | t# Exp. |
| 14.00a 3.43 s.u. ±0.1 s.u. P No N/A MSI 02306 | |
| H 7.00a 7.01 S.u. ±0.1 s.u. P No N/A MSI 02305 | |
| H 10.00a 0.00 s.u. ±0.1 s.u. P No NA MSI 0236 | |
| C 1000 987 µS/cm ±5% P NO NA Ricca 4209A | |
| | |
| urbidity (DI) 0.0 NTU <2 NTU P No N/A Pace Labs N/A (I | 8049 8/26/2025 N/A (DI) |
| oprox. every 4 hrs, unless only one well | I) N/A (DI) |
| CV (Continued Calibration Verification): Time: | |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lo | # Exp. |
| 00a s.u. ±0.1 s.u. / MSI 02306 | |
| 00a s.u. ±0.1 s.u. MSI 02305 | |
| 0.00a s.u. ±0.1 s.u. MSI 02236 | |
| 1000 μS/cm ±5% Ricca 4209A | |
| | 8049 8/26/2025 |
| rbidity (DI) NTU <2 NTU Pace Labs N/A (I | |
| omments: | IN/A (DI) |
| | |
| Signature: Bohannan Date: 01/25/24 | |

| pH 7.00a s.u. ±0.1 s.u. MSI 023051-02 2/21/2025 | | iviuit | ipar | ameter i | viet | eı | riela C | aı | ibration | Cneckiis | τ | |
|--|-------------------|--------------------|---------|--------------|------|-------|-------------|----------|------------------|--------------|------------|------------|
| Multiparameter Water Meter Make: Herrifou Model: Serial Number: PWG + 7D | Field Personnel: | Austin | Mo | | | | Location | n: / | Duck Cre | ek | | |
| Model: | Weather: | 37-32 0 | oud) | | | | Environment | t: 5 | SNOW, MUC | ļ | | |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. | Multiparamete | r Water Meter | Make: | Herriba | Mo | del: | U-5000 | 1 | Serial Number | PW26Y | 703 | |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. PH 4.00a | Water Lev | el Meter | Make: | WT | Mo | del: | Heron | | | | | HB |
| ### 10.00 | Buffer | Check Value | Units | Range | Pass | /Fail | Calibrate? | 1 | Adjusted Reading | | | |
| M3 023051-02 2/21/2025 | H 4.00a | 4.02 | s.u. | ±0.1 s.u. | P | | N | | NA | MSI | 023067-01 | - |
| MI 0.00a | H 7.00a | 3.04 | s.u. | ±0.1 s.u. | | | 1 | | 1 | MSI | 023051-02 | |
| Sc Zero (D) | pH 10.00a | 9.99 | s.u. | ±0.1 s.u. | | | | | | | | + |
| Sc 2000 2 | SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | | | | 1 | | | | |
| DRP | SC 2000 | 2020 | | ±5% | | | | | | | | - |
| DO (Zero pt) Mg/L | ORP | 243 | mV | ±15 mV | | | | | | | | |
| DO (Saturated) O | DO (Zero pt) | 0,0 | mg/L | ±0.1 | | | | | | | | |
| Turbidity (DI) | OO (Saturated) | 99,4 | | 97-100% | | | | 1 | 1 | | | - |
| CV (Initial Calibration Verification) | urbidity (DI) | 8.0 | NTU | <2 NTU | 1 | | 1 | 1 | | | | |
| Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Exp. | Approx. every 4 h | rs, unless only or | ne well | | | | | | | | , , , , , | 1 7 |
| Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Exp. | ICV | (Initial Calibr | ation V | erification) | | | Time | . 1 | 1914 | 1 | | |
| H 4.00b | | | _ | | Dacc | /Eail | | | VII | Manufactures | 1 +44 | - |
| H 7.00b | | | _ | | Fass | raii | ACII | J | lakenr | | | - |
| H 10.00b | | - U | | | 1 | | - | <u> </u> | | - | - | |
| Color | | 1.6.4 | | | + | _ | | - | | | | |
| Aug. 24 Aug. | | 1010 | | | + 1 | - | | | | | | |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. | | re unless only or | | 1376 | | _ | | | | Ricca | 4209A12 | Aug-24 |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. | | | | | | | | 1 | roa | 7 | | |
| H 4.00a | | -35 | | ation): | _ | _ | | 1 | 1 0 | | | |
| Solid Sol | | 4 | Units | | Pass | /Fail | | 1 | Adjusted Reading | Manufacturer | Lot# | Exp. |
| Substitution Sub | | 4,06 | s.u. | ±0.1 s.u. | F | | V | | ALIA | MSI | 023067-01 | 3/14/2025 |
| SC 1000 | | TING | s.u. | ±0.1 s.u. | 1 | | | | 1 | MSI | | 2/21/2025 |
| Macron M | | 10,08 | _ | ±0.1 s.u. | | | | | | MSI | 022361-01 | 12/27/2024 |
| Turbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A | | 770 | | ±5% | | | | 1 | | Ricca | 4209A12 | Aug-24 |
| Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. 1.00a s.u. ±0.1 s.u. MSI 023067-01 3/14/2025 1.00a s.u. ±0.1 s.u. MSI 023051-02 2/21/2025 1.000a s.u. ±0.1 s.u. MSI 023051-02 2/21/2025 1.000 s.u. ±0.1 s.u. MSI 023051-01 12/27/2025 1.000 ps/cm ±5% Ricca 4209A12 Aug-24 1.000 (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2025 1.000 NTU <2 NTU Pace Labs N/A (DI) N/A (DI) | | 0.0 | | | 11 | - | | 1 | | Macron | #000228049 | 8/26/2025 |
| Dec Continued Calibration Verification Time: Time: Superior Continued Calibration Verification Time: Superior Continued Calibration Continued Calibra | - 11 | 0.0 | | <2 NTU | 4 | | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. 0.00a s.u. ±0.1 s.u. MSI 023067-01 3/14/2025 0.00a s.u. ±0.1 s.u. MSI 023051-02 2/21/2025 0.00a s.u. ±0.1 s.u. MSI 02361-01 12/27/2026 0.0 1000 μS/cm ±5% Ricca 4209A12 Aug-24 0.0 (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2025 Turbidity (DI) NTU <2 NTU | | | | | | | * | | | , | | |
| S.U. ±0.1 s.U. MSI 023067-01 3/14/2025 | CCV (Continue | d Calibration | Verific | ation): | | | Time | : | | | | |
| 3.00a S.u. ±0.1 s.u. MSI 023067-01 3/14/2025 3.00a S.u. ±0.1 s.u. MSI 023051-02 2/21/2025 3.00a S.u. ±0.1 s.u. MSI 023051-02 2/21/2025 3.00a S.u. ±0.1 s.u. MSI 022361-01 12/27/2026 3.00a S.u. ±0.1 s.u. MSI 022361-01 12/27/2026 3.00a S.u. ±0.1 s.u. MSI 022361-01 12/27/2026 3.00a S.u. ±0.1 s.u. MSI 023051-02 2/21/2025 4.00a S.u. ±0.1 s.u. MSI 023051-02 2/21/2025 5.00a S.u. ±0.1 s.u. MSI 023051-02 2/21/2025 6.00a S.u. ±0.1 s.u. MSI 023051-02 2/21/2025 6.00a S.u. ±0.1 s.u. MSI 023051-02 2/21/2025 6.00a S.u. ±0.1 s.u. MSI 023051-02 2/ | Buffer | Check Value | Units | Range | Pass | /Fail | Calibrate? | 1 | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 3.00a S.u. ±0.1 s.u. MSI 023051-02 2/21/2025 5.00a S.u. ±0.1 s.u. MSI 022361-01 12/27/2020 5.00c S.u. ±0.1 s.u. MSI 022361-01 12/27/2020 6.00c C1000 μS/cm ±5% Ricca 4209A12 Aug-24 7.00a S.u. ±0.1 s.u. MSI 022361-01 12/27/2020 7.00a S.u. ±0.1 s.u. MSI 022361-01 12/27/2020 8.00c C1000 μS/cm ±5% Ricca 4209A12 Aug-24 9.00c C2ero pt Macron #000228049 8/26/2025 9.00c C2ero pt NTU Pace Labs N/A (DI) N/A (DI) 9.00c N/A (DI) N/A (DI) N/A (DI) 9.00c N/A (DI) N/A (DI) N/A (DI) 9.00c N/A (DI) N/A (DI) | I.00a | 1 | s.u. | | V | | 1 | | 1 | - | | |
| 0.00a S.u. ±0.1 s.u. MSI 022361-01 12/27/2020 | .00a | 1 | s.u. | ±0.1 s.u. | 1 | | 1 | | | | | |
| CC 1000 μS/cm ±5% Ricca 4209A12 Aug-24 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2025 Furbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A (DI) | | | | | 1 | - | 1 | 10 | 1 | | | |
| 00 (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2025 urbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A (DI) | | 1 | | | 1 | | 1 | | 1 | | | |
| urbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A (DI) | | 1 | | | | | 1 | | 1 | | | |
| Trans Land Transfer International | | | | | | 1 | 1 | 1 | 1 | | | - |
| | Comments: | 1 | | | | | | | | | 1.17.17 | IN TO I |
| Signature: Curin M Date: 29-Jan-24 | Signature: | Hiran | m | | | | Date | | 79-T | 2-24 | | |

| Weather: 1/3 - 30 | Field Personnel: | fordan | 30ha | nnan | | Location: | Duck Cre | ek | | |
|--|------------------|-------------------|----------|--------------|-------------|--------------|-------------------|--------------|--------------|------------|
| Multiparameter Water Meter Make: | Weather: | | | | wind | Environment: | mud slus | sh, snow, | sce | |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# DH 4.00a 3.49 s.u. ±0.1 s.u. Poss No N/A MSI 0.23051-02 2/23 DH 10.00a 10.07 s.u. ±0.1 s.u. Poss No N/A MSI 0.23051-02 2/23 DH 10.00a 10.07 s.u. ±0.1 s.u. Poss NO N/A MSI 0.22361-01 12/2 SC Zero (DI) 0.07 µS/cm 0x25 µS/cm Poss NO N/A Pace Labs N/A (DI) N/A SC Zero (DI) 0.07 µS/cm 0x25 µS/cm Poss NO N/A Pace Labs N/A (DI) N/A SC Zero (DI) 0.07 µS/cm 0x25 µS/cm Poss NO N/A Pace Labs N/A (DI) N/A SC Zero (DI) 0.07 mg/L ±0.1 Poss NO N/A Pace Labs N/A (DI) N/A Pace Labs N/A (DI) N/A Poss NO N/A Pace Labs N/A (DI) | Multiparameter | | | / | | U-5000 | | | | |
| PH 4.00a 3.94 S.J. ±0.1 S.J. Post No | Water Lev | el Meter | Make: | Heron | Model: | Dipper T | Serial Number: | 19FF all | 11192 HB | |
| pH 4.00a 3.9H s.u. ±0.1 s.u. Pos No N/A MSI 023067-01 3/14 pH 7.00a 6.2 15 s.u. ±0.1 s.u. Foll Yes 7.00 MSI 023067-01 3/14 pH 7.00a 1/3 s.u. ±0.1 s.u. Foll Yes 7.00 MSI 023067-01 12/2 pm 110.00a 1/3 s.u. ±0.1 s.u. Pos No N/A MSI 023067-01 12/2 SC Zero (DI) 0.00 µS/cm 0<25 µS/cm Pos No N/A Pace Labs N/A (DI) N/A SC 2000 30 H0 µS/cm ±5% Pos No N/A Geotech 3GF1197 Jun-DO (Zero pt) 0.00 mg/L ±0.1 Pos No N/A Macron #000228049 8/26 DO (Saturated) 97 15 Pos No N/A Pace Labs N/A (DI) N/A Approx. every 4 hrs, unless only one well TCV (Initial Calibration Verification) Time: 10 1 | Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 7.00a | pH 4.00a | 3.94 | s.u. | | Par | No | NA | MSI | | 3/14/2025 |
| Description | pH 7.00a | 6.75 | s.u. | ±0.1 s.u. | - | | | MSI | | 2/21/2025 |
| SC Zero (DI) | pH 10.00a | | s.u. | ±0.1 s.u. | | | | MSI | | 12/27/202 |
| SC 2000 3 0 4 0 12 km 15 km 15 km 10 km | SC Zero (DI) | | | 0<25 uS/cm | | No | | | - | N/A (DI) |
| ORP 3-14 mV ±15 mV Desc N/A InSitu 3GI1011 Jun-DO (Zero pt) O.00 mg/L ±0.1 Pass No N/A Macron #000228049 8/26 DO (Saturated) 98.5% % 97-100% Dos No N/A Pace Labs N/A (DI) N/A Turbidity (DI) NTU <2 NTU Pass No N/A Pace Labs N/A (DI) N/A Approx. every 4 hrs, unless only one well | | | | | | | | | - | Jun-24 |
| DO (Zero pt) | | | | | | | | | - | Jun-24 |
| DO (Saturated) | | | | | 12 | | | | | 8/26/2025 |
| Turbidity (DI) | | | 1 | | 16.1 | | N/A | | - | N/A (DI) |
| Approx. every 4 hrs, unless only one well ICV (Initial Calibration Verification) Time: \(\textit{O} \) \(\textit{U} \) Action Taken? Manufacturer Lot# | | | - | | | Ma | | | | |
| CV (Initial Calibration Verification) Time: Q9:449 | | 11.00 | | NZ INTO | 10-55 | 1/40 | 147 | race Labs | N/A (DI) | N/A (DI) |
| Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# pH 4.00b 3.87 s.u. ±0.15 s.u. ±0.15 s.u. Page None Geotech 3GB1049 Feb- pH 7.00b 6.35 s.u. ±0.15 s.u. Page None Geotech 2GF113 Jun- pH 10.00b 10.07 s.u. ±0.15 s.u. £0.55 None Geotech 3GA1134 Jan- sC 1000 976 μS/cm ±5% Pag5 None Ricca 4209A12 Aug- Approx. every 4 hrs, unless only one well | | | | orification) | _ | | ACH | | | |
| Section Sec | | | 1 1 | | 1 | | | | | |
| PH 7.00b | | | | | | | n Taken? | Manufacturer | Lot# | Exp. |
| PH 10.00b 10 0 4 S. u. | | | s.u. | | Pass | | | Geotech | 3GB1049 | Feb-25 |
| Sc 1000 976 μS/cm ±5% βα≤5 None Ricca 4209A12 Aug-Approx. every 4 hrs, unless only one well | pH 7.00b | | s.u. | ±0.15 s.u. | Pass | None | | Geotech | 2GF113 | Jun-24 |
| Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# pH 4.00a 3.96 s.u. ±0.1 s.u. P M MSI 023051-02 2/21 pH 10.00a s.u. ±0.1 s.u. P M MSI 023051-02 2/21 pH 10.00a s.u. ±0.1 s.u. P M MSI 02361-01 12/2 SC 1000 qq µs/cm ±5% P Np MA Ricca 4209A12 Aug- DO (Zero pt) MTU <2 NTU P M MAcron #000228049 8/26 Turbidity (DI) NTU <2 NTU P M MSI 023051-02 2/21 Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# 4.00a s.u. ±0.1 s.u. MSI 023067-01 3/14 7.00a s.u. ±0.1 s.u. MSI 023067-01 3/14 7.00a s.u. ±0.1 s.u. MSI 023051-02 2/21 10.00a s.u. ±0.1 s.u. MSI 023051-02 1/2/2 10.00a s.u. ±0.1 s.u. MSI 023067-01 1/2/2 10.00a s.u. ±0.1 s.u. MSI 0230 | | | _ | ±0.15 s.u. | | None | | Geotech | 3GA1134 | Jan-25 |
| Time: 1/3.35 Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# | | | | ±5% | Pass | None | | Ricca | 4209A12 | Aug-24 |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# pH 4.00a 3.96 s.u. ±0.1 s.u. P MSI 023067-01 3/14 pH 7.00a 5.97 s.u. ±0.1 s.u. P MSI 023051-02 2/21 pH 10.00a | | | | | | | | | | |
| pH 4.00a 3.% s.u. ±0.1 s.u. P MSI 023067-01 3/14 pH 7.00a | CCV (Continue | d Calibration | Verifica | ation): | | Time: | 14:35 | | | |
| Dec 100 | Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 7.00a b 1/7 s.u. ±0.1 s.u. Wo MSI 023051-02 2/21 pH 10.00a s.u. ±0.1 s.u. P MSI 02361-01 12/2 SC 1000 q 2 2 μS/cm ±5% No MA Ricca 4209A12 Aug- DO (Zero pt) mg/L ±0.1 mg/L No MA Macron #000228049 8/26 Turbidity (DI) NTU <2 NTU | pH 4.00a | 3.48 | s.u. | ±0.1 s.u. | P | Na | NIA | MSI | 023067-01 | 3/14/2025 |
| Su | pH 7.00a | 6.97 | s.u. | ±0.1 s.u. | P | No | 1)/A | MSI | | 2/21/2025 |
| SC 1000 Q | pH 10.00a | | s.u. | ±0.1 s.u. | D | | | | | 12/27/2024 |
| DO (Zero pt) mg/L ±0.1 mg/L W. M/A Macron #000228049 8/26 | SC 1000 | | - | | P | | | | | Aug-24 |
| Turbidity (DI) | DO (Zero pt) | | _ | | P | | | | | 8/26/2025 |
| Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# 4.00a s.u. ±0.1 s.u. MSI 023067-01 3/14 7.00a s.u. ±0.1 s.u. MSI 023051-02 2/21 10.00a s.u. ±0.1 s.u. MSI 022361-01 12/2 10.00a s.u. ±0.1 s.u. MSI 022361-01 12/2 10.00a μs/cm ±5% Ricca 4209A12 Aug- 100 (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26 10 (Iurbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A | | 0.0 | | | P | N | MIA | | | N/A (DI) |
| CCV (Continued Calibration Verification): Time: | | s, unless only or | | | | | 14// | | 1477 (2.1) | 14//(5.1/ |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# 4.00a s.u. ±0.1 s.u. MSI 023067-01 3/14 7.00a s.u. ±0.1 s.u. MSI 023051-02 2/21 10.00a s.u. ±0.1 s.u. MSI 022361-01 12/2 SC 1000 μS/cm ±5% Ricca 4209A12 Aug- DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26 Turbidity (DI) NTU <2 NTU | | | | ation): | | Time: | | | | |
| 4.00a S.u. ±0.1 s.u. MSI 023067-01 3/14 7.00a S.u. ±0.1 s.u. MSI 023051-02 2/21 10.00a S.u. ±0.1 s.u. MSI 02361-01 12/2 8C 1000 μS/cm ±5% Ricca 4209A12 Aug- DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26 Turbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A 10.00a S.u. ±0.1 s.u. MSI 023061-01 12/2 10.00a S.u. ±0.1 s.u. MSI 023051-02 2/21 10.00a S.u. ±0.1 s.u. MSI 023051-02 | | | 1 | | Pacc/Fail | | Adjusted Reading | Manufacturer | Lot# | Evn |
| 5.00 S.u. ±0.1 s.u. MSI 023051-02 2/21 | | CITCUR VAIGE | | | 1 033/1 dil | calibrate: | Aujusteu Keauling | | | Exp. |
| 10.00a S.u. ±0.1 S.u. MSI 022361-01 12/2 SC 1000 μS/cm ±5% Ricca 4209A12 Aug- DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26 Turbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A | | - | | | 1 | 1 | - | | | 3/14/2025 |
| SC 1000 μS/cm ±5% Ricca 4209A12 Aug- DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26 Turbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A | | -/ | | | - | / | / | | | 2/21/2025 |
| DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26 Turbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A | | 1 | | | / | / | -/ | | | 12/27/2024 |
| Turbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A | | - | | | 1 | / | / | | | Aug-24 |
| Comments: ORP Taken at 19.05°C | | 1 | | | 1 | / | / | | 11127 1221 2 | 8/26/2025 |
| | Comments: | Ptaken at | | C | <i>y</i> | | , | Pace Labs | N/A (DI) | N/A (DI) |
| | | A D | | | | | 21/21/ | | | |
| Signature: 30 hannon Date: 01/26/2002 2024 | C' | 31 1 5 | in a | 101ml | | Data | 171/96/900C | L 0 4000 | | |

y13 1/26

| Field Personnel: | H | | | | Location: | Durch CNA | NA | | |
|--------------------------|-------------------|----------|--------------|-----------|--------------|------------------|--------------|------------|----------------|
| Weather: | 320-167 | St. Co | 18 James | NE | Environment: | STOW N | 100 m. | vf | |
| Multiparameter | | Make: | Horiba | Model: | V-5000 | Serial Number: | ^ | 4XG | |
| Water Lev | el Meter | Make: | Heron | Model: | 0:000 | Serial Number: | 371 | ーて | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 3.84 | s.u. | ±0.1 s.u. | F | Yes | 4,00 | MSI | 023067-01 | 3/14/2025 |
| pH 7.00a | 7.10 | s.u. | ±0.1 s.u. | P | NO | NIA | MSI | 023051-02 | 2/21/2025 |
| pH 10.00a | 10.02 | s.u. | ±0.1 s.u. | P | NO | | MSI | 022361-01 | 12/27/202 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | P | NO | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2030 | μS/cm | ±5% | P | 1 | | Geotech | 3GF1197 | Jun-24 |
| ORP | 242 | mV | ±15 mV | F | | | InSitu | 3GI1011 | Jun-24 |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 | P | 100 | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 100% | % | 97-100% | 6 | | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | P | | - | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 hr | | | | | | | T dec Edb3 | IN/A (DI) | ויין א (טון |
| | (Initial Calibi | | orification\ | | Time | 10-0 | Y | | |
| 1 | | 1 | | _ | Time: | 1030 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | 3.99 | s.u. | ±0.15 s.u. | 10 | NO | | Geotech | 3GB1049 | Feb-25 |
| pH 7.00b | 696 | s.u. | ±0.15 s.u. | P | No | | Geotech | 2GF113 | Jun-24 |
| pH 10.00b | 10,02 | s.u. | ±0.15 s.u. | 0 | NO | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 1010 | μS/cm | ±5% | 1 | NO | | Ricca | 4209A12 | Aug-24 |
| Approx. every 4 hr | s, unless only or | ne well | | 1 | | | | | |
| CCV (Continue | d Calibration | Verifica | ation): | | Time: | 1410 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Evn |
| pH 4.00a | W.OK | s.u. | ±0.1 s.u. | P | No | Adjusted Reduing | MSI | 023067-01 | Exp. 3/14/2025 |
| pH 7.00a | 706 | s.u. | ±0.1 s.u. | 1, | NO | | MSI | 023051-02 | 2/21/2025 |
| pH 10.00a | 10203 | s.u. | ±0.1 s.u. | | No | | MSI | 023031-02 | 12/27/2023 |
| SC 1000 | 10 30 | μS/cm | ±5% | | NO | _ | Ricca | 4209A12 | |
| DO (Zero pt) | 0-07 | mg/L | ±0.1 mg/L | | NO | | Macron | | Aug-24 |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | + | 110 | | Pace Labs | #000228049 | 8/26/2025 |
| Approx. every 4 hr. | | | 121110 | | 100 | | race Labs | N/A (DI) | N/A (DI) |
| CCV (Continue | | | ation): | | Time: | | | | |
| | Check Value | V | | To 75 11 | | | | | |
| | Check value | | Range | Pass/Fail | Calibrate? | Adjusted Reading | | Lot# | Exp. |
| 4.00a | -/ | s.u. | ±0.1 s.u. | / | / | - | MSI | 023067-01 | 3/14/2025 |
| 7.00a | -/ | s.u. | ±0.1 s.u. | / | / | - | MSI | 023051-02 | 2/21/2025 |
| 10.00a SC 1000 | 1 | s.u. | ±0.1 s.u. | 1 | / | | MSI | 022361-01 | 12/27/2024 |
| | / | μS/cm | ±5% | 1 | | | Ricca | 4209A12 | Aug-24 |
| DO (Zero pt) | / | mg/L | ±0.1 mg/L | / | | 1 | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) Comments: | / | NTU | <2 NTU | 1 | / | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| | | _ | | | | | | | |

| pH 7.00a pH 7.00a pH 10.00a SC Zero (DI) SC 2000 DRP DO (Zero pt) DO (Saturated) Furbidity (DI) Approx. every 4 hrs. | Water Meter | Make: Make: Units s.u. s.u. μS/cm μS/cm mV | Hero N Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 µS/cm | Model: Model: Pass/Fail | dipper-T | SNOW/MI | PW 264 | 4N) ND3 220930 | SML |
|---|--|--|--|-------------------------|------------|------------------|--------------|----------------------|---------------------|
| Water Leve Buffer pH 4.00a pH 7.00a pH 10.00a SC Zero (DI) SC 2000 ORP DO (Zero pt) DO (Saturated) Furbidity (DI) Approx. every 4 hrs. | Water Meter Check Value | Make: Make: Units s.u. s.u. μS/cm μS/cm mV | Hero N Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 µS/cm | Model: | dipper-T | Serial Number | PW 264 | JD3 | SML |
| Buffer oH 4.00a oH 7.00a oH 10.00a oH 10.00a SC Zero (DI) SC 2000 DRP DO (Zero pt) DO (Saturated) Furbidity (DI) Approx. every 4 hrs. | Check Value 3,91 | Make: Units s.u. s.u. s.u. µS/cm µS/cm mV | Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 μS/cm | | dipper-T | Serial Number | IIFF: | 220930 | SML |
| oH 4.00a oH 7.00a oH 10.00a oH 20.00a oC Zero (DI) oC 2000 oRP oO (Zero pt) oO (Saturated) urbidity (DI) opprox. every 4 hrs. | 3.91 6.94 9.0 1.99 1.99 1.99 1.0 98.1 | s.u. s.u. s.u. µS/cm µS/cm | #0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 µS/cm | Pass/Fail | | Adjusted Reading | Manufacturer | | 1 ML |
| oH 7.00a oH 10.00a oH 10.00a oC Zero (DI) oC 2000 oDRP oO (Zero pt) oO (Saturated) outpidity (DI) opprox. every 4 hrs. | 1,94 9,0 1,94 1,99 1,99 1,0 98,1 | s.u. s.u. µS/cm µS/cm mV | ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 µS/cm | | N | 1 | | Lot# | Exp. |
| H 10.00a C Zero (DI) C 2000 RP O (Zero pt) O (Saturated) arbidity (DI) pprox. every 4 hrs. | 7,97 1990 154 100 98,1 | s.u. µS/cm µS/cm mV | ±0.1 s.u. 0<25 μS/cm | | | N | MSI | 023067-01 | 3/14/2025 |
| C Zero (DI) C 2000 RP O (Zero pt) O (Saturated) Irbidity (DI) Oprox. every 4 hrs. | 7,97 1990 154 100 98,1 | μS/cm μS/cm mV | 0<25 μS/cm | | | | MSI | 023051-02 | 2/21/2025 |
| 2000 RP D (Zero pt) D (Saturated) rbidity (DI) prox. every 4 hrs. | 254 0.0 98,1 | μS/cm mV | 0<25 μS/cm | | | | MSI | 022361-01 | 12/27/2024 |
| C 2000 RP O (Zero pt) O (Saturated) Irbidity (DI) Oprox, every 4 hrs, | 254 0.0 98,1 | μS/cm mV | | | | | Pace Labs | N/A (DI) | N/A (DI) |
| RP D (Zero pt) D (Saturated) Irbidity (DI) Iprox. every 4 hrs. | 98, 1 | mV | ±5% | | | | Geotech | 3GF1197 | Jun-24 |
| O (Saturated) rbidity (DI) prox. every 4 hrs, | 98, 1 | | ±15 mV | | | | InSitu | 3GD927 | Jun-24 |
| D (Saturated) Irbidity (DI) Oprox. every 4 hrs, | | mg/L | ±0.1 | | | | Macron | #000228049 | |
| pprox. every 4 hrs. | | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| | K/M/ | NTU | <2 NTU | 1 | N | N | Pace Labs | N/A (DI) | N/A (DI) |
| ICV (| , unless only or | e well | | | | | | 1.4.1 (201) | Tidy/Dil |
| | Initial Calibr | ation V | erification) | | Time: | 1030 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Actio | n Taken? | Manufacturer | Lot# | Exp. |
| 4.00b 3 | 1.98 | s.u. | ±0.15 s.u. | P | NA | | Geotech | 3GB1049 | Feb-25 |
| | 201 | s.u. | ±0.15 s.u. | | | | Geotech | 2GF113 | Jun-24 |
| | 8,02 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| 1000 | 1010 | μS/cm | ±5% | + | NA | | Ricca | 4209A12 | Aug-24 |
| prox. every 4 hrs, | , unless only on | e well | | | 1.6. | | | 1205/122 | WAR-TH |
| CV (Continued | Calibration | Verific | ation): | | Time: | 1700 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Firm |
| 14.00a | 4.03 | s.u. | ±0.1 s.u. | P | Λ/ | N N | MSI | 023067-01 | Exp. |
| | 95 | s.u. | ±0.1 s.u. | * | 1 | 1 | MSI | 023051-02 | 3/14/2025 |
| | 097 | s.u. | ±0.1 s.u. | P | | | MSI | 023051-02 | 2/21/2025 |
| | ØIØ | μS/cm | ±5% | P | | | Ricca | 4209A12 | 12/27/2024 |
| (Zero pt) | 0 | mg/L | ±0.1 mg/L | P | | | Macron | | Aug-24 8/26/2025 |
| rbidity (DI) | 0 | NTU | <2 NTU | P | N | N | Pace Labs | N/A (DI) | N/A (DI) |
| prox. every 4 hrs, | unless only on | e well | | | P | la la | T due Edis | N/A (DI) | IV/A (DI) |
| V (Continued | Calibration | Verifica | ation): | | Time: | | | | |
| | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 00a | | s.u. | ±0.1 s.u. | | / | / / | MSI | | 3/14/2025 |
| Oa 💮 | | s.u. | ±0.1 s.u. | 1 | / | / | MSI | | 2/21/2025 |
| 00a | / | s.u. | ±0.1 s.u. | / | / | | MSI | | 12/27/2024 |
| 1000 | / | μS/cm | ±5% | / | / | | Ricca | | Aug-24 |
| (Zero pt) | | mg/L | ±0.1 mg/L | / | / | / | Macron | | 8/26/2025 |
| bidity (DI) | | NTU | <2 NTU | / | / | | Pace Labs | | N/A (DI) |
| mments: | | | · · | | - | / | , Dec Editio | (וון און און | N/A (DI) |

| | Mult | tipar | ameter N | /leter | Field Co | alibration | Checklis | t | |
|--------------------|-------------------|----------|--------------|------------|--------------|-------------------|--------------|------------|------------------------|
| Field Personnel: |) | of 1 | red | | Location: | Duck | CCOL | K | |
| Weather: | Clove | 14 | 35-380 | F | Environment: | Foras | Tw.et | 1. | |
| Multiparameter | Water Meter | Make: | Horida | Model: | U5900 | Serial Number: | YLak | (79 H | 4 |
| Water Lev | el Meter | Make: | Solvist | Model: | Mode | Serial Number: | 33459 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lo# | Exp. |
| pH 4.00a | 4.00 | s.u. | ±0.1 s.u. | D | 1/ | 1 | MSI | 023067-01 | 3/14/2025 |
| pH 7.00a | 7.01 | s.u. | ±0.1 s.u. | 1 | 7 | | MSI | 023051-02 | 2/21/2025 |
| pH 10.00a | 10,04 | s.u. | ±0.1 s.u. | | | | MSI | 022361-01 | 12/27/2024 |
| SC Zero (DI) | 1001 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2040 | μS/cm | ±5% | | | | Geotech | 3GF1197 | Jun-24 |
| ORP | 743 | mV | ±15 mV | 11 | | | InSitu | 3GI1011 | Jun-24 Jun-24 |
| DO (Zero pt) | 001 | mg/L | ±0.1 | | | | Macron | #000228049 | + |
| DO (Saturated) | 981 | % | 97-100% | | | 1 | Pace Labs | | <u> </u> |
| Turbidity (DI) | 01 | NTU | <2 NTU | 1 | | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 hr | s unless only or | | 121110 | | | | Tace Labs | N/A (DI) | N/A (DI) |
| | | | orification) | | | : ~ ! | 1 | | |
| | (Initial Calibr | 1 | erification) | | Time: | 0.15 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Actio | n Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | 4.01 | s.u. | ±0.15 s.u. | P | | 4 | Geotech | 3GB1049 | Feb-25 |
| pH 7.00b | 6 98 | s.u. | ±0.15 s.u. | | | | Geotech | 2GF113 | Jun-24 |
| pH 10.00b | 9.98 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 9 96 | μS/cm | ±5% | | 4 | | Ricca | 4209A12 | Aug-24 |
| Approx. every 4 hr | s, unless only on | ie well | | | | | | | |
| CCV (Continue | d Calibration | Verifica | ation): | | Time: | 1507 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Fun |
| pH 4.00a | 4.05 | s.u. | ±0.1 s.u. | 4 | A/ | ajusteu neaung | MSI | 023067-01 | Exp. 3/14/2025 |
| pH 7.00a | 7.0% | s.u. | ±0.1 s.u. | 1 | - /4 | 1 | MSI | 023057-01 | 2/21/2025 |
| pH 10.00a | 10.02 | s.u. | ±0.1 s.u. | | | 1 | MSI | 023051-02 | |
| SC 1000 | 1000 | μS/cm | ±5% | | | | Ricca | 4209A12 | 12/27/2024 |
| DO (Zero pt) | 0 01 | mg/L | ±0.1 mg/L | | | 1 | Macron | | Aug-24 |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | | 4 | 1 | Pace Labs | | 8/26/2025 |
| Approx. every 4 hr | 100 | | 121110 | 7 | | | Vace Laus | N/A (DI) | N/A (DI) |
| CCV (Continue | | | ation): | | Time: | | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 4.00a | / | s.u. | ±0.1 s.u. | r ass, ran | - combrute. | ridjusted Redding | MSI | 023067-01 | |
| 7.00a | / | s.u. | ±0.1 s.u. | 1 | / | / | MSI | 023051-02 | 3/14/2025 2/21/2025 |
| 10.00a | / | s.u. | ±0.1 s.u. | / | / | / | MSI | 023051-02 | |
| SC 1000 | / | μS/cm | ±5% | / | / | | Ricca | | 12/27/2024 |
| DO (Zero pt) | / | mg/L | ±0.1 mg/L | / | - | - | | 4209A12 | Aug-24 |
| Turbidity (DI) | 1 | | <2 NTU | / | / | - | Macron | #000228049 | 8/26/2025 |
| Comments: | | NTU | <2 NIU | | 1 | | Pace Labs | N/A (DI) | N/A (DI) |
| comments: | _ | | | | | / | 1 | | |
| Signature: | | 1 Dy | I Ru | 1 | Date: | 1/2 | /2 | 9 | |
| | 1 | | | | | | | | |

| Field Personnel: | lindin | Bohou | nnan | | Location: | Duck Cv | pek | | |
|--------------------------|-------------------|------------|---------------|-----------|--------------|------------------|---------------|------------|------------|
| Weather: | 340F, 7mp | hwind, | mostly cloudy | | Environment: | Fog, mud | | | |
| Multiparameter | Water Meter | Make: | Horiba | Model: | U-5000 | Serial Number: | AGJTK4XG | | |
| Water Lev | el Meter | Make: | Heron | Model: | DipperT | Serial Number: | 11FF2209305ML | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| pH 4.00a | 3,98 | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 023067-01 | 3/14/2025 |
| pH 7.00a | 714 | s.u. | ±0.1 s.u. | F | Yes | 7.00 | MSI | 023051-02 | 2/21/2025 |
| oH 10.00a | 10,34 | s.u. | ±0.1 s.u. | F | Yes | 10.07 | MSI | 022361-01 | 12/27/202 |
| SC Zero (DI) | 0 | μS/cm | 0<25 μS/cm | P | No | N/A | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 1992 | μS/cm | ±5% | P | No | MA | Geotech | 3GF1197 | Jun-24 |
| ORP | 363★ | mV | ±15 mV | P | No | 11/14 | InSitu | 3GI1011 | Jun-24 |
| DO (Zero pt) | 00 | mg/L | ±0.1 | P | No | MA | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 9706 | % | 97-100% | P | No | NA | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 00 | NTU | <2 NTU | P | Ma | MA | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 hr | - Light | | 121110 | 17 | 1.142 | 11701 | | 1.0,7.(2.) | ,(, |
| | (Initial Calibr | | (orification) | | Times | 09:47 | | | |
| | | | | I. to 1 | | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| oH 4.00b | 3.84 | s.u. | ±0.15 s.u. | F | Cal-> 400 |) | Geotech | 3GB1049 | Feb-25 |
| pH 7.00b | 6.87 | s.u. | ±0.15 s.u. | P | Ivono | | Geotech | 2GF113 | Jun-24 |
| pH 10.00b | 10.10 | s.u. | ±0.15 s.u. | 12 | NoNe | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | <i>994</i> | μS/cm | ±5% | 1 | None | | Ricca | 4209A12 | Aug-24 |
| Approx. every 4 hr | s, unless only or | ne well | | | | | | | |
| CCV (Continue | d Calibration | Verific | ation): | | Time: | 14:49 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 3.96 | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 023067-01 | 3/14/2025 |
| pH 7.00a | 7.07 | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 023051-02 | 2/21/2025 |
| pH 10.00a | 10.02 | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 022361-01 | 12/27/202 |
| SC 1000 | 498 | μS/cm | ±5% | P | No | N/A | Ricca | 4209A12 | Aug-24 |
| DO (Zero pt) | 0.00 | mg/L | ±0.1 mg/L | P | No | NA | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | 0.00 | NTU | <2 NTU | D | No | NA | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 hr | | _ | | 11 | 1110 | 7 07 1 | | 1 | |
| CCV (Continue | | | ation). | | Time: | | | | |
| | Check Value | m: = = = | | Doss/Fail | | Adjusted Reading | Manufacturar | Lot# | Evn |
| | Check value | | | Pass/Fall | Calibrater | Aujusteu Reading | | | Exp. |
| 4.00a | - | s.u. | ±0.1 s.u. | / | / | / | MSI | 023067-01 | 3/14/2025 |
| 7.00a | -/- | s.u. | ±0.1 s.u. | +/ | / | / | MSI | 023051-02 | 2/21/2025 |
| 10.00a | / | s.u. | ±0.1 s.u. | / | / | / | MSI | 022361-01 | 12/27/2024 |
| SC 1000 | / | μS/cm | ±5% | / | / | / | Ricca | 4209A12 | Aug-24 |
| DO (Zero pt) | / | mg/L | ±0.1 mg/L | A | / | / | Macron | | 8/26/2025 |
| Turbidity (DI) Comments: | RPTohin o | NTU ~10 | <2 NTU / | | | | Pace Labs | N/A (DI) | N/A (DI) |
| | | ann | | | | 01/001 | 10000 | | |
| Signature: | 1/ScH | MM | an | | Date: | 01/29/ | 2024 | | |

| Field Personnel: | | | | | Location: | | creek | | |
|--------------------|-----------------|---------|--------------|-----------|--------------|-------------------------|---------------------------------|-------------|-----------|
| Weather: | 350-47 | in w | alove yell | mah | Environment: | | | mu) h | 10015 |
| Multiparamete | | Make: | Hor: be | Model: | V5000 | Serial Number: | s snow, mul word word word word | | |
| Water Lev | el Meter | Make: | Horan | Model: | Dippers | Serial Number: | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| oH 4.00a | 41 | s.u. | ±0.1 s.u. | F | yes | 4.00 | MSI | 023067-01 | 3/14/2025 |
| pH 7.00a | 6.92 | s.u. | ±0.1 s.u. | 6 | 20 | - | MSI | 023051-02 | 2/21/2025 |
| он 10.00а | 992 | s.u. | ±0.1 s.u. | P | No | - | MSI | 022361-01 | 12/27/202 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | P | No | - | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 1940 | μS/cm | ±5% | P | NO | g.Ph. | Geotech | 3GF1197 | Jun-24 |
| ORP | 242 | mV | ±15 mV | P | NO | 000 | InSitu | 3GI1011 | Jun-24 |
| DO (Zero pt) | e):00 | mg/L | ±0.1 | D | NO | - | Macron | #000228049 | - |
| DO (Saturated) | 999 | % | 97-100% | P | NO | 100 | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 8 | NTU | <2 NTU | 0 | 20 | Shr- | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 h | | ne well | | 1 | 1.0 | | , 400 1111 | 1.4711(0.1) | 14//(01/ |
| | (Initial Calibr | | erification) | 1 | Time: | 0331 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| H 4.00b | 4.01 | s.u. | ±0.15 s.u. | 0 | | | Geotech | 3GB1049 | Feb-25 |
| oH 7.00b | 6.89 | s.u. | ±0.15 s.u. | 10 | | | Geotech | 2GF113 | Jun-24 |
| oH 10.00b | 10.03 | s.u. | ±0.15 s.u. | 110 | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 10/0 | μS/cm | ±5% | 10 | | | Ricca | 4209A12 | Aug-24 |
| Approx. every 4 hr | | | 2570 | 1 / | | | Micea | 4203A12 | Aug-24 |
| CCV (Continue | | | ation): | | Time: | 16 20 | f l | | |
| Buffer | | | | D/5-11 | | 1530 | 14 6 | | _ |
| | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| oH 4.00a | 4.03 | s.u. | ±0.1 s.u. | 10 | No | | MSI | 023067-01 | 3/14/2025 |
| OH 7.00a | 7.02 | s.u. | ±0.1 s.u. | 10 | NO | - | MSI | 023051-02 | 2/21/2025 |
| oH 10.00a | 10:08 | s.u. | ±0.1 s.u. | P | 100 | | MSI | 022361-01 | 12/27/202 |
| SC 1000 | 10 20 | μS/cm | ±5% | 10 | NO | | Ricca | 4209A12 | Aug-24 |
| OO (Zero pt) | 0.00 | mg/L | ±0.1 mg/L | 1 | No | - | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | 1 | NO | | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 hr | | | \ | - / | | | | | |
| CCV (Continue | | | | | Time: | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 1.00a | | s.u. | ±0.1 s.u. | | / | / | MSI | 023067-01 | 3/14/2025 |
| 7.00a | / | s.u. | ±0.1 s.u. | | / | | MSI | 023051-02 | 2/21/2025 |
| 0.00a | | s.u. | ±0.1 s.u. | / | | | MSI | 022361-01 | 12/27/202 |
| C 1000 | | μS/cm | ±5% | / | | | Ricca | 4209A12 | Aug-24 |
| OO (Zero pt) | / | mg/L | ±0.1 mg/L | 1 | | / | Macron | #000228049 | |
| urbidity (DI) | / | NTU | <2 NTU / | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Comments: | | | | 2 | | | | | |

| Field Personnel: | AP | | | | Location: | Ducho | veek | | |
|--|-------------------|-------------|---------------------|------------|--------------|------------------|------------------|------------------------|------------|
| Weather: | 37°- 4 | 200 v | Closh NN 11 | mph | Environment: | | mus, | Snow | Woods |
| Multiparameter | Water Meter | Make: | Hur: 60 | Model: | V Soon | Serial Number: | ALJI | MAXI | 5 |
| Water Leve | el Meter | Make: | HUM | Model: | D: April | Serial Number: | 371 | 7-1 | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| oH 4.00a | 3.88 | s.u. | ±0.1 s.u. | 17 | ves | H. 00 | MSI | 023067-01 | 3/14/2025 |
| H 7.00a | 7.06 | s.u. | ±0.1 s.u. | P | No | _ | MSI | 023051-02 | 2/21/2025 |
| H 10.00a | 10.01 | s.u. | ±0.1 s.u. | 10 | NO | ~ | MSI | 022361-01 | 12/27/202 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | 1p | 100 | ~ | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2050 | μS/cm | ±5% | P | 20 | ^ | Geotech | 3GF1197 | Jun-24 |
| ORP | ユブリ | mV | ±15 mV | 187 | 445 | 242 | InSitu | 3GI1011 | Jun-24 |
| OO (Zero pt) | 0000 | mg/L | ±0.1 | 19 | No | - | Macron | | 8/26/2025 |
| OO (Saturated) | 7.8.6 | % | 97-100% | 0 | No | ^ | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | 0 | No | con. | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 hr | s, unless only or | e well | | 1 | | | 24260 | | |
| | (Initial Calibr | | erification) | | Time: | -23 | 2426 | , | |
| | | | | Dans /Fail | | 1012 | B. A | 1 | - |
| Buffer | Check Value | Units | Range | Pass/Fail | Actio | n Taken? | Manufacturer | Lot# | Exp. |
| H 4.00b | 3.04 | s.u. | ±0.15 s.u. | 9 | | - d | Geotech | 3GB1049 | Feb-25 |
| H 7.00b | pins | s.u. | ±0.15 s.u. | 6 | | | Geotech | 2GF113 | Jun-24 |
| H 10.00b | 10.03 | s.u. | ±0.15 s.u. | 1 | | | Geotech | 3GA1134 | Jan-25 |
| C 1000 | 1030 | μS/cm | ±5% | f | - | | Ricca | 4209A12 | Aug-24 |
| Approx. every 4 hr | | | | | | | | | |
| CCV (Continue | d Calibration | Verifica | ation): | | Time: | 1530 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| H 4.00a | 4.03 | s.u. | ±0.1 s.u. | 0 | ~0 | | MSI | 023067-01 | 3/14/2025 |
| H 7.00a | 7.06 | s.u. | ±0.1 s.u. | 10 | No | | MSI | 023051-02 | 2/21/2025 |
| H 10.00a | 10,09 | s.u. | ±0.1 s.u. | 10 | No | • | MSI | 022361-01 | 12/27/2024 |
| C 1000 | 1000 | μS/cm | ±5% | b | No | - | Ricca | 4209A12 | Aug-24 |
| OO (Zero pt) | 0.00 | mg/L | ±0.1 mg/L | 1 | No | - | Macron | #000228049 | 8/26/2025 |
| urbidity (DI) | 010 | NTU | <2 NTU | 10 | No | - | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 hrs | s, unless only or | e well | | , | | | | | |
| CCV (Continue | d Calibration | Verifica | ation): | | Time: | | | | |
| | Check Value | | | Docc/Foil | | Adjusted Reading | Manufacturas | 1 | Free |
| | check value | | | Pass/Fall | Camprater | Adjusted Reading | | | Exp. |
| 1.00a 7.00a | -7 | s.u. | ±0.1 s.u. | 1 | | 1 | MSI | 023067-01 | 3/14/2025 |
| | -/- | s.u. | | 1 | - | - | MSI | 023051-02 | 2/21/2025 |
| 0.00a | / | S.U. | ±0.1 s.u. | 1/ | - | | MSI | 022361-01 | 12/27/2024 |
| C 1000 | 1 | μS/cm | ±5% | 1/ | -/ | 1 | Ricca | 4209A12 | Aug-24 |
| | 1 | | | 1/ | - | 1 | | | 8/26/2025 |
| | (| NIU | <2 N I U | 1/ | 1 | | race Labs | IN/A (DI) | N/A (DI) |
| OO (Zero pt) Furbidity (DI) Comments: Signature: | | mg/L NTU | ±0.1 mg/L <2 NTU | | Date: | 1/30/ | Macron Pace Labs | #000228049 N/A (DI) | |

| Field Personnel: | Austin | Mal | 930 | | Location: | Duck Cre | e k | | | |
|--------------------|--------------------|----------|--------------|-----------|--------------|------------------------|---|------------|------------|--|
| Weather: | - W - 1) | | vind WNW L | lneh | Environment: | Mud | | | | |
| Multiparamete | | Make: | Har!bu | Model: | U5000 | Serial Number: WV683C8 | | | 35 | |
| Water Lev | vel Meter | Make: | Heron | Model: | Dipper | Serial Number: | / | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. | |
| oH 4.00a | 3,96 | s.u. | ±0.1 s.u. | P | N | MA | MSI | 023067-01 | 3/14/2025 | |
| oH 7.00a | 6,66 | s.u. | ±0.1 s.u. | F | Y | 7.00 | MSI | 023051-02 | 2/21/2025 | |
| oH 10.00a | 9.96 | s.u. | ±0.1 s.u. | 0 | N | NIA | MSI | 022361-01 | 12/27/202 | |
| SC Zero (DI) | 8. | μS/cm | 0<25 μS/cm | MAN V = C | | 1 | Pace Labs | N/A (DI) | N/A (DI) | |
| SC 2000 | 1994 | μS/cm | ±5% | | | | Geotech | 3GF1197 | Jun-24 | |
| ORP | 252 | m۷ | ±15 mV | | | | InSitu | 3GD927 | Jan-24 | |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 | | | | Macron | #000228049 | | |
| DO (Saturated) | 98.2 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) | |
| Turbidity (DI) | 11.11 | NTU | <2 NTU | 1 | 1 | - | Pace Labs | N/A (DI) | N/A (DI) | |
| Approx. every 4 hi | rs, unless only on | | | | | | 1 4 6 2 2 4 6 5 | 1471 (51) | IN/A (DI) | |
| | (Initial Calibr | | erification) | | Time: | 1010 | | | | |
| Buffer | Check Value | Units | | Pass/Fail | | n Taken? | Manufactura | 1.40 | - | |
| oH 4.00b | 3,99 | | Range | Pass/rall | | | Manufacturer | Lot# | Exp. | |
| oH 7.00b | 201 | s.u. | ±0.15 s.u. | - 1 | \sim | | Geotech | 3GB1049 | Feb-25 | |
| oH 10.00b | 10.06 | s.u. | ±0.15 s.u. | | 1 | | Geotech | 2GF113 | Jun-24 | |
| SC 1000 | 1020 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 | |
| Approx. every 4 hi | 10 41 | μS/cm | ±5% | - | | | Ricca | 4209A12 | Aug-24 | |
| | | | A1 V | | | 1511 | | | | |
| CCV (Continue | | 1 | | | Time: | 1541 | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. | |
| H 4.00a | 4.03 | 5.U. | ±0.1 s.u. | 10 | N | AW | MSI | 023067-01 | 3/14/2025 | |
| oH 7.00a | 7,806 | s.u. | ±0.1 s.u. | | | / | MSI | 023051-02 | 2/21/2025 | |
| oH 10.00a | 10,01 | s.u. | ±0.1 s.u. | | | | MSI | 022361-01 | 12/27/202 | |
| SC 1000 | 1020 | μS/cm | ±5% | | | | Ricca | 4209A12 | Aug-24 | |
| OO (Zero pt) | 0.0 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 | |
| Turbidity (DI) | 000 | NTU | <2 NTU | - | - | | Pace Labs | N/A (DI) | N/A (DI) | |
| Approx. every 4 hi | | | | | | | | | | |
| CCV (Continue | d Calibration | Verifica | ation): | | Time: | / | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | @alibrate? / | Adjusted Reading | Manufacturer | Lot# | Ехр. | |
| 1.00a | / | s.u. | ±0.1 s.u. | | / / | / | MSI | 023067-01 | 3/14/2025 | |
| 7.00a | / | s.u. | ±0.1 s.u. | | / / | / | MSI | 023051-02 | 2/21/2025 | |
| 10.00a | | s.u. | ±0.1 s.u. | 1 | | / | MSI | 023051-02 | 12/27/2023 | |
| C 1000 | / | μS/cm | ±5% | / | / | 1 | Ricca | 4209A12 | Aug-24 | |
| OO (Zero pt) | 1 | mg/L | ±0.1 mg/L | / | / | / | Macron | | 8/26/2025 | |
| urbidity (DI) | | NTU | <2 NTU | 1/ | | / | Pace Labs | N/A (DI) | N/A (DI) | |
| omments: | 1 | | | 1 | | / | 1 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | IN/A (DI) | INTA (DI) | |
| Signature: | awain 6 | 244 | | | Date: | 30-Jan | 01- | | | |

| Field Personnel: | AP | | | | Location: | Duche | reeu | | |
|--------------------------|-------------------|----------|--------------|------------|--------------|-------------------------|---------------------|------------|------------|
| Weather: | 350-480 | 2 W | closky of | bmph | Environment: | grass | 5, mus | | |
| Multiparamete | r Water Meter | Make: | V101:60 | Model: | J 2009 | Serial Number: AGTThuxG | | | 6 |
| Water Lev | el Meter | Make: | Veron | Model: | D'. per T | Serial Number: 3717 - T | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.06 | s.u. | ±0.1 s.u. | 0 | NO | - | MSI | 023067-01 | 3/14/2025 |
| pH 7.00a | 2.03 | s.u. | ±0.1 s.u. | 0 | NO | | MSI | 023051-02 | 2/21/2025 |
| pH 10.00a | 10 02 | s.u. | ±0.1 s.u. | 6 | No | | MSI | 022361-01 | 12/27/2024 |
| SC Zero (DI) | 0-0 | μS/cm | 0<25 μS/cm | 6 | 200 | - | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2010 | μS/cm | ±5% | 0 | 20 | - | Geotech | 3GF1197 | Jun-24 |
| ORP | 2-364 | mV | ±15 mV | 14 | 120 | _ | InSitu | 3GI1011 | Jun-24 |
| DO (Zero pt) | 0.00 | mg/L | ±0.1 | 0 | 10 | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 98.7 | % | 97-100% | 10 | No | - | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0,0 | NTU | <2 NTU | P | No | ~ | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 hr | s, unless only or | ne well | | 1 | | | 24401 | | |
| ICV | (Initial Calibr | ation V | erification) | | Time: | 00120 | 1 | 3 4 | |
| Buffer | Check Value | Units | Range | Pass/Fail | Actio | n Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | 4.ox | s.u. | ±0.15 s.u. | 0 | 4- | | Geotech | 3GB1049 | Feb-25 |
| pH 7.00b | 6,01 | s.u. | ±0.15 s.u. | 10 | - | | Geotech | 2GF113 | Jun-24 |
| pH 10.00b | 10000 | s.u. | ±0.15 s.u. | 0 | - | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 0.01 | μS/cm | ±5% | 0 | | | Ricca | 4209A12 | Aug-24 |
| Approx. every 4 hr | s, unless only or | e well | | 1 | | | | | |
| CCV (Continue | d Calibration | Verifica | ition): | - | Time: | 1923 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | 1 | F |
| pH 4.00a | 100 | s.u. | ±0.1 s.u. | Pass/Fall | Mil. | Aujusteu Reauling | Manufacturer | Lot# | Exp. |
| pH 7.00a | 7.05 | s.u. | ±0.1 s.u. | 10 | Na | | MSI | 023067-01 | 3/14/2025 |
| pH 10.00a | 10.09 | s.u. | ±0.1 s.u. | 10 | No | _ | MSI | 023051-02 | 2/21/2025 |
| SC 1000 | 902 | μS/cm | ±5% | 6 | NO | | | 022361-01 | 12/27/2024 |
| DO (Zero pt) | 0.00 | mg/L | ±0.1 mg/L | 10 | | - | Ricca | 4209A12 | Aug-24 |
| Turbidity (DI) | 0,0 | NTU | <2 NTU | 100 | NO | | Macron Pace Labs | #000228049 | 8/26/2025 |
| Approx. every 4 hr | | | 121110 | | /// | | race Labs | N/A (DI) | N/A (DI) |
| CCV (Continue | | | tion): | T | Ti | | | | |
| | | | | Dnes (5-11 | Time: | Adiosta J D - 1 | Man C : | | |
| Buffer 4.000 | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | | Lot# | Exp. |
| 4.00a | - | s.u. | ±0.1 s.u. | 1 | - | | MSI | 023067-01 | 3/14/2025 |
| 7.00a | - | s.u. | ±0.1 s.u. | / | / | / | MSI | 023051-02 | 2/21/2025 |
| 10.00a SC 1000 | -/- | S.U. | ±0.1 s.u. | 1 | / | - | MSI | 022361-01 | 12/27/2024 |
| | 1 | μS/cm | ±5% | // | / | -/ | Ricca | 4209A12 | Aug-24 |
| DO (Zero pt) | -/ | mg/L | ±0.1 mg/L | 1 | / | / | Macron | #000228049 | |
| Turbidity (DI) Comments: | | NTU | <2 NTU | | / | | Pace Labs | N/A (DI) | N/A (DI) |
| es.miento. | | | | | | | | | |

| Field Personnel: | AP | | | | Location: | Duche | nek | | |
|--------------------|--|---------|------------|-----------|--------------|------------------|-----------------------|--------------------|------------|
| Weather: | 41-58 | or Wi | partly cla | - ph | Environment: | mul 9 | rass | ^ | |
| Multiparamete | r Water Meter | Make: | Horibe | Model: | V S DOC | Serial Number: | Number: AGJTH4X6 | | |
| Water Lev | el Meter | Make: | iteron | Model: | D:part | Serial Number: | Serial Number: 37(7-7 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4205 | s.u. | ±0.1 s.u. | D | No | - | MSI | 023067-01 | 3/14/2025 |
| pH 7.00a | 7.07 | s.u. | ±0.1 s.u. | 10 | No | ^ | MSI | 023051-02 | 2/21/2025 |
| pH 10.00a | 10,09 | s.u. | ±0.1 s.u. | 1 | NO | | MSI | 022361-01 | 12/27/202 |
| SC Zero (DI) | UEU | μS/cm | 0<25 μS/cm | 1 | Ne | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 20 90 | μS/cm | ±5% | P | No | - | Geotech | 3GF1197 | Jun-24 |
| ORP | 136 | mV | ±15 mV | 1 | No | _ | InSitu | 3GI1011 | Jun-24 |
| DO (Zero pt) | 9.03 | mg/L | ±0.1 | 1 | No | - | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 0186 | % | 97-100% | | No | - | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | 0 | NO | _ | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 hi | | ne well | | 4 | | | 242 (00 | | INPA (DI) |
| ICV | ICV (Initial Calibration Verification) | | | | | Time: 0852 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | 4.03 | s.u. | ±0.15 s.u. | 0 | | ii lakeii: | Geotech | 3GB1049 | Feb-25 |
| pH 7.00b | 6.91 | s.u. | ±0.15 s.u. | 10 | - | | Geotech | 2GF113 | _ |
| pH 10.00b | 10.06 | s.u. | ±0.15 s.u. | 1 | O= | | Geotech | | Jun-24 |
| SC 1000 | N. W. Y. | μS/cm | ±5% | 5 | | | Ricca | 3GA1134 4209A12 | Jan-25 |
| Approx. every 4 hr | | | 2570 | 1 4 | | | Micca | 4203A12 | Aug-24 |
| CCV (Continue | | | ation): | 1 | Time | IC | r | | |
| | | | | T- /- // | Time: | 1500 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| | 4103 | s.u. | ±0.1 s.u. | Ha | No | | MSI | 023067-01 | 3/14/2025 |
| oH 7.00a | 7,07 | s.u. | ±0.1 s.u. | 18 | 0/0 | | MSI | 023051-02 | 2/21/2025 |
| oH 10.00a | 10109 | s.u. | ±0.1 s.u. | - | V/0 | | MSI | 022361-01 | 12/27/2024 |
| SC 1000 | 10/10 | μS/cm | ±5% | 1 | NO | | Ricca | 4209A12 | Aug-24 |
| DO (Zero pt) | 0.00 | mg/L | ±0.1 mg/L | 1 | Λ/σ | | Macron | #000228049 | 8/26/2025 |
| Furbidity (DI) | 00 | NTU | <2 NTU | 1 | M | | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 hr | | | | | | | | | |
| CCV (Continue | | | | | Time: | / | | | |
| | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 1.00a | / | s.u. | ±0.1 s.u. | | / | | MSI | 023067-01 | 3/14/2025 |
| 7.00a | / | s.u. | ±0.1 s.u. | 1 | | | MSI | 023051-02 | 2/21/2025 |
| IO.00a | / | s.u. | ±0.1 s.u. | / | | | MSI | 022361-01 | 12/27/2024 |
| SC 1000 | / | μS/cm | ±5% | / | | | Ricca | 4209A12 | Aug-24 |
| OO (Zero pt) | / | mg/L | ±0.1 mg/L | / | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | / | NTU | <2 NTU | / | | | Pace Labs | N/A (DI) | N/A (DI) |
| Comments: | | | | 1 | , | | | | |

| Field Personnel: | AP | | | | Location: | Duch | crech | | |
|--------------------|-------------------|----------|--------------|-----------|--------------|------------------|-----------------------------------|------------|------------|
| Weather: | 3 10-510 | FWN | UNINY 7M | .ph | Environment: | woods | grass | mut | |
| Multiparameter | Water Meter | Make: | Honbu | Model: | V5000 | Serial Number | ols grass mut Number: AGJTKHXG | | |
| Water Lev | el Meter | Make: | Heron | Model: | Dippert | Serial Number: | 371 | 7-7 | - 0 |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.06 | s.u. | ±0.1 s.u. | P | HO | | MSI | 023067-01 | 3/14/2025 |
| pH 7.00a | 7.02 | s.u. | ±0.1 s.u. | 'p | NO | ^ | MSI | 023051-02 | 2/21/2025 |
| pH 10.00a | 10.01 | s.u. | ±0.1 s.u. | 0 | NO | ^ | MSI | 022361-01 | 12/27/202 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | 1 n | 20 | - | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 1940 | μS/cm | ±5% | 0 | No | J. | Geotech | 3GF1197 | Jun-24 |
| ORP | 731 | mV | ±15 mV | 10 | No | ~ | InSitu | 3GI1011 | Jun-24 |
| DO (Zero pt) | 000 | mg/L | ±0.1 | 6 | No | _ | Macron | #000228049 | |
| DO (Saturated) | 100.0 | % | 97-100% | A | No | ~ | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 6.0 | NTU | <2 NTU | VA | NO | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 hr | s, unless only or | ne well | | 1 | | | 2386 | | IN/A (DI) |
| | (Initial Calibr | | erification) | | Time: | 0951 | 1 | 18.6 | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacture | | |
| pH 4.00b | W-CIT | s.u. | ±0.15 s.u. | D D | ACIO | | Manufacturer | Lot# | Exp. |
| pH 7.00b | 6,03 | s.u. | ±0.15 s.u. | 10 | | | Geotech | 3GB1049 | Feb-25 |
| pH 10.00b | 10.0 K | s.u. | ±0.15 s.u. | 10 | | _ | Geotech | 2GF113 | Jun-24 |
| SC 1000 | 0.67 | μS/cm | ±5% | P | | _ | Geotech | 3GA1134 | Jan-25 |
| Approx. every 4 hr | | | 1376 | | | | Ricca | 4209A12 | Aug-24 |
| CCV (Continue | | | tion\. | | _ | 1620 | 1 | | |
| | | | | - | Time: | 1530 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| oH 4.00a | 4.06 | s.u. | ±0.1 s.u. | P | NO | _ | MSI | 023067-01 | 3/14/2025 |
| pH 7.00a | 7,04 | s.u. | ±0.1 s.u. | 1 | Ng | ^ | MSI | 023051-02 | 2/21/2025 |
| oH 10.00a | 10.01 | s.u. | ±0.1 s.u. | 1 | Na | • | MSI | 022361-01 | 12/27/202 |
| SC 1000 | 999 | μS/cm | ±5% | P | No | - | Ricca | 4209A12 | Aug-24 |
| DO (Zero pt) | 0.00 | mg/L | ±0.1 mg/L | 1 | No | ~ | Macron | | 8/26/2025 |
| Turbidity (DI) | 0-0 | NTU | <2 NTU | 1 | No | | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 hr | | | | | | | | | |
| CCV (Continue | d Calibration | Verifica | tion): | | Time: | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 1.00a | | s.u. | ±0.1 s.u. | | | , | MSI | 023067-01 | 3/14/2025 |
| '.00a | | s.u. | ±0.1 s.u. | | | 1 | MSI | 023051-02 | 2/21/2025 |
| 10.00a | | s.u. | ±0.1 s.u. | | | | MSI | 022361-02 | 12/27/2023 |
| C 1000 | | μS/cm | ±5% | | | | Ricca | 4209A12 | Aug-24 |
| OO (Zero pt) | | mg/L | ±0.1 mg/L | | | | Macron | | 8/26/2025 |
| urbidity (DI) | | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Comments: | | | | | | | | | |

| | AP | | | | Location: | Ducke | neh | | |
|---|--|--|--|-----------|-------------------|------------------|--|---|---|
| Weather: | Gog 3 | 9°- 50' | oc wint | SE3mpl | Environment: | grass. | mud | | |
| Multiparamete | r Water Meter | Make: | Hor bo | Model: | UScoo | Serial Number: | 11: PW26VJD3 | | |
| Water Lev | el Meter | Make: | Heron | Model: | Dippert | Serial Number: | 3717-7 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 3 95 | s.u. | ±0.1 s.u. | in | NO | ~ | MSI | 023067-01 | 3/14/2025 |
| pH 7.00a | 6 95 | s.u. | ±0.1 s.u. | 10 | ND | - | MSI | 023051-02 | 2/21/2025 |
| pH 10.00a | 10.02 | s.u. | ±0.1 s.u. | 10 | NO | | MSI | 022361-01 | 12/27/202 |
| SC Zero (DI) | 19 | μS/cm | 0<25 μS/cm | 0 | No | - | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2020 | µS/cm | ±5% | 10 | No | | Geotech | 3GF1197 | Jun-24 |
| ORP | 227 | mV | ±15 mV | Er | VES | 249 | InSitu | 3GI1011 | Jun-24 |
| DO (Zero pt) | 0.00 | mg/L | ±0.1 | 0 | No | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 100:0 | % | 97-100% | 10 | No | - | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | 1 | No | ~ | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 4 h | | 1 | 12 IVIO | 1 | | | 2496 | | IN/A (DI) |
| | (Initial Calibr | | erification\ | | Time | 1021 | 1 | | |
| | _ | 1 | | | Time: | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | 3,97 | s.u. | ±0.15 s.u. | 15 | | | Geotech | 3GB1049 | Feb-25 |
| pH 7.00b | 6.87 | s.u. | ±0.15 s.u. | P | ~ | | Geotech | 2GF113 | Jun-24 |
| pH 10.00b | 10.03 | s.u. | ±0.15 s.u. | 0 | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 070 | μS/cm | ±5% | P | | | Ricca | 4209A12 | Aug-24 |
| Approx. every 4 hr | | | | | | | | | |
| CCV (Continue | d Calibration | Verifica | ation): | | Time: | 1420 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| | 4.03 | s.u. | ±0.1 s.u. | W. | No | | MSI | 023067-01 | 3/14/2025 |
| pH 4.00a | | s.u. | ±0.1 s.u. | 111 | 0.0 | ^ | MSI | 023051-02 | 2/21/2025 |
| pH 4.00a pH 7.00a | 7.06 | 3.u. | | 10 | | - | MSI | 022361-01 | 12/27/2024 |
| pH 7.00a | 7.06 | | ±0.1 s.u. | 10 | A (c) | - | INIDI | | |
| | 10.08 | s.u. | ±0.1 s.u. ±5% | 1 | NO | | | | |
| рН 7.00а рН 10.00а SC 1000 | 1020 | s.u. µS/cm | ±5% | 1 | No |) | Ricca | 4209A12 | Aug-24 |
| pH 7.00a pH 10.00a SC 1000 DO (Zero pt) | 10.08 | s.u. | | Po | NO | ₽ | | 4209A12 #000228049 | Aug-24 8/26/2025 |
| pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) | 10.08 | s.u. µS/cm mg/L NTU | ±5% ±0.1 mg/L | P | No |) | Ricca Macron | 4209A12 | Aug-24 |
| pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hr | 1020 1020 1.10 V-0 rs, unless only on | s.u. µS/cm mg/L NTU ne well | ±5% ±0.1 mg/L <2 NTU | P | No No |) | Ricca Macron | 4209A12 #000228049 | Aug-24 8/26/2025 |
| pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hr CCV (Continue | 1020 1020 1.00 1.00 1.00 1.00 1.00 1.00 | s.u. µS/cm mg/L NTU ne well Verifica | ±5% ±0.1 mg/L <2 NTU | Pe | NO NO Time: | ber In Ber | Ricca Macron Pace Labs | 4209A12 #000228049 N/A (DI) | Aug-24 8/26/2025 N/A (DI) |
| pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hr CCV (Continue Buffer | 1020 1020 1.10 V-0 rs, unless only on | s.u. µS/cm mg/L NTU ne well Verifica | ±5% ±0.1 mg/L <2 NTU ation): | P | No No |) | Ricca Macron Pace Labs Manufacturer | 4209A12 #000228049 N/A (DI) | Aug-24 8/26/2025 N/A (DI) |
| pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hr CCV (Continue Buffer 4.00a | 1020 1020 1.00 1.00 1.00 1.00 1.00 1.00 | s.u. µS/cm mg/L NTU ne well Verifica Units s.u. | ±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. | Pe | NO NO Time: | ber In Ber | Ricca Macron Pace Labs Manufacturer | 4209A12 #000228049 N/A (DI) Lot# 023067-01 | Aug-24 8/26/2025 N/A (DI) Exp. 3/14/2025 |
| pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hr CCV (Continue Buffer 4.00a 7.00a | 1020 1020 1.00 1.00 1.00 1.00 1.00 1.00 | s.u. µS/cm mg/L NTU ne well Verifica Units s.u. s.u. | ±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. | Pe | NO NO Time: | ber In Ber | Ricca Macron Pace Labs Manufacturer MSI MSI | 4209A12 #000228049 N/A (DI) Lot# 023067-01 023051-02 | Aug-24 8/26/2025 N/A (DI) Exp. 3/14/2025 2/21/2025 |
| pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hr CCV (Continue Buffer 4.00a 7.00a | 1020 1020 1.00 1.00 1.00 1.00 1.00 1.00 | s.u. µS/cm mg/L NTU ne well Verifica Units s.u. s.u. s.u. | ±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. | Pe | NO NO Time: | ber In Ber | Ricca Macron Pace Labs Manufacturer MSI MSI MSI | 4209A12 #000228049 N/A (DI) Lot# 023067-01 023051-02 022361-01 | Aug-24 8/26/2025 N/A (DI) Exp. 3/14/2025 2/21/2025 12/27/2024 |
| pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hr CCV (Continue Buffer 4.00a 7.00a 10.00a SC 1000 | 1020 1020 1.00 1.00 1.00 1.00 1.00 1.00 | s.u. µS/cm mg/L NTU ne well Verifica Units s.u. s.u. µS/cm | ±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±5% | Pe | NO NO Time: | ber In Ber | Ricca Macron Pace Labs Manufacturer MSI MSI MSI Ricca | 4209A12 #000228049 N/A (DI) Lot# 023067-01 023051-02 022361-01 4209A12 | Aug-24 8/26/2025 N/A (DI) Exp. 3/14/2025 2/21/2025 12/27/2024 Aug-24 |
| pH 7.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hr CCV (Continue Buffer 4.00a 7.00a | 1020 1020 1.00 1.00 1.00 1.00 1.00 1.00 | s.u. µS/cm mg/L NTU ne well Verifica Units s.u. s.u. s.u. | ±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. | Pe | NO NO Time: | ber In Ber | Ricca Macron Pace Labs Manufacturer MSI MSI MSI | 4209A12 #000228049 N/A (DI) Lot# 023067-01 023051-02 022361-01 4209A12 | Aug-24 8/26/2025 N/A (DI) Exp. 3/14/2025 2/21/2025 12/27/2024 |

Pace®

Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

June 16, 2024

Daryl Johnson Vistra - Duck Creek 17751 North Cilco Road Canton, IL 61520-8761

Dear Daryl Johnson:

Please find enclosed the analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Sincerely,

Diane Billings

Project Manager

Diane Bellings

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order

HF02709

| NO | Samples received within temperature compliance when applicable |
|----|--|
| NO | COC present upon sample receipt |
| NO | COC completed & legible |
| NO | Sampler name & signature present |
| NO | Unique sample IDs assigned |
| NO | Sample collection location recorded |
| NO | Date & time collected recorded on COC |
| NO | Relinquished by client signature on COC |
| NO | COC & labels match |
| NO | Sample labels are legible |
| NO | Appropriate bottle(s) received |
| NO | Sufficient sample volume received |
| NO | Sample containers received undamaged |
| NO | Zero headspace, <6 mm present in VOA vials |
| NO | Trip blank(s) received |
| NO | All non-field analyses received within holding times |
| NO | Short hold time analysis |
| NO | Current PDC COC submitted |
| NO | Case narrative provided |

ANALYTICAL RESULTS

Sample: HF02709-01 Name: G06S

Matrix: Ground Water - Grab

Sampled: 06/13/24 10:07

Received: 06/13/24 15:08 **PO #:** 2438773/2438768

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---|--------|----------|-----------|----------------|----------|------|----------------|---------|--------|
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 21.8 | Feet | | 06/13/24 10:07 | 1 | | 06/13/24 10:07 | FIELD | Field* |
| Dissolved oxygen, Field | 0.0 | mg/L | | 06/13/24 10:07 | 1 | | 06/13/24 10:07 | FIELD | Field* |
| Oxidation Reduction Potential | 138 | mV | | 06/13/24 10:07 | 1 | -500 | 06/13/24 10:07 | FIELD | Field* |
| pH, Field Measured | 7.14 | pH Units | | 06/13/24 10:07 | 1 | | 06/13/24 10:07 | FIELD | Field* |
| Specific Conductance, Field Measured | 856.0 | umhos/cm | | 06/13/24 10:07 | 1 | | 06/13/24 10:07 | FIELD | Field* |
| Temperature, Field Measured | 16.0 | °C | | 06/13/24 10:07 | 1 | | 06/13/24 10:07 | FIELD | Field* |
| Turbidity, Field Measured | 147 | NTU | | 06/13/24 10:07 | 1 | 0.00 | 06/13/24 10:07 | FIELD | Field* |

Sample: HF02709-02

Name: G15S

Matrix: Ground Water - Grab

Sampled: 06/13/24 10:56

Received: 06/13/24 15:08 **PO #:** 2438773/2438768

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---|--------|----------|-----------|----------------|----------|------|----------------|---------|--------|
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 27.34 | Feet | | 06/13/24 10:56 | 1 | | 06/13/24 10:56 | FIELD | Field* |
| Dissolved oxygen, Field | 0.0 | mg/L | | 06/13/24 10:56 | 1 | | 06/13/24 10:56 | FIELD | Field* |
| Oxidation Reduction Potential | 168 | mV | | 06/13/24 10:56 | 1 | -500 | 06/13/24 10:56 | FIELD | Field* |
| pH, Field Measured | 7.28 | pH Units | | 06/13/24 10:56 | 1 | | 06/13/24 10:56 | FIELD | Field* |
| Specific Conductance, Field Measured | 670.0 | umhos/cm | | 06/13/24 10:56 | 1 | | 06/13/24 10:56 | FIELD | Field* |
| Temperature, Field Measured | 17.2 | °C | | 06/13/24 10:56 | 1 | | 06/13/24 10:56 | FIELD | Field* |
| Turbidity, Field Measured | 78.5 | NTU | | 06/13/24 10:56 | 1 | 0.00 | 06/13/24 10:56 | FIELD | Field* |

NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807 USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389 TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050 Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Diani Bellings

Certified by: Diane Billings, Project Manager



| | | | | 1 | | 16 | 15 | 14 | 13 | 12 | 11 | 10 | ø 0 | 7 | 6 | C) | 4 | u | 2 | - | ITEM# | | | Requ | Phone: | Email To: | | Address: | Company: | Require |
|-----------------------|------------------------|----------------------------|------|---------------|-------------------------------|----------|----|----|----|----|--|----|-----|---|---|----|---|---|---------|----------|--|--|-----------------------------------|--------------------------------|---------------------|------------------------------|--|--|--------------------------|-------------------------------|
| | | | | DC-24Q2 Rev 0 | ADDITIONAL COMMENTS | | | | | | THE STATE OF THE S | | | | | | | | G15S | G06S | SAMPLE ID ARE ARE ARE ARE ARE ARE ARE AR | Section D Valid Matrix Codes Required Client Information MATRIX CODE | | Requested Due Date/TAT: 10 day | (217) 753-8911 Fax: | Brian.Voelker@VistraCorp.com | Canton, IL 61520 | 17751 North Cilco Rd | Vistra Corp-Duck Creek | Required Client Information: |
| | | - | | | | | | | | | | | | | | | | | | | A W W W W W W W W W W W W W W W W W W W | Codes | | Project Number: | Project Name | Purchase Order No.: | , | Copy To: | Report To: Brian Voelker | Required Project Information: |
| | | | | | REI | | | | | | + | + | + | + | | | | | | | MATRIX CODE (see valid codes to | left) | | umber | ame: | Order | Dar | | o: Bria | Proje |
| | | | | | INQU | | | | | | T | 1 | 1 | 1 | T | | | | | | SAMPLE TYPE (G=GRAB C=COM | AP) | | 2285 | | No.: | yl Joh | n Dav | an Vo | ct info |
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| | | SAMPLE | 1510 | | RELINQUISHED BY / AFFILIATION | | | | | | | | | | | | | | 13/309H | H206/E | DATE | COLL | | | | | Robert Johnso | amantha.davies | | 7. |
| SIGNATURE of SAMPLER: | PRINT Name of SAMPLER: | SAMPLER NAME AND SIGNATURE | o c | - | | | | | | | | | | | | | | | 1056 | 1007 | ТІМЕ | COLLECTED | | | | | Daryl Johnson: Robert.Johnson@vistracorp.com | Sam Davies: samantha.davies@vistracorp.com | | |
| AMPL | AMPL | GNAT | 9 | 100 | DATE | | | | | | | | | | _ | | | | | 4 | | | | | | | 3 | | | |
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| 7 | 0 | | 1 | 50 | TIME | | | | | | | 4 | _ | _ | | | | | | | # OF CONTAINERS | | | Profile #: | oject anager. | Quota Reference: | Address: | Company Name: | Attention: | invoice information: |
| Bohannan | ordan | \vdash | > | 5 | m | - | - | - | | | + | + | + | + | + | + | | | | | Unpreserved H ₂ SO ₄ | | | | | 8 | | y Nam | 8 | Inform |
| 2 | | 1 | • | | | | | | | | | | 1 | 1 | | | | | | | HNO ₃ | Preservatives | | | | | see | | Brian | ation: |
| 3 | 30 | 7 | 5 | 3 | | H | | - | | | + | + | + | + | + | - | - | | | | HCI NaOH | ervat | | | | | see Section A | Vistra | Brian Voelker | |
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| Signed 06/13/3034 | - | 6 | 1 | ٠ | DATE | - | - | - | | - | | + | + | + | + | + | - | | | | DC-CLOSURE-201-202 | | Requested Analysis Filtered (Y/N) | STATE: | Site Location | | | | | |
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| Ten | np in | ·c | 1 | | | | | | | | | | 1 | | | T | | | | | Residual Chlorine (Y/N) | | | | | 9 | | YAG | | Page: |
| | e (Y/N | | | 1 | SAMPLE CONDITIONS | | | | | | | | | | | | | | | | Proj | | | | | OTHER | DRINKING WATER | REGULATORY AGENCY | | 10 |
| | ustod | | 0 | 10 | CONE | | | | | | | | | | | | | | | | ect N | | | | | | NG W | | | |
| | ed Co (Y/N) | | 1 | 2 | SNOLLI | | | | | | | | | | | | | | | | Project No./ Lab I.D. | | | | | | ATER | | | of |
| | ples Ir (Y/N) | | 8 | 1 | | 1 | | 1 | | | | | | | | | | | | | è | | | | | | | | | 10 |
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APPENDIX A. ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204

| WELL/SAM | PLE POINT | GU | 6S | | Purge I | Method: | Compre | SOY | | | |
|---|--|-------------|----------------|-------|-----------|---|---|--------------|---|--|--|
| Date: | 6/13/ | 24 | Start Time: | 9:49 | 1 | Finish/5 | Sample Time: | 1007 | | | |
| Well Depth (| Bottom) From | n MP: | 43.13 | ft | | Min. Purge V | olume: | 1000 | mL | | |
| Denth to Wa | ter From MP: | | 21.80 | | | Total Purge \ | al Purge Volume: 2500 | | | | |
| | | | | | | rotair aigo | oldillo. | 0000 | mL | | |
| Water Colun | nn Length: | | 21.33 | ft | | | | | | | |
| Vell Water Volume: | | | 12.92 | L | | Total Drawdo | wn: | 0.41 ft | | | |
| Reading | Time | Depth | Flow Rate | pН | Spec Cond | Temp | ORP | DO | Turb | | |
| (Units) | | ft. | mL/min | s.u. | umhos/cm | deg C | mV | mg/L | NTU | | |
| 1 | 1002 | 21,74 | 300 | 7.17 | 856 | 16.05 | 140 | 0,00 | 0.00 | | |
| 2 | 1003 | 21.83 | 300 | 7.15 | 859 | 16.01 | 138 | 0.00 | 000 | | |
| 3 | 1004 | 21.97 | 300 | 7.14 | 858 | 16.03 | 137 | 0.00 | 149 | | |
| 4 | 1005 | 22.08 | 300 | 7.14 | 856 | 16.03 | 138 | 0.00 | 145 | | |
| 5 | 1006 | 22.21 | 300 | 7.14 | 856 | 16.02 | 138 | 0.00 | 147 | | |
| | | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | | | | |
| Stabilization | INA | I INA | IVA | 10.2 | 1 370 | 1 ±0.2 | 120 | ± 10% or 0.2 | NA | | |
| Field Meter: | | Horiba/ | Oakton | | | Well Integrit | V | Yes | No | | |
| | | 1 100.0 | COLVIO | | | Well has ID s | | X | | | |
| TOTA MICTORY | | | | | | I TTON HOUSE ID | ngn | | | | |
| | earance: | | | | | Casing locke | | | | | |
| Sample App | | Slight □ M | od. □ Stro | ong | | Casing locke | d/secure | X | | | |
| Sample Appo | None 🗆 S | Slight □ M | - Automorphism | | | Casing locke Well cap fits | d/secure securely. | × | 111111111111111111111111111111111111111 | | |
| Sample Appe Odor: | None 🗆 : | Slight □ M | od. □ Stro | ong | | Casing locke Well cap fits Good seal/dr | d/secure securely. ainage | X X X | | | |
| Sample Appe Odor: | None 🗆 : | | od. □ Stro | ong | | Casing locke Well cap fits | d/secure securely. ainage | × | | | |
| Sample Appe Odor: Color Turb: | None 🗆 : | Slight Mo | od. □ Stro | ong | | Casing locke Well cap fits Good seal/dr | d/secure securely. ainage | X X X | | | |
| Sample Appo Odor: Color Turb: SOTTLE INF | None Some Some Some Some Some Some Some Som | Slight Mo | od. □ Stro | ong | | Casing locke Well cap fits Good seal/dr Well has wee | d/secure securely. ainage | X X X | | | |
| Sample Appo Odor: Color Furb: | None S None S ORMATION: Unfi | Slight | od. □ Stro | ong | Qty | Casing locke Well cap fits Good seal/dr Well has wee Filte Bottles | d/secure securely. ainage ep holes | X X X | | | |
| Sample Appo Odor: Color Turb: SOTTLE INF | None S None S CORMATION: Unfi Bottles VOAs (C,V, 4 | Slight | od. □ Stro | ong | Qty | Casing locke Well cap fits Good seal/dr Well has wee Filte Bottles Metals (P,250r | d/secure securely, ainage ep holes ered | X X X | | | |
| Sample Appo Odor: Color Furb: SOTTLE INF | None S None S CORMATION: Unfi Bottles VOAs (C,V, 44) VOAS (C,V, 44) | Slight | od. □ Stro | ong | Qty | Casing locke Well cap fits Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2 | d/secure securely, ainage ep holes ered nL, HNO3) 50mL, H2S04) | X X X | | | |
| Sample Appo Odor: Color Furb: SOTTLE INF | None S None S CORMATION: Unfi Bottles VOAs (C,V, 4) VOAS (C,V, 4) Organics (A,G) | Slight | od. □ Stro | ong | Qty | Casing locker Well cap fits Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2 General (P,500 | d/secure securely. ainage ep holes ered mL, HNO3) 50mL, H2S04) | X X X | | | |
| Sample Appo Odor: Color Furb: SOTTLE INF | None S None S ORMATION: Unfi Bottles VOAs (C,V, 4) VOAS (C,V, 4) Organics (A,G) Organics (A,G) | Slight | od. □ Stro | ong | Qty | Casing locke Well cap fits Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2 General (P,500) General (P,100) | d/secure securely. ainage ep holes ered mL, HNO3) 50mL, H2S04) DmL) | X X X | | | |
| Sample Appo Odor: Color Turb: BOTTLE INF | None S None S ORMATION: Unfi Bottles VOAS (C,V, 44 VOAS (C,V, 44 Organics (A,G Organics (A,G TOC (A,V 40n | Slight | od. □ Stro | ong | Qty | Casing locker Well cap fits Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2 General (P,500 | d/secure securely. ainage ep holes ered mL, HNO3) 50mL, H2S04) DmL) | X X X | | | |
| Sample Appo Odor: Color Turb: BOTTLE INF | None S None S ORMATION: Unfi Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A,G TOC (A,V 40n TOX (A,G 250 | Slight | od. □ Stro | ong | Qty | Casing locke Well cap fits Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2 General (P,500) General (P,100) | d/secure securely. ainage ep holes ered mL, HNO3) 50mL, H2S04) DmL) | X X X | | | |
| Sample Appo Odor: Color Turb: BOTTLE INF | None S None S None S ORMATION: Unfi Bottles VOAs (C,V, 4) VOAS (C,V, 4) Organics (A,G) TOC (A,V 40n) TOX (A,G 250) Metals (P,250) | Slight | od. □ Stro | ong | Qty | Casing locke Well cap fits Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2 General (P,500) General (P,100) | d/secure securely. ainage ep holes ered mL, HNO3) 50mL, H2S04) DmL) | X X X | | | |
| Sample Appo Odor: Color Turb: BOTTLE INF | None S None S None S ORMATION: Unfi Bottles VOAS (C,V, 40 VOAS (C,V, 40 Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 250 | Slight | od. □ Stro | ong | Qty | Casing locke Well cap fits Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2 General (P,500) General (P,100) | d/secure securely. ainage ep holes ered mL, HNO3) 50mL, H2S04) DmL) | X X X | | | |
| Sample Appo Odor: Color Turb: SOTTLE INF | None S None S None S ORMATION: Unfi Bottles VOAS (C,V, 40 VOAS (C,V, 40 Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 250 | Slight | od. □ Stro | ong | Qty | Casing locke Well cap fits Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2 General (P,500) General (P,100) | d/secure securely. ainage ap holes ared mL, HNO3) 50mL, H2S04) DmL) | X X X | | | |
| Sample Appo Odor: Color Turb: BOTTLE INF | None S None S None S CORMATION: Unfi Bottles VOAS (C,V, 4) Organics (A,G) Organics (A,G) TOC (A,V 40n) TOX (A,G 250) Metals (P,250) Cyanide (P, 2: Ammonia (P,2) | Slight | od. □ Stro | ong | Qty | Casing locke Well cap fits Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2 General (P,500) General (P,100) | d/secure securely. ainage ap holes ared mL, HNO3) 50mL, H2S04) DmL) | X X X | | | |
| Sample Appo Odor: Color Turb: SOTTLE INF | None S None S None S CORMATION: Unfi Bottles VOAS (C,V, 44) Organics (A,G) Organics (A,G) TOC (A,V 40n TOX (A,G 250) Metals (P,250) Cyanide (P, 250) Ammonia (P,250) General (P,50) | Slight | od. □ Stro | ong | | Casing locke Well cap fits Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2 General (P,100 TOC (A,V 40m | d/secure securely. ainage ep holes ered mL, HNO3) 50mL, H2S04) 0mL) L, H2SO4) | X X X | | | |
| Sample Appo Odor: Color Turb: BOTTLE INF | None S None S None S CORMATION: Unfi Bottles VOAS (C,V, 4) VOAS (C,V, 4) Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 2) Ammonia (P,2 General (P,10 | Slight | od. □ Stro | ong | Final | Casing locke Well cap fits Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2 General (P,100 TOC (A,V 40m) | d/secure securely. ainage ap holes ared mL, HNO3) 50mL, H2S04) 0mL) 0mL) L, H2SO4) | X X X | | | |
| Sample Appo Odor: Color Turb: BOTTLE INF | None Some Some Some Some Some Some Some Som | Slight | od. □ Stro | ong | Final | Casing locke Well cap fits Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2 General (P,100 TOC (A,V 40m | d/secure securely. ainage ap holes ared mL, HNO3) 50mL, H2S04) 0mL) 0mL) L, H2SO4) | X X X | | | |

APPENDIX A. ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204

| Date: | 1/12/ | | | | | | | | ressor | | |
|--------------------|---------------|---------------|-------------|-------|-----------|-----------------------|----------------|------------|--------------|------|--|
| | 0/10/ | 9094 | Start Time: | 103 | 7 | | Finish/S | ample Time | 1056 | | |
| Well Depth (| Bottom) Fron | n MP; | 44.21 | ft | | Mir | n. Purge Vo | olume: | 1500 | mL | |
| Depth to Wa | ter From MP: | | 27.34 | ft | | olume: | 2750 | | | | |
| | | | | | | 10 | tui i digo v | oldino. | | IIIL | |
| Water Colum | in Length: | | 16.87 | ft | | | | | | | |
| Well Water Volume: | | | 10.33 | L | | To | tal Drawdo | wn: | 2.05 ft | | |
| Reading | Time | Depth | Flow Rate | pH | Spec Cond | T | Temp | ORP | DO | Turb | |
| (Units) | | ft. | mL/min | s.u. | umhos/cm | | deg C | mV | mg/L | NTU | |
| 1 | 1047 | 29.39 | 250 | 7.51 | 675 | | 7.39 | 159 | 0.00 | 150 | |
| 2 | 1049 | 29.39 | 250 | 7,34 | 670 | | 1621 | 165 | 0.00 | 118 | |
| 3 | 1051 | 29,39 | 250 | 7.32 | 667 | | 17.23 | 166 | 0.00 | 95.8 | |
| 4 | 1053 | 29.39 | 250 | 7.28 | 668 | \vdash | 17.25 | 167 | 0.00 | 87.6 | |
| 5 | 1055 | 29.39 | 250 | 7.28 | 670 | \vdash | 17.25 | 168 | 0.00 | 78.5 | |
| | | | | | | - | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | _ | ± 0.2 | ± 20 | ± 10% or 0.2 | NA | |
| Field Meter: | | Horiba | 10akto | in. | | We | Il Integrity | † | Yes | No | |
| | | -101100 | 7000110 | 111 | - | - | ell has ID si | | X | 110 | |
| Sample Appe | earance: | | | | | | sing locked | V | X | | |
| | | Slight M | od. Stro | ng | | | ell cap fits s | | X | | |
| Color 🐞 | None 🗆 : | Slight □ M | od. 🗆 Stro | ng | - | Go | od seal/dra | inage | X | | |
| Turb: | None # 5 | Slight □ Mo | od 🗆 Stroi | ng | - | We | ell has wee | p holes | X | | |
| | | | | | | - | | | | | |
| BOTTLE INF | ORMATION: | | | | | | F:14- | | | | |
| 04. | Bottles | Itered | | | Qty | Filtered Qty Bottles | | | | | |
| Qty | VOAs (C,V, 4 | Oml HCL) | | | Qty | | tals (P.250m | I HNO3) | | | |
| | VOAS (C,V, 4 | | | | | $\overline{}$ | | 0mL, H2S04 | | | |
| | Organics (A,C | | | | | + | neral (P,500 | | | | |
| | Organics (A,C | | | | | - | neral (P,100 | | | | |
| | TOC (A,V 40n | | | | | | C (A,V 40ml | | | | |
| | TOX (A,G 250 | | | | | | | | | | |
| | Metals (P,250 | | | | | | | | | | |
| | Cyanide (P, 2 | 50mL, NaOH) | | | | | | | | | |
| | Ammonia (P,2 | 250mL, H2S04) | | | | | | | | | |
| | General (P,50 | 00mL) | | | | | | | | | |
| | General (P,10 | 00mL) | | | | | | | | | |
| | Rad (P, 2.5L, | HNO3) | | | | | 1.70 | 0012 | n. | | |
| | | | | | i fied wi | | | 99.3 | 7 ft | | |

| Field Rersonnel | Jordan | Boi | hannan | | Location: | Duch C | reek | | | |
|------------------------------------|----------------------------------|---------|------------|-----------|------------------------|-------------------|--------------|----------------------|------------|------------|
| Weather | 77°, 50 | my, | 12mphu | nd | Environment: | Tall Gra | - | 1 | | |
| Multiparamete | Water Meter | Make | Horiba | Modela | 4-5000 | Sectal Number | AGJT | K4XG | , | |
| Water Lay | el Mater | Make: | | Model: | | Serial Number | | 4 | | |
| Buffer | Check Value | Units | Range | Pass/Fall | Colibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. | |
| H 4.00a | 3.92 | s.u. | ±0.1 s.u. | P | No | NA | MSI | 023067-01 | 3/14/2025 | |
| H-7.00a | 7.01 | s.u. | ±0.1 s.u. | | | | MS1 | 023051-02 | 2/21/2025 | |
| ei 10-60a | 1004 | s.u. | ±0.1 s.u. | | - | 1 | MSI | 022361-01 | 12/27/2024 | |
| C Zero (DI) | 0.00 | µS/cm | 0<25 µS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) | |
| Secretary of the second | 2011 | µS/cm | ±5% | | | | Geotech | 3673 1438 3074497 | | BG 6/14/24 |
| | 232 | mV mV | ±15 mV | | | | InSitu | 3GI1011 | Jun-24 | |
| (Ju oroš) O | 000 | mg/L | ±0.1 | | 1 | | Macron | #000228049 | | |
| XO (Saturated) | 100 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) | |
| | 000 | ити | <2 NTU | 7 | 1 | 1 | Pace Labs | | | |
| urbidity (DI) opros. every 4 hr | s, unless only or | re well | 1 7 7 | | | *** | Pace Labs | N/A (DI) | N/A (DI) | |
| lCV Buffer | (Initial Calibration Check Value | Units | Hange | Pass/Fall | | 09 30 n Teken? | Manufacturer | Lots - | Exp | |
| H-4:00b | 3.85 | S.U. | ±0.15 s.u. | P | Calibrated | 1:4.00 | Geotech | 3GB1049 | Feb-25 | |
| H 7.00b | 6.94 | s.u. | ±0.15 s.u. | P | None | | Proactive | 36-E1252 | May-25 | 86 6/14/20 |
| H:10.005 | 9.97 | s.u. | ±0.15 s.u. | P | None | | Geotech | 3GA1134 | Jan-25 | |
| SC 1066 | 1013 | µS/am | ±5% | P | None | | Ricca | 4209A12 | Aug-24 | |
| | s, unless only or | | | 1 | Timet | 105% | | | | |
| Buffer | Check Value | Units | Range | Pess/Pal | NAME OF TAXABLE PARTY. | Adjusted Reading | Manufacturer | Lone | Exp. | |
| 9114.00a | 4.03 | s.u. | ±0.1 s.u. | P | NO | NA | MŚI | 023067-01 | 3/14/2025 | |
| 94.7:00a | 6.98 | s.u. | ±0.1 s.u. | | | | MSI | 023051-02 | 2/21/2025 | |
| e08,67£ Ho | 9.47 | s.u. | ±0.1 s.u. | | | , | MSI | 022361-01 | 12/27/2024 | |
| SC 1000 | 1008 | µS/cm | ±5% | | | | Ricca | 4209A12 | Aug-24 | |
| 00 (Zero pt) | 000 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 | |
| Floridadity (DI) | 0.00 | NTU | , <2 NTU | 1 | | 1 | Pace Labs | N/A (DI) | N/A (DI) | |
| Apphax every 4 h Comments: | rs, unless only o | ne well | 44.57 | | | | | man kit was a like | The Sales | |
| conniend. | | | | | | | | | | |
| | | | - | | | | | A SHAREST | N 50 15 | |

Pace®

Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

August 29, 2024

Daryl Johnson Vistra - Duck Creek 17751 North Cilco Road Canton, IL 61520-8761

Dear Daryl Johnson:

Please find enclosed the analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Sincerely,

Diane Billings Project Manager

Diane Bellings

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

HG04591

Work Order

| YES | Samples received within temperature compliance when applicable |
|-----|--|
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| NO | Zero headspace, <6 mm present in VOA vials |
| NO | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

Work Order HG05512

| YES | Samples received within temperature compliance when applicable |
|-----|--|
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| NO | Zero headspace, <6 mm present in VOA vials |
| NO | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

Work Order HG05733

| YES | Samples received within temperature compliance when applicable |
|-----|--|
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| NO | Zero headspace, <6 mm present in VOA vials |
| NO | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

Work Order HH00162

| YES | Samples received within temperature compliance when applicable |
|-----|--|
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| NO | Zero headspace, <6 mm present in VOA vials |
| NO | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| NO | Case narrative provided |

ANALYTICAL RESULTS

Sample: HG04591-11 Name: G04S

•• · · · · · · ·

Matrix: Ground Water - Grab

Sampled: 07/24/24 10:56

Received: 07/24/24 16:47 **PO #:** 2438773/2438768

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---|---------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 15 | mg/L | Q4 | 07/26/24 19:10 | 5 | 5.0 | 07/26/24 19:10 | JSM | EPA 300.0 REV 2.1 |
| Fluoride | < 0.250 | mg/L | | 07/26/24 18:52 | 1 | 0.250 | 07/26/24 18:52 | JSM | EPA 300.0 REV 2.1 |
| Sulfate | 200 | mg/L | Q4 | 07/26/24 19:28 | 50 | 50 | 07/26/24 19:28 | JSM | EPA 300.0 REV 2.1 |
| <u>Field - PIA</u> | | | | | | | | | |
| Depth, From Measuring Point | 14.91 | Feet | | 07/24/24 10:56 | 1 | | 07/24/24 10:56 | FIELD | Field* |
| Dissolved oxygen, Field | 2.6 | mg/L | | 07/24/24 10:56 | 1 | | 07/24/24 10:56 | FIELD | Field* |
| Oxidation Reduction Potential | 51.0 | mV | | 07/24/24 10:56 | 1 | -500 | 07/24/24 10:56 | FIELD | Field* |
| pH, Field Measured | 7.23 | pH Units | | 07/24/24 10:56 | 1 | | 07/24/24 10:56 | FIELD | Field* |
| Specific Conductance, Field Measured | 1020 | umhos/cm | | 07/24/24 10:56 | 1 | | 07/24/24 10:56 | FIELD | Field* |
| Temperature, Field Measured | 18.9 | °C | | 07/24/24 10:56 | 1 | | 07/24/24 10:56 | FIELD | Field* |
| Turbidity, Field Measured | 102 | NTU | | 07/24/24 10:56 | 1 | 0.00 | 07/24/24 10:56 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 320 | mg/L | | 08/02/24 09:08 | 1 | 10 | 08/02/24 09:08 | CFM | SM 2320 B-2011* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 08/02/24 09:08 | 1 | 10 | 08/02/24 09:08 | CFM | SM 2320 B-2011* |
| Soluble General Chemistry - | PIA | | | | | | | | |
| Solids - total dissolved solids (TDS) | 650 | mg/L | | 07/30/24 09:14 | 1 | 26 | 07/30/24 15:06 | CFM | SM 2540 C-2011 |
| <u>Total Metals - PIA</u> | | | | | | | | | |
| Boron | 31 | ug/L | | 07/25/24 09:05 | 5 | 10 | 07/29/24 14:16 | TJJ | EPA 6020A |
| Calcium | 130 | mg/L | | 07/25/24 09:05 | 5 | 0.20 | 07/26/24 12:23 | TJJ | EPA 6020A |
| Magnesium | 58 | mg/L | | 07/25/24 09:05 | 5 | 0.10 | 07/26/24 12:23 | TJJ | EPA 6020A |
| Potassium | 0.98 | mg/L | | 07/25/24 09:05 | 5 | 0.10 | 07/26/24 12:23 | TJJ | EPA 6020A |
| Sodium | 8.2 | mg/L | | 07/25/24 09:05 | 5 | 0.10 | 07/26/24 12:23 | TJJ | EPA 6020A |
| | | | | | | | | | |

ANALYTICAL RESULTS

Sample: HG04591-12 Name: G06S

Matrix: Ground Water - Grab

Sampled: 07/24/24 12:00

Received: 07/24/24 16:47 PO #: 2438773/2438768

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---|---------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 17 | mg/L | | 07/26/24 21:17 | 5 | 5.0 | 07/26/24 21:17 | JSM | EPA 300.0 REV 2.1 |
| Sulfate | 350 | mg/L | | 07/29/24 17:37 | 50 | 50 | 07/29/24 17:37 | JSM | EPA 300.0 REV 2.1 |
| <u>Field - PIA</u> | | | | | | | | | |
| Depth, From Measuring Point | 20.28 | Feet | | 07/24/24 12:00 | 1 | | 07/24/24 12:00 | FIELD | Field* |
| Dissolved oxygen, Field | 0.98 | mg/L | | 07/24/24 12:00 | 1 | | 07/24/24 12:00 | FIELD | Field* |
| Oxidation Reduction Potential | 127 | mV | | 07/24/24 12:00 | 1 | -500 | 07/24/24 12:00 | FIELD | Field* |
| pH, Field Measured | 6.99 | pH Units | | 07/24/24 12:00 | 1 | | 07/24/24 12:00 | FIELD | Field* |
| Specific Conductance, Field Measured | 937.0 | umhos/cm | | 07/24/24 12:00 | 1 | | 07/24/24 12:00 | FIELD | Field* |
| Temperature, Field Measured | 19.2 | °C | | 07/24/24 12:00 | 1 | | 07/24/24 12:00 | FIELD | Field* |
| Turbidity, Field Measured | 191 | NTU | | 07/24/24 12:00 | 1 | 0.00 | 07/24/24 12:00 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 480 | mg/L | | 08/02/24 09:08 | 1 | 10 | 08/02/24 09:08 | CFM | SM 2320 B-2011* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 08/02/24 09:08 | 1 | 10 | 08/02/24 09:08 | CFM | SM 2320 B-2011* |
| Fluoride | < 0.250 | mg/L | | 07/30/24 14:45 | 1 | 0.250 | 07/30/24 14:45 | QTC | SM 4500-F C-2011 |
| Soluble General Chemistry - | - PIA | | | | | | | | |
| Solids - total dissolved solids (TDS) | 480 | mg/L | | 07/30/24 09:14 | 1 | 26 | 07/30/24 15:06 | CFM | SM 2540 C-2011 |
| Total Metals - PIA | | | | | | | | | |
| Boron | 18 | ug/L | | 07/25/24 09:05 | 5 | 10 | 07/29/24 14:58 | TJJ | EPA 6020A |
| Calcium | 120 | mg/L | | 07/25/24 09:05 | 5 | 0.20 | 07/26/24 12:27 | TJJ | EPA 6020A |
| Magnesium | 62 | mg/L | | 07/25/24 09:05 | 5 | 0.10 | 07/26/24 12:27 | TJJ | EPA 6020A |
| Potassium | 0.83 | mg/L | | 07/25/24 09:05 | 5 | 0.10 | 07/26/24 12:27 | TJJ | EPA 6020A |
| Sodium | 7.4 | mg/L | | 07/25/24 09:05 | 5 | 0.10 | 07/26/24 12:27 | TJJ | EPA 6020A |
| | | | | | | | | | |

ANALYTICAL RESULTS

Sample: HG04591-13

Name: G12S

Matrix: Ground Water - Grab

Sampled: 07/24/24 14:00

Received: 07/24/24 16:47 **PO #:** 2438773/2438768

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---|----------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 17 | mg/L | | 07/26/24 22:11 | 5 | 5.0 | 07/26/24 22:11 | JSM | EPA 300.0 REV 2.1 |
| Fluoride | 0.323 | mg/L | | 07/26/24 21:53 | 1 | 0.250 | 07/26/24 21:53 | JSM | EPA 300.0 REV 2.1 |
| Sulfate | 94 | mg/L | | 07/26/24 22:29 | 25 | 25 | 07/26/24 22:29 | JSM | EPA 300.0 REV 2.1 |
| <u>Field - PIA</u> | | | | | | | | | |
| Depth, From Measuring Point | 19.58 | Feet | | 07/24/24 14:00 | 1 | | 07/24/24 14:00 | FIELD | Field* |
| Dissolved oxygen, Field | 0.64 | mg/L | | 07/24/24 14:00 | 1 | | 07/24/24 14:00 | FIELD | Field* |
| Oxidation Reduction Potential | -109 | mV | | 07/24/24 14:00 | 1 | -500 | 07/24/24 14:00 | FIELD | Field* |
| pH, Field Measured | 7.39 | pH Units | | 07/24/24 14:00 | 1 | | 07/24/24 14:00 | FIELD | Field* |
| Specific Conductance, Field Measured | 686.0 | umhos/cm | | 07/24/24 14:00 | 1 | | 07/24/24 14:00 | FIELD | Field* |
| Temperature, Field | 15.9 | °C | | 07/24/24 14:00 | 1 | | 07/24/24 14:00 | FIELD | Field* |
| Measured Turbidity, Field Measured | 48.1 | NTU | | 07/24/24 14:00 | 1 | 0.00 | 07/24/24 14:00 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 250 | mg/L | | 08/02/24 09:08 | 1 | 10 | 08/02/24 09:08 | CFM | SM 2320 B-2011* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 08/02/24 09:08 | 1 | 10 | 08/02/24 09:08 | CFM | SM 2320 B-2011* |
| Soluble General Chemistry - Pl | <u>A</u> | | | | | | | | |
| Solids - total dissolved solids (TDS) | 490 | mg/L | | 07/30/24 10:17 | 1 | 26 | 07/31/24 00:00 | CFM | SM 2540 C-2011 |
| <u>Total Metals - PIA</u> | | | | | | | | | |
| Boron | < 10 | ug/L | | 07/25/24 09:05 | 5 | 10 | 07/29/24 15:01 | TJJ | EPA 6020A |
| Calcium | 82 | mg/L | | 07/25/24 09:05 | 5 | 0.20 | 07/26/24 12:31 | TJJ | EPA 6020A |
| Magnesium | 39 | mg/L | | 07/25/24 09:05 | 5 | 0.10 | 07/26/24 12:31 | TJJ | EPA 6020A |
| Potassium | 0.39 | mg/L | | 07/25/24 09:05 | 5 | 0.10 | 07/26/24 12:31 | TJJ | EPA 6020A |
| Sodium | 6.6 | mg/L | | 07/25/24 09:05 | 5 | 0.10 | 07/26/24 12:31 | TJJ | EPA 6020A |

ANALYTICAL RESULTS

Sample: HG04591-14

Name: G09S

Matrix: Ground Water - Grab

Sampled: 07/24/24 15:30

Received: 07/24/24 16:47 **PO #:** 2438773/2438768

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---|---------|----------|-----------|----------------|----------|-------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 15 | mg/L | | 07/26/24 23:05 | 5 | 5.0 | 07/26/24 23:05 | JSM | EPA 300.0 REV 2.1 |
| Fluoride | < 0.250 | mg/L | | 07/26/24 22:47 | 1 | 0.250 | 07/26/24 22:47 | JSM | EPA 300.0 REV 2.1 |
| Sulfate | 48 | mg/L | | 07/26/24 23:05 | 5 | 5.0 | 07/26/24 23:05 | JSM | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 19.52 | Feet | | 07/24/24 15:30 | 1 | | 07/24/24 15:30 | FIELD | Field* |
| Dissolved oxygen, Field | 2.7 | mg/L | | 07/24/24 15:30 | 1 | | 07/24/24 15:30 | FIELD | Field* |
| Oxidation Reduction Potential | 144 | mV | | 07/24/24 15:30 | 1 | -500 | 07/24/24 15:30 | FIELD | Field* |
| pH, Field Measured | 6.97 | pH Units | | 07/24/24 15:30 | 1 | | 07/24/24 15:30 | FIELD | Field* |
| Specific Conductance, Field Measured | 827.0 | umhos/cm | | 07/24/24 15:30 | 1 | | 07/24/24 15:30 | FIELD | Field* |
| Temperature, Field Measured | 19.6 | °C | | 07/24/24 15:30 | 1 | | 07/24/24 15:30 | FIELD | Field* |
| Turbidity, Field Measured | >1000 | NTU | | 07/24/24 15:30 | 1 | 0.00 | 07/24/24 15:30 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 390 | mg/L | | 08/02/24 09:08 | 1 | 10 | 08/02/24 09:08 | CFM | SM 2320 B-2011* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 08/02/24 09:08 | 1 | 10 | 08/02/24 09:08 | CFM | SM 2320 B-2011* |
| Soluble General Chemistry - | · PIA | | | | | | | | |
| Solids - total dissolved solids (TDS) | 500 | mg/L | | 07/30/24 10:17 | 1 | 26 | 07/31/24 00:00 | CFM | SM 2540 C-2011 |
| <u>Total Metals - PIA</u> | | | | | | | | | |
| Boron | 23 | ug/L | | 07/25/24 09:05 | 5 | 10 | 07/29/24 14:25 | TJJ | EPA 6020A |
| Calcium | 110 | mg/L | | 07/25/24 09:05 | 5 | 0.20 | 07/26/24 12:35 | TJJ | EPA 6020A |
| Magnesium | 54 | mg/L | | 07/25/24 09:05 | 5 | 0.10 | 07/26/24 12:35 | TJJ | EPA 6020A |
| Potassium | 2.7 | mg/L | | 07/25/24 09:05 | 5 | 0.10 | 07/26/24 12:35 | TJJ | EPA 6020A |
| Sodium | 11 | mg/L | | 07/25/24 09:05 | 5 | 0.10 | 07/26/24 12:35 | TJJ | EPA 6020A |

ANALYTICAL RESULTS

Sample: HG05512-01

Name: L103

Alias: DUCK CREEK LANDFILL

Sampled: 07/30/24 12:36 **Received:** 07/30/24 15:54

Matrix: Leachate - Regular Sample

PO #: 1728919

| | | | | | | 10 11 11 200 | .0 | |
|---|--------|----------|--------------------|----------|-------|----------------|-------------|-------------------|
| Parameter | Result | Unit | Qualifier Prepared | Dilution | MRL | Analyzed | Analyst | Method |
| Anions - PIA | | | | | | | | |
| Chloride | 79 | mg/L | 08/12/24 11:40 | 50 | 50 | 08/12/24 11:40 | JSM | EPA 300.0 REV 2.1 |
| Sulfate | 1800 | mg/L | 08/12/24 11:57 | 500 | 500 | 08/12/24 11:57 | JSM | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | |
| Depth, From Measuring Point | 0.52 | Feet | 07/30/24 12:36 | 1 | | 07/30/24 12:36 | FIELD | Field* |
| Dissolved oxygen, Field | 0.0 | mg/L | 07/30/24 12:36 | 1 | | 07/30/24 12:36 | FIELD | Field* |
| Oxidation Reduction Potential | 50.0 | mV | 07/30/24 12:36 | 1 | -500 | 07/30/24 12:36 | FIELD | Field* |
| pH, Field Measured | 7.50 | pH Units | 07/30/24 12:36 | 1 | | 07/30/24 12:36 | FIELD | Field* |
| Specific Conductance, Field Measured | 4150 | umhos/cm | 07/30/24 12:36 | 1 | | 07/30/24 12:36 | FIELD | Field* |
| Temperature, Field Measured | 19.0 | °C | 07/30/24 12:36 | 1 | | 07/30/24 12:36 | FIELD | Field* |
| Turbidity, Field Measured | < 0.00 | NTU | 07/30/24 12:36 | 1 | 0.00 | 07/30/24 12:36 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 150 | mg/L | 08/12/24 11:31 | 1 | 10 | 08/12/24 11:31 | CFM/ TMS | SM 2320 B-2011* |
| Alkalinity - carbonate as CaCO3 | 50 | mg/L | 08/12/24 11:31 | 1 | 10 | 08/12/24 11:31 | CFM/ TMS | SM 2320 B-2011* |
| Fluoride | 0.694 | mg/L | 08/14/24 15:35 | 1 | 0.250 | 08/14/24 15:35 | QTC | SM 4500-F C-2011 |
| Solids - total dissolved solids (TDS) | 3300 | mg/L | 08/05/24 10:28 | 1 | 34 | 08/06/24 15:01 | LAL2 | SM 2540 C-2011 |
| <u>Total Metals - PIA</u> | | | | | | | | |
| Boron | 12000 | ug/L | 07/31/24 09:32 | 50 | 100 | 08/07/24 14:12 | TJJ | EPA 6020A |
| Calcium | 110 | mg/L | 07/31/24 09:32 | 5 | 0.20 | 08/02/24 18:30 | TJJ | EPA 6020A |
| Magnesium | 39 | mg/L | 07/31/24 09:32 | 5 | 0.10 | 08/02/24 18:30 | TJJ | EPA 6020A |
| Potassium | 17 | mg/L | 07/31/24 09:32 | 5 | 0.10 | 08/02/24 18:30 | TJJ | EPA 6020A |
| Sodium | 970 | mg/L | 07/31/24 09:32 | 50 | 1.0 | 08/07/24 14:12 | TJJ | EPA 6020A |
| | | | | | | | | |

ANALYTICAL RESULTS

Sample: HG05733-01 Name: G15S

Matrix: Ground Water - Grab

Sampled: 07/31/24 12:32 Received: 07/31/24 16:35

PO #: 2438773/2438768

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---|----------|----------|-----------|----------------|----------|-------|----------------|-------------|-------------------|
| Anions - PIA | | | | | | | | | |
| Chloride | 10 | mg/L | Q4 | 08/09/24 12:35 | 5 | 5.0 | 08/09/24 12:35 | JSM | EPA 300.0 REV 2.1 |
| Fluoride | 0.256 | mg/L | | 08/09/24 12:18 | 1 | 0.250 | 08/09/24 12:18 | JSM | EPA 300.0 REV 2.1 |
| Sulfate | 42 | mg/L | | 08/12/24 20:22 | 5 | 5.0 | 08/12/24 20:22 | JSM | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 28.09 | Feet | | 07/31/24 12:32 | 1 | | 07/31/24 12:32 | FIELD | Field* |
| Dissolved oxygen, Field | 2.8 | mg/L | | 07/31/24 12:32 | 1 | | 07/31/24 12:32 | FIELD | Field* |
| Oxidation Reduction Potential | 325 | mV | | 07/31/24 12:32 | 1 | -500 | 07/31/24 12:32 | FIELD | Field* |
| pH, Field Measured | 6.99 | pH Units | | 07/31/24 12:32 | 1 | | 07/31/24 12:32 | FIELD | Field* |
| Specific Conductance, Field Measured | 743.0 | umhos/cm | | 07/31/24 12:32 | 1 | | 07/31/24 12:32 | FIELD | Field* |
| Temperature, Field Measured | 16.4 | °C | | 07/31/24 12:32 | 1 | | 07/31/24 12:32 | FIELD | Field* |
| Turbidity, Field Measured | 71.4 | NTU | | 07/31/24 12:32 | 1 | 0.00 | 07/31/24 12:32 | FIELD | Field* |
| General Chemistry - PIA | | | | | | | | | |
| Alkalinity - bicarbonate as CaCO3 | 340 | mg/L | | 08/12/24 11:31 | 1 | 10 | 08/12/24 11:31 | CFM/ TMS | SM 2320 B-2011* |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | 08/12/24 11:31 | 1 | 10 | 08/12/24 11:31 | CFM/ TMS | SM 2320 B-2011* |
| Soluble General Chemistry - Pl | <u>A</u> | | | | | | | | |
| Solids - total dissolved solids (TDS) | 440 | mg/L | | 08/06/24 08:55 | 1 | 17 | 08/06/24 14:00 | LAL2 | SM 2540 C-2011 |
| <u>Total Metals - PIA</u> | | | | | | | | | |
| Boron | 18 | ug/L | | 08/01/24 08:51 | 5 | 10 | 08/01/24 15:58 | TJJ | EPA 6020A |
| Calcium | 89 | mg/L | | 08/01/24 08:51 | 5 | 0.20 | 08/01/24 15:58 | TJJ | EPA 6020A |
| Magnesium | 45 | mg/L | | 08/01/24 08:51 | 5 | 0.10 | 08/01/24 15:58 | TJJ | EPA 6020A |
| Potassium | 0.61 | mg/L | | 08/01/24 08:51 | 5 | 0.10 | 08/01/24 15:58 | TJJ | EPA 6020A |
| Sodium | 10 | mg/L | | 08/01/24 08:51 | 5 | 0.10 | 08/01/24 15:58 | TJJ | EPA 6020A |

ANALYTICAL RESULTS

Sample: HH00162-05

Name: G02S

Matrix: Ground Water - Grab

Sampled: 08/01/24 10:30

Received: 08/01/24 15:06 PO #: 2438773/2438768

| Fluoride 0.263 mg/L 08/09/24 21:17 1 0.250 08/09/24 21:17 JSM EPA 300.0 Rev Sulfate 4 1.0 mg/L 08/09/24 21:17 1 1.0 08/09/24 21:17 JSM EPA 300.0 Rev Sulfate 4 1.0 mg/L 08/09/24 21:17 1 1.0 08/09/24 21:17 JSM EPA 300.0 Rev Sulfate EPA 300.0 Rev Sulfate 4 1.0 mg/L 08/09/24 21:17 1 1.0 08/09/24 21:17 JSM EPA 300.0 Rev Sulfate EPA | Parameter | Result | Unit | Qualifier Prepar | ed Dilut | tion MRL | Analyzed | Analyst | Method |
|--|---------------------------------|----------|----------|------------------|----------|----------|----------------|---------|-------------------|
| Fluoride | Anions - PIA | | | | | | | | |
| Sulfate < 1.0 mg/L 08/09/24 21:17 1 1.0 08/09/24 21:17 JSM EPA 300.0 REV Field - PIA Depth, From Measuring 8.51 Feet 08/01/24 10:30 1 08/01/24 10:30 FIELD Field of Pield | Chloride | 1.3 | mg/L | 08/09/24 | 21:17 1 | 1.0 | 08/09/24 21:17 | JSM | EPA 300.0 REV 2.1 |
| Pield - PIA Pield - Pield | Fluoride | 0.263 | mg/L | 08/09/24 | 21:17 1 | 0.250 | 08/09/24 21:17 | JSM | EPA 300.0 REV 2.1 |
| Depth, From Measuring | Sulfate | < 1.0 | mg/L | 08/09/24 | 21:17 1 | 1.0 | 08/09/24 21:17 | JSM | EPA 300.0 REV 2.1 |
| Point Dissolved oxygen, Field 1.4 mg/L 08/01/24 10:30 1 08/01/24 10:30 Field Field Field Field Potential Ph. Field Measured 6.63 Ph Units 08/01/24 10:30 1 08/01/24 10:30 Field | Field - PIA | | | | | | | | |
| Oxidation Reduction | | 8.51 | Feet | 08/01/24 | 10:30 1 | | 08/01/24 10:30 | FIELD | Field* |
| Potential pH, Field Measured 6.63 pH Units 08/01/24 10:30 1 08/01/24 10:30 FIELD Field* Specific Conductance, Field 818.0 umhos/cm 08/01/24 10:30 1 08/01/24 10:30 FIELD Field* Measured Temperature, Field 17.3 °C 08/01/24 10:30 1 0.00 08/01/24 10:30 FIELD Field* Measured Turbidity, Field Measured 18.3 NTU 08/01/24 10:30 1 0.00 08/01/24 10:30 FIELD Field* Measured Turbidity, Field Measured 18.3 NTU 08/01/24 10:30 1 0.00 08/01/24 10:30 FIELD Field* Measured Turbidity, Field Measured 18.3 NTU 08/01/24 10:30 1 0.00 08/01/24 10:30 FIELD Field* Measured Turbidity, Field Measured 18.3 NTU 08/01/24 10:30 1 0.00 08/01/24 10:30 FIELD Field* Measured Turbidity, Field Measured 18.3 NTU 08/01/24 10:30 1 0.00 08/01/24 10:30 FIELD Field* Measured Turbidity, Field Measured 18.3 NTU 08/01/24 10:30 1 0.00 08/01/24 10:30 FIELD Field* Measured Turbidity, Field Measured 18.3 NTU 08/01/24 10:30 1 0.00 08/01/24 10:30 FIELD Field* Measured 18.3 NTU 08/01/24 10:30 1 0.00 08/01/24 10:30 FIELD Field* Measured 18.3 NTU 08/01/24 10:30 Tible 18.3 | | 1.4 | mg/L | 08/01/24 | 10:30 1 | | 08/01/24 10:30 | FIELD | Field* |
| Specific Conductance, Field 818.0 umhos/cm 08/01/24 10:30 1 08/01/24 10:30 FIELD Field* Measured Temperature, Field 17.3 °C 08/01/24 10:30 1 08/01/24 10:30 FIELD Field* Measured Turbidity, Field Measured 18.3 NTU 08/01/24 10:30 1 0.00 08/01/24 10:30 FIELD Field* General Chemistry - PIA Alkalinity - bicarbonate as 420 mg/L 08/13/24 09:57 1 10 08/13/24 09:57 CFM SM 2320 B-20 CaCO3 Alkalinity - carbonate as < 10 | | -89.0 | mV | 08/01/24 | 10:30 1 | -500 | 08/01/24 10:30 | FIELD | Field* |
| Measured Temperature, Field 17.3 °C 08/01/24 10:30 1 08/01/24 10:30 FIELD Field* Measured Turbidity, Field Measured Turbidity, Field Measured 18.3 NTU 08/01/24 10:30 1 0.00 08/01/24 10:30 FIELD Field* General Chemistry - PIA Alkalinity - bicarbonate as Alalinity - carbonate as CaCO3 420 mg/L 08/13/24 09:57 1 10 08/13/24 09:57 CFM SM 2320 B-20 CaCO3 Alkalinity - carbonate as CaCO3 10 mg/L 08/13/24 09:57 1 10 08/13/24 09:57 CFM SM 2320 B-20 CaCO3 Solids General Chemistry - PIA Solids - total dissolved solids (TDS) 430 mg/L 08/08/24 09:21 1 26 08/08/24 13:03 CFM SM 2540 C-20 CaCO3 Total Metals - PIA Boron 56 ug/L 08/08/24 09:13 5 10 08/12/24 12:10 TJJ EPA 6020A Calcium 99 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 | pH, Field Measured | 6.63 | pH Units | 08/01/24 | 10:30 1 | | 08/01/24 10:30 | FIELD | Field* |
| Measured Turbidity, Field Measured 18.3 NTU 08/01/24 10:30 1 0.00 08/01/24 10:30 FIELD Field* General Chemistry - PIA Alkalinity - bicarbonate as CaCO3 420 mg/L 08/13/24 09:57 1 10 08/13/24 09:57 CFM SM 2320 B-20 CaCO3 Alkalinity - carbonate as CaCO3 <10 | · | 818.0 | umhos/cm | 08/01/24 | 10:30 1 | | 08/01/24 10:30 | FIELD | Field* |
| General Chemistry - PIA Alkalinity - bicarbonate as CaCO3 420 mg/L 08/13/24 09:57 1 1 0 08/13/24 09:57 CFM SM 2320 B-20 CaCO3 Alkalinity - carbonate as CaCO3 < 10 mg/L | · | 17.3 | °C | 08/01/24 | 10:30 1 | | 08/01/24 10:30 | FIELD | Field* |
| Alkalinity - bicarbonate as 420 mg/L 08/13/24 09:57 1 10 08/13/24 09:57 CFM SM 2320 B-20 CaCO3 Alkalinity - carbonate as < 10 mg/L 08/13/24 09:57 1 10 08/13/24 09:57 CFM SM 2320 B-20 CaCO3 Solids - total dissolved solids (TDS) Total Metals - PIA Boron 56 ug/L 08/08/24 09:13 5 10 08/12/24 12:10 TJJ EPA 6020A Calcium 99 mg/L 08/08/24 09:13 5 0.20 08/09/24 16:44 TJJ EPA 6020A Magnesium 37 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A Potassium 0.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DOSAGE CACOA DASSIUM D.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DOSAGE CACOA DASSIUM D.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DOSAGE CACOA DASSIUM D.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DOSAGE CACOA DASSIUM D.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DOSAGE CACOA DASSIUM D.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DOSAGE CACOA DASSIUM D.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DOSAGE CACOA DASSIUM D.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DOSAGE CACOA DASSIUM D.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DOSAGE CACOA DASSIUM D.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DOSAGE CACOA DASSIUM D.85 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DOSAGE CACOA DASSIUM D.85 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DOSAGE CACOA DASSIUM D.85 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DOSAGE CACOA DASSIUM D.85 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DOSAGE CACOA DASSIUM D.85 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DOSAGE CACOA DASSIUM D.85 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DASSIUM D.85 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DASSIUM D.85 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A DASSIUM D.85 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ D.85 mg/L 08/08/24 09:13 DASSIUM D.85 mg/L 08/08/24 09:13 DASSIUM D.85 mg/L 08/08/24 09:13 DASSIUM D. | Turbidity, Field Measured | 18.3 | NTU | 08/01/24 | 10:30 1 | 0.00 | 08/01/24 10:30 | FIELD | Field* |
| CaCO3 Alkalinity - carbonate as C10 mg/L Soluble General Chemistry - PIA Solids - total dissolved solids (TDS) Total Metals - PIA Boron 56 ug/L 08/08/24 09:13 5 10 08/12/24 12:10 TJJ EPA 6020A Calcium 99 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A Magnesium 0.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A Potassium 0.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A | General Chemistry - PIA | | | | | | | | |
| Alkalinity - carbonate as CaCO3 Soluble General Chemistry - PIA Solids - total dissolved solids (TDS) Total Metals - PIA Boron 56 ug/L 08/08/24 09:13 5 10 08/12/24 12:10 TJJ EPA 6020A Calcium 99 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A Magnesium 0.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A | | 420 | mg/L | 08/13/24 | 09:57 1 | 10 | 08/13/24 09:57 | CFM | SM 2320 B-2011* |
| Solids - total dissolved solids (TDS) Total Metals - PIA Boron 56 ug/L 08/08/24 09:13 5 10 08/12/24 12:10 TJJ EPA 6020A Calcium 99 mg/L 08/08/24 09:13 5 0.20 08/09/24 16:44 TJJ EPA 6020A Magnesium 37 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A Potassium 0.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A | Alkalinity - carbonate as | < 10 | mg/L | 08/13/24 | 09:57 1 | 10 | 08/13/24 09:57 | CFM | SM 2320 B-2011* |
| solids (TDS) Total Metals - PIA Boron 56 ug/L 08/08/24 09:13 5 10 08/12/24 12:10 TJJ EPA 6020A Calcium 99 mg/L 08/08/24 09:13 5 0.20 08/09/24 16:44 TJJ EPA 6020A Magnesium 37 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A Potassium 0.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A | Soluble General Chemistry - PIA | <u>\</u> | | | | | | | |
| Boron 56 ug/L 08/08/24 09:13 5 10 08/12/24 12:10 TJJ EPA 6020A Calcium 99 mg/L 08/08/24 09:13 5 0.20 08/09/24 16:44 TJJ EPA 6020A Magnesium 37 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A Potassium 0.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A | | 430 | mg/L | 08/08/24 | 09:21 1 | 26 | 08/08/24 13:03 | CFM | SM 2540 C-2011 |
| Calcium 99 mg/L 08/08/24 09:13 5 0.20 08/09/24 16:44 TJJ EPA 6020A Magnesium 37 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A Potassium 0.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A | Total Metals - PIA | | | | | | | | |
| Magnesium 37 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A Potassium 0.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A | Boron | 56 | ug/L | 08/08/24 | 09:13 5 | 10 | 08/12/24 12:10 | TJJ | EPA 6020A |
| Potassium 0.84 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A | Calcium | 99 | mg/L | 08/08/24 | 09:13 5 | 0.20 | 08/09/24 16:44 | TJJ | EPA 6020A |
| • | Magnesium | 37 | mg/L | 08/08/24 | 09:13 5 | 0.10 | 08/09/24 16:44 | TJJ | EPA 6020A |
| Sodium 14 mg/L 08/08/24 09:13 5 0.10 08/09/24 16:44 TJJ EPA 6020A | Potassium | 0.84 | mg/L | 08/08/24 | 09:13 5 | 0.10 | 08/09/24 16:44 | TJJ | EPA 6020A |
| | Sodium | 14 | mg/L | 08/08/24 | 09:13 5 | 0.10 | 08/09/24 16:44 | TJJ | EPA 6020A |

12 Customer #: 72-104337

| Parameter | Result | Unit | Qual | Spike Level | Source Result | %REC | %REC Limits | RPD | RPC Limi |
|--|---------------|-------|------|----------------|------------------|---------------|----------------|-----|-------------|
| Batch B438965 - SW 3015 - EPA 6020A | | | | | | | | | |
| Blank (B438965-BLK1) | | | | Prepared: 0 |)7/25/24 Anal | yzed: 07/29/2 | 4 | | |
| Boron | < 10 | ug/L | | | | | | | |
| Calcium | < 0.20 | mg/L | | | | | | | |
| Magnesium | < 0.10 | mg/L | | | | | | | |
| Potassium | < 0.10 | mg/L | | | | | | | |
| Sodium | < 0.10 | mg/L | | | | | | | |
| LCS (B438965-BS1) | | | | Prepared: 0 |)7/25/24 Anal | yzed: 07/29/2 | 4 | | |
| Boron | 545 | ug/L | | 555.6 | | 98 | 80-120 | | |
| Calcium | 5.71 | mg/L | | 5.556 | | 103 | 80-120 | | |
| Magnesium | 5.98 | mg/L | | 5.556 | | 108 | 80-120 | | |
| Potassium | 5.64 | mg/L | | 5.556 | | 101 | 80-120 | | |
| Sodium | 5.92 | mg/L | | 5.556 | | 106 | 80-120 | | |
| Matrix Spike (B438965-MS1) | Sample: HG045 | 91-01 | | Prepared: 0 |)7/25/24 Anal | yzed: 07/29/2 | | | |
| Boron | 992 | ug/L | | 555.6 | 455 | 97 | 75-125 | | |
| Calcium | 140 | mg/L | | 5.556 | 136 | 83 | 75-125 | | |
| Magnesium | 77.5 | mg/L | Q4 | 5.556 | 73.6 | 70 | 75-125 | | |
| Potassium | 6.67 | mg/L | | 5.556 | 1.20 | 98 | 75-125 | | |
| Sodium | 62.5 | mg/L | | 5.556 | 58.4 | 73 | 75-125 | | |
| Matrix Spike Dup (B438965-MSD1) | Sample: HG045 | 91-01 | | Prepared: 0 |)7/25/24 Anal | yzed: 07/29/2 | 4 | | |
| Boron | 1030 | ug/L | | 555.6 | 455 | 103 | 75-125 | 4 | 20 |
| Calcium | 143 | mg/L | Q4 | 5.556 | 136 | 129 | 75-125 | 2 | 20 |
| Magnesium | 78.0 | mg/L | | 5.556 | 73.6 | 79 | 75-125 | 0.6 | 20 |
| Potassium | 6.75 | mg/L | | 5.556 | 1.20 | 100 | 75-125 | 1 | 20 |
| Sodium | 62.7 | mg/L | | 5.556 | 58.4 | 78 | 75-125 | 0.4 | 20 |
| Batch B439262 - IC No Prep - EPA 300.0 REV 2.1 | | | | | | | | | |
| Calibration Blank (B439262-CCB1) | | | | Prepared & | Analyzed: 07 | /26/24 | | | |
| Chloride | 0.00 | mg/L | | | | | | | |
| Fluoride | 0.00 | mg/L | | | | | | | |
| Sulfate | 0.00 | mg/L | | | | | | | |
| Calibration Check (B439262-CCV1) | | | | Prepared & | Analyzed: 07 | /26/24 | | | |
| Sulfate | 4.81 | mg/L | | 5.000 | | 96 | 90-110 | | |
| Chloride | 4.98 | mg/L | | 5.000 | | 100 | 90-110 | | |
| Fluoride | 5.13 | mg/L | | 5.000 | | 103 | 90-110 | | |
| Matrix Spike (B439262-MS1) | Sample: HG045 | 91-01 | | Prepared & | Analyzed: 07 | /26/24 | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 214 | NR | 80-120 | | |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 10 | NR | 80-120 | | |
| Fluoride | 1.95 | mg/L | | 1.500 | 0.232 | 115 | 80-120 | | |
| Matrix Spike (B439262-MS2) | Sample: HG045 | 91-11 | | | Analyzed: 07 | | | | |
| Fluoride | 1.90 | mg/L | | 1.500 | 0.240 | 110 | 80-120 | | |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 15 | NR | 80-120 | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 204 | NR | 80-120 | | |
| Matrix Spike Dup (B439262-MSD1) | Sample: HG045 | 91-01 | | Prepared & | Analyzed: 07 | /26/24 | | | |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 10 | NR | 80-120 | 0 | 20 |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 214 | NR | 80-120 | 0 | 20 |

| _ | | | | Spike | Source | | %REC | | RPE |
|--|----------------|--------------|------|----------------------|-----------------|----------------|----------|-----|-----|
| Parameter | Result | Unit | Qual | Level | Result | %REC | Limits | RPD | Lim |
| Matrix Spike Dup (B439262-MSD1) | Sample: HG045 | 91-01 | | Prepared & | Analyzed: 07 | /26/24 | | | |
| Fluoride | 1.92 | mg/L | | 1.500 | 0.232 | 113 | 80-120 | 2 | 20 |
| Matrix Spike Dup (B439262-MSD2) | Sample: HG045 | 91-11 | | Prepared & | Analyzed: 07 | /26/24 | | | |
| Fluoride | 1.87 | mg/L | | 1.500 | 0.240 | 109 | 80-120 | 1 | 20 |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 15 | NR | 80-120 | 0 | 20 |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 204 | NR | 80-120 | 0 | 20 |
| Batch B439343 - No Prep - SM 2540 C-2011 | | | | | | | | | |
| Blank (B439343-BLK1) | | | | Prepared & | Analyzed: 07 | /30/24 | | | |
| Solids - total dissolved solids (TDS) | < 17 | mg/L | | | | | | | |
| LCS (B439343-BS1) | | | | | Analyzed: 07 | | | | |
| Solids - total dissolved solids (TDS) | 973 | mg/L | | 1000 | | 97 | 84.4-107 | | |
| Duplicate (B439343-DUP1) | Sample: HG045 | 91-01 | | Prepared & | Analyzed: 07 | /30/24 | | | |
| Solids - total dissolved solids (TDS) | 810 | mg/L | | | 795 | | | 2 | 5 |
| Duplicate (B439343-DUP2) | Sample: HG045 | | | Prepared & | Analyzed: 07 | /30/24 | | | |
| Solids - total dissolved solids (TDS) | 670 | mg/L | | | 650 | | | 3 | 5 |
| Batch B439360 - No Prep - SM 2540 C-2011 | | | | | | | | | |
| Blank (B439360-BLK1) | | | | Prepared: 0 | 7/30/24 Anal | yzed: 07/31/24 | | | |
| Solids - total dissolved solids (TDS) | < 17 | mg/L | | | | | | | |
| LCS (B439360-BS1) | | | | Prepared: 0 | 7/30/24 Anal | yzed: 07/31/24 | | | |
| Solids - total dissolved solids (TDS) | 977 | mg/L | | 1000 | | 98 | 84.4-107 | | |
| Batch B439363 - IC No Prep - EPA 300.0 REV 2.1 | | | | | | | | | |
| Calibration Blank (B439363-CCB1) | | | | Prepared & | Analyzed: 07 | /29/24 | | | |
| Sulfate | 0.00 | mg/L | | | | | | | |
| Calibration Check (B439363-CCV1) | | | | Prepared & | Analyzed: 07 | /29/24 | | | |
| Sulfate | 4.88 | mg/L | | 5.000 | | 98 | 90-110 | | |
| Batch B439416 - No Prep - SM 4500-F C-2011 | | | | | | | | | |
| Calibration Blank (B439416-CCB1) | | | | Prepared & | Analyzed: 07 | /30/24 | | | |
| Fluoride | 0.100 | mg/L | | | | | | | |
| Calibration Blank (B439416-CCB2) | 0.0000 | /I | | Prepared & | Analyzed: 07 | /30/24 | | | |
| Fluoride | 0.0280 | mg/L | | Dropored 0 | Analyzadi 07 | 120124 | | | |
| Calibration Check (B439416-CCV1) Fluoride | 0.711 | m a/l | | | Analyzed: 07 | | 00.110 | | |
| Calibration Check (B439416-CCV2) | 0.711 | mg/L | | 0.7000 Prepared & | Analyzed: 07 | 102 /30/24 | 90-110 | | |
| Fluoride | 0.688 | mg/L | | 0.7000 | 7 (Talyzea. 07) | 98 | 90-110 | | |
| Matrix Spike (B439416-MS6) | Sample: HG045 | • | | | Analyzed: 07 | | 00 110 | | |
| Fluoride | 1.20 | mg/L | | 1.000 | 0.225 | 98 | 80-120 | | |
| Matrix Spike Dup (B439416-MSD6) | Sample: HG045 | • | | | Analyzed: 07 | | | | |
| Fluoride | 1.21 | mg/L | | 1.000 | 0.225 | 98 | 80-120 | 0.6 | 20 |
| Batch B439474 - SW 3015 - EPA 6020A | | | | | | | | | |
| Blank (B439474-BLK1) | | | | Prepared: 0 | 7/31/24 Anal | yzed: 08/07/24 | | | |
| Dialik (D7007/7-DEIXI) | | | | | | | | | |
| Boron | < 10 | ug/L | | | | | | | |
| | < 10 < 0.20 | ug/L mg/L | | | | | | | |

| _ | | | | Spike | Source | A/ = = = | %REC | | RPE |
|--|---------------|-------|------|-------------|--------------|---------------|----------|-----|-----|
| Parameter | Result | Unit | Qual | Level | Result | %REC | Limits | RPD | Lim |
| Blank (B439474-BLK1) | | | | Prepared: 0 | 7/31/24 Anal | yzed: 08/02/2 | 4 | | |
| Potassium | < 0.10 | mg/L | | | | | | | |
| Sodium | < 0.10 | mg/L | | | | | | | |
| LCS (B439474-BS1) | | | | | 7/31/24 Anal | | | | |
| Boron | 544 | ug/L | | 555.6 | | 98 | 80-120 | | |
| Calcium | 5.72 | mg/L | | 5.556 | | 103 | 80-120 | | |
| Magnesium | 6.03 | mg/L | | 5.556 | | 109 | 80-120 | | |
| Potassium | 5.58 | mg/L | | 5.556 | | 100 | 80-120 | | |
| Sodium | 5.93 | mg/L | | 5.556 | | 107 | 80-120 | | |
| Batch B439582 - SW 3015 - EPA 6020A | | | | | | | | | |
| Blank (B439582-BLK1) | | | | Prepared & | Analyzed: 08 | /01/24 | | | |
| Boron | < 10 | ug/L | | | | | | | |
| Calcium | < 0.20 | mg/L | | | | | | | |
| Magnesium | < 0.10 | mg/L | | | | | | | |
| Potassium | < 0.10 | mg/L | | | | | | | |
| Sodium | < 0.10 | mg/L | | | | | | | |
| LCS (B439582-BS1) | | | | • | Analyzed: 08 | /01/24 | | | |
| Boron | 524 | ug/L | | 555.6 | | 94 | 80-120 | | |
| Calcium | 5.71 | mg/L | | 5.556 | | 103 | 80-120 | | |
| Magnesium | 5.85 | mg/L | | 5.556 | | 105 | 80-120 | | |
| Potassium | 5.84 | mg/L | | 5.556 | | 105 | 80-120 | | |
| Sodium | 5.87 | mg/L | | 5.556 | | 106 | 80-120 | | |
| Matrix Spike (B439582-MS1) | Sample: HG057 | | | • | Analyzed: 08 | | | | |
| Boron | 554 | ug/L | | 555.6 | 18.4 | 96 | 75-125 | | |
| Calcium | 94.3 | mg/L | | 5.556 | 89.5 | 87 | 75-125 | | |
| Magnesium | 49.9 | mg/L | | 5.556 | 44.8 | 92 | 75-125 | | |
| Potassium | 6.40 | mg/L | | 5.556 | 0.607 | 104 | 75-125 | | |
| Sodium | 15.8 | mg/L | | 5.556 | 10.1 | 102 | 75-125 | | |
| Matrix Spike Dup (B439582-MSD1) | Sample: HG057 | | | • | Analyzed: 08 | | | | |
| Boron | 558 | ug/L | | 555.6 | 18.4 | 97 | 75-125 | 0.6 | 20 |
| Calcium | 94.8 | mg/L | | 5.556 | 89.5 | 96 | 75-125 | 0.5 | 20 |
| Magnesium | 50.1 | mg/L | | 5.556 | 44.8 | 95 | 75-125 | 0.4 | 20 |
| Potassium | 6.35 | mg/L | | 5.556 | 0.607 | 103 | 75-125 | 0.8 | 20 |
| Sodium | 15.9 | mg/L | | 5.556 | 10.1 | 104 | 75-125 | 0.8 | 20 |
| Batch B439866 - No Prep - SM 2540 C-2011 | | | | | | | | | |
| Blank (B439866-BLK1) | | | | Prepared: 0 | 8/05/24 Anal | yzed: 08/06/2 | 4 | | |
| Solids - total dissolved solids (TDS) | < 17 | mg/L | | | | | | | |
| LCS (B439866-BS1) | | | | | 8/05/24 Anal | - | | | |
| Solids - total dissolved solids (TDS) | 1000 | mg/L | | 1000 | | 100 | 84.4-107 | | |
| Batch B439872 - No Prep - SM 2320 B-2011 | | | | | | | | | |
| Duplicate (B439872-DUP1) | Sample: HG045 | | | Prepared & | Analyzed: 08 | /02/24 | | | |
| Alkalinity - bicarbonate as CaCO3 | 562 | mg/L | | | 550 | | | 2 | 10 |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | _ | ND | | | | 10 |
| Duplicate (B439872-DUP2) | Sample: HG045 | 91-11 | | Prepared & | Analyzed: 08 | /02/24 | | | |

QC SAMPLE RESULTS

| Result | Unit | Qual | | | | | | |
|---------------|--|---|--|--------------|--------------------------|-------------------------------|-------------------------------|-------------------------------|
| | | Quai | Level | Result | %REC | Limits | RPD | Lin |
| Sample: HG045 | | | Prepared & | Analyzed: 08 | /02/24 | | | |
| 338 | mg/L | | | 325 | | | 4 | 10 |
| | | | | | | | | |
| | | | Prepared & | Analyzed: 08 | /06/24 | | | |
| < 17 | mg/L | | | | | | | |
| | | | Prepared & | Analyzed: 08 | /06/24 | | | |
| 943 | mg/L | | 1000 | | 94 | 84.4-107 | | |
| Sample: HG057 | 33-01 | | Prepared & | Analyzed: 08 | /06/24 | | | |
| 430 | mg/L | | | 445 | | | 3 | 5 |
| | | | | | | | | |
| | | | Prepared: 0 | 8/08/24 Anal | yzed: 08/12/2 | 4 | | |
| < 10 | ug/L | | | | | | | |
| < 0.20 | mg/L | | | | | | | |
| < 0.10 | mg/L | | | | | | | |
| < 0.10 | mg/L | | | | | | | |
| < 0.10 | mg/L | | | | | | | |
| | | | Prepared: 0 | 8/08/24 Anal | yzed: 08/12/2 | 4 | | |
| 599 | ug/L | | 555.6 | | 108 | 80-120 | | |
| 5.77 | mg/L | | 5.556 | | 104 | 80-120 | | |
| 5.95 | mg/L | | 5.556 | | 107 | 80-120 | | |
| 5.81 | mg/L | | 5.556 | | 105 | 80-120 | | |
| 5.94 | mg/L | | 5.556 | | 107 | 80-120 | | |
| Sample: HH001 | 62-03 | | Prepared: 0 | 8/08/24 Anal | yzed: 08/12/2 | 4 | | |
| 590 | ug/L | | 555.6 | 18.8 | 103 | 75-125 | | |
| 105 | mg/L | Q4 | 5.556 | 101 | 68 | 75-125 | | |
| 49.8 | mg/L | | 5.556 | 45.3 | 82 | 75-125 | | |
| 6.41 | mg/L | | 5.556 | 0.617 | 104 | 75-125 | | |
| 18.0 | mg/L | | 5.556 | 12.4 | 100 | 75-125 | | |
| Sample: HH001 | 62-03 | | Prepared: 0 | 8/08/24 Anal | yzed: 08/12/2 | 4 | | |
| 583 | ug/L | | 555.6 | 18.8 | 102 | 75-125 | 1 | 20 |
| 105 | mg/L | | 5.556 | 101 | 78 | 75-125 | 0.5 | 20 |
| 50.1 | mg/L | | 5.556 | 45.3 | 88 | 75-125 | 0.6 | 20 |
| 6.39 | mg/L | | 5.556 | 0.617 | 104 | 75-125 | 0.2 | 20 |
| 18.1 | mg/L | | 5.556 | 12.4 | 102 | 75-125 | 0.7 | 20 |
| | | | | | | | | |
| | | | Prepared & | Analyzed: 08 | /08/24 | | | |
| < 17 | mg/L | | | | | | | |
| | | | · | Analyzed: 08 | | | | |
| | | | | | | 84.4-107 | | |
| • | | | Prepared & | | /08/24 | | | |
| | _ | | | | | | 2 | 5 |
| <u> </u> | | | Prepared & | | /08/24 | | | 5 |
| | 943 Sample: HG057 430 < 10 < 0.20 < 0.10 < 0.10 < 0.10 < 599 5.77 5.95 5.81 5.94 Sample: HH001 590 105 49.8 6.41 18.0 Sample: HH001 583 105 50.1 6.39 18.1 < 17 950 Sample: HH001 10500 | 943 mg/L Sample: HG05733-01 430 mg/L 430 mg/L 430 mg/L 430 mg/L 40.20 mg/L 40.10 mg/L 40.10 mg/L 599 ug/L 5.77 mg/L 5.95 mg/L 5.94 mg/L 5.94 mg/L 5.94 mg/L 49.8 mg/L 49.8 mg/L 49.8 mg/L 49.8 mg/L 49.8 mg/L 6.41 mg/L 18.0 mg/L 383 ug/L 105 mg/L 49.8 mg/L 6.41 mg/L 18.0 mg/L 18.1 mg/L 50.1 mg/L 6.39 mg/L 49.8 mg/L 50.1 mg/L | 943 mg/L Sample: HG05733-01 430 mg/L < 10 ug/L < 0.20 mg/L < 0.10 mg/L < 0.10 mg/L < 0.10 mg/L 599 ug/L 5.77 mg/L 5.95 mg/L 5.94 mg/L 5.94 mg/L Sample: HH00162-03 590 ug/L 105 mg/L 49.8 mg/L 6.41 mg/L 18.0 mg/L Sample: HH00162-03 583 ug/L 105 mg/L 50.1 mg/L 50.1 mg/L 6.39 mg/L 50.1 mg/L | Prepared & | Prepared & Analyzed: 08. | Prepared & Analyzed: 08/06/24 | Prepared & Analyzed: 08/06/24 | Prepared & Analyzed: 08/06/24 |

Batch B440549 - IC No Prep - EPA 300.0 REV 2.1

| | | | | Spike | Source | | %REC | | RPI |
|--|---------------|-------|------|------------|--------------|--------|--------|-----|-----|
| Parameter | Result | Unit | Qual | Level | Result | %REC | Limits | RPD | Lim |
| Calibration Blank (B440549-CCB1) | | | | Prepared & | Analyzed: 08 | /09/24 | | | |
| Fluoride | 0.00 | mg/L | | | | | | | |
| Chloride | 0.00 | mg/L | | | | | | | |
| Sulfate | 0.00 | mg/L | | | | | | | |
| Calibration Check (B440549-CCV1) | | | | Prepared & | Analyzed: 08 | /09/24 | | | |
| Chloride | 4.98 | mg/L | | 5.000 | | 100 | 90-110 | | |
| Sulfate | 4.85 | mg/L | | 5.000 | | 97 | 90-110 | | |
| Fluoride | 5.16 | mg/L | | 5.000 | | 103 | 90-110 | | |
| Matrix Spike (B440549-MS1) | Sample: HG057 | 33-01 | | Prepared & | Analyzed: 08 | /09/24 | | | |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 10 | NR | 80-120 | | |
| Fluoride | 1.68 | mg/L | | 1.500 | 0.256 | 95 | 80-120 | | |
| Matrix Spike (B440549-MS2) | Sample: HH001 | 62-03 | | Prepared & | Analyzed: 08 | /09/24 | | | |
| Fluoride | 1.92 | mg/L | | 1.500 | 0.219 | 113 | 80-120 | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 22.7 | NR | 80-120 | | |
| Chloride | 4.5 | mg/L | | 1.500 | 2.8 | 112 | 80-120 | | |
| Matrix Spike (B440549-MS3) | Sample: HH001 | 62-11 | | Prepared & | Analyzed: 08 | /10/24 | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 2640 | NR | 80-120 | | |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 2500 | NR | 80-120 | | |
| Matrix Spike Dup (B440549-MSD1) | Sample: HG057 | 33-01 | | Prepared & | Analyzed: 08 | /09/24 | | | |
| Fluoride | 1.66 | mg/L | | 1.500 | 0.256 | 94 | 80-120 | 1 | 20 |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 10 | NR | 80-120 | 0 | 20 |
| Matrix Spike Dup (B440549-MSD2) | Sample: HH001 | 62-03 | | Prepared & | Analyzed: 08 | /09/24 | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 22.7 | NR | 80-120 | 0 | 20 |
| Chloride | 4.4 | mg/L | | 1.500 | 2.8 | 109 | 80-120 | 0.8 | 20 |
| Fluoride | 1.88 | mg/L | | 1.500 | 0.219 | 111 | 80-120 | 2 | 20 |
| Matrix Spike Dup (B440549-MSD3) | Sample: HH001 | 62-11 | | Prepared & | Analyzed: 08 | /10/24 | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 2640 | NR | 80-120 | 0 | 20 |
| Chloride | 1.0E9 | mg/L | Q4 | 1.500 | 2500 | NR | 80-120 | 0 | 20 |
| Batch B440591 - No Prep - SM 2320 B-2011 | | | | | | | | | |
| Blank (B440591-BLK1) | | | | Prepared & | Analyzed: 08 | /12/24 | | | |
| Alkalinity - bicarbonate as CaCO3 | 2.50 | mg/L | | | | | | | |
| Alkalinity - carbonate as CaCO3 | < 2.0 | mg/L | | | | | | | |
| Duplicate (B440591-DUP1) | Sample: HG057 | 33-01 | | Prepared & | Analyzed: 08 | /12/24 | | | |
| Alkalinity - bicarbonate as CaCO3 | 338 | mg/L | | | 338 | | | 0 | 10 |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | | ND | | | | 10 |
| Duplicate (B440591-DUP2) | Sample: HG057 | 33-11 | | Prepared & | Analyzed: 08 | /12/24 | | | |
| Alkalinity - bicarbonate as CaCO3 | 562 | mg/L | | | 550 | | | 2 | 10 |
| Batch B440662 - IC No Prep - EPA 300.0 REV 2.1 | | | | | | | | | |
| Calibration Blank (B440662-CCB1) | | | | Prepared & | Analyzed: 08 | /12/24 | | | |
| Sulfate | 0.00 | mg/L | | | • | | | | |
| Calibration Check (B440662-CCV1) | | - | | Prepared & | Analyzed: 08 | /12/24 | | | |
| Sulfate | 4.89 | mg/L | | 5.000 | <u>-</u> | 98 | 90-110 | | |
| Batch B440664 - IC No Prep - EPA 300.0 REV 2.1 | | | | | | | | | |
| Calibration Blank (B440664-CCB1) | | | | Prepared & | Analyzed: 08 | /12/24 | | | |
| Sulfate | 0.00 | mg/L | | • | • | | | | |

| | | | | Spike | Source | | %REC | | RPD |
|--|---------------|-------|------|------------|--------------|--------|--------|-----|-----|
| Parameter | Result | Unit | Qual | Level | Result | %REC | Limits | RPD | Lim |
| Calibration Blank (B440664-CCB1) | | | | Prepared & | Analyzed: 08 | /12/24 | | | |
| Chloride | 0.00 | mg/L | | | | | | | |
| Calibration Check (B440664-CCV1) | | | | Prepared & | Analyzed: 08 | /12/24 | | | |
| Sulfate | 4.83 | mg/L | | 5.000 | | 97 | 90-110 | | |
| Chloride | 4.93 | mg/L | | 5.000 | | 99 | 90-110 | | |
| Batch B440802 - No Prep - SM 2320 B-2011 | | | | | | | | | |
| Duplicate (B440802-DUP1) | Sample: HH001 | 62-03 | | Prepared & | Analyzed: 08 | /13/24 | | | |
| Alkalinity - carbonate as CaCO3 | < 10 | mg/L | | | ND | | | | 10 |
| Alkalinity - bicarbonate as CaCO3 | 412 | mg/L | | | 425 | | | 3 | 10 |
| Batch B440849 - No Prep - SM 4500-F C-2011 | | | | | | | | | |
| Calibration Blank (B440849-CCB1) | | | | Prepared & | Analyzed: 08 | /14/24 | | | |
| Fluoride | 0.0280 | mg/L | | | | | | | |
| Calibration Blank (B440849-CCB2) | | | | Prepared & | Analyzed: 08 | /14/24 | | | |
| Fluoride | 0.0140 | mg/L | | | | | | | |
| Calibration Check (B440849-CCV1) | | | | Prepared & | Analyzed: 08 | /14/24 | | | |
| Fluoride | 0.698 | mg/L | | 0.7000 | | 100 | 90-110 | | |
| Calibration Check (B440849-CCV2) | | | | Prepared & | Analyzed: 08 | /14/24 | | | |
| Fluoride | 0.710 | mg/L | | 0.7000 | | 101 | 90-110 | | |
| Matrix Spike (B440849-MS5) | Sample: HG057 | 33-04 | | Prepared & | Analyzed: 08 | /14/24 | | | |
| Fluoride | 1.25 | mg/L | | 1.000 | 0.211 | 104 | 80-120 | | |
| Matrix Spike Dup (B440849-MSD5) | Sample: HG057 | 33-04 | | Prepared & | Analyzed: 08 | /14/24 | | | |
| Fluoride | 1.28 | mg/L | | 1.000 | 0.211 | 107 | 80-120 | 2 | 20 |

NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807 USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389 TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050 Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

Q4 The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level. The associated blank spike was acceptable.

Diani Bellings

TNI

Certified by: Diane Billings, Project Manager

| Ľ |)C-2 | 257- | | | | 16 | 15 | 14 | ı, | 12 | 11 | 10 | 9 | ce | 7 | 6 | S | - | 3 | 2 | - | ITEM# | T | 7 | Requested | Trione. (*(r) 100-001) | Dham (247 | | Address: | Company: |
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| SIGNATURE of SAMPLER | PRINT Name of SAMPLER: | SAMPLER NAME AND SIGNATURE | | 7/24/24 | - | 1545 | 0251 | 1530 | 1400 | 1200 | 9501 | 1201 | 1345 | 1243 | 1150 | 0201 | 9541 | 1513 | 1239 | 1134 | 1400 | TIME | TED | | | | | avistracorp.com | vistracoro.com | |
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| 1 | 6 | | | | ACCEPTED BY | - | - | - | - | - | - | - | - | - | - | - | - | - | | | - | Methanol Other | 1 | | | | | > | Ğ. | * |
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| , | | 15h7/ | | | DATE | | 1 | 7 | \$ DO. | | e d | T | 4 | 4 | 7 | 7 | 1 | 7 | | \forall | 7 | DC-845-205 | | sis F | S | Site Location | T | NPDES | - 1 | |
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| Cool | led ler (Y/N | () | | | CONDITIONS | - 1 | | | | | П | | | | | | | 1 | | | | Project No./ Lab I.D | | | | | | DRINKING WATER | | |
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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

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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| | | | 0 | us. | | | - 0 | 1 m | 213/124 | 7/3/124 06 | JANO, 2114 | I HAI | | | | | | | | | PROBLEMS WATER DWA WATER WATER | Valid Matrix Codes | | 10 day | | | | | | |
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| PRINT Name of SAMPLER: SIGNATURE of SAMPLER: | SAMPLER NAME AND SIGNATURE | | 7/3 | | | | | 152 | 1527 | 1419 | 1325 | 8661 | 0111 | 105 | 1143 | LHEI | 1358 | 1405 | 1535 | 1332 | TME | COLLECTED | | | | | and wistracorp.co | @vistracorp.com | | Section C Invoice Information: |
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| CHAIN-OF-CUSTODY / Analytical Request Document |

DUCK CREEK, LANDFILL ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT Samples Intact (V/V) Project No./ Lab I.D. SAMPLE CONDITIONS DRINKING WATER Custody Sealed Cooler (Y/N) 100 HH OTHER Received on Ice (Y/V) REGULATORY AGENCY Page: Residual Chlorine (Y/N) So J. ni qmeT S GROUND WATER 1 FedEx UPS W TIME 1500 DC-MbCb-503-509 RCRA DC-SUP-000 Requested Analysis Filtered STATE: Site Location DC-CLOSURE-201-202 36 N DATE Ju. DC-842-502 NPDES 10/80 3 UST DC-842-503 DC-842-501-505 DC-811-50¢ DATE Signed (MM/DD/YY): / AFFILIATION DC-521-509 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately DC-521-50¢ DC-521-503 ACCEPTED BY Analysis Test N/A grade Other Methanol Vistra Corp see Section A NazSzoa HOBN how HCI Invoice Information HNO3 Company Name: H2SO4 1506 TIME Unpreserved Address: co 0 I 3 # OF CONTAINERS SIGNATURE of SAMPLER: PRINT Name of SAMPLER: SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION DATE Daryl Johnson: Robert Johnson@vistracorp.com 9860 1312 4181 8811 130 TIME 330 140 COLLECTED RELINQUISHED BY / AFFILIATION 48/1/8 134 HE1118 1/34 48/1 HC/1/8 DATE 3 Section B Required Project Information: W 8 00 8 3 Sam Davies: Project Number: 2285 0 0 0 9 O O 0 D 0 0 0 C SAMPLE TYPE (G=GRAB C=COMP) 0 urchase Order No GM 3 3 3 S 3 3 3 3 GE 3 MATRIX CODE (see valid codes to left) Copy To: 11/24 Valid Matrix Codes DRINKING WATER DW
WATER WY
WASTE WATER WW
PRODUCT P
SOIL/SOULD SL
OIL OL
WIPE WP
ARR AR DOD GO 10 day 0 lun ADDITIONAL COMMENTS DC-24Q2 Rev (A-Z, 0-9/.-) Sample IDs MUST BE UNIQUE SAMPLE ID 17751 North Cilco Rd Th 7159 Canton, IL 61520 7959 R 735 R13L 657 658 7599 7119 0734 Requested Due Date/TAT: Section D Required Client Information (217) 753-8911 15 16 12 13 4 10 = # MBTI

SAR-3: Episodic Depth to Groundwater Measurements All DTWs on SAR-3 must be collected within 24 hours.

Plant: DC

| Well | Unique ID | Unit Numt | Unit Name | Date | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|--------|------------|-------------|-----------|----------|------|---|-------------|----------|
| G54C | DC_G54!C | 203 | GMF | 7/22/24 | 1347 | 36,24 | 0 | JB |
| OM100S | DC_OM100#S | 201- 202 | AP1/ 2 | 7/22/24 | 1132 | 11,88 | TD = 28.03 | 20 |
| OM100D | DC_OM100&D | 201- 202 | AP1/ 2 | 7/22/24 | 1130 | 11,71 | TD= 56.31 | 20 |
| OM101S | DC_OM101#S | 201- 202 | AP1/ 2 | 7/22/24 | 1534 | 15,42 | TD=19.97 | 20 |
| OM101D | DC_OM101&D | 201- 202 | AP1/ 2 | 7/22/24 | 1536 | 17.00 | to=36.33 | ZD |
| OM12D | DC_OM12&D | 201- 202 | AP1/ 2 | 7/22/24 | 1234 | 16.20 | TD-54.83 | APP |
| OM15D | DC_OM15&D | 201- 202 | AP1/ 2 | 7/22/24 | 1009 | 24.54 | | 20 |
| OM17D | DC_OM17&D | 201- 202 | AP1/ 2 | 7/22/24 | 458 | 14.73 | 10:43.27 | 20 |
| OM26 | DC_OM26 | 201- 202 | AP1/ 2 | 7/22/24 | 1408 | 30,15 | TD: 62.08 | 20 |
| OM27 | DC OM27 | 201- 202 | AP1/ 2 | 7/22/24 | 1401 | 32,34 | D=62,20 | 50 |
| OM28 | DC_OM28 | 201- 202 | AP1/ 2 | 7/22/24 | 1356 | 46.97 | 10:68:95 | 10 |
| XPW01 | DC_XPW01 | | AP1/ 2 | 7/22/24 | | 6.98 | Doy | AF |
| BA01C | DC-BA01!C | 205 | ВАВ | 7/22/21 | | 12,74 | | APP |
| BA01L | DC-BA01!L | 205 | ВАВ | 7/22/24 | 1159 | 12.71 | | App |
| G02L | DC-G02!L | 204 | LF | onlaake | 1100 | 8.15 | DTB-1800 | Mas |
| G02D | DC-G02&D | 204 | LF | OVARION | 1105 | 21.05 | 78,51-BTB | Varis |
| G03L | DC-G03!L | 204 | LF | 01/22/24 | 1001 | 6.42 | 26.43 - DT3 | KNE |
| G03S | DC-G03#S | 204 | LF | orlasky | 1008 | 6.04 | Pump - | Ruo |
| G04L | DC-G04!L | 204 | LF | of salay | un | 14.70 | 17.04-DTB | Kur |
| G04S | DC-G04#S | 204 | LF | odaalay | 1113 | 14.51 | Pomp- | Muy |
| G06L | DC-G06!L | 204 | LF | 07/22/24 | 1533 | 19.70 | 23.46-DTB | Kery |
| G06S | DC-G06#S | 204 | LF | odesky | 1531 | 20.00 | Pump | Kee |
| G07L | DC-G07!L | 204 | LF | ONaake | 1525 | 1935 | 23.09-073 | KuO |

SAR-3: Episodic Depth to Groundwater Measurements

All DTWs on SAR-3 must be collected within 24 hours.

Plant:

DC

Event: DC-24Q3 Rev 0

| Well | Unique ID | Unit Numl | Unit Name | Date | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|------|-----------|-----------|-----------|--------------|------|---|---------------------|----------|
| G08L | DC-G08!L | 204 | LF | ontaday | 1485 | 19.00 | 20.13-DTB | BUE |
| G09L | DC-G09!L | 204 | LF | Onlawlay | 1422 | 19.35 | 33,43-DTB | Bast |
| G09S | DC-G09#S | 204 | LF | 07/22/24 | 1401 | 19.43 | Pump | KIA |
| G12L | DC-G12!L | 204 | LF | orlasky | 1350 | 16.69 | Pomp | 12-18 |
| G12S | DC-G12#S | 204 | LF | 07/2/24 | 1351 | 18,69 | Domp | KOVE |
| G14L | DC-G14!L | 204 | LF | 07/22/24 | 1321 | 21-32 | 26.86-DTB | Keles |
| G15L | DC-G15!L | 204 | LF | Orbaky | 1240 | au.56 | 34.57-DT3 | RIW |
| G15S | DC-G15#S | 204 | LF | 07/22/24 | 1239 | 27.00 | Pore | Kus |
| G16L | DC-G16!L | 204 | LF | orbatay | 1233 | 24.84 | Pomp | My V. |
| G50L | DC-G50!L | 203 | GMF | 7/22/24 | 1333 | 11.56 | | to |
| G51L | DC-G51!L | 203 | GMF | 7/22/24 | 1049 | 12.22 | | JB |
| G52L | DC-G52!L | 203 | GMF | 7/22/24 | 1019 | 24.34 | | SB |
| G52S | DC-G52#S | 203 | GMF | 7/22/24 | 1027 | 29.64 | Lock hand to open + | MR |
| G53L | DC-G53!L | 203 | GMF | 7/22/24 | 1107 | 10.96 | | B |
| G53S | DC-G53#S | 203 | GMF | 7/22/24 | un | 12.84 | Lock rusting | B |
| G55L | DC-G55!L | 203 | GMF | 7/22/24 | 1345 | 18.61 | | AW |
| G55S | DC-G55#S | 203 | GMF | 7/22/24 | 1344 | 18,59 | | AW |
| G56L | DC-G56!L | 203 | GMF | 7/22/24 | 1132 | 17,83 | | AW |
| G56S | DC-G56#S | 203 | GMF | 7/22/24 | 1133 | 17,20 | | AW |
| G57L | DC-G57!L | 203 | GMF | 7/22/24 | 1204 | 18.81 | | AW |
| G58L | DC-G58!L | 203 | GMF | 07/22/24 | 1623 | 22.13 | 33.87-DTB | Ring |
| G58S | DC-G58#S | 203 | GMF | / A COX IX T | 1622 | 82.07 | Pour | pus |
| G59L | DC-G59!L | 203 | GMF | 7/33/34 | 1826 | 19.19 | Needed different | B |

Page 2 of 6

35.36-DTJ

SAR-3: Episodic Depth to Groundwater Measurements All DTWs on SAR-3 must be collected within 24 hours.

Plant: DC

| Well | Unique ID | Unit Num! | Unit Name | Date | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|-------|-----------|-------------|-----------|----------|-------|---|----------------------|----------|
| G59S | DC-G59#S | 203 | GMF | 7/22/24 | 1220 | 30.99 | | 38 |
| G61S | DC-G61#S | 203 | GMF | 7/22/24 | 1204 | 17.62 | | 13 |
| G62L | DC-G62!L | 203 | GMF | 7/22/24 | 1148 | 18.72 | | JB |
| G63L | DC-G63!L | 203 | GMF | 7/22/24 | 1705 | 21,65 | | 48 |
| G63S | DC-G63#S | 203 | GMF | 7/22/24 | 1706 | 22.47 | | AM |
| G65L | DC-G65!L | 203 | GMF | 7/22/24 | 13:47 | 16.46 | Peristaltic | AL |
| G65S | DC-G65#S | 203 | GMF | 7/22/24 | 10:58 | 16.76 | Dedicated Bladder | Au |
| G66L | DC-G66!L | 203 | GMF | 7/22/24 | 11:12 | 14.20 | Peristantic | Au |
| G66S | DC-G66#S | 203 | GMF | 7/22/24 | 11:10 | 4.59 | Dedicated Bladder | AL |
| G67L | DC-G67!L | 203 | GMF | 7/22/24 | 11:23 | Hal. | Peristaltic | Ah |
| G67S | DC-G67#S | 203 | GMF | 7/22/24 | 11:22 | 12.67 | Dedicated Bladder | Au |
| G68L | DC-G68!L | 203 | GMF | 7/22/24 | 13:25 | 12.30 | Portable OTB: 17.10 | ALL |
| G68S | DC-G68#S | 203 | GMF | 7/22/24 | 13:27 | 13:50 | Dedicated Bladder | AW |
| G69L | DC-G69!L | 203 | GMF | 1/22/24 | 13:08 | 12.16 | Portable DTB: 27.80 | AW |
| G69S | DC-G69#S | 203 | GMF | 1/22/24 | 13:11 | 15.93 | Dedicated Bladdes | An |
| G70L | DC-G70!L | 203 | GMF | 7/22/24 | 10:28 | 15.99 | Dedicated Bladder | Alw |
| G71L | DC-G71!L | 203 | GMF | 7/22/24 | 10.33 | 22.72 | Peristaltic | AV |
| G71S | DC-G71#S | 203 | GMF | 0/22/24 | 1557 | 23,55 | Pinp | Pyce |
| G72L | DC-G72!L | 203 | GMF | 7/22/24 | 10:43 | 21.92 | Peristantic | AL |
| G73L | DC-G73!L | 203 | GMF | 07/2/24 | 1559 | 23.73 | Pump | Rus |
| L103 | DC-L103 | 204 | LF | 07/22/24 | 1304 | | ARTISAN | Bu |
| OM05S | DC-OM05#S | 201- 202 | AP1/ 2 | 7/22/24 | 1331 | 20,64 | | AA |
| OM08 | DC-OM08 | 201- 202 | AP1/ 2 | 7/22/24 | 1319 | 13,20 | TO- 27,p | I |

SAR-3: Episodic Depth to Groundwater Measurements All DTWs on SAR-3 must be collected within 24 hours.

Plant: DC

| Well | Unique ID | Unit Numt | Unit Name | Date * | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|-------|-----------|-------------|-----------|----------|-------|---|--------------|----------|
| OM09 | DC-OM09 | 201- 202 | AP1/ 2 | 7/22/24 | 1347 | 3,58 | tb=27,04 | Ja |
| OM10 | DC-OM10 | | AP1/ 2 | 7/22/24 | 1108 | 9,23 | D=21.90 | 1 |
| OM15 | DC-OM15 | | AP1/ 2 | 7/22/24 | 1012 | 20.94 | 10-21,10 | 30 |
| OM225 | DC-OM22#S | 201- | | 7/22/24 | | 17.07 | TD:40,21 | |
| OM23S | DC-OM23#S | | AP1/ 2 | 7/22/24 | 1247 | 40,81 | TD 246.15 | |
| OM25D | DC-OM25&D | 202 | AP1/ 2 | 7/22/24 | 1233 | 57.73 | TD: 77.48 | |
| OR03S | DC-OR03#S | 202 | AP1/ 2 | 7/22/24 | 1444 | 45.22 | 1 | APP |
| OR05D | DC-OR05&D | 202 | AP1/ 2 | 7/22/24 | 1328 | 21.32 | | App |
| OR14S | DC-OR14#S | 201- 202 | AP1/ 2 | 7/22/24 | 1356 | 6.58 | | APP |
| OR18 | DC-OR18 | 201- 202 | AP1/ 2 | 7/22/24 | 1141 | 17.59 | 53.07 = 70 | Kub |
| P01L | DC-P01!L | 204 | LF | 07/22/24 | 1018 | 9.36 | 82.33 -DTB | 1200 |
| P01S | DC-P01#S | 204 | LF | onlasky | 1020 | 8.27 | 29.66 - DTB | Kuro |
| P01I | DC-P01\$I | 204 | LF | 01/22/24 | 1014 | 8.53 | 46-96 - DTB | KN |
| P02S | DC-P02#S | 204 | LF | 07/22/24 | 1057 | 13.84 | 91.86 - DTB | KNO |
| P04S | DC-P04#S | 204 | LF | 02/22/24 | 1113 | 14.51 | SAME AS GOYS | AMO |
| P05L | DC-P05!L | 204 | LF | 01/22/24 | 1124 | 3.04 | 14.92 - 0-3 | KWO |
| P05S | DC-P05#S | 204 | LF | 07/22/04 | 1641 | 3-19 | Punt | Kano |
| P05D | DC-P05&D | 204 | LF | 07/22/24 | 16044 | 5.09 | 45.93-0-18 | xmy |
| P36L | DC-P36!L | 204 | LF | 01/2/24 | 1512 | 9.60 | Pino | FUVE |
| P36S | DC-P36#S | 204 | LF | orbalay | 1513 | 9.26 | 31.44-DTB | Kun |
| P36D | DC-P36&D | 204 | LF | 07/22/24 | 1515 | 10.30 | 24.28 - DTB | 400 |
| P37L | DC-P37!L | 204 | LF | 07/22/24 | 1401 | 12.3Ce | Pimp | KNO |
| P37D | DC-P37&D | 204 | LF | 01/22/24 | 1403 | 14.19 | 45.19 - DT3 | 1400 |

SAR-3: Episodic Depth to Groundwater Measurements

All DTWs on SAR-3 must be collected within 24 hours.

Plant: DC

| Well | Unique ID | Unit Numt | Unit Name | Date | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|-------|------------|-----------|-----------|----------|---------|---|--------------|----------|
| P38L | DC-P38!L | 204 | LF | or balay | 1313 | 14.72 | 078-19.79 | KM |
| P38S | DC-P38#S | 204 | LF | orbalay | 1316 | 14.08 | DT3-22.32 | KING |
| P39L | DC-P39!L | 204 | LF | 07/22/24 | 1207 | 4.72 | DTB-15:08 | Est |
| P39S | DC-P39#S | 204 | LF | ONJaby | 1202 | 4.85 | 26.28 | XIE |
| P39D | DC-P39&D | 204 | LF | orboby | 1204 | 12.39 | DTR 43-57 | Kon |
| P40L | DC-P40!L | 204 | LF | orbady | 555 | 80.51 20.4100 | 0 ATB-20.416 | KM |
| P40S | DC-P40#S | 204 | LF | 07/22/24 | เรอใ | 5.72 | DTB-35-33 | Bue |
| P41L | DC-P41!L | 204 | LF | 07/82/84 | 1639 | 5.51 | DTB-12.14 | Rue |
| P41S | DC-P41#S | 204 | LF | 07/22/24 | 1638 | 7.90 | DTB-31.418 | Luo |
| P41D | DC-P41&D | 204 | LF | orbalay | 1637 | 34.20 | 69.02 | kar |
| P42L | DC-P42!L | 204 | LF | 07/22/24 | _ | _ | BROKEN | Ew. |
| P42S | DC-P42#S | 204 | LF | 07/22/24 | 1633 | 5.33 | 31.56-DTB | Au |
| P42I1 | DC-P42\$I1 | 204 | LF | orbaby | 1632 | 5.64 | 42-23-DTB | PM |
| P42I2 | DC-P42%I2 | 204 | LF | 07/22/24 | 1630 | 31.69 | 57.31 | KW |
| P42D | DC-P42&D | 204 | LF | อกมาใจน | 1629 | 36.84 | DTB-77252 | BU |
| P52 | DC-P52 | 203 | GMF | 07/2/24 | 1620 | 12.08 | NTB-28,27 | 90 |
| P57L | DC-P57!L | 203 | GMF | 07/2/24 | 1614 | 4,38 | DTB-22.57 | JA |
| P57S | DC-P57#S | 203 | GMF | 01/22/24 | 6/6 | 3.94 | DTA -34,35 | In |
| P60 | DC-P60 | 203 | GMF | 0122/24 | 1211 | 1846 | | To |
| P61 | DC-P61 | 203 | GMF | Maday | 1315 | 6.78 | | JD |
| P62 | DC-P62 | 203 | GMF | 1/1 | 1250 | 8.71 | | ID |
| P63 | DC-P63 | 203 | GMF | | h I I I | 12.49 | | 10 |
| P64 | DC-P64 | 203 | GMF | 1/1 | 1363 | 13.30 | | ID |

APPENDIX A. ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204

SAR-3: Episodic Depth to Groundwater Measurements

All DTWs on SAR-3 must be collected within 24 hours. Plant: DC

Event:

DC-24Q3 Rev 0

| Weil | Unique ID | Unit Num! | Unit Name | Date | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|------|----------------------|-----------|-----------|----------|--------|---|-------------|----------|
| R10L | DC-R10!L | 204 | LF | OTBaby | 11028 | 19.89 | | |
| R11L | DC-R11!L | 204 | LF | 07 22 24 | 1354 | 10.53 | DT8-26.72 | KMD |
| R13L | DC-R13!L | 204 | LF | 0422/24 | 1345 | 1906 | DT3-29.97 | KM |
| R61L | DC-R61!L | 203 | GMF | 07/22/24 | 1202 | 17.48 | | |
| R72S | DC-R72#S | 203 | GMF | orlasby | 1040 | 21.51 | PERISTALTIC | |
| T43L | DC-T43!L | 204 | LF | orlasby | 1428 | 5.Ce5 | POMP | RHO |
| T44L | DC-T44!L | 204 | LF | orlaslau | 1430 | 9.52 | PUMP | EWY |
| T45L | DC-T45!L | 204 | LF | 0-120/21 | 1455 | 7.40 | PUMP | Kew |
| T46L | DC-T46!L | 204 | LF | 0-62/24 | 1518 | 5.89 | POMP | MUD |
| X301 | DC-X301- leachate | 203 | GMF | 072224 | 100200 | 49.30 | | 15.4 |

U:6/19/23 GKJ

APPENDIX A. ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204

SAR-4: Depth to Groundwater Measurements - On-site Transducer Downloads
All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.
Transducer data on SAR-4 form may be collected at anytime during the sampling event.

Plant: Event:

DC-24Q3 Rev 1

| | | | | | | | - | On-site | Transducer Data | | | | 1 |
|-------|-----------|-------------|-----------|-----------|------|---|---------------------------|---|----------------------------------|--------------------------|-------------------|----------|----------|
| Well | Unique ID | Unit Number | Unit Name | Date | Time | Measured Depth to Water (ft bmp) | Data Logger Serial No. | Does Data Logger Serial No. Match? | WL Reading on Transducer (ft) | Data down- loaded? | Batt (H/M/L/R) | Comments | Initials |
| BA01 | DC-BA01 | 205 | ВАВ | 7/22/24 | 1156 | 13.29 | 21615533 | yes | 574.1342 | yes | H | | App |
| BA02 | DC-BA02 | 205 | ВАВ | 7/22/24 | 1216 | 8.93 | 21615636 | yes | 571.2715 | ves | H | | Pap |
| BA02L | DC-BA02!L | 205 | ВАВ | 7/22/24 | 1219 | 8.74 | 21615682 | Ves | 571.3186 | yes | H | | APO |
| BA03 | DC-BA03 | 205 | ВАВ | 7/22/24 | 1124 | 8.05 | 21615637 | 125 | 570.478 | 405 | И | | Ago |
| BA03L | DC-BA03!L | 205 | ВАВ | 7/22/24 | 1120 | 7.47 | 21615687 | Ves | 568.6324 | yes | H | | Alo |
| BA04 | DC-BA04 | 205 | ВАВ | 7/22/24 | llog | 4.7/ | 21615631 | yes | 573.6833 | yes | 4 | | De |
| BA05 | DC-BA05# | 205 | ВАВ | 7/22/24 | 1143 | 17.97 | 21615540 | Ves | 577.8438 | Ves | H | | App |
| BA06 | DC-BA06 | 205 | ВАВ | 7/22/24 | 1135 | 20-15 | 21615525 | yes | 575.7928 | Ves | H | | PAP |
| G02S | DC-G02#S | 204 | LF | ०७१/२०/२५ | 1100 | 786 | 21615554 | Yas | C014. \$1 | 425 | H | | 24 |
| G50S | DC-G50#S | 203 | GMF | 7/22/24 | 1328 | 12.54 | 21615535 | Yes | 611.28 | Yes | High | er. | 33 |
| G51S | DC-G51#S | 203 | GMF | 7/22/24 | 1044 | 11.42 | 21615691 | Yes | 606.80 | Yes | High | | 213 |
| G54L | DC-G54!L | 203 | GMF | 7/22/24 | 0958 | 20.93 | 21615690 | Yes | 607.96 | Yes | High | | B |
| G54S | DC-G54#S | 203 | GMF | 7/22/24 | 1005 | 22.29 | 21615684 | Yes | 601.08 | Yes | High | | 4B |
| G57S | DC-G57#S | 203 | GMF | 7/22/24 | 1201 | 18.46 | 21615683 | Ves | 604.1H | Yes | 14 | | Au |
| G60L | DC-G60!L | 203 | GMF | 7/20/24 | 1940 | 9.29 | 21615678 | Yes | 606.01 | Yes | High | | B |
| G60S | DC-G60#S | 203 | GMF | 7/22/24 | 1238 | 21.31 | 21615677 | Yes | 593.75 | Yes | High | | B |
| G64L | DC-G64!L | 203 | GMF | 7/22/24 | 1130 | 8.06 | 21615688 | Yes | 601.60 | Yes | High | | 1/B |
| G645 | DC-G64#S | 203 | GMF | 7/20134 | 1127 | 22.21 | 21615632 | Yes | 600.96 | Yes | High | | 1/3 |

APPENDIX A.
ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204

SAR-4: Depth to Groundwater Measurements - On-site Transducer Downloads

All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period. Transducer data on SAR-4 form may be collected at anytime during the sampling event.

Plant: DC

| | | | 100 | | | | | On-site | Transducer Data | | | | |
|-------|-----------|-------------|------------|---------|-------|---|---------------------------|---|----------------------------------|--------------------------|-------------------|---------------|----------|
| Well | Unique ID | Unit Number | Unit Name | Date | Time | Measured Depth to Water (ft bmp) | Data Logger Serial No. | Does Data Logger Serial No. Match? | WL Reading on Transducer (ft) | Data down- loaded? | Batt (H/M/L/R) | Comments | Initials |
| OM01 | DC-OM01 | 202 | | 7/22/24 | 14491 | 9.16 | 21615685 | Yes | 586.1435 | 405 | H | | 50 |
| OM04S | DC-OM04#S | 202 | | 7/22/24 | 1426 | 19.64 | 21615542 | yes | 587,5785 | yes | H | | AA |
| OM07 | DC-OM07 | 202 | | 7122/24 | 1300 | 11.34 | 21615541 | NO | - | NO | | No Transtruer | - 4 |
| OM12 | DC-OM12 | 201 | -AP1/ 2 | 7/22/24 | 1239 | 15.17 | 21615527 | NO | - | NO | _ | NO TEANSHULL | Par |
| OM16 | DC-OM16 | 201 202 | AP1/ 2 | 7/22/24 | 1047 | 26.46 | 21615539 | Yes | 582.6077 | Ves | 11 | | ID |
| OM17 | DC-OM17 | 201 202 | AP1/ 2 | 7/22/24 | 1055 | 11,20 | 21615693 | ves | 580.6229 | yes | H | | I |
| OM21 | DC-OM21 | 201 202 | | 7/22/24 | 1416 | 9.47 | 21615593 | yes | 596.9011 | yes | H | | SA |
| OM22D | DC-OM22&D | 202 | | 7/22/24 | 1300 | 16.80 | 21615592 | yes | 582.2973 | val | И | | 50 |
| OM23D | DC-OM23&D | 201 202 | -AP1/ 2 | 7/22/24 | 1244 | 37.64 | 21615591 | 415 | 575, 6738 | Yes | 4 | | JD |
| OM24D | DC-OM24&D | 201 | AP1/ 2 | 7/22/24 | 1220 | 3,49 | 21615522 | V.05 | 573.4683 | yes | H | | In |
| OM25S | DC-OM25#S | 201 | AP1/ 2 | 7/22/24 | 12201 | 57,97 | 21615681 | yes | 571,2313 | yes | 1-1 | | JD |
| OR02 | DC-OR02 | 202 | | 7/22/24 | 1453 | 4.91 | 21615679 | Ves | 596.3070 | 15 | H | | APP |
| OR03D | DC-OR03&D | 201 | AP1/ 2 | 7/22/24 | 1445 | 44.70 | 21615577 | yes | 58-3.1636 | 1005 | H | | Ap |
| OR04D | DC-OR04&D | 202 | | 7/22/24 | 1428 | 21,00 | 21615570 | yes | 586,5686 | Ves | H | | Age |
| OR06A | DC-OR06!A | 201 | AP1/ 2 | 7/22/24 | 1318 | 13.45 | 21615692 | 185 | 581.9741 | | H | | Ap |
| OR11 | DC-OR11 | 201 202 | AP1/ 2 | 7/22/2K | 1433 | 30.31 | 21615686 | yes | 565,0183 | 400 | H | | JO |
| OR13S | DC-OR13#S | 201- 202 | AP1/ 2 | 7/22/24 | 1341 | 12.41 | 21615676 | V165 | 590,1160 | 425 | H | | APA |
| OR13D | DC-OR13&D | 201- 202 | AP1/ 2 | 7/23/24 | 134H | 12.85 | 21564135 | VES | 589.7038 | 415 | H | | 30 |

APPENDIX A. ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204

SAR-4: Depth to Groundwater Measurements - On-site Transducer Downloads

All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period. Transducer data on SAR-4 form may be collected at anytime during the sampling event.

Plant: DC

Event: DC-24Q3 Rev 1

| | | | 11 | | | | | On-site | Transducer Data | | | | |
|----------------------|-----------------|-------------|-----------|---------|------|---|---------------------------|---|----------------------------------|--------------------------|-------------------|-------------------|----------|
| Well | Unique ID | Unit Number | Unit Name | Date | Time | Measured Depth to Water (ft bmp) | Data Logger Serial No. | Does Data Logger Serial No. Match? | WL Reading on Transducer (ft) | Data down- loaded? | Batt (H/M/L/R) | Comments | Initials |
| OR14D | DC-OR14&D | 202 | | 7122124 | 1359 | 9.57 | 21615611 | 425 | 5 89, 5958 | yes | H | | App |
| OR19 | DC-OR19 | 201 202 | 2 | 1/2/24 | 1245 | 20.81 | 21615634 | Ves | 576. 9564 | / | H | | Aga |
| OR20 | DC-OR20 | 201- 202 | AP1/ 2 | 7/22/24 | 1429 | 20.85 | 21615610 | V25 | 566.7091 | yes | H | | ARY |
| RG01 | DC-RG01 | ? | ? | 7/22/24 | 1009 | | 21628685 | - | | NO. | 8 | Record Serial No. | Apr |
| Notes: Batt = bai | ttery | | | | | | | | | | APP 7122 | | |
| omp = be t = feet | low measuring p | oint | | | | | | | | | | une 6 | K h |
| ł = high | | | | | | | | | | | | connec | r to |
| . = Iow 1 = medi | um | | | | | | | | | | | ionnec | P |
| R = replac | | | | | | | | | | | | • | |

APPENDIX A. ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DO 0.057, 0.04

| $\neg \circ$ | 0. | 7 00 4 | |
|--------------|-----|--------|--|
| DC | -25 | 7-204 | |

| WELL/SAN | MPLE POINT | G | 02S | | Purge Method: Bladke | | | | |
|---------------|---------------|--------------|--------------|--------|----------------------|---|----------|--------------|------|
| Date: | 8/11/8 | 2024 | Start Time: | 092 | 0 | Last Quarter: Bladder Finish/Sample Time:/030 | | | |
| Well Depth | (Bottom) Fro | om MP: | | ft | | Min. Purge | √olume: | 1000 | mL |
| Depth to W | ater From M | P: | 8.51 | ft | | Total Purge Volume: 1900 mL | | | |
| Water Colu | ımn Length: | | | ft | | | | | |
| Well Water | r Volume: | | | L | | Total Drawd | own: | 0-60 | ft |
| Reading | Time | Depth | Flow Rate | рН | Spec Cond | Temp | ORP | DO | Turb |
| (Units) | | ft. | mL/min | s.u. | umhos/cm | deg C | mV | mg/L | NTU |
| 1 | 0936 | 9.31 | 100 | 6.64 | 868 | 17.43 | -72 | 1.53 | 36.3 |
| 2 | 0939 | 9.40 | 100 | 6.61 | 831 | 17,39 | -82 | 1-46 | 27.9 |
| 3 | 0942 | 9.48 | 100 | 6-63 | 818 | 17-32 | -89 | 1.38 | 18.3 |
| 4 | _ | | | | | | | | |
| 5 | _ | | | | | | | | |
| Stabilization | NA NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |
| Field Meter: | : | | Holiber | | | Well Integri | tv | Yes | No |
| | | - | | | | Well has ID | | V | 110 |
| Sample App | pearance: | | | | | Casing locke | | J | |
| Odor: 🛨 | ₃ None □ | Slight [| □ Mod. □ | Strong | | Well cap fits | | | |
| Color [| None № | Slight [| □ Mod. □ | Strong | - | Good seal/d | | 1 | |
| Turb: 🗆 | None ⊅ | PSlight □ | Mod □ | Strong | | Well has we | ep holes | 1 | |
| BOTTI E IN | FORMATIO | M. | | | | | | | |
| BOTTLE IN | | n: Itered | | | | F:14- | | | |
| Qty | Bottles | iterea | | | Qty | Filte | rea | | |
| Qty | VOAs (C,V, 4 | IOml HCL) | | (1) | Qty | Metals (P,250 | ml HNO3) | | |
| | VOAS (C,V, | | | | | Ammonia (P,2 | | 4) | |
| | | G,U 1000mL) | | | | General (P,50 | | -1/ | |
| | Organics (A,0 | | | | 1 | General (P,10 | | | |
| | TOC (A,V 40) | | | | | TOC (A,V 40n | | | |
| | TOX (A,G 25 | 0mL, H2SO4) | | | | | | | |
| | Metals (P,250 | OmL, HNO3) | | | | | | | |
| | Cyanide (P, 2 | 250mL, NaOH |) | | | | | | |
| | 1 | 250mL, H2S0 | 4) | | | | | | |
| | General (P,50 | | | | | | | | |
| | General (P,10 | | | | | | | | |
| 1 | A | HNO3) | | | Final | DTW: | 9.11 | £. | |
| 1 | Rad (P, 2.5L, | | | | гіпаі | | | ft | |
| Comments | Rad (P, 2.5L, | | | | FIIIai | | | π | |
| Comments | Rad (P, 2.5L, | | | | FIIIai | | | π | |
| Comments | Rad (P, 2.5L, | | Sampler's Si | | Fillal | | | π | |

| | PLE POINT | G | 48 | 8 | Purge N | Method: | Compre | 25500 | |
|---------------|--|---|-----------------|--------|-----------|--|--|--------------|--------|
| Date: | | /24/2L AW 7/24/3 | Start Time: | 10:35 | | Finish/Sa | ımple Time | 10,50 | 2 |
| | (Bottom) Fro | m MP: | 35.89 | | | Min. Purge \ | /olume: | 1000 | mL |
| Depth to Wa | ater From MF | :14.98 | 14:91 | #14.9 | 71 | Total Purge | Volume: | 1150 | mL |
| Water Colur | mn Length: A | tw. | 20.98 | ft 21. | 05 | | | 2150 E | 361812 |
| Well Water ' | Volume: | 7/24/24 | 12.71 | L 12. | 75 | Total Drawde | own: | 0.38 | ft |
| Reading | Time | Depth | Flow Rate | рН | Spec Cond | Temp | ORP | DO | Turb |
| (Units) | | ft. | mL/min | s.u. | umhos/cm | deg C | mV | mg/L | NTU |
| 1 | 10:44 | 15.01 | 150 | 7.29 | 999 | 19.25 | 71 | 3.20 | 139 |
| 2 | 10:47 | 15.01 | 150 | 7.23 | 1020 | 19.07 | 54 | 2.90 | 108 |
| 3 | 10:50 | 15.03 | 150 | 7.23 | 1020 | 18.91 | 51 | 2.63 | 102 |
| 4 | - | | | | | | | | |
| 5 | | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |
| Field Meter: | | Hoc | iba | | | Well Integri | ty | Yes | No |
| | | | | | | Well has ID sign | | x | |
| Sample App | earance: | | | | | Casing locke | ed/secure | × | |
| Odor: 🗡 | None □ | Slight | $Mod. \ \Box$ | Strong | | Well cap fits | securely. | X | |
| Color X | None 🗆 | Slight | Mod. □ | Strong | | Good seal/d | rainage | X | |
| Turb: | None M | Slight | Mod □ | Strong | | Well has we | ep holes | × | |
| BOTTLE INI | FORMATION | V: | | | | | | | |
| | Unfilt | tered | | | | Filte | | | |
| Qty | Bottles | | | | Qty | Bottles | | | |
| | | | | | | Motale /D 250 | L LINION | | |
| | VOAs (C,V, 40mL, HCL) | | | | - | Metals (P,250 | | | |
| | VOAS (C,V, 4 | 0mL) | | 6 | | Ammonia (P,2 | 50mL, H2S | 04) | |
| | VOAS (C,V, 4 Organics (A,G | 0mL) 6,U 1000mL) | | 3) | 1 | Ammonia (P,2 General (P,50 | 50mL, H2S 0mL) | 04) | |
| | VOAS (C,V, 4 Organics (A,G Organics (A,G | 0mL) 6,U 1000mL) 6,U 500mL) | | 3) | t | Ammonia (P,2 General (P,50 General (P,10 | 50mL, H2S 0mL) 00mL) | 04) | |
| | VOAS (C,V, 4 Organics (A,G Organics (A,G TOC (A,V 40n | 0mL) 6,U 1000mL) 6,U 500mL) nL, H2SO4) | | 3 | l | Ammonia (P,2 General (P,50 | 50mL, H2S 0mL) 00mL) | 04) | |
| | VOAS (C,V, 4 Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 | 0mL) 6,U 1000mL) 6,U 500mL) nL, H2SO4) 0mL, H2SO4) | | 3 | t | Ammonia (P,2 General (P,50 General (P,10 | 50mL, H2S 0mL) 00mL) | 04) | |
| | VOAS (C,V, 4 Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 | 0mL) 6,U 1000mL) 6,U 500mL) nL, H2SO4) 0mL, H2SO4) mL, HNO3) | | 3 | 1 | Ammonia (P,2 General (P,50 General (P,10 | 50mL, H2S 0mL) 00mL) | 04) | |
| l. | VOAS (C,V, 4 Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 250 | 0mL) 6,U 1000mL) 6,U 500mL) nL, H2SO4) 0mL, H2SO4) mL, HNO3) 50mL, NaOH) | | 3 | - 1 | Ammonia (P,2 General (P,50 General (P,10 | 50mL, H2S 0mL) 00mL) | 04) | |
| | VOAS (C,V, 4 Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 29 Ammonia (P,2 | 0mL) 6,U 1000mL) 6,U 500mL) nL, H2SO4) 0mL, H2SO4) mL, HNO3) 50mL, NaOH) 250mL, H2SO4 | | 3 | - | Ammonia (P,2 General (P,50 General (P,10 | 50mL, H2S 0mL) 00mL) | 04) | |
| | VOAS (C,V, 4 Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 250 Ammonia (P,250 General (P,50 | 0mL) 6,U 1000mL) 6,U 500mL) nL, H2SO4) 0mL, H2SO4) mL, HNO3) 50mL, NaOH) 250mL, H2SO4 0mL) | | 3 | - | Ammonia (P,2 General (P,50 General (P,10 | 50mL, H2S 0mL) 00mL) | 04) | |
| | VOAS (C,V, 4 Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 250 Ammonia (P,2 General (P,50 General (P,10 | 0mL) 6,U 1000mL) 6,U 500mL) nL, H2SO4) 0mL, H2SO4) mL, HNO3) 50mL, NaOH) 250mL, H2SO4 00mL) | | 3 | | Ammonia (P,2 General (P,50 General (P,10 | 50mL, H2S 0mL) 00mL) | 04) | |
| | VOAS (C,V, 4 Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 250 Ammonia (P,250 General (P,50 | 0mL) 6,U 1000mL) 6,U 500mL) nL, H2SO4) 0mL, H2SO4) mL, HNO3) 50mL, NaOH) 250mL, H2SO4 00mL) | | 3 | Final | Ammonia (P,2 General (P,50 General (P,10 | 250mL, H2S 0mL) 00mL) 00mL) nL, H2SO4) | | |
| | VOAS (C,V, 4 Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 250 Ammonia (P,2 General (P,50 General (P,10 | 0mL) 6,U 1000mL) 6,U 500mL) nL, H2SO4) 0mL, H2SO4) mL, HNO3) 50mL, NaOH) 250mL, H2SO4 00mL) | | 3 | Final | Ammonia (P,2 General (P,50 General (P,10 TOC (A,V 40n | 50mL, H2S 0mL) 00mL) | | |
| | VOAS (C,V, 4 Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 250 Ammonia (P,2 General (P,50 General (P,10 | 0mL) 6,U 1000mL) 6,U 500mL) nL, H2SO4) 0mL, H2SO4) mL, HNO3) 50mL, NaOH) 250mL, H2SO4 00mL) | | 3 | Final | Ammonia (P,2 General (P,50 General (P,10 TOC (A,V 40n | 250mL, H2S 0mL) 00mL) 00mL) nL, H2SO4) | | |
| 1 | VOAS (C,V, 4 Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 250 Ammonia (P,2 General (P,50 General (P,10 | 0mL) 6,U 1000mL) 6,U 500mL) nL, H2SO4) 0mL, H2SO4) mL, HNO3) 50mL, NaOH) 250mL, H2SO4 00mL) | | 3 | Final | Ammonia (P,2 General (P,50 General (P,10 TOC (A,V 40n | 250mL, H2S 0mL) 00mL) 00mL) nL, H2SO4) | | |
| | VOAS (C,V, 4 Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 250 Ammonia (P,2 General (P,50 General (P,10 | 0mL) 6,U 1000mL) 6,U 500mL) nL, H2SO4) 0mL, H2SO4) mL, HNO3) 50mL, NaOH) 250mL, H2SO4 00mL) | | | Final | Ammonia (P,2 General (P,50 General (P,10 TOC (A,V 40n | 250mL, H2S 0mL) 00mL) 00mL) nL, H2SO4) | | |

APPENDIX A. ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204 DC-257-204

| WELL/SAM | IPLE POINT | G | 16S | | Purge l | Method: | Compa | 4550r | | |
|--------------------|------------------------------|-------------|--------------|-------------|-----------|--------------------------|------------|--------------|----------|--|
| Date: | 7/24 | 124 | Start Time: | 11:30 | 0 | | | 12:00 |) | |
| Well Depth | (Bottom) Fro | m MP: | 4324 | ft | | Min. Purge \ | /olume: | 1000 | mL | |
| Depth to W | ater From MF | P: | 20,28 | ft | | 1200 | mL | | | |
| Water Colu | mn Length: | | 2296 | ft | | | | 9900 | BG 8/2/2 | |
| Well Water | Volume: | | 13.90 | L | | Total Drawdown: -0.02 ft | | | | |
| Reading | Time | Depth | Flow Rate | рН | Spec Cond | Temp | ORP | DO | Turb | |
| (Units) | . 14 000 | ft. | mL/min | s.u. | umhos/cm | deg C | mV | mg/L | NTU | |
| 1 | 11.39 | 20.29 | 200 | 7.10 | 944 | 19.35 | 121 | 1,22 | 196 | |
| 2 | 11:41 | 20.22 | 200 | 7.02 | 940 | 19.25 | 128 | 1.14 | 190 | |
| 3 | 11.44 | 20.22 | 200 | 6.99 | 937 | 19.15 | 127 | .98 | 191 | |
| 4 | - | | | | | | | | | |
| 5 | | | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA | |
| Field Meter: Horba | | | | | | Well Integri | ty | Yes | No | |
| | | | | | | Well has ID sign | | | | |
| Sample App | earance: | | | | | Casing locke | ed/secure | X | | |
| Odor: | None □ | Slight | Mod. □ | Strong | | Well cap fits | securely. | b | | |
| | | Slight | | Strong | 9 | Good seal/di | | 4 | | |
| Turb: 🗆 | None 🛱 | Slight 🗆 | Mod □ S | Strong | | Well has we | ep holes | X | | |
| BOTTLE IN | FORMATION | l: | | | | | | C | | |
| | Unfilt | | | | | Filte | red | | | |
| Qty | Bottles | | | | Qty | Bottles | | | | |
| | VOAs (C,V, 40 | OmL, HCL) | | | | Metals (P,250 | mL, HNO3) | | | |
| | VOAS (C,V, 4 | | | | | Ammonia (P,2 | 50mL, H2S0 | 14) | | |
| | Organics (A,G | | | (2) | | General (P,50 | | | | |
| | Organics (A,G | | | (3) | | General (P,10 | | | | |
| | TOC (A,V 40n TOX (A,G 250 | | | ~ | | TOC (A,V 40m | 1L, H2SO4) | | | |
| 1 | Metals (P,250 | | - | | | | | | | |
| | Cyanide (P, 28 | | | | | | | | | |
| | Ammonia (P,2 | |) | | | | | - | | |
| | General (P,50 | | | | | | | | | |
| | General (P,10 | | | | | | | | | |
| | Rad (P, 2.5L, I | HNO3) | | | | | | | | |
| 0 | Ob l 11 24 | | | | Final | DTW: | 20.2 | 26 ft | | |
| Comments | Check pH if | readings ar | e pelow 6.5 | or above 7. | | | | | | |
| | | | | | | 1 | | 1/1 | | |
| | | | Sampler's Si | gnature: | - | try | Ch | etylog | | |

APPENDIX A. ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL (709 **Duck Creek** DC-257-204 AW 7/24/2 Gurge Method: WELL/SAMPLE POINT ompressor Date: Start Time: 14:53 Finish/Sample Time: 15:30 Well Depth (Bottom) From MP: 44,260 ft Min. Purge Volume: 1000 mL 9.52 ft Depth to Water From MP: 000 mL Total Purge Volume: 2200 BG 8/2/24 24.74 A Water Column Length: 14.98 Well Water Volume: Total Drawdown: Reading Time Depth Flow Rate рΗ Spec Cond Temp ORP DO Turb (Units) ft. mL/mln umhos/cm deg C S.U. mV mg/L NTU 15:03 1 20.56 200 8310 9.94 000 51 3.16 2.90 15:06 20.82 2 200 19.76 151 000 range 15:09 200 3 21.04 827 144 4 5 Stabilization NA NA NA ± 0.2 ± 3% ± 0.2 ±20 ± 10% or 0.2 NA Horiba Field Meter: **Well Integrity** Yes No Well has ID sign X Sample Appearance: Casing locked/secure None Odor: □ Slight ☐ Mod. X □ Strong Well cap fits securely. Color □ None ☐ Slight Mod. □ Strong X Good seal/drainage Turb: □ None □ Slight □ Mod X Strong X Well has weep holes **BOTTLE INFORMATION:** Unfiltered Filtered Qty **Bottles** Qty **Bottles** VOAs (C,V, 40mL, HCL) Metals (P,250mL, HNO3) VOAS (C,V, 40mL) Ammonia (P,250mL, H2S04) Organics (A,G,U 1000mL) General (P,500mL) Organics (A,G,U 500mL) General (P,1000mL) TOC (A,V 40mL, H2SO4) TOC (A,V 40mL, H2SO4) TOX (A,G 250mL, H2SO4) Metals (P,250mL, HNO3) Cyanide (P, 250mL, NaOH) Ammonia (P,250mL, H2S04) General (P,500mL)

Sampler's Signature: Landy Athles

Final DTW:

General (P,1000mL) Rad (P, 2.5L, HNO3)

Comments Check pH if readings are above 7.2 or below 6.5

ft

APPENDIX A.

ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL Duck Creek

DC-257-204 G125

AMPLE POINT G095 Purge Method:

7/24/24

Finish/Sample 7

WELL/SAMPLE POINT OMPRESSOR Start Time: 12:22 Finish/Sample Time: Date: 1400 44-16A Well Depth (Bottom) From MP: Min. Purge Volume: 9.58# Depth to Water From MP: Total Purge Volume: BG 8/2/24 Water Column Length: 14.87 L Well Water Volume: Total Drawdown: Reading Flow Rate Time Depth рΗ Spec Cond Temp **ORP** DO Turb mL/min ft. umhos/cm (Units) s.u. deg C m۷ mg/L NTU 3:25 300 1 20.54 2104 8.49 03 32 30 7.47 13:28 20.62 300 75 -10 92.8 10 2 300 13:31 16,20 3 20.71 3:34 20.87 -100 4 300 0.66 7,39 -109 3:37 20.78 300 086 0.64 8. 5 Stabilization NA NA NA ± 0.2 ± 3% ± 0.2 ± 20 ± 10% or 0.2 NA toriba Field Meter: acktor Well Integrity Yes No Well has ID sign Sample Appearance: Casing locked/secure None Odor: □ Slight ☐ Mod. □ Strong Well cap fits securely. Color None □ Slight ☐ Mod. ☐ Strong Good seal/drainage Slight Turb: □ None □ Mod ☐ Strong Well has weep holes **BOTTLE INFORMATION:** Unfiltered Filtered **Bottles Bottles** Qty Qty VOAs (C,V, 40mL, HCL) Metals (P,250mL, HNO3) VOAS (C,V, 40mL) Ammonia (P,250mL, H2S04) Organics (A,G,U 1000mL) General (P,500mL) Organics (A,G,U 500mL) General (P,1000mL) TOC (A,V 40mL, H2SO4) TOC (A,V 40mL, H2SO4) TOX (A,G 250mL, H2SO4) Metals (P,250mL, HNO3) Cyanide (P, 250mL, NaOH) Ammonia (P,250mL, H2S04) General (P,500mL) General (P,1000mL) Rad (P, 2.5L, HNO3) 20.72 **Final DTW:**

Comments Check pH if readings are below 6.5 or above 7.2

Sampler's Signature:

APPENDIX A. ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204

| WELL/SAM | PLE POIN | т <u>G</u> ′ | 158 | | Purge N | Method: | Dedicat | ef Blad | kr |
|--------------------|--------------|---------------|--------------|--------|-------------|---------------|------------|--------------|------|
| Date: | 7/31 | 12024 | Start Time: | 1150 | | Finish/S | ample Time | : 1232 | |
| Well Depth | (Bottom) Fr | rom MP: | | ft | | Min. Purge | Volume: | 1000 | mL |
| Depth to Wa | ater From M | MP: | 28.09 | ft | | Total Purge | Volume: | 1900 | mL |
| Water Colui | nn Length: | | | ft | | | | | |
| Well Water Volume: | | | L | | Total Drawo | own: | 0.60 | ft | |
| Reading | Time | Depth | Flow Rate | рН | Spec Cond | Temp | ORP | DO | Turb |
| (Units) | | ft. | mL/min | s.u. | umhos/cm | deg C | mV | mg/L | NTU |
| 1 | 1205 | 29.30 | ioo | 6.98 | 746 | 16,27 | 3// | 2.86 | 79.3 |
| 2 | 1208 | 29-30 | 100 | 6.99 | 746 | 16.30 | 318 | 2.76 | 71.2 |
| 3 | 1211 | 29-30 | 100 | 6.99 | 743 | 16.35 | 325 | 2.82 | 71,4 |
| 4 | _ | - | | | | | | | _ |
| 5 | | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |
| | | - | ribo | | | | | | |
| Field Meter: | | | 77.60 | | _ | Well Integr | | Yes | No |
| | | | | | | Well has ID | | 1 | |
| Sample App | earance: | | | | | Casing lock | ed/secure | J | |
| Odor: 😕 | None | □ Slight □ | □ Mod. □ | Strong | _ | Well cap fits | securely. | | × |
| Color 5 | None | □ Slight □ | □ Mod. | Strong | | Good seal/d | Irainage | √ | |
| Turb: □ | None f | X.Slight □ | l Mod □ | Strong | | Well has we | ep holes | \vee | |
| BOTTLE IN | FORMATIO | ON: | | | | | | | |
| DOTTEE III | | filtered | | | | Filt | ered | | |
| Qty | Bottles | | | | Qty | Bottles | | | |
| | VOAs (C,V, | 40mL, HCL) | | (3) | | Metals (P,250 | mL, HNO3) | | |
| | VOAS (C,V, | | | | | Ammonia (P, | 250mL, H2S | 04) | |
| | Organics (A | ,G,U 1000mL) | | | (| General (P,5 | 00mL) | | |
| | Organics (A | ,G,U 500mL) | | | | General (P,1 | 000mL) | | |
| | TOC (A,V 4 | 0mL, H2SO4) | | | | TOC (A,V 40 | mL, H2SO4) | | |
| | TOX (A,G 2 | 50mL, H2SO4) | | | | | | | |
| 1 | Metals (P,2 | 50mL, HNO3) | | | | | | | |
| | Cyanide (P, | 250mL, NaOH |) | | | | | | |
| | Ammonia (F | 2,250mL, H2S0 | 4) | | | | | | |
| | General (P, | 500mL) | | | | | | | |
| 1 | General (P, | 1000mL) | | | | _ | | | |
| | Rad (P, 2.5) | L, HNO3) | | | | | 28.6 | 9 | |
| Comments | Check pl | l if readings | are below 6. | 2 | rmai | DTW: | |) (ft | |

ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL **Duck Creek**

DC-257-204

| WELL/SAN | IPLE POINT | L1 | 03 | | Purge Method: | Baile. | | |
|----------|------------|-------|-------------|------|-------------------------|------------------------------|------|--|
| Date: | 1/30/ | 12024 | Start Time: | 1225 | Last Quarte Finish/s | er: Bailer Sample Time: _ | 1236 | |
| | | | | | | | | |

Depth to Water From MP:

| Reading | Time | Depth | Flow Rate | рН | Spec Cond | Temp | ORP | DO | Turb |
|---------|------|-------|-----------|------|-----------|-------|-----|------|------|
| (Units) | | ft. | mL/min | s.u. | umhos/cm | deg C | mV | mg/L | NTU |
| 1 | 1228 | 0.52 | _ | 7.50 | 4150 | 19,04 | 50 | 0-00 | 0.0 |

| Ciald Ma | | | Horilan | |
|----------|------------|----------|---------|----------|
| Field Me | eter: | - | 100 | |
| | | | | |
| Sample | Appearance | : | | |
| Odor: | 🔼 None | ☐ Slight | □ Mod. | ☐ Strong |
| Color | ⊠ None | □ Slight | □ Mod. | □ Strong |
| Turb: | Ş None | □ Slight | □ Mod | □ Strong |

| Well Integrity | Yes | No |
|-------------------------|--------------|----|
| Well has ID sign | | 5 |
| Casing locked/secure | | × |
| Well cap fits securely. | | 1 |
| Good seal/drainage | \checkmark | |
| Well has weep holes | | ¥ |

BOTTLE INFORMATION:

| | Unfiltered | | | | | | |
|-----|------------------------------|--|--|--|--|--|--|
| Qty | Bottles | | | | | | |
| | VOAs (C,V, 40mL, HCL) | | | | | | |
| | VOAS (C,V, 40mL) | | | | | | |
| | Organics (A,G,U 1000mL) | | | | | | |
| | Organics (A,G,U 500mL) | | | | | | |
| | TOC (A,V 40mL, H2SO4) | | | | | | |
| | TOX (A,G 250mL, H2SO4) | | | | | | |
| 1 | Metals (P,250mL, HNO3) | | | | | | |
| | Cyanide (P, 250mL, NaOH) | | | | | | |
| | Phenols (A,G,250mL, H2SO4) | | | | | | |
| 1 | General (P, 250 mL) 000 mL | | | | | | |
| | | | | | | | |
| | | | | | | | |

| | Filtered |
|-----|--------------------------|
| Qty | Bottles |
| · | Metals (P,250mL, HNO3) |
| | Ammonia (P,250mL, H2S04) |
| (| General (P,500mL) |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

| Comments | | |
|----------|----------------------|--------|
| | | |
| | Sampler's Signature: | |
| | Sampler's Signature. | 0 //04 |

| Field Personnel: | 20 | | | | Location: | Duck Cree | e k | | | |
|-------------------------------|---------------------------------------|--------|----------------|-----------|---------------------|--------------------------|--------------|------------|-------------|--|
| Weather: | 77-861 | Pesi | rang vind V | Zionpi | Environment: | woods | | | | |
| Multiparamete | | Make: | Horiba | Model: | | Serial Number: | WUC83C85 | | | |
| Water Lev | el Meter | Make: | QED | Model: | MP-30 | Serial Number: | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. | |
| рН 4.00а | 4,04 | s.u. | ±0.1 s.u. | P | N | NA | MSI | 023219-02 | 8/9/2025 | |
| pH 7.00a | 6.72 | s.u. | ±0.1 s.u. | F | 4 | 7,01 | MSI | 023334-01 | 12/7/2025 | |
| pH 10.00a | 9.68 | s.u. | ±0.1 s.u. | F | 7 | 10,00 | MSI | 024037-01 | 2/21/2026 | |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | P | N | NA | Pace Labs | N/A (DI) | N/A (DI) | |
| SC 2000 | 2090 | μS/cm | ±5% | P | N | NA | Proactive | 3GJ1438 | Oct-24 | |
| ORP | 95 | mV | ±15 mV | F | Y | 226 | Reagents | 8406644 | Apr-25 | |
| OO (Zero pt) | 0.08 | mg/L | ±0.1 | P | N | NA | Macron | #000228049 | 8/26/2025 | |
| OO (Saturated) | 97.89 | % | 97-100% | P | N | NA | Pace Labs | N/A (DI) | N/A (DI) | |
| Furbidity (DI) | 1.9 | NTU | <2 N TU | P | N | NA | Pace Labs | N/A (DI) | N/A (DI) | |
| Approx. every 8 h | rs, unless only or (Initial Calibr | | arification) | | _ | 1.5 | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Time: | 1003 n Taken? | Manufacturer | Lot# | Ехр. | |
| oH 4.00b | 4.08 | 5.u. | ±0.15 s.u. | P | NA. | | Proactive | 3GE1074 | Мау-25 | |
| эH 7.00b | 7.10 | s.u. | ±0.15 s.u. | p | 1 | | Proactive | 3GE1252 | , May-25 | |
| он 10.00b | 10.04 | s.u. | ±0.15 s.u. | P | | | Geotech | 3GA1134 | Jan-25 | |
| SC 1000 | 975 | μS/cm | ±5% | b | | | Spectrum | 2NA0024 | Dec-25 | |
| Approx. every 8 h | | | national. | | - | 10 | | | | |
| CCV (Continue Buffer | Check Value | Units | Range | Pass/Fail | Time: Calibrate? | 1540 Adjusted Reading | Manufacturer | Lot# | Exp. | |
| H 4.00a | 4/16 | s.u. | ±0.1 s.u. | p | N. | NA | MSI | 023219-02 | 8/9/2025 | |
| H 7.00a | Filo | s.u. | ±0.1 s.u. | | 1 | 1 | MSI | 023334-01 | 12/7/2025 | |
| H 10.00a | lo .08 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 | |
| C 1000 | 10/0 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 | |
| OO (Zero pt) | 0,06 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 | |
| urbidity (DI) | 8,1 | NTU | <2 NTU | 1 | 1 | 2 | Pace Labs | N/A (Di) | N/A (Di) | |
| pprox. every 8 hr omments: | s, unless only on | e well | | | | | V | | | |
| omenta. | 9 | | | | | | | | | |



| Field Personne | Δ // | 1 | 1 | | lacet. | ln , | I. | | |
|----------------------------------|---------------------|-------------|------------|-----------|-------------|------------------|----------------------|--------------------|------------------|
| | 1/5/1/ | 1/ | bore | / Ws h | Location | Duck | creek | 1 | |
| Weathe | 186-63 5 | YMMY | wind f. | mph | Environment | landfillsfi | 7185+161 | 0155 | |
| Multiparamet | ter Water Meter | Make: | Horiba | Model: | V-5000 | Serial Number | AUTI | 15 4X | 6 |
| Water Le | evel Meter | Make: | WT | Model: | Hesso) | Serial Number | 19FF | 2202 | -13/N |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacture | Lot# | Exp. |
| H 4.00a | 3.88 | s.u. | ±0.1 s.u. | F | 1 | 4.00 | MSI | 023219-02 | 8/9/2025 |
| H 7.00a | 6.96 | s.u. | ±0.1 s.u. | P | N | | MSI | 023334-01 | 12/7/202 |
| H 10.00a | 100 | s.u. | ±0.1 s.u. | 1 | N | | MSI | 024037-01 | 2/21/202 |
| C Zero (DI) | 0010 | μS/cm | 0<25 μS/cm | F | <i>Y</i> | 25 | Pace Labs | N/A (DI) | N/A (DI) |
| C 2000 | 2010 | μS/cm | ±5% | P | N | | Proactive | 3GJ1438 | Oct-24 |
| RP | 102 | mV | ±15 mV | 1- | * | 223 | Reagents | 840664 | 4 Apr-25 |
| O (Zero pt) | 010 | mg/L | ±0.1 | P | | - | Macron | #000228049 | 8/26/202 |
| O (Saturated) | 9919 | % | 97-100% | 1 | N | | Pace Labs | N/A (DI) | N/A (DI) |
| urbidity (DI) | 0.0 | NTU | <2 NTU | / | N | | Pace Labs | N/A (DI) | N/A (DI) |
| | nrs, unless only on | | | | | 1.21 | 1 | | 1.4.4.4 |
| Buffer | / (Initial Calibr | | | Ta | Time: | 8921 | | | |
| 1 4.00b | 2.44 | Units | Range | Pass/Fail | Actio | n Taken? | Manufacturer | Lot# | Exp. |
| H 7.00b | 711 | s.u. | ±0.15 s.u. | P | N | | Proactive | 3GE1074 | May-25 |
| 1 10.00b | 10.39 | s.u. | ±0.15 s.u. | 1= | y | 2,99 | Proactive Geotech | 3GE1252 | May-25 |
| 1000 | 300 | μS/cm | ±5% | 1= | 4 1 | 010 | Spectrum | 3GA1134 2NA0024 | Jan-25 Dec-25 |
| | rs, unless only on | | | | 1 | | | 21010024 | DCC 23 |
| | ed Calibration | | rtion): | | Time: | 1540 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| I 4.00a | 4.00 | s.u. | ±0.1 s.u. | P | N | NA | MSI | 023219-02 | 8/9/2025 |
| 17.00a | 0,78 | s.u. | ±0.1 s.u. | | | - 14/1 | MSI | 023334-01 | 12/7/2025 |
| 10.00a | 1800 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| 1000 | 08 2 | μS/cm | ±5% | + | | | Spectrum | 2NA0024 | Dec-25 |
| (Zero pt) | Or Or | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| rbidity (DI) prox. every 8 hr | rs, unless only one | NTU well | <2 NTU | | 1 | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| mments: | | | | | | | | | |

| | Mult | tipar | ameter I | Meter | r Field Co | libration | Checklis | t | | | |
|---|--------------------|---------------------|---------------------|-----------|---------------|------------------|--------------------------|-----------------|-----------------------|--|--|
| Field Personnel | Acron pemburton | | | | Location: | Duch creek | | | | | |
| Weather: 81°-86°CL Wing Synny 6mps | | | | | Environment: | Woods | Woods ofrass | | | | |
| Multiparameter Water Meter Make: World Model: | | | | | USOCO | Serial Number | Serial Number: YLAK JAHA | | | | |
| Water Le | vel Meter | Make: (feron Model: | | | is spert | | | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. | | |
| oH 4.00a | 4.04 | s.u. | ±0.1 s.u. | 8 | No | | MSI | 023219-02 | 8/9/2025 | | |
| он 7.00а | 7.07 | s.u. | ±0.1 s.u. | 1 | NO | _ | MSI | 023334-01 | 12/7/202 | | |
| н 10.00а | 10-08 | s.u. | ±0.1 s.u. | P | NO | _ | MSI | 024037-01 | 2/21/202 | | |
| SC Zero (DI) | 3-13 | μS/cm | 0<25 μS/cm | 10 | No | | Pace Labs | N/A (DI) | N/A (DI) | | |
| SC 2000 | 2020 | μS/cm | ±5% | 10 | No | | Proactive | 3GJ1438 | Oct-24 | | |
| ORP | 22-7 | mV | ±15 mV | p | Ma | | Reagents | 8406644 | Apr-25 | | |
| OO (Zero pt) | 0.09 | mg/L | ±0.1 | 1 | NO | _ | Macron | #000228049 | 8/26/202 | | |
| OO (Saturated) | 98.9 | % | 97-100% | 11 | Na | | Pace Labs | N/A (DI) | N/A (DI) | | |
| urbidity (DI) | 0.0 | NTU | <2 NTU | 1 | No | - | Pace Labs | N/A (DI) | N/A (Di) | | |
| | rs, unless only on | | :::: \ | 1 | _ | 1022 | 2236 | V 2600 | - | | |
| Buffer | (Initial Calibr | Units | | Pass/Fail | Time: | 10 25 | Manufacturan | 1 | 1 5 | | |
| oH 4.00b | N. 01 | s.u. | Range ±0.15 s.u. | Passyran | Action Taken? | | Manufacturer Proactive | Lot# 3GE1074 | Exp. May-25 | | |
| H 7.00b | 7,03 | s.u. | ±0.15 s.u. | P | - | | Proactive | 3GE1252 | May-25 | | |
| H 10.00b | 10-10 | s.u. | ±0.15 s.u. | P | ~ | | Geotech | 3GA1134 | Jan-25 | | |
| C 1000 | 987 | μS/cm | ±5% | P | ــ | _ | Spectrum | 2NA0024 | Dec-25 | | |
| | rs, unless only on | | | | | | | | | | |
| | ed Calibration | | | | Time: | 1532 | | | | | |
| Buffer H 4.00a | Check Value 4-03 | Units s.u. | Range ±0.1 s.u. | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. | | |
| H 7.00a | 7-06 | s.u. | ±0.1 s.u. | P | No | | MSI | 023219-02 | 8/9/2025 12/7/2025 | | |
| H 10.00a | 10.09 | s.u. | ±0.1 s.u. | P | NO | 4 | MSI | 024037-01 | 2/21/2026 | | |
| C 1000 | 1000 | μS/cm | ±5% | P | No | é | Spectrum | 2NA0024 | Dec-25 | | |
| O (Zero pt) | 0.09 | mg/L | ±0.1 mg/L | 1 | No | _ | Macron | #000228049 | | | |
| urbidity (DI) | 0.0 | NTU | <2 NTU | P | Na | | Pace Labs | N/A (DI) | N/A (DI) | | |
| | rs, unless only on | e well | | | | | | | | | |
| omments: Signature: | | ~ | | | Date: | 7/ | 3/20 | | | | |



| Field Personnel | 11/ | ^ | | | | alibration | 0 | | | |
|-------------------------|---|-------|--------------|-----------|---------------------|--------------------------|--------------|-------------------|---------------|-----------|
| | MLEIS | 4 | SKE | | Location | DUCKY | CREEK | | | |
| Weather | 100 | SUNN | Y YAPPH | SW | Environment: | GRASS | > | | | \ |
| Multiparamete | er Water Meter | Make: | HOZER | Model: | U-5000 | Serial Number | 11100 | OPKK | | |
| | evel Meter | Make: | HERON) | Model: | WT | Serial Number | AFFQ | 111192 | 'HB | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. | |
| pH 4.00a | 4.36 | s.u. | ±0.1 s.u. | TAIL | 45 | 4.00 | MSI | 023219-02 | 8/9/2025 | |
| pH 7.00a | 6.98 | s.u. | ±0.1 s.u. | FASS | deo | NA | MSI | 023334-01 | 12/7/2025 | |
| pH 10.00a | 9.97 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 | |
| SC Zero (DI) | 0 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) | |
| SC 2000 | 2016 | μS/cm | ±5% | | | | Proactive | 3GJ1438 | Oct-24 | |
| ORP | 227 | mV | ±15 mV | | | | Rougents | 840G641 361101 | Apr-25 | BG 8/2/24 |
| DO (Zero pt) | 0 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 | |
| DO (Saturated) | 99 | % | 97-100% | 1 | | | Pace Labs | N/A (DI) | N/A (DI) | |
| Turbidity (DI) | 0 | NTU | <2 NTU | - | | | Pace Labs | N/A (DI) | N/A (DI) | |
| Approx. every 8 h | rs, unless only or / (Initial Calibr | | orification) | | | V | 1 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Time: | 0948 n Taken? | Manufacturer | Lot# | Euro | |
| pH 4.00b | 4.02 | s.u. | ±0.15 s.u. | Pu-s | NO | il Takeii; | Proactive | 3GE1074 | Exp. May-25 | |
| pH 7.00b | 7.01 | s.u. | ±0.15 s.u. | 1 | 1 | | Proactive | 3GE1252 | May-25 | |
| pH 10.00b | 9.99 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 | |
| SC 1000 | 1000 | μS/cm | ±5% | 1 | | | Spectrum | 2NA0024 | Dec-25 | |
| Approx. every 8 h | | | -+:\. | | | 160 | | | | |
| CCV (Continue Buffer | Check Value | Units | Range | Pass/Fail | Time: Calibrate? | 1531 Adjusted Reading | Manufacturer | Lasti | - | |
| pH 4.00a | 4.03 | s.u. | ±0.1 s.u. | 845 | ()D | N/A | MSI | Lot# 023219-02 | Exp. 8/9/2025 | |
| oH 7.00a | 7.00 | s.u. | ±0.1 s.u. | Ĭ | | 1 | MSI | 023334-01 | 12/7/2025 | |
| oH 10.00a | 10.01 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 | |
| SC 1000 | 1003 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 | |
| OO (Zero pt) | 0 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 | |
| Furbidity (DI) | 0 | NTU | <2 NTU | | | l | Pace Labs | N/A (DI) | N/A (DI) | |
| Approx. every 8 hr | | | | | | | | | | |

| Field Personnel: | Aura | A | m be Nor | 1 | Location: | Duch | cree | 4 | |
|--------------------------------------|-----------------|--------|--------------|-------------|---------------------|---------------------------|--------------|------------|---------------|
| Weather: | - A. F (| | | | Environment: | chass | Woods | | |
| Multiparamete | r Water Meter | Make: | Horiba | Model: | U 5000 | Serial Number: | | KJA | MA |
| Water Lev | vel Meter | Make: | Heron | Model: | Dipar 7 | Serial Number: | | 7-7 | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| рН 4.00а | 4.09 | s.u. | ±0.1 s.u. | 1 | NO | سند | MSI | 023219-02 | 8/9/2025 |
| pH 7.00a | 6-96 | s.u. | ±0.1 s.u. | P | NO | 5 | MSI | 023334-01 | 12/7/202 |
| pH 10.00a | 10.03 | s.u. | ±0.1 s.u. | P | No | _ | MSI | 024037-01 | 2/21/2020 |
| SC Zero (DI) | 14 | μ\$/cm | 0<25 μS/cm | 6 | No | ^ | Pace Labs | N/A (Di) | N/A (DI) |
| SC 2000 | 2010 | μS/cm | ±5% | P | No | - | Proactive | 3GJ1438 | Oct-24 |
| ORP | 221 | mV | ±15 mV | P | NO | ^ | Reagents | 8406644 | Apr-25 |
| DO (Zero pt) | 0.09 | mg/L | ±0.1 | P | NO | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 901.7 | % | 97-100% | P | No | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) Approx. every 8 hi | 0.0 | NTU | <2 NTU | P | Mq | | Pace Labs | N/A (DI) | N/A (DI) |
| | (Initial Calibr | | erification) | - | Time: | 20.1 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | 10 () | Manufacturer | Lot# | Exp. |
| oH 4.00b | 3.00 | s.u. | ±0.15 s.u. | 1 | - | | Proactive | 3GE1074 | May-25 |
| oH 7.00b | 6.96 | s.u. | ±0.15 s.u. | 1 | - | | Proactive | 3GE1252 | Maγ-25 |
| oH 10.00b | 10.11 | s.u. | ±0.15 s.u. | 10 | | - | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 88 | μS/cm | ±5% | f | | | Spectrum | 2NA0024 | Dec-25 |
| Approx. every 8 hr CCV (Continue | | | ation). | | | 1 = 1 = | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Time: Calibrate? | 15 40 Adjusted Reading | Manufacturer | Lot# | Free |
| oH 4.00a | 3,08 | s.u. | ±0.1 s.u. | 1 433/1 411 | ∆0 | - Aujusteu Neauliig | MSI | 023219-02 | Exp. 8/9/2025 |
| рН 7.00a | 7,06 | s.u. | ±0.1 s.u. | 1 | MG | - | MSI | 023334-01 | 12/7/2025 |
| H 10.00a | 10.05 | s.u. | ±0.1 s.u. | P | MO | gation, | MSI | 024037-01 | 2/21/2026 |
| SC 1000 | 985 | μS/cm | ±5% | P | No | A. Service | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 0.0A | mg/L | ±0.1 mg/L | P | NB | | Macron | #000228049 | 8/26/2025 |
| urbidity (DI) | 0.10 | NTU | <2 NTU | 1 | Na | V | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 8 hr omments: | a, ameaa omy on | C WEII | | | | | | | |
| Signature: | 1- | | M | | Date: | 7/2 | | | |

| Field Personnel: | 20 | | | | Location: | Dook Cree | k | | |
|--------------------|-------------------|---------------|--------------------|-----------|----------------|------------------|---------------------------|-------------------|------------------|
| Weather: | 75-83° F | P. Juna | , wind WI | VW 7m | く Environment: | woods, wee | ds | | |
| Multiparamete | | Make: | Horiba | | U-5000 | | WUG830 | 8 5 | |
| Water Lev | vel Meter | Make: | QED | Model: | MP-30 | Serial Number: | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4,66 | s.u. | ±0.1 s.u. | F | 4 | 4,00 | MSI | 023219-02 | 8/9/2025 |
| рН 7.00а | 6.85 | s.u. | ±0.1 s.u. | F | 7 | 7.01 | MSI | 023334-01 | 12/7/202 |
| pH 10.00a | 10,24 | s.u. | ±0.1 s.u. | F | 1 | 10.00 | MSI | 024037-01 | 2/21/2020 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | P | N | NA | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2080 | μS/cm | ±5% | P | N | NA | Proactive | 3GJ1438 | Oct-24 |
| ORP | 348 | mV | ±15 mV | F | 4 | 228 | Reagents | 8406644 | Apr-25 |
| DO (Zero pt) | 0.07 | mg/L | ±0.1 | P | N | NA | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 98.19 | % | 97-100% | P | N | NA | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | Ü, O | NTU | <2 NTU | 7 | N | MA | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 h | | | 10 1 | | | | | | |
| Buffer | (Initial Calibi | Units | | Pass/Fail | Time: | n Taken? | Manufacturas | 1 | C |
| pH 4.00b | 3,92 | s.u. | to.15 s.u. | Passyrall | | VA | Manufacturer Proactive | Lot# 3GE1074 | Exp. May-25 |
| pH 7.00b | 7,02 | s.u. | ±0.15 s.u. | | | 1 | Proactive | 3GE1252 | May-25 |
| pH 10.00b | 10,04 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 986 | μS/cm | ±5% | 1 | | 1 | Spectrum | 2NA0024 | Dec-25 |
| Approx. every 8 h | | | | | | | | | |
| CCV (Continue | | | | | Time: | 1545 | | | |
| Buffer oH 4.00a | Check Value | Units s.u. | Range ±0.1 s.u. | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer MSI | Lot# 023219-02 | Exp. 8/9/2025 |
| oH 7.00a | 7.10 | s.u. | ±0.1 s.u. |) | 1 | | MSI | 023334-01 | 12/7/2025 |
| oH 10.00a | 10.05 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| SC 1000 | 995 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 0.09 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| furbidity (DI) | 0.5 | NTU | <2 NTU | 1 | 1 | 2 | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 8 hr | s, unless only on | e well | | | | | | | |
| Comments: | | | DW | | - | | | | |

| Field Personne | JR | A | W | | Location | Duck | Cree | (| |
|----------------|--|-------|-------------|-----------|---------------------|---|---------------------|--------------------|-----------------------|
| Weathe | 1: 76°-83 | Sun | in 3mph h | and NE | Environment | 100000000000000000000000000000000000000 | CIEC | ~ | |
| Multiparamet | ter Water Meter | Make: | Horiba | Model: | Dipper-T | Serial Number | V732 | OPK | 2 |
| Water Lo | evel Meter | Make: | Heron | Model: | 115000 | Serial Number | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | <u> </u> | Adjusted Reading | | 7 | Exp. |
| рН 4.00а | 4.07 | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 023219-02 | 8/9/2025 |
| pH 7.00a | 6.87 | s.u. | ±0.1 s.u. | F | Yes | 7.00 | MSI | 023334-01 | 12/7/202 |
| pH 10.00a | 10.05 | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 024037-01 | 2/21/202 |
| SC Zero (DI) | 47 | μS/cm | 0<25 μ5/cm | F | Yes | 05 | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 3000 | μS/cm | ±5% | P | No | NA | Proactive | 3GJ1438 | Oct-24 |
| ORP | 220 | mV | ±15 mV | P | No | NA | Reagents | 3611011 840C644 | Apr-2 |
| DO (Zero pt) | 000 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 100 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Furbidity (DI) | 0.00 | NTU | <2 NTU | 1 | 1 | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| | nrs, unless only or / (Initial Calibr | | orification | | | 6.10 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Time: | 9/15 on Taken? | Manufacturer | 1 | - |
| oH 4.00b | 3.98 | s.u. | ±0.15 s.u. | P | None | iii iakeji: | Proactive | 3GE1074 | Exp. |
| oH 7.00b | 6.91 | s.u. | ±0.15 s.u. | P | None | | Proactive | 3GE1252 | May-25 May-25 |
| oH 10.00b | 10.03 | s.u. | ±0.15 s.u. | P | None | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 1030 | μS/cm | ±5% | P | None | | Spectrum | 2NA0024 | Dec-25 |
| | rs, unless only on | | AT \ | - | | - 77 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Time: Calibrate? | 15:40 | | | |
| H 4.00a | 4.08 | 5.U. | ±0.1 s.u. | P | NO | Adjusted Reading | Manufacturer MSI | Lot# 023219-02 | Exp. |
| Н 7.00а | 6.95 | s.u. | ±0.1 s.u. | P | 20 | | MSI | 023334-01 | 8/9/2025 12/7/2025 |
| Н 10.00а | 10:02 | s.u. | ±0.1 s.u. | P | 20 | | MSI | 024037-01 | 2/21/2026 |
| C 1000 | 1020 | μS/cm | ±5% | P | NO | | Spectrum | 2NA0024 | Dec-25 |
| O (Zero pt) | 0.0 | mg/L | ±0.1 mg/L | P | NO | | Macron | #000228049 | 1 |
| urbidity (DI) | O, O | NTU | <2 NTU | P | No | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| omments: | a, unicas only on | e wen | | | | | | | |
| Signature: | 11 | 1 | 1 | _ | Date: | 7/21 | 1211 | | |

DC-257-204 Multiparameter Meter Field Calibration Checklist Field Personnel: 00(2 Location: wit creek Weather: QG MAN A/ WEnvironment: OW Multiparameter Water Meter Make: Model: Serial Number O CINO Water Level Meter Make: Model Serial Number Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Ехр. pH 4.00a ±0.1 s.u. s.u. MSI 023219-02 8/9/2025 pH 7.00a s.u. ±0.1 s.u. MSI 023334-01 12/7/2025 pH 10.00a ±0.1 s.u. 024037-01 2/21/2026 s.u. MSI SC Zero (DI) 0<25 µS/cm µS/cm Pace Labs N/A (DI) N/A (DI) SC 2000 μS/cm ±5% Proactive 3GJ1438 Oct-24 ORP mV ±15 mV Reagents 8406644 Apr-25 DO (Zero pt) mg/L ±0.1 Macron #000228049 8/26/2025 DO (Saturated) % 97-100% Pace Labs N/A (DI) N/A (DI) Turbidity (DI) <2 NTU Pace Labs N/A (DI) N/A (DI) Approx. every 8 hrs, unless only one well Time: 0962 ICV (Initial Calibration Verification) Buffer Check Value Units Action Taken? Range Pass/Fail Manufacturer Lot# Ехр. pH 4.00b s.u. ±0.15 s.u. 3GE1074 Proactive May-25 pH 7.00b ±0.15 s.u. s.u. Proactive 3GE1252 May-25 pH 10.00b s.u. ±0.15 s.u. Geotech 3GA1134 Jan-25 SC 1000 μS/cm ±5% Spectrum 2NA0024 Dec-25 Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Time: Buffer Check Value Units Adjusted Reading Range Pass/Fail Calibrate? Manufacturer Lot# Exp. pH 4.00a ±0.1 s.u. s.u. MSI 023219-02 8/9/2025 pH 7.00a s.u. ±0.1 s.u. MSI 023334-01 12/7/2025 pH 10.00a s.u. ±0.1 s.u. MSI 024037-01 2/21/2026 SC 1000 μS/cm ±5% Spectrum 2NA0024 Dec-25 DO (Zero pt) mg/L ± 0.1 mg/L Macron #000228049 8/26/2025 Turbidity (DI) <2 NTU Pace Labs N/A (DI) N/A (DI) Approx. every 8 hrs, unless only one well Comments: Date:

| Field Personnel: | 1/ | 1 | | | Location: | 1 | 1 | | |
|--------------------------------------|-------------------|---------------|--------------|-----------|---------------------|------------------|----------------|------------|-----------|
| | PIPILES | DE | SKE | | | DOCK (| REEK | | |
| Weather | 7200 | COO | TOPH | E | Environment: | CIRASSY | | | |
| Multiparamete | r Water Meter | Make: | HORISA | Model: | U5000 | Serial Number: | AGIST 19FF2 | K 4XC | 1 |
| Water Lev | el Meter | Make: | HERON | Model: | WT | Serial Number: | 19FF2 | 20213 | IMC |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| оН 4.00а | 4.03 | s.u. | ±0.1 s.u. | PASS | No | NA | MSI | 023219-02 | 8/9/2025 |
| oH 7.00a | 7-01 | s.u. | ±0.1 s.u. | 1 | | | MSI | 023334-01 | 12/7/202 |
| oH 10.00a | 10.000 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/202 |
| SC Zero (DI) | 0 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 1093 | μS/cm | ±5% | | | | Proactive | 3GJ1438 | Oct-24 |
| ORP | 224 | mV | ±15 mV | 1 | | | Reagents | 8406644 | Apr-25 |
| OO (Zero pt) | 0 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/202 |
| OO (Saturated) | 97 | % | 97-100% | | | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| Furbidity (DI) Approx. every 8 hr | O.O | NTU e well | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |
| | (Initial Calibr | | erification) | | Time: | 0925 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| oH 4.00b | 4.06 | s.u. | ±0.15 s.u. | Pass | 100 | | Proactive | 3GE1074 | May-25 |
| H 7.00b | 6-98 | s.u. | ±0.15 s.u. | | | | Proactive | 3GE1252 | May-25 |
| Н 10.00Ь | 9.99 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| C 1000 | 1014 | μS/cm | ±5% | + | | | Spectrum | 2NA0024 | Dec-25 |
| Approx. every 8 hr CCV (Continue | | | ation): | - 1 | 201 | 1550 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Time: Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| H 4.00a | 4.01 | s.u. | ±0.1 s.u. | PUSS | Ne | NA | MSI | 023219-02 | 8/9/2025 |
| H 7.00a | 6.98 | s.u. | ±0.1 s.u. | | | | MSI | 023334-01 | 12/7/202 |
| H 10.00a | 10.02 | s.u. | ±0.1 s.u. | | | | MSi | 024037-01 | 2/21/2020 |
| C 1000 | 1013 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| O (Zero pt) | 0 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/202 |
| urbidity (DI) | 0 | NTU | <2 NTU | - | 1 | | Pace Labs | N/A (DI) | N/A (DI) |
| | s, unless only on | e well | | | | | | | |

| Water Level Meter Make: Heren Model: Dignit Serial Number: 3 | 9 K 59 7 17- 7 turer Lot# 023219-02 023334-01 024037-01 N/A (DI) 3GJ1438 8406644 #000228049 N/A (DI) | Exp. 8/9/2025 12/7/202 2/21/202 N/A (DI) Oct-24 Apr-25 |
|--|--|--|
| Multiparameter Water Meter Make: Horr Model: U Social Number: YL Water Level Meter Make: Heren Model: U Social Number: 3 Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufa pH 4.00a 4.04 s.u. ±0.1 s.u. P NC MSI pH 7.00a 6.04 s.u. ±0.1 s.u. P NO MSI pH 10.00a 10.02 s.u. ±0.1 s.u. P NO MSI SC Zero (DI) 16 μS/cm 0<25 μS/cm P NO Pace Labs SC 2000 1070 μS/cm ±5% P NO Macron DO (Zero pt) 0.00 mg/L ±0.1 DO (Saturated) Q R 1 % 97-100% P NO Pace Labs Approx. every 8 hrs, unless only one well TOV (Initial Calibration Verification) Buffer Check Value Units Range Pass/Fail Action Taken? Manufar DOH 10.00b 10.00 s.u. ±0.15 s.u. Proactive SP 2000 471 μS/cm ±5% Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Time: 14/20 | 9 K 59 7 17- 7 turer Lot# 023219-02 023334-01 024037-01 N/A (DI) 3GJ1438 8406644 #000228049 N/A (DI) | Exp. 8/9/2025 12/7/202 2/21/202 N/A (DI) Oct-24 Apr-25 8/26/202 |
| Water Level Meter Make: Heren Model: Digital Serial Number: 3 | 7 1 7 - 7 turer Lot# 023219-02 023334-01 024037-01 N/A (DI) 3GJ1438 8406644 #000228049 N/A (DI) | Exp. 8/9/2025 12/7/202 2/21/202 N/A (DI) Oct-24 Apr-25 8/26/202 |
| pH 4.00a | 023219-02 023334-01 024037-01 N/A (DI) 3GJ1438 8406644 #000228049 N/A (DI) | 8/9/2025 12/7/202 2/21/202 N/A (DI) Oct-24 Apr-25 8/26/202 |
| pH 7.00a | 023334-01 024037-01 N/A (DI) 3GJ1438 8406644 #000228049 N/A (DI) | 12/7/202 2/21/202 N/A (DI) Oct-24 Apr-25 8/26/202 |
| pH 10.00a IO·O\$ s.u. ±0.1 s.u. MO — MSI SC Zero (DI) Ib μS/cm 0<25 μS/cm | 024037-01 N/A (DI) 3GJ1438 8406644 #000228049 N/A (DI) | 2/21/202 N/A (DI) Oct-24 Apr-25 8/26/202 |
| Sc 2000 10 70 | N/A (DI) 3GJ1438 8406644 #000228049 N/A (DI) | N/A (DI) Oct-24 Apr-25 8/26/202 |
| SC 2000 1010 µS/cm ±5% | 3GJ1438 8406644 #000228049 N/A (DI) | Oct-24 Apr-25 8/26/202 |
| ORP 227 mV ±15 mV NO — Reagents DO (Zero pt) 0.00 mg/L ±0.1 NO — Macron DO (Saturated) 0.1 % 97-100% NO — Pace Labs Turbidity (DI) 0.0 NTU <2 NTU NO — Pace Labs ICV (Initial Calibration Verification) Time: 0.3 V Buffer Check Value Units Range Pass/Fall Action Taken? Manufate DH 4.00b 4.05 s.u. ±0.15 s.u. Proactive DH 7.00b 0.00 s.u. ±0.15 s.u. Geotech SC 1000 917 µS/cm ±5% — Spectrum Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Time: 1.420 | 8406644 #000228049 N/A (DI) | Apr-25 8/26/202 |
| ORP 2 | #000228049 N/A (DI) | 8/26/202 |
| DO (Saturated) O(A, 2 % 97-100% | N/A (DI) | |
| Turbidity (DI) 0 NTU <2 NTU NO Pace Labs Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification) Buffer Check Value Units Range Pass/Fail Action Taken? Manufact pH 4.00b 4.05 s.u. ±0.15 s.u. Proactive pH 7.00b 0.00 s.u. ±0.15 s.u. Geotech SC 1000 471 µS/cm ±5% Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Time: 1420 | | N/A (DI) |
| Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification) Buffer Check Value Units Range Pass/Fall Action Taken? Manufact Ph 4.00b OH 7.00b OH 7.00b OH 7.00b OH 10.00b | 0 @ 2 4 C | |
| Buffer Check Value Units Range Pass/Fail Action Taken? Manufate Ph 4.00b Y-05 s.u. ±0.15 s.u. Proactive Ph 7.00b V-09 s.u. ±0.15 s.u. Geotech Ph 10.00b Y-09 s.u. ±0.15 s.u. Taken? Spectrum SC 1000 Y-17 y-5/cm ±5% Spectrum CCV (Continued Calibration Verification): Time: 14 20 | 06240 | N/A (DI) |
| Buffer Check Value Units Range Pass/Fall Action Taken? Manufaction Proactive Proactive Science of the Color o | | |
| Proactive Proa | turer Lot# | Exp. |
| Geotech SC 1000 Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Time: 14 20 | 3GE1074 | Мау-25 |
| SC 1000 477 µS/cm ±5% - Spectrum Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Time: 1420 | 3GE1252 | May-25 |
| Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Time: 1420 | 3GA1134 | Jan-25 |
| CCV (Continued Calibration Verification): Time: 1420 | 2NA0024 | Dec-25 |
| | | |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufac | turer Lot# | Eve |
| 0H 4.00a 4.0Z s.u. ±0.1 s.u. A NO ~ MSI | 023219-02 | Exp. 8/9/2025 |
| 0H 7.00a 7.0 s.u. ±0.1 s.u. / NO - MSI | 023334-01 | 12/7/2025 |
| DH 10.00a 10.09 S.U. ±0.1 S.U. P NO - MSI | 024037-01 | 2/21/2020 |
| SC 1000 9 9 H μS/cm ±5% / NO - Spectrum | 2NA0024 | Dec-25 |
| DO (Zero pt) G.OU mg/L ±0.1 mg/L f Mo Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) 0 0 NTU <2 NTU Pace Labs | N/A (DI) | N/A (DI) |
| opprox. every 8 ms, unless only one well | | |

| Field Personnel: | AW. | JB | | | Location: | Ouk | creek | , | |
|--------------------------------------|-------------------|-----------------|--------------|-----------|--------------|------------------|--------------|------------|-----------|
| Weather: | | 10-11 | dy Tryph | Winds | Environment: | Grassy | oversa | | |
| Multiparamete | r Water Meter | Make: | Horiba | Model: | | Serial Number | - | | |
| Water Lev | el Meter | Make: | Heron | Model: | DipperT | Serial Number: | | 111921 | J D |
| Buffer | Check Value | Units | Range | Pass/Fail | 11 | Adjusted Reading | | Lot# | Exp. |
| pH 4.00a | 4.19 | s.u. | ±0.1 s.u. | F | yes | 4.00 | MSI | 023219-02 | 8/9/2025 |
| pH 7.00a | 6.89 | s.u. | ±0.1 s.u. | F | yes | 7.00 | MSI | 023334-01 | 12/7/2025 |
| pH 10.00a | 10.00 | s.u. | ±0.1 s.u. | P | 10 | NA | MSI | 024037-01 | 2/21/2026 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | P | 20 | NIA | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2010 | μS/cm | ±5% | P | NO | NA | Proactive | 3GJ1438 | Oct-24 |
| ORP | 220 | mV | ±15 mV | P | No | NIA | Reagents | 8406644 | Apr-25 |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 | P | NO | NIA | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 98.3 | % | 97-100% | 1 | No | NA | Pace Labs | N/A (DI) | N/A (DI) |
| Furbidity (DI) Approx. every 8 hr | S, unless only on | NTU e well | <2 NTU | P | 20 | N/A | Pace Labs | N/A (DI) | N/A (DI) |
| ICV | (Initial Calibr | ation V | erification) | | Time: | 9.04 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Action | n Taken? | Manufacturer | Lot# | Exp. |
| oH 4.00b | 3.95 | s.u. | ±0.15 s.u. | P | No | | Proactive | 3GE1074 | May-25 |
| oH 7.00b | 6.87 | s.u. | ±0.15 s.u. | P | 20 |) | Proactive | 3GE1252 | May-25 |
| oH 10.00b | 9.99 | s.u. | ±0.15 s.u. | P | No | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 Approx. every 8 hr | 1040 | μS/cm e well | ±5% | P | NO | | Spectrum | 2NA0024 | Dec-25 |
| CCV (Continue | | | ation): | | Time: | 14:58 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| H 4.00a | 4.12 | s.u. | ±0.1 s.u. | F | yes | 4.01 | MSI | 023219-02 | 8/9/2025 |
| H 7.00a | 6.91 | s.u. | ±0.1 s.u. | P | NO | N/A | MSI | 023334-01 | 12/7/2025 |
| H 10.00a | 10.01 | s.u. | ±0.1 s.u. | P | No | 1 | MSI | 024037-01 | 2/21/2026 |
| C 1000 | 1020 | μS/cm | ±5% | 7 | NO | -1- | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 0.0 | mg/L | ±0.1 mg/L | P | 70 | | Macron | #000228049 | 8/26/2025 |
| urbidity (DI) | s, unless only on | NTU e well | <2 NTU | 19 | 20 | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| omments: Signature: | 1 | 1 | Witne | / | Date: | -712 | 5/24 | , | |

| Multiparameter Water Leve | 22-83.1 20 | | | | | Duck Cre | 5 * 2 | | |
|---------------------------------------|----------------|-------|--------------|-----------|--------------|-----------------------|--------------|------------|-----------|
| Multiparameter Water Leve | | P. 5 | unny wind E | 7-13 mp4 | Environment: | woods - 1 | 1= 55 | | |
| V- | Water Meter | Make: | 4 . | Model: | V-5000 | Serial Number: WVC 83 | | 3485 | |
| · · | Meter | Make: | | Model: | | Serial Number: | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | | Lot# | Ехр. |
| н 4.00а | 4.01 | s.u. | ±0.1 s.u. | P | N | NA | MSI | 023219-02 | 8/9/2025 |
| H 7.00a | 7.05 | s.u. | ±0.1 s.u. | | 1 | 1 | MSI | 023334-01 | 12/7/2025 |
| oH 10.00a | 10,05 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| iC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2090 | μS/cm | ±5% | | | | Proactive | 3GJ1438 | Oct-24 |
| DRP | 234 | mV | ±15 mV | | | | Reagents | 8406644 | Арг-25 |
| OO (Zero pt) | 0.09 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| OO (Saturated) | 97,70 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| urbidity (DI) | 0,3 | NTU | <2 NTU | 1 | 1 | T | Pace Labs | N/A (DI) | N/A (DI) |
| | Initial Calibr | | erification) | | Time: | 0926 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| H 4.00b | 4,02 | s.u. | ±0.15 s.u. | P | 1 | VA | Proactive | 3GE1074 | May-25 |
| H 7.00b | 6,90 | s.u. | ±0.15 s.u. | 1 | | 1 | Proactive | 3GE1252 | May-25 |
| H 10.00b | 9.96 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| C 1000 | 992 | μS/cm | ±5% | 1 | - | | Spectrum | 2NA0024 | Dec-25 |
| pprox. every 8 hrs, CCV (Continued | | | ation): | - 1 | Time: | 1448 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| H 4.00a | 4.08 | s.u. | ±0.1 s.u. | P | N. | NA | MSI | 023219-02 | 8/9/2025 |
| H 7.00a | 707 | s.u. | ±0.1 s.u. | | Ì | | MSI | 023334-01 | 12/7/2025 |
| H 10.00a | 10.03 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| C 1000 | lato | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| O (Zero pt) | 0.08 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| urbidity (DI) pprox. every 8 hrs, | O r D | NTU | <2 NTU | 4 | کے | 7 | Pace Labs | N/A (DI) | N/A (DI) |
| omments: | a.ness only on | | | | | | | | |



| Field Personnel: | MACO | fe. | mberton | | Location: | DOCK ! | cresh | | |
|--|--------------------|--------|--------------|-----------|---------------------|--------------------------|--------------|-------------------|------------------|
| Weather: | 76°-8 | Jan F | wird si | w limpl | Environment: | grass | | | |
| Multiparamete | r Water Meter | Make: | Horibe | Model: | V 5000 | Serial Number: | A65 | THUS | 6 |
| Water Le | vel Meter | Make: | Heran | Model: | Dipper? | Serial Number: | 371 | 7-7 | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| oH 4.00a | 3.94 | s.u. | ±0.1 s.u. | P | M | | MSI | 023219-02 | 8/9/2025 |
| он 7.00а | 7.08 | s.u. | ±0.1 s.u. | 1 | NO | _ | MSI | 023334-01 | 12/7/2025 |
| oH 10.00a | 10.02 | s.u. | ±0.1 s.u. | 1 | NO | _ | MSI | 024037-01 | 2/21/2026 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | P | No | - | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 1940 | μS/cm | ±5% | P | NO | _ | Proactive | 3GJ1438 | Oct-24 |
| ORP | 233 | mV | ±15 mV | P | NO | - | Reagents | 8406644 | Apr-25 |
| DO (Zero pt) | 0.09 | mg/L | ±0.1 | P | NO | ~ | Macron | #000228049 | 8/26/2025 |
| OO (Saturated) | 98.6 | % | 97-100% | P | No | ~ | Pace Labs | N/A (DI) | N/A (DI) |
| Furbidity (DI) | 0.0 | NTU | <2 NTU | P | NO | - | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 h | | | orification) | | | 1001 | 232(| 230 | C |
| Buffer | (Initial Calibr | Units | Range | Pass/Fail | Time: | 1006 n Taken? | Manufacturer | Lot# | Exp. |
| oH 4.00b | W.03 | s.u. | ±0.15 s.u. | P | - Action | TUNCII. | Proactive | 3GE1074 | May-25 |
| оН 7.00b | 7.03 | s.u. | ±0.15 s.u. | P | | | Proactive | 3GE1252 | May-25 |
| H 10.00b | 10.12 | s.u. | ±0.15 s.u. | P | _ | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 956 | μS/cm | ±5% | P | Fanner | | Spectrum | 2NA0024 | Dec-25 |
| opprox. every 8 h | | | -+i). | 1 | _ | 1/20 | | | |
| CCV (Continue Buffer | Check Value | Units | Range | Pass/Fail | Time: Calibrate? | 1501 Adjusted Reading | Manufacturer | 1 - 44 | r |
| oH 4.00a | H.06 | S.u. | ±0.1 s.u. | P | NO | Aujusteu Reauling | MSI | Lot# 023219-02 | Exp. 8/9/2025 |
| H 7.00a | 7.09 | s.u. | ±0.1 s.u. | P | No | - | MSI | 023334-01 | 12/7/2025 |
| H 10.00a | 10.09 | s.u. | ±0.1 s.u. | p | No | | MSI | 024037-01 | 2/21/2026 |
| C 1000 | 1020 | μS/cm | ±5% | 1 | No | _ | Spectrum | 2NA0024 | Dec-25 |
| O (Zero pt) | 0.09 | mg/L | ±0.1 mg/L | P | NO | - | Macron | #000228049 | 8/26/2025 |
| urbidity (DI) | 0.0 | NTU | <2 NTU | 1 | NA | • | Pace Labs | N/A (DI) | N/A (DI) |
| | rs, unless only on | e well | | V | | | | | |
| Approx. every 8 h Comments: Signature: | s, unless only on | e well | | | | | | | |

| Field Personnel | Jorda | Bok | annan | | Location: | Duch G | cash | | |
|------------------------------|---------------------|---------------|--------------------|-----------|--------------|------------------|---------------------|-------------------|------------------------|
| Weather | Trans and | land | y, 10 mph a | riad | Environment: | 0 | Muddie | | |
| Multiparamete | er Water Meter | Make: | Horiba | Model: | U-5000 | Serial Number | 1/322 | , DI/ 1/ | |
| Water Le | vel Meter | Make: | | Model: | | Serial Number | 19550 | PKK | |
| Buffer | Check Value | Linite | Heron | Dass/Fail | Dipper T | | ITF | 1111921 | _ |
| pH 4.00a | 4.17 | Units s.u. | Range ±0.1 s.u. | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# 023219-02 | Exp. 8/9/2025 |
| рН 7.00а | 6.94 | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 023334-01 | 12/7/2025 |
| pH 10.00a | 10.09 | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 024037-01 | 2/21/2026 |
| SC Zero (DI) | 000 9 | μS/cm | 0<25 μS/cm | P | No | N/A | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2030 | μS/cm | ±5% | P | No | N/A | Proactive | 3GJ1438 | Oct-24 |
| DRP | 218 | mV | ±15 mV | P | No | NA | Reagents | 8406644 | Apr-25 |
| OO (Zero pt) | 0.00 | mg/L | ±0.1 | P | No | NA | Macron | #000228049 | 8/26/2025 |
| OO (Saturated) | 98.8 | % | 97-100% | P | NO | N/A | Pace Labs | N/A (DI) | N/A (DI) |
| urbidity (DI) | 0.07 | NTU | <2 NTU | P | No | N/A | Pace Labs | N/A (DI) | N/A (DI) |
| | ors, unless only on | | anification) | | _ | 000 | 1 | | |
| Buffer | / (Initial Calibr | Units | Range | Pass/Fail | Time: | 0919 n Taken? | Manufacturer | Lot# | Ехр. |
| oH 4.00b | 3.98 | s.u. | ±0.15 s.u. | P | None | n ruscii; | Proactive | 3GE1074 | May-25 |
| oH 7.00b | 6.96 | s.u. | ±0.15 s.u. | p | None | | Proactive | 3GE1252 | May-25 |
| oH 10.00b | 9.47 | s.u. | ±0.15 s.u. | P | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 1070 | μS/cm | ±5% | P | None | 2 | Spectrum | 2NA0024 | Dec-25 |
| | rs, unless only on | | | | | | 1 | | |
| | ed Calibration | | | l | Time: | 1458 | | | |
| Buffer oH 4.00a | Check Value | Units | Range ±0.1 s.u. | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer MSI | Lot# | Exp. |
| H 7.00a | 6.98 | s.u. | ±0.1 s.u. | | | | MSI | 023219-02 | 8/9/2025 |
| H 10.00a | 10.01 | s.u. | ±0.1 s.u. | | | | MSI | 023334-01 | 12/7/2025 2/21/2026 |
| C 1000 | 1003 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| O (Zero pt) | 0.00 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | |
| urbidity (DI) | 0.00 | NTU | <2 NTU | 1 | _ | 7 | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 8 h omments: | rs, unless only on | e well | | | | | | | |
| | | | | | | | | | |

| Multiparameter Water I Water Level Meter Buffer Check pH 4.00a 3.7 pH 7.00a 6.3 pH 10.00a 10.2 SC Zero (DI) 15 SC 2000 195 DO (Zero pt) 0.05 Turbidity (DI) 1.5 | Make: Make: Make: Value Units S.u. S.u. L. Make: M | Har.by Har.by QE Range ±0.1 s.u. ±0.1 s.u. 0<25 µS/cm ±5% | Model: Model: Pass/Fail F P | V-Souv | | MOG 8 3 3066 5 Manufacturer MSI MSI | Lot# 023219-02 023334-01 024037-01 | Exp. 8/9/2025 12/7/2025 |
|---|--|---|------------------------------------|---------------------------|--|--|------------------------------------|-------------------------------|
| Multiparameter Water I Water Level Meter Buffer Check pH 4.00a 3.7 pH 7.00a 6.3 pH 10.00a 10.2 SC Zero (DI) 15 SC 2000 195 DO (Zero pt) 0.05 Turbidity (DI) 1.5 | Make: Make: Make: Value Units S.u. S.u. Louin S.u. µS/cm mV | Her.b ₄ QE Ω Range ±0.1 s.u. ±0.1 s.u. 0<25 μS/cm | Model: Model: Pass/Fail F F P | V-Souo MP-36 Calibrate? Y | Serial Number: Adjusted Reading イ, さり ア,のり | 30665 Manufacturer MSI | Lot# 023219-02 023334-01 | 8/9/2025 |
| Buffer Check pH 4.00a 3.7 pH 7.00a 6.3 pH 10.00a 10.2 pC Zero (DI) 15 pC 2000 195 pC 2000 25 1 pC (Zero pt) 0.00 8 pC (Saturated) 98 pC (Saturated) 1.3 | Make: Value Units S.u. S.u. LS/cm MS/cm MV | Range ±0.1 s.u. ±0.1 s.u. 0<25 μS/cm | Pass/Fail | Calibrate? | Serial Number: Adjusted Reading イ, さり ア,のり | 30665 Manufacturer MSI | Lot# 023219-02 023334-01 | 8/9/2025 |
| pH 4.00a 3.7 pH 7.00a 6.8 pH 10.00a 10.2 SC Zero (DI) 15 SC 2000 195 DO (Zero pt) 0.00 8 Turbidity (DI) 1.5 | s.u. s.u. μS/cm μS/cm mV | ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 μS/cm | F F P | 4 | Adjusted Reading Y, &o T, &O lo.00 | Manufacturer MSI MSI | 023219-02 023334-01 | 8/9/2025 |
| pH 7.00a 6 8 pH 10.00a 10.2 SC Zero (DI) 15 SC 2000 195 DO (Zero pt) 0.05 Turbidity (DI) 1.5 | 5.u. 2 s.u. μS/cm μS/cm mV | ±0.1 s.u. ±0.1 s.u. 0<25 μS/cm | F | 4 | 7.00 | MSI | 023334-01 | |
| pH 10.00a | 2 s.u. μS/cm 0 μS/cm mV | ±0.1 s.u. 0<25 μS/cm | F | 4 | 10.00 | | | 12/7/202 |
| SC Zero (DI) 15 SC 2000 195 ORP 25 DO (Zero pt) 0.00 { DO (Saturated) 78.7 Turbidity (DI) 1.2 | μS/cm μS/cm mV | 0<25 μS/cm | P | | | MSI | 024037-01 | |
| ORP 25 DO (Zero pt) 0.0 (Saturated) 78. Turbidity (DI) 1. 3. | μS/cm mV | | - | N | NA | | 024037-01 | 2/21/2026 |
| ORP 25 DO (Zero pt) 0.00 { DO (Saturated) 98.00 { Turbidity (DI) 1.20 | mV | ±5% | p | | / V /1 | Pace Labs | N/A (DI) | N/A (DI) |
| DO (Zero pt) 0.0 { DO (Saturated) 78. Turbidity (DI) 1.5 | , | | - | N | NA | Proactive | 3GJ1438 | Oct-24 |
| DO (Saturated) 98 | mg/L | ±15 mV | F | Y | 229 | Reagents | 8406644 | Apr-25 |
| Turbidity (DI) | | ±0.1 | P | N | NA | Macron | #000228049 | 8/26/2025 |
| | 11 % | 97-100% | P | N | NA | Pace Labs | N/A (DI) | N/A (DI) |
| | | <2 NTU | P | N | NA | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 hrs, unless | Calibration \ | /erification\ | | Time: | Dauz | l' | | |
| Buffer Check | | Range | Pass/Fail | | 0947 n Taken? | Manufacturer | Lot# | Exp. |
| он 4.00ь | | ±0.15 s.u. | P | | / A | Proactive | 3GE1074 | May-25 |
| pH 7.00b 7, 12 | s.u. | ±0.15 s.u. | P | 12 | | Proactive | 3GE1252 | , May-25 |
| он 10.00b jo,o | 2 s.u. | ±0.15 s.u. | P | | | Geotech | 3GA1134 | Jan-25 |
| sc 1000 [6] | | ±5% | P | 2 | | Spectrum | 2NA0024 | Dec-25 |
| Approx. every 8 hrs, unless CCV (Continued Calib | | otion). | | _ | | 1 | | |
| Buffer Check | | Range | Pass/Fail | Time: Calibrate? | 1307 Adjusted Reading | Manufacturer | Lot# | Ехр. |
| 0H 4.00a 4.00 | s.u. | ±0.1 s.u. | P | Na | NA | MSI | 023219-02 | 8/9/2025 |
| oH 7.00a 7.05 | s.u. | ±0.1 s.u. | 1 | | 1 | MSI | 023334-01 | 12/7/2025 |
| он 10.00a | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| SC 1000 1020 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Furbidity (DI) 0.5 | 1416 | <2 NTU | 1 | - | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| approx. every 8 hrs, unless comments: | only one well | | | | | | | |

| Field Personnel: | 12 11 | 6 | | | Locations | 010 | ٨ | | |
|---|-----------------|--------|--------------|-----------|---------------------|--------------------------|--------------|-------------------|------------------|
| | JB AV | V | , ~~, | - | Location: | Duartor | | | |
| Weather: | 7704,1 | ightro | ain, 5mph | wind | Environment: | Grass, Mi | ud | | |
| Multiparamete | r Water Meter | Make: | Horiba | Model: | U-5006 | Serial Number | V736 | OPKI | |
| Water Lev | el Meter | Make: | Heron | Model: | Dipper 1 | Serial Number: | 19FF2 | 111192 | HB |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.40 | s.u. | ±0.1 s.u. | F | Yes | 4.00 | MSI | 023219-02 | 8/9/2025 |
| pH 7.00a | 6.99 | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 023334-01 | 12/7/202 |
| pH 10.00a | 10.03 | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 024037-01 | 2/21/202 |
| SC Zero (DI) | 0002 | μS/cm | 0<25 μS/cm | P | NOA | N/A | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 1670 | μS/cm | ±5% | F | Yes | 2000 | Proactive | 3GJ1438 | Oct-24 |
| ORP | 218 | mV | ±15 mV | P | No | N/A | Reagents | 8406644 | Apr-25 |
| DO (Zerò pt) | 0.00 | mg/L | ±0.1 | P | No | N/A | Macron | #000228049 | 8/26/202 |
| DO (Saturated) | 100 | % | 97-100% | P | No | NIA | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.4 | NTU | <2 NTU | P | No | N/A | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 hi | (Initial Calibr | | erification) | | Timo: | 0844 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| oH 4.00b | 3.74 | s.u. | ±0.15 s.u. | F | | led: 4.00 | Proactive | 3GE1074 | May-25 |
| pH 7.00b | 6.91 | s.u. | ±0.15 s.u. | P | None | | Proactive | 3GE1252 | May-25 |
| oH 10.00b | 9.96 | s.u. | ±0.15 s.u. | P | None | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 999 | μS/cm | ±5% | P | None | | Spectrum | 2NA0024 | Dec-25 |
| Approx. every 8 hr | | | | | | 1/1.45 | 1 | | |
| CCV (Continue Buffer | Check Value | Units | Range | Pass/Fail | Time: Calibrate? | 1407 Adjusted Reading | Manufacturer | 1044 | F |
| oH 4.00a | 4.07 | S.u. | ±0.1 s.u. | P | NO | N/A | MSI | Lot# 023219-02 | Exp. 8/9/2025 |
| рН 7.00a | 7.01 | s.u. | ±0.1 s.u. | | | | MSI | 023334-01 | 12/7/2025 |
| oH 10.00a | 10.02 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| SC 1000 | 1007 | μ\$/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 0.00 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | |
| urbidity (DI) | 0.00 | NTU | <2 NTU | 上 | 1 | هـ | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 hr Comments: Signature: | Boha | | | | Date: | 7/30/ | 2024 | | |

DC-257-204 Multiparameter Meter Field Calibration Checklist Drok creek Acron Field Personnel: Plan be iton Location: wint 5 810, 910 Weather: grass **Environment:** AGJTH HXG Multiparameter Water Meter Make: Model: Serial Number: Horse VSaeo Water Level Meter Make: Heron Model: Serial Number: Dipper 7 3717-7 Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Exp. NO 401 pH 4.00a ±0.1 s.u. MSI 023219-02 8/9/2025 No 6-011 pH 7.00a ±0.1 s.u. MSI 023334-01 12/7/2025 NO 10.08 pH 10.00a ±0.1 s.u. MSI 024037-01 2/21/2026 NO 3 SC Zero (DI) μS/cm 0<25 μS/cm Pace Labs N/A (DI) N/A (DI) 2000 NO SC 2000 μS/cm 3GJ1438 Proactive Oct-24 224 NO ORP mV ±15 mV Reagents 8406644 Apr-25 0-01 NO DO (Zero pt) mg/L ±0.1 Macron #000228049 8/26/2025 18.6 NO DO (Saturated) 97-100% Pace Labs N/A (DI) N/A (DI) 1.2 NO Turbidity (DI) <2 NTU N/A (DI) N/A (DI) Approx. every 8 hrs, unless only one well 230 @ Z40C Time: 09 42 ICV (Initial Calibration Verification) Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Exp. 3.43 pH 4.00b ±0.15 s.u. s.u. Proactive 3GE1074 May-25 Jn. J pH 7.00b s.u. ±0.15 s.u. Proactive 3GE1252 May-25 10.14 pH 10.00b ±0.15 s.u. Geotech 3GA1134 Jan-25 924 10 SC 1000 2NA0024 Spectrum Dec-25 Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): 1416 Time: Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. 4.03 pH 4.00a ±0.1 s.u. MSI 023219-02 8/9/2025 7.05 pH 7.00a ±0.1 s.u. MSI 023334-01 12/7/2025 10.08 pH 10.00a s.u. ±0.1 s.u. MSI 024037-01 2/21/2026 0155 SC 1000 μS/cm ±5% Spectrum 2NA0024 Dec-25 0.00 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2025 NO 0-0 <2 NTU Turbidity (DI) Pace Labs N/A (DI) N/A (DI) Approx. every 8 hrs, unless only one well Comments: Signature: Date: 7/30/2024

| Field Personnel: | JOCK | 0 | | | Location: | Dick Cre | ek | | | |
|-------------------------------------|--------------------------------------|--------|--------------|-----------|---------------------|---------------------------|--------------|-------------------|------------------|--|
| Weather: | | | wind 5 7-10 | douph | Environment: | | | | | |
| Multiparameter | | Make: | | Model: | V-5000 | Serial Number: | WU6836 | 35 | | |
| Water Lev | el Meter | Make: | QED | Model: | MP-30 | Serial Number: | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. | |
| pH 4.00a | 4.02 | s.u. | ±0.1 s.u. | P | N, | NA | MSI | 023219-02 | 8/9/2025 | |
| pH 7.00a | 6.93 | s.u. | ±0.1 s.u. | 1 | 1 | | MSI | 023334-01 | 12/7/202 | |
| pH 10.00a | 9,96 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/202 | |
| SC Zero (DI) | 0,0 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) | |
| SC 2000 | 2020 | μS/cm | ±5% | | | | Proactive | 3GJ1438 | Oct-24 | |
| ORP | 228 | mV | ±15 mV | | | | Reagents | 8406644 | Apr-25 | |
| DO (Zero pt) | 0.07 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 | |
| DO (Saturated) | 99,32 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) | |
| Turbidity (DI) | 0,0 | NTU | <2 NTU | 1.4 | 4 | 1 | Pace Labs | N/A (DI) | N/A (DI) | |
| Approx. every 8 hr | s, unless only or (Initial Calibr | | erification\ | | Times | An | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Time: | 0905 n Taken? | Manufacturer | Lot# | Exp. | |
| pH 4.00b | 3,94 | s.u. | ±0.15 s.u. | P | | (A | Proactive | 3GE1074 | May-25 | |
| pH 7.00b | 6.85 | s.u. | ±0.15 s.u. | 1 | | 1 | Proactive | 3GE1252 | May-25 | |
| pH 10.00b | 9,93 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 | |
| SC 1000 | 1020 | μS/cm | ±5% | T | ار | | Spectrum | 2NA0024 | Dec-25 | |
| Approx. every 8 hr CCV (Continue | | | ntion). | | - | | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Time: Calibrate? | IV 30 Adjusted Reading | Manufacturer | Lott | Fun | |
| oH 4.00a | 4,07 | s.u. | ±0.1 s.u. | P | N ₄ | NA. | MSI | Lot# 023219-02 | Exp. 8/9/2025 | |
| рН 7.00a | 7,05 | s.u. | ±0.1 s.u. | | 1 | 1 | MSI | 023334-01 | 12/7/2025 | |
| oH 10.00a | 10.03 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 | |
| SC 1000 | 1010 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 | |
| OO (Zero pt) | 0 108 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 | |
| urbidity (DI) | 0.0 | NTU | <2 NTU | 1 | F | 1 | Pace Labs | N/A (DI) | N/A (DI) | |
| omments: | s, unless only on | e well | | | | | | | | |
| comments. | | | | | | | | | | |

| Multiparameter W Water Level I Buffer OH 4.00a OH 7.00a | | 01 | Morrbe | Model: | Environment: | Grassy Serial Number: | crech | ا ۱ م ا | 1 |
|---|----------------------|----------|--------------|-----------|--------------|--------------------------|--------------|------------|-----------|
| Water Level I Buffer O OH 4.00a OH 7.00a | Meter Check Value | Make: | | Model: | V Sego | 0 | 2 - X | ~ LAL | 1 |
| Buffer (DH 4.00a PH 7.00a | Check Value | Make: | 4.5 | + | - 2000 | Schai Number. | 5/8: | SNNI | VF |
| oH 4.00a H | | | Heron | Model: | Dipper T | Serial Number: | 371 | フーブ | |
| oH 7.00a | FOI | Units | Range | Pass/Fail | ++ | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| | 1.01 | s.u. | ±0.1 s.u. | P | NO | ~ | MSI | 023219-02 | 8/9/2025 |
| | . 93 | s.u. | ±0.1 s.u. | 1 | NO | | MSI | 023334-01 | 12/7/2025 |
| oH 10.00a | 7.94 | s.u. | ±0.1 s.u. | P | 16 | _ | MSI | 024037-01 | 2/21/2026 |
| SC Zero (DI) | 13 | μS/cm | 0<25 μS/cm | P | NO | ~ | Pace Labs | N/A (DI) | N/A (DI) |
| | 2000 | μS/cm | ±5% | P | No | - | Proactive | 3GJ1438 | Oct-24 |
| ORP) | 86 | mV | ±15 mV | C | yes | 235 | Reagents | 8406644 | Apr-25 |
| OO (Zero pt) | 7.04 | mg/L | ±0.1 | P | No | _ | Macron | #000228049 | 8/26/2025 |
| OO (Saturated) | Na. 6 | % | 97-100% | 1 | No | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) |).0 | NTU | <2 NTU | 6 | NO | - | Pace Labs | N/A (DI) | N/A (DI) |
| | nitial Calibra | | erification) | | Time: | 1035 | 233 | @ 1100 | |
| | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| oH 4.00b | 3.018 | s.u. | ±0.15 s.u. | P | - | | Proactive | 3GE1074 | May-25 |
| н 7.00ь | ,92 | s.u. | ±0.15 s.u. | P | _ | | Proactive | 3GE1252 | May-25 |
| H 10.00b | 7.81 | ş.u. | ±0.15 s.u. | P | _ | _ | Geotech | 3GA1134 | Jan-25 |
| C 1000 | 030 | μS/cm | ±5% | P | | _ | Spectrum | 2NA0024 | Dec-25 |
| Approx. every 8 hrs, u CCV (Continued (| | | ation): | | Time: | 1532 | | | |
| | heck Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| H 4.00a | 4.09 | s.u. | ±0.1 s.u. | P | No | _ | MSI | 023219-02 | 8/9/2025 |
| H 7.00a | .98 | s.u. | ±0.1 s.u. | P | No | _ | MSI | 023334-01 | 12/7/2025 |
| H 10.00a | 7.94 | s.u. | ±0.1 s.u. | P | No | - | MSI | 024037-01 | 2/21/2026 |
| C 1000 | 85 | μS/cm | ±5% | P | NO | _ | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 80.0 | mg/L | ±0.1 mg/L | P | No | | Macron | #000228049 | 8/26/2025 |
| urbidity (DI) | 1-3 | NTU | <2 NTU | P | NO | | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every a rirs, u omments: | mices only one | : 44 €11 | | | | | | | |



| pH 4.00a | Field Personnel: | JB A | 101 | | | Location: | DuckC | reek | | |
|--|------------------|-------------------|--------|--------------|-----------|--------------|------------------|--------------|------------|-----------|
| Multiparameter Water Make: Herron Model: Herron Model: Herron Model: Herron Model: Herron Model: Herron Model: Dipper7 Serial Number: 19FF 2111/74/13 E 19F1 4.00a 3.96 s.u. ±0.1 s.u. P NO N/A MSI 023219-02 8/9/2 MSI 023219-02 8/9/2 MSI 023334-01 12/7/2 MSI 024037-01 2/21/2 | Weather: | BOOF, (| lovo | ly, | | Environment: | Grassy | Mud | | |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# E pH 4.00a 3.96 s.u. ±0.1 s.u. P NO N/A MSI 023219-02 8/9/2 http://dx.doi.org/10.03/2.01.00.00.00/2.01.00.00/2. | Multiparameter | r Water Meter | Make: | Horiba | Model: | U-5000 | U | | | |
| pH 4.00a | Water Lev | el Meter | Make: | Heron | Model: | _ | Serial Number: | 19FF 2 | 1111921 | +B |
| pH 7.00a | Buffer | Check Value | Units | | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 10.00a | pH 4.00a | 3.96 | s.u. | ±0.1 s.u. | P | No | | MSI | 023219-02 | 8/9/2025 |
| 10.00a 10.10 10.00 10 | рН 7.00а | 6.88 | s.u. | ±0.1 s.u. | F | Yes | 7.00 | MSI | 023334-01 | 12/7/202 |
| Sc 2000 207 2 | pH 10.00a | 10.03 | s.u. | ±0.1 s.u. | P | No | N/A | MSI | 024037-01 | 2/21/2020 |
| DC DC DC DC DC DC DC DC | SC Zero (DI) | | μS/cm | 0<25 μS/cm | 1 | 1 | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| DO (Zero pt) | SC 2000 | | μS/cm | ±5% | 1 | | | Proactive | 3GJ1438 | Oct-24 |
| DO (Saturated) DO OTO NTU <2 NTU Pace Labs N/A (DI) | ORP | 297 | mV | ±15 mV | | | | Reagents | 8406644 | Apr-25 |
| Turbidity (DI) | DO (Zero pt) | 0.00 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification) Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# End Ph 4.00b Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# End Ph 4.00b Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# End Ph 4.00b Buffer Check Value Units Range Pass/Fail Range Pass/Fa | DO (Saturated) | 100 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| ICV (Initial Calibration Verification) Time: 019 | | 0 - 0 | 1 | <2 NTU | 2 | 4 | 4 | Pace Labs | N/A (DI) | N/A (DI) |
| Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# E. pH 4.00b 3.90 s.u. ±0.15 s.u. P Norve Proactive 3GE1074 May-2 pH 10.00b 6.95 s.u. ±0.15 s.u. Delta 10.00b | | | | erification) | | Time: | lara | 1 | | |
| pH 4.00b 3.90 s.u. ±0.15 s.u. Proactive 3GE1074 May-2 pH 7.00b 6.95 s.u. ±0.15 s.u. Proactive 3GE1252 May-2 pH 10.00b 6.95 s.u. ±0.15 s.u. Geotech 3GA1134 Jan-2: SC 1000 998 µS/cm ±5% Spectrum 2NA0024 Dec-2 Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# En PH 4.00a 7.03 s.u. ±0.1 s.u. NO N/A MSI 023219-02 8/9/2 pH 7.00a 7.03 s.u. ±0.1 s.u. Spectrum 2NA0024 Dec-2 pH 10.00a 10.00 s.u. ±0.1 s.u. Spectrum 2NA0024 Dec-2 SC 1000 1011 µS/cm ±5% Spectrum 2NA0024 Dec-2 | | | | | Pass/Fail | | 9 | Manufacturer | Lot# | Exp. |
| pH 10.00b | pH 4.00b | 3.90 | | | - | Non | ve | | | May-25 |
| SC 1000 | pH 7.00b | | s.u. | ±0.15 s.u. | | | | Proactive | 3GE1252 | May-25 |
| Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Estern Ph 4.00 | pH 10.00b | 16.03 | s.u. | ±0.15 s.u. | + | | | Geotech | 3GA1134 | Jan-25 |
| CCV (Continued Calibration Verification): Time: 15 % Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Expression of the pass of the pa | | | | ±5% | مل | | | Spectrum | 2NA0024 | Dec-25 |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Expectation pH 4.00a 4 .07 s.u. ±0.1 s.u. NO N/A MSI 023219-02 8/9/20 pH 7.00a s.u. ±0.1 s.u. MSI 023334-01 12/7/20 pH 10.00a 10 .0 λ s.u. ±0.1 s.u. MSI 024037-01 2/21/20 SC 1000 101 μS/cm ±5% Spectrum 2NA0024 Dec-2 | | | | ation). | | Time | 1535 | | | |
| pH 4.00a | | | | | Pass/Fail | | | Manufacturer | Lot# | Exp. |
| DH 10.00a | | | | | P | | 4. | | | 8/9/2025 |
| SC 1000 1011 | ρΗ 7.00а | 7.03 | s.u. | ±0.1 s.u. | | | | MSI | 023334-01 | 12/7/2025 |
| 0 0% | oH 10.00a | 10.02 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| DO (Zero pt) 0 .05 mg/L ±0.1 mg/L ±0.1 mg/L Macron #000228049 8/26/ | SC 1000 | 1011 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| | DO (Zero pt) | 0.00 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| | | | | <2 NTU | - | 1 | - | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 hrs, unless only one well Comments: | | s, unless only on | e well | | | | | | | |

| Field Personnel: | 20 | | | | Location: | Duck Creek | | | |
|------------------------------|-------------------|----------------|--------------|-----------|--------------|------------------|--------------|------------|-----------|
| Weather: | 81-92-F | cloudy | wind SW7 | -9mpl | Environment: | grass | | | |
| Multiparamete | | | Horiba | Model: | U-5000 | Serial Number | WUG83 | C85 | |
| Water Le | el Meter | Make: | QEO | Model: | 7930 | Serial Number | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| pH 4.00a | 3,66 | s.u. | ±0.1 s.u. | F | 7 | 400 | MSI | 023219-02 | 8/9/2025 |
| pH 7.00a | 6,92 | s.u. | ±0.1 s.u. | P | N | NA | MSI | 023334-01 | 12/7/202 |
| pH 10.00a | 10.04 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2020 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μ\$/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2010 | μS/cm | ±5% | | | | Proactive | 3GJ1438 | Oct-24 |
| ORP | 244 | mV | ±15 mV | | | | Reagents | 8406644 | Apr-25 |
| OO (Zero pt) | 0,09 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| OO (Saturated) | 99.52 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Furbidity (DI) | O rO | NTU ie welf | <2 NTU | 1 | عد | + | Pace Labs | N/A (DI) | N/A (DI) |
| | (Initial Calibr | | erification) | | Time: | 1008 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Actio | n Taken? | Manufacturer | Lot# | Exp. |
| он 4.00b | 3.92 | s.u. | ±0.15 s.u. | b | M | 1 | Proactive | 3GE1074 | May-25 |
| он 7.00b | 6,85 | s.u. | ±0.15 s.u. | 1 | 1 | | Proactive | 3GE1252 | Мау-25 |
| H 10.00b | 10,03 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| C 1000 Approx. every 8 hr | 961 | μS/cm | ±5% | 1 | 1 | | Spectrum | 2NA0024 | Dec-25 |
| CCV (Continue | | | etion): | | Time: | 1540 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| H 4.00a | 4.03 | s.u. | ±0.1 s.u. | P | N. | NA | MSI | 023219-02 | 8/9/2025 |
| H 7.00a | 7.07 | s.u. | ±0.1 s.u. | í | 1 | | MSi | 023334-01 | 12/7/2025 |
| H 10.00a | 10,05 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| C 1000 | 1000 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| O (Zero pt) | 80,0 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| urbidity (DI) | 0.0 | NTU | <2 NTU | 7 | 1 | _ | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 8 hr | s, unless only on | e well | | | | | | | |
| opprox. every 8 nr | s, unless only on | e weii | | | | | | | |

| Weather: Multiparameter Water Lev Buffer DH 4.00a | | Make: | mberton w | | | DUCA | | | |
|---|--------------------------------|---------|--------------|-----------|---------------------|--------------------------|--------------|------------|-----------|
| Water Lev | | Make | I to make | rant | Environment: | dras | 5 ms | 4 | |
| Buffer | el Meter | iviake: | Horse | Model: | VS000 | Serial Number: | - | NNN | IF |
| | | Make: | Hean | Model: | 0:0017 | Serial Number: | | | |
| oH 4.00a | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| | 4.01 | S.U. | ±0.1 s.u. | P | No | ~ | MSI | 023219-02 | 8/9/2025 |
| oH 7.00a | 6.98 | s.u. | ±0.1 s.u. | P | NO | - | MSI | 023334-01 | 12/7/202 |
| oH 10.00a | 9,99 | s.u. | ±0.1 s.u. | 1 | No | _ | MSI | 024037-01 | 2/21/2020 |
| SC Zero (DI) | 14 | μS/cm | 0<25 μS/cm | 1 | NO | _ | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2010 | μS/cm | ±5% | P | NO | _ | Proactive | 3GJ1438 | Oct-24 |
| ORP | 279 | mV | ±15 mV | 5 | yes | 229 | Reagents | 8406644 | Apr-25 |
| OO (Zero pt) | 0-09 | mg/L | ±0.1 | f | NO | - | Macron | #000228049 | 8/26/2025 |
| OO (Saturated) | 99.3 | % | 97-100% | P | No | _ | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0,5 | NTU | <2 NTU | P | No | | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 hr | | | orification) | , | T | 00-00 | 229@ | 25°C | |
| Buffer | (Initial Calibr Check Value | Units | Range | Pass/Fail | Time: | n Taken? | Manufacturer | Lot# | Exp. |
| oH 4.00b | 3,97 | s.u. | ±0.15 s.u. | P | | | Proactive | 3GE1074 | May-25 |
| H 7.00b | 6.89 | s.u. | ±0.15 s.u. | P | - | - | Proactive | 3GE1252 | May-25 |
| H 10.00b | 9.94 | s.u. | ±0.15 s.u. | 9 | _ | _ | Geotech | 3GA1134 | Jan-25 |
| C 1000 | 1020 | μS/cm | ±5% | P | ı | | Spectrum | 2NA0024 | Dec-25 |
| opprox. every 8 hrs | | | ation): | | Tour | 11/12 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Time: Calibrate? | 1412 Adjusted Reading | Manufacturer | Lot# | Ехр. |
| H 4.00a | 4.03 | s.u. | ±0.1 s.u. | R | NO | - Augusteu Neuurig | MSI | 023219-02 | 8/9/2025 |
| H 7.00a | 2.03 | s.u. | ±0.1 s.u. | P | No | V | MSI | 023334-01 | 12/7/2025 |
| H 10.00a | 0.06 | s.u. | ±0.1 s.u. | P | 16 | ا | MSI | 024037-01 | 2/21/2026 |
| C 1000 | 1010 | μS/cm | ±5% | P | No |) | Spectrum | 2NA0024 | Dec-25 |
| O (Zero pt) | 0.09 | mg/L | ±0.1 mg/L | P | NO | _ | Macron | #000228049 | 8/26/2025 |
| urbidity (DI) | 0.0 | NTU | <2 NTU | p | , MA | ~ | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 8 hrs omments: | s, unless only on | e well | | V | | | | | |

60

DC-257-204 Multiparameter Meter Field Calibration Checklist Location: Field Personnel: Duck Creek 51.KO 76-86 F down wind W54 Weather: Environment: 97255 Multiparameter Water Meter Make: W4683685 Model: Serial Number: Horiba U-5000 Water Level Meter Make: Model: MP 30 Serial Number: MED 30065 Buffer Check Value Ехр. Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer 4.31 F 4.00 pH 4.00a ±0.1 s.u. 023219-02 8/9/2025 6.99 N NA pH 7.00a MSI ±0.1 s.u. 023334-01 12/7/2025 10,03 pH 10.00a ±0.1 s.u. 024037-01 2/21/2026 0.0 SC Zero (DI) μS/cm 0<25 µS/cm Pace Labs N/A (DI) N/A (DI) 2050 SC 2000 μS/cm ±5% Oct-24 227 ORP mV ±15 mV Reagents 8406644 Apr-25 0,9 DO (Zero pt) mg/L ±0.1 #000228049 8/26/2025 Macron 98.88 DO (Saturated) 97-100% Pace Labs N/A (DI) N/A (DI) 0.0 Turbidity (DI) <2 NTU Pace Labs N/A (DI) N/A (DI) Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification) 0850 Check Value Units Pass/Fail Action Taken? Range Manufacturer Lot# Exp. 0 3,96 NA pH 4.00b s.u. ±0.15 s.u. Proactive 3GE1074 May-25 6.85 pH 7.00b ±0.15 s.u. s.u. Proactive 3GE1252 May-25 10,02 pH 10.00b s.u. ±0.15 s.u. Geotech 3GA1134 Jan-25 SC 1000 μS/cm 2NA0024 Spectrum Dec-25 Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Time: 1410 Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading | Manufacturer Lot# Ехр. 4.07 N NA pH 4.00a ±0.1 s.u. s.u. MSI 023219-02 8/9/2025 7.05 pH 7.00a s.u. ±0.1 s.u. MSI 023334-01 12/7/2025 10,04 pH 10.00a ±0.1 s.u. s.u. MSI 024037-01 2/21/2026 990 SC 1000 μS/cm ±5% Spectrum 2NA0024 Dec-25 008 DO (Zeró pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2025 0 (1) Turbidity (DI) <2 NTU Pace Labs N/A (DI) N/A (DI) Approx. every 8 hrs, unless only one well Comments: 8/1/24 Signature:

DUCK CREEK, LANDFILL DC-257-204 Multiparameter Meter Field Calibration Checklist Field Personnel: Location: Duck Creek Weather: **Environment**: Cloudy 6mph wind V7320 PKK Make: Multiparameter Water Meter Serial Number: U5000 Water Level Meter Make: Model: Dipper T Serial Number: Buffer Check Value Pass/Fail Calibrate? Units Range Adjusted Reading Ехр. 4.14 Yes 4.00 pH 4.00a ±0.1 s.u. s.u. MSI 023219-02 8/9/2025 7.00 6.89 pH 7.00a s.u. ±0.1 s.u. MSI 023334-01 12/7/2025 10.03 N/A No pH 10.00a s.u. ±0.1 s.u. MSI 024037-01 2/21/2026 0.00 SC Zero (DI) μS/cm 0<25 µS/cm Pace Labs N/A (DI) N/A (DI) 2050 SC 2000 μS/cm ±5% Proactive 3GJ1438 Oct-24 P 219 m۷ ±15 mV Reagents 8406644 Apr-25 000 DO (Zero pt) mg/L ±0.1 #000228049 8/26/2025 Macron 100% DO (Saturated) 97-100% Pace Labs N/A (DI) N/A (DI) 0.00 Turbidity (DI) <2 NTU Pace Labs N/A (DI) N/A (DI) Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification) Time: 0842 Buffer Check Value Units Pass/Fail Action Taken? Range Manufacturer Lot# Exp. None pH 4.00b ±0.15 s.u. Proactive 3GE1074 May-25 None pH 7.00b s.u. ±0.15 s.u. Proactive 3GE1252 May-25 None pH 10.00b s.u. ±0.15 s.u. Geotech 3GA1134 Jan-25 None SC 1000 μS/cm ±5% Spectrum 2NA0024 Dec-25 Approx. every 8 hrs, unless only one well 1340 CCV (Continued Calibration Verification): Buffer Check Value Units Pass/Fail Calibrate? Adjusted Reading Range Manufacturer Lot# Exp. NA No 4.01 pH 4.00a S.II. ±0.1 s.u. MSI 023219-02 8/9/2025 7.02 pH 7.00a s.u. ±0.1 s.u. MSI 023334-01 12/7/2025 9.89 pH 10.00a ±0.1 s.u. s.u. MSI 024037-01 2/21/2026 987 SC 1000 μS/cm ±5% Spectrum 2NA0024 Dec-25 0.00 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2025 0.00 NTU Turbidity (DI) <2 NTU Pace Labs N/A (DI) N/A (DI) Approx. every 8 hrs, unless only one well Comments: 9/1/24 1Bohuman Signature:

DUCK CREEK, LANDFILL DC-257-204 **Multiparameter Meter Field Calibration Checklist** Field Personnel: Location: Weathers wind back wsw Environment: Grass) Horibon Multiparameter Water Meter Make: Model: Serial Number: Water Level Meter Make: Model: Serial Number: Buffer Check Value Pass/Fail Calibrate? Adjusted Reading Units Range Manufacturer Ехр. pH 4.00a ±0.1 s.u. s.u. MSI 023219-02 8/9/2025 pH 7.00a s.u. ±0.1 s.u. MSI 023334-01 12/7/2025 pH 10.00a ±0.1 s.u. s.u. MSI 024037-01 2/21/2026 SC Zero (DI) μS/cm 0<25 µS/cm Pace Labs N/A (DI) N/A (DI) SC 2000 μS/cm ±5% Proactive 3GJ1438 Oct-24 ORP m۷ ±15 mV Reagents 8406644 Apr-25 DO (Zero pt) mg/L ±0.1 Macron #000228049 8/26/2025 DO (Saturated) % 97-100% Pace Labs N/A (DI) N/A (DI) Turbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A (DI) Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification) Time: Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Ехр. pH 4.00b s.u. ±0.15 s.u. 3GE1074 Proactive May-25 pH 7.00b s.u. ±0.15 s.u. Proactive 3GE1252 May-25 pH 10.00b s.u. ±0.15 s.u. Geotech 3GA1134 Jan-25 SC 1000 μS/cm ±5% Spectrum 2NA0024 Dec-25 Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Time: Buffer Check Value Units Range Pass/Fail Calibrate? **Adjusted Reading** Manufacturer Lot# Exp. pH 4.00a s.u. ±0.1 s.u. MSI 023219-02 8/9/2025 7,0 pH 7.00a s.u. ±0.1 s.u. MS1 023334-01 12/7/2025 pH 10.00a s.u. ±0.1 s.u. MSI 024037-01 2/21/2026 SC 1000 μS/cm ±5% Spectrum 2NA0024 Dec-25 DO (Zero pt) mg/L ±0.1 mg/L #000228049 8/26/2025 Macron Turbidity (DI) <2 NTU Pace Labs N/A (DI) N/A (DI) Approx. every 8 hrs, unless only one well Comments:

Signature:

| pH 4.00a 4 pH 7.00a 7 pH 10.00a 9 SC Zero (DI) | ater Meter | Make: Make: Units s.u. | HORIEN CARTON HEAD Range | Model: Model: Pass/Fail | Environment: U-52 WT | Serial Number: | . 1 | INDIAN | |
|---|--------------------------------|-------------------------|-----------------------------------|------------------------------------|----------------------|------------------|--------------|------------|-----------|
| Water Level M Buffer Cl pH 4.00a 4 pH 7.00a 7 pH 10.00a 9 SC Zero (DI) | neter Meter Meter heck Value | Make: Make: Units | HORIEN CARTON HEAD Range | Model: | | Serial Number: | 45x2 | IHRP | |
| Buffer Cl pH 4.00a 4 pH 7.00a 7 pH 10.00a 9 | heck Value | Units s.u. | Range | | WT | | 10.000 | | |
| pH 4.00a 4 pH 7.00a 7 pH 10.00a 9 SC Zero (DI) | .29 | s.u. | Range | Pass/Fail | | | | IML | |
| pH 7.00a 7 pH 10.00a 9 | . os | | | 1000 | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 10.00a 9 | | s.u. | ±0.1 s.u. | FAIL | VFS | 4.00 | MSI | 023219-02 | 8/9/2025 |
| SC Zero (DI) | .99 | | ±0.1 s.u. | 9450 | Na | NA | MSI | 023334-01 | 12/7/2025 |
| | | s.u. | ±0.1 s.u. | | | 1 | MSI | 024037-01 | 2/21/2026 |
| SC 2000 | .01 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| | 998 | μS/cm | ±5% | | | | Proactive | 3GJ1438 | Oct-24 |
| ORP S | 31 | mV | ±15 mV | | | | Reagents | 8406644 | Apr-25 |
| DO (Zero pt) | 20.00 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 8 | % | 97-100% | $\downarrow \downarrow \downarrow$ | | | Pace Labs | N/A (DI) | N/A (DI) |
| Furbidity (DI) | oless only one | NTU | <2 NTU | 1 | 1 | | Pace Labs | N/A (DI) | N/A (DI) |
| | | | erification) | | Time: | 1006 | | | |
| | neck Value | ⊎nits | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b 4 | .01 | s.u. | ±0.15 s.u. | 9435 | N |) | Proactive | 3GE1074 | May-25 |
| oH 7.00b | 7.03 | s.u. | ±0.15 s.u. | | 1 | | Proactive | 3GE1252 | May-25 |
| он 10.00b | .97 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| sc 1000 | 99 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| Approx. every 8 hrs, ur CCV (Continued C | | | ation). | | Time: | 1020 | f | | |
| | neck Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| | .03 | s.u. | ±0.1 s.u. | BASS | 000 | MA | MSI | 023219-02 | 8/9/2025 |
| oH 7.00a | 2.98 | s.u. | ±0.1 s.u. | | | | MSI | 023334-01 | 12/7/2025 |
| он 10.00а | 00.0 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| SC 1000 |)12 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 0.0 | mg/L | ±0.1 mg/L | 1 | | | Macron | #000228049 | 8/26/2025 |
| Furbidity (DI) Approx. every 8 hrs, ur | 0 | NTU | <2 NTU | | 1 | , v | Pace Labs | N/A (DI) | N/A (DI) |
| Comments: | ness only one | weii | | | | | | | |

DUCK EREEK, LANDFILL DC-257 204 Pace® Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

December 06, 2024

Daryl Johnson Vistra - Duck Creek 17751 North Cilco Road Canton, IL 61520-8761

Dear Daryl Johnson:

Please find enclosed the analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Sincerely,

Diane Billings Project Manager

Diane Bellings

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

HJ04540

Work Order

| YES | Samples received within temperature compliance when applicable |
|-----|--|
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| NO | Zero headspace, <6 mm present in VOA vials |
| NO | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| YES | Short hold time analysis |
| YES | Current PDC COC submitted |
| | |

NO

Case narrative provided

Work Order HJ05299

| YES | Samples received within temperature compliance when applicable |
|-----|--|
| YES | COC present upon sample receipt |
| YES | COC completed & legible |
| YES | Sampler name & signature present |
| YES | Unique sample IDs assigned |
| YES | Sample collection location recorded |
| YES | Date & time collected recorded on COC |
| YES | Relinquished by client signature on COC |
| YES | COC & labels match |
| YES | Sample labels are legible |
| YES | Appropriate bottle(s) received |
| YES | Sufficient sample volume received |
| YES | Sample containers received undamaged |
| NO | Zero headspace, <6 mm present in VOA vials |
| NO | Trip blank(s) received |
| YES | All non-field analyses received within holding times |
| NO | Short hold time analysis |
| YES | Current PDC COC submitted |
| YES | Case narrative provided |

Case Narrative

G04L, G07L, G08L, G09L, G14L, G15L, BA02L, BA03L, G50L, G51L and G72L were dry. Wells were checked several times in an effort to get samples. Due to limited volumes at G02L, OM17, G06L, ORO2, P36L and P60, the wells were sampled over several days so results are in multiple work orders. We are not able to provide DTW at X301 due to no access point.

ANALYTICAL RESULTS

Sample: HJ04540-02 Name: G06S

Matrix: Ground Water - Grab

Sampled: 10/23/24 12:30 **Received:** 10/23/24 16:18

PO #: 2438773/2438768

| Parameter | Result | Unit | Qualifier Prep | ared Di | lution | MRL | Analyzed | Analyst | Method |
|---|--------|----------|----------------|-----------|--------|------|----------------|---------|-------------------|
| Anions - PIA | | | | | | | | | |
| Sulfate | 140 | mg/L | 10/30/2 | 4 16:20 5 | 0 | 50 | 10/30/24 16:20 | JSM | EPA 300.0 REV 2.1 |
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 23.48 | Feet | 10/23/2 | 4 12:30 | | | 10/23/24 12:30 | FIELD | Field* |
| Dissolved oxygen, Field | 1.8 | mg/L | 10/23/2 | 4 12:30 | | | 10/23/24 12:30 | FIELD | Field* |
| Oxidation Reduction Potential | 75.0 | mV | 10/23/2 | 4 12:30 | | -500 | 10/23/24 12:30 | FIELD | Field* |
| pH, Field Measured | 6.93 | pH Units | 10/23/2 | 4 12:30 | | | 10/23/24 12:30 | FIELD | Field* |
| Specific Conductance, Field Measured | 869.0 | umhos/cm | 10/23/2 | 4 12:30 | | | 10/23/24 12:30 | FIELD | Field* |
| Temperature, Field Measured | 13.4 | °C | 10/23/2 | 4 12:30 | | | 10/23/24 12:30 | FIELD | Field* |
| Turbidity, Field Measured | 38.7 | NTU | 10/23/2 | 4 12:30 | | 0.00 | 10/23/24 12:30 | FIELD | Field* |

Sample: HJ05299-03 Name: G12S

Matrix: Ground Water - Grab

 Sampled:
 10/16/24 12:18

 Received:
 10/29/24 16:12

 PO #:
 2438773/2438768

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---|--------|----------|-----------|----------------|----------|------|----------------|---------|--------|
| Field - PIA | | | | | | | | | |
| Depth, From Measuring Point | 24.35 | Feet | | 10/16/24 12:02 | 1 | | 10/16/24 12:02 | FIELD | Field* |
| Dissolved oxygen, Field | 2.3 | mg/L | | 10/16/24 12:02 | 1 | | 10/16/24 12:02 | FIELD | Field* |
| Oxidation Reduction Potential | -140 | mV | | 10/16/24 12:02 | 1 | -500 | 10/16/24 12:02 | FIELD | Field* |
| pH, Field Measured | 7.35 | pH Units | | 10/16/24 12:02 | 1 | | 10/16/24 12:02 | FIELD | Field* |
| Specific Conductance, Field Measured | 673.0 | umhos/cm | | 10/16/24 12:02 | 1 | | 10/16/24 12:02 | FIELD | Field* |
| Temperature, Field Measured | 13.9 | °C | | 10/16/24 12:02 | 1 | | 10/16/24 12:02 | FIELD | Field* |
| Turbidity, Field Measured | 23.0 | NTU | | 10/16/24 12:02 | 1 | 0.00 | 10/16/24 12:02 | FIELD | Field* |

QC SAMPLE RESULTS

| Parameter | Result | Unit | Qual | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|---------------|-------|------|----------------|------------------|--------|----------------|-----|--------------|
| Batch B447311 - IC No Prep - EPA 300.0 REV 2.1 | | | | | | | | | |
| Calibration Blank (B447311-CCB1) | | | | Prepared & | Analyzed: 10 | /30/24 | | | |
| Sulfate | 0.00 | mg/L | | | | | | | |
| Calibration Check (B447311-CCV1) | | | | Prepared & | Analyzed: 10 | /30/24 | | | |
| Sulfate | 4.89 | mg/L | | 5.000 | | 98 | 90-110 | | |
| Matrix Spike (B447311-MS1) | Sample: HJ045 | 40-08 | | Prepared & | Analyzed: 10 | /30/24 | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 13.3 | NR | 80-120 | | |
| Matrix Spike (B447311-MS2) | Sample: HJ045 | 40-09 | | Prepared & | Analyzed: 10 | /30/24 | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 12.5 | NR | 80-120 | | |
| Matrix Spike (B447311-MS3) | Sample: HJ045 | 40-10 | | Prepared & | Analyzed: 10 | /30/24 | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 137 | NR | 80-120 | | |
| Matrix Spike Dup (B447311-MSD1) | Sample: HJ045 | 40-08 | | Prepared & | Analyzed: 10 | /30/24 | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 13.3 | NR | 80-120 | 0 | 20 |
| Matrix Spike Dup (B447311-MSD2) | Sample: HJ045 | 40-09 | | Prepared & | Analyzed: 10 | /30/24 | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 12.5 | NR | 80-120 | 0 | 20 |
| Matrix Spike Dup (B447311-MSD3) | Sample: HJ045 | 40-10 | | Prepared & | Analyzed: 10 | /31/24 | | | |
| Sulfate | 1.00E9 | mg/L | Q4 | 1.500 | 137 | NR | 80-120 | 0 | 20 |
| | | | | | | | | | |

NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807 USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389 TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050 Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

Q4 The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level. The associated blank spike was acceptable.

Diani Bellings

TNI TNI TNI TNI

Certified by: Diane Billings, Project Manager

HJOHSHO

(N/A) 10 Project No./ Lab I.D. DRINKING WATER SAMPLE CONDITIONS (N/A) Custody saled Coo of 10 Received on (V/N) REGULATORY AGENCY OTHER Page: Residual Chlorine (Y/N) D. ni qmeT GROUND WATER DC-MbCb-503-508 = TIME OC-SUP-000 RCRA Requested Analysis Filtered (Y/N) OC-HCK-201-202 DC-CLOSURE-201-202 STATE: Site Location DATE 10/20 DC-842-502 NPDES UST DC-842-503 10/33 DC-842-501-505 Ba OC-811-204 DATE Signed (MM/DD/YY): ACCEPTED BY / AFFILIATION DC-521-509 CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately DC-521-504 DC-521-503 # Jest Test TN/A Other Methanol Vistra Corp see Section A Brian Voelker Na₂S₂O₃ Preservatives DESKE HOBN HCI EONH ampany Name: LARES OS2H Section C Unpreserved TIME Address: 0 7 7 7 # OF CONTAINERS SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: 45/840 SAMPLE TEMP AT COLLECTION SIGNATURE of SAMPLER: DATE Daryl Johnson: Robert Johnson@vistracorp.com Sam Davies: samantha.davies@vistracorp.com 120 888 130% 345 202 878 135 138 120 459 COLLECTED RELINQUISHED BY / AFFILIATION 93 DATE eport To: Brian Voelker SAMPLE TYPE (G=GRAB C=COMP) Section B Required Project Info urchase Order No. MATRIX CODE (see valid codes to left) oject Name: Copy To Valid Matrix Codes WATER WASTE WATER PRODUCT SOIL/SOLID MATRIX Brian Voelker@VistraCorp.com 10 day DC-24Q4 Rev 0 ADDITIONAL COMMENTS Vistra Corp-Duck Creek (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE 17751 North Cilco Rd SAMPLE ID Canton, IL 61520 Requested Due Date/TAT: ORSO BA00 Required Client Information. (217) 753-8911 1048 BAOG BAO 1048 Section D Required Client 2178 200 13 15 10 = 12 4 16 2 m 4 0 9 8 6 # WBII

| Slent | Section B Required Project Information: | Seci | Section C Invoice Information: | | | | | | | | | Page: | le: 1 | Jo | 10 |
|--|---|--|--|---|-----------------|------------|-----------|-----------------------------------|---------------|------------------------------------|---------------|---------|-------------------------|---------------------|--------|
| Company. Vistra Corp-Duck Creek | Report To: Brian Voelker | | Attention: Brian Voelker | oelker | | | | | | | | | | | |
| Address. 17751 North Cilco Rd | Copy To. Sam Davies: samantha davies@vistracorp.com | | Company Name: Vist | Vistra Corp | | | | | | 2 | EGUL/ | TORY | REGULATORY AGENCY | | |
| Canton, IL 61520 | Daryl Johnson. Robert Johnson@vistracorp.com | corp.com Address. | sss see Section A | ction A | | | | NPDES | ES | GRO | GROUND WATER | ATER | DRI | DRINKING WATER | ER |
| Email To: Brian Voelker@VistraCorp.com | Purchase Order No.: | Quote | auce | | | | | UST | | RCRA | 4 | | OTHER | | |
| Phone: (217) 753-8911 Fax | Project Name: | Project | it ger | | | | | Site | Site Location | = | | | L | | |
| Requested Due Date/TAT: 10 day | Project Number | Profile # | # | | | | | | STATE | 44 | 4 | | | | |
| | | | | | | Req | uested | Requested Analysis Filtered (Y/N) | s Filter | ed (Y/N | _ | | | | |
| Section D Valid Matrix Codes Required Client Information MATRIX COT Trensense Average DAV | CODE to left) | | Preservatives | atives | ↑N/A | | | | | | | | - | | |
| SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE WATER WATER | 문항 약 약 중 중 은 다 | AMPLE TEMP AT COLLECTION 1. OF CONTAINERS | ICI IVO ² I ⁵ 2O ⁴ Jubleserved | 4aOH Aa _S S ₂ O ₃ Aethanol Aher | Analysis Test 4 | C-267-204 | C-811-204 | C-842-503 | C-842-502 | C-HCK-S01-S05 C-CCO20KE-S01-S05 | C-20P-203-206 | | Sesidual Chlorine (Y/N) | Clas I / N - I ab I | 4 |
| 7707 | 6 70-0.1.24 114 | S | 4 | 1 | - | - | _ | - | - | - | - | T | L | Tool your | |
| R72S | 9 | 2 | × | | | | | - | | | - | | | | |
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| | | 1 | | | | 1 | 1 | - | 4 | - | _ | 1 | Į. | 0 | |
| | | | | | | | | enn # | - | 1 | orrection | Laciar | (n ed n) | | 1 |
| | | | | | | | 0 | bewed | emp (L | (Della) | 1 | Correct | cied Temp (Deg | bed cl | + |
| | | | | | | | | | - | | -4 | 0 | 900 | 0 | |
| | | | | | | | | Dell | ery we | emon. L | ed L | O V GIN | = | 2 | |
| | | | | | | | | | | | | | | | |
| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILLATION | DATE | TIME | ACCEPTED BY / AFFILIATION | ED BY / A | FFILIATION | N | | DATE | Ĺ | TIME | L | SAMPL | SAMPLE CONDITIONS | S |
| DC-24Q4 Rev 0 | Michael | 9 HENCIOI | 613 | 1 | | | Ш | 5 | | | 17.19 | | > | 3 | 2 |
| | SAMPLER NAME | ER NAME AND SIGNATURE | | 1 | 1 | | 1 | 1/01 | The L | | 1 | | 1 | > re | CI/C |
| | PRINT Nar | PRINT Name of SAMPLER: | Instin M. | 9010 | | | | | | | | O" ni e | (N/A) | tody Cool | stnt a |
| | | | 1 | 1 | | | | | I | | | lu | | pe | ıjd |

SAR-3: Plant Sampling and Analysis Request

Event: DC-24Q4

Date Generated: 09/16/2024

| Well | Unique ID | Date | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|-------|-----------|----------|------|--|----------------|----------|
| BA01C | DC_BA01!C | 10/14/24 | 1250 | 16.47 | | ASP |
| BA01L | DC_BA01!L | 10/14/24 | 1248 | 17.24 | | AM |
| G02BS | DC_G02*BS | 10/14/24 | 1444 | 18.21 | | 3D |
| G02D | DC_G02&D | 10/14/24 | 1445 | 24.54 | | JD |
| G02L | DC_G02!L | 10/14/24 | 1447 | 16.47 | | JD |
| G03L | DC_G03!L | 10/14/24 | 1451 | (ut.06 | | 30 |
| G03S | DC_G03#S | 10/4124 | 1452 | 13:71 | | Jo |
| G04L | DC_G04!L | 10/14/24 | 1443 | 16-70 | | JB |
| G04S | DC_G04#S | 10/14/24 | 1445 | 20.80 | | JB |
| G06L | DC_G06!L | 10/14/24 | 0936 | 22.96 | | JB |
| G06S | DC_G06#S | 10/14/24 | 0931 | 23.34 | Was not locked | JB |
| G07L | DG_G07!L | 10/14/24 | 0923 | 22.19 | | 28 |
| G08L | DC_G08!L | 10/14/24 | ONHU | 21.63 | | 28 |
| G09L | DC_G09!L | 10/14/24 | 0955 | 21.97 | | 2B |
| G09S | DC_G09#S | 10/14/24 | 0958 | 21-98 | | 2B |
| G12L | DC_G12!L | 10/14/24 | 1050 | 22-51 | | 23 |
| G12S | DC_G12#S | 0/14/24 | 1056 | 24.23 | | JB |
| G14L | DC_G14!L | 10/14/24 | 1038 | 25.89 | | JB |
| G15L | DC_G15!L | 10/14/24 | 1228 | 32.80 | | JB |
| G15S | DC_G15#S | 10/14/24 | 1220 | 33:15 | | IB |
| G16L | DC_G16!L | 10/14/24 | 1240 | 31.20 | | JB. |
| G50L | DC_G50!L | 10/14/24 | 1535 | 064 | | MAD |
| G51L | DC_G51!L | 10/14/24 | 1417 | 19:40 | | kmn |
| G52L | DC_G52!L | 10/14/24 | 1430 | 27.20 | | tom |
| G52S | DC_G52#S | 10/14/14 | 1428 | 31.58 | | KMD |
| G53L | DC_G53!L | 10/14/24 | 1330 | 14.75 | | kno |
| G53S | DC_G53#S | 10/14/24 | 1320 | 18-24 | | KMO |
| G54C | DC_G54!C | 10/14/24 | 1515 | 36.78 | | KMI |
| G55L | DC_G55!L | 10/14/24 | 1505 | 22.30 | | temp |
| G55S | DC_G55#S | 10/14/24 | 1504 | 22-24 | | KMI) |
| G56L | DC_G56!L | 10/14/24 | 1253 | 21.82 | | KINS |
| G56S | DC_G56#S | 10/14/24 | 1252 | 22.44 | | hm |
| G57L | DC_G57!L | 10/14/24 | 1246 | 24-32 | | KMO |
| G58L | DC_G58!L | 50/14/24 | 1237 | 27.65 | | 1cho |
| G58S | DC_G58#S | 10/14/24 | 1236 | 27.80 | | km |
| G59L | DC_G59!L | 10/14/24 | 1218 | 26-73 | | KNO |
| G59S | DC_G59#S | 10/14/24 | 1216 | 34.20 | | MMD |
| G61S | DC_G61#S | 10/14/24 | 1204 | 23. bit | | KIND |
| G62L | DC_G62!L | 10/14/24 | 1136 | 23.65 | | temp |

SAR-3: Plant Sampling and Analysis Request

Event: DC-24Q4

Date Generated: 09/16/2024

| Well | Unique ID | Date | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|--------|------------|----------|------|--|----------|----------|
| G63L | DC_G63!L | 10/14/24 | 1129 | 24.64 | | KID |
| G63S | DC_G63#S | 10/14/24 | 1132 | 25.60 | | RAN |
| G65L | DC_G65!L | 10/14/24 | 1102 | 20.92 | | WAD |
| G65S | DC_G65#S | 10/14/24 | 1101 | 21.22 | | (SHP |
| G66L | DC_G66!L | 10/14/24 | 1046 | 19.55 | | Kup |
| G66S | DC_G66#S | 10/14/24 | 1045 | 20.12 | | KMO |
| G67L | DC_G67!L | 10/14/24 | 1052 | 16.74 | | 140 |
| G67S | DC_G67#S | 114/1x | 1053 | 17.64 | | 1200 |
| G68L | DC_G68!L | 10/12/24 | 1447 | 15.58 | | KMB |
| G68S | DC_G68#S | 10/14/24 | 1446 | 160.68 | | KMD |
| G69L | DC_G69!L | 10/14/24 | 1437 | 17.87 | | mo |
| G69S | DC_G69#S | 10/14/24 | 1440 | 20. CeCe | | Lary |
| G70L | DC_G70!L | 10/14/24 | 1015 | 21.38 | | 1400 |
| G71L | DC_G71!L | 10/14/24 | 1020 | 26.80 | | Kalo |
| G71S | DC_G71#S | 10/14/24 | 1018 | 27.44 | | KIND |
| G72L | DC_G72!L | 10/14/24 | 1030 | 26.49 | | 240 |
| G73L | DC_G73!L | 10/14/24 | 1514 | 27.79 | | 20 |
| L103 | DC_L103 | 10/14/24 | 15/9 | 2.16 | | FAI |
| OM05S | DC_OM05#S | 10/14/24 | 1341 | 21.93 | | App |
| OM08 | DC_OM08 | 10/14/24 | 1254 | 13.88 | | JD |
| OM09 | DC_OM09 | 10/14/24 | 1056 | 4.56 | | 10 |
| OM10 | DC_OM10 | 10/14/24 | 1208 | 14_35 | | 50 |
| OM100D | DC_OM100&D | 10/14/24 | 1146 | 14.15 | | 20 |
| OM100S | DC_OM100#S | 10/14/24 | 1145 | 14.33 | | 20 |
| OM101D | DC_OM101&D | 10/14/24 | 1014 | 19-23 | | APP |
| OM101S | DC_OM101#S | 10/14/24 | 1013 | 18-59 | | APP |
| OM12D | DC_OM12&D | 10/14/24 | 1248 | 18.00 | | 27 |
| OM15 | DC_OM15 | 10/14/24 | 1139 | 22.63 | | JD |
| OM15D | DC_OM15&D | 10/14/24 | 1138 | 25.71 | | 50 |
| OM17D | DC_OM17&D | 10/14/24 | 1202 | 17-25 | | 50 |
| OM22S | DC_OM22#S | 10/14/24 | 1048 | 20:14 | | TD |
| OM23S | DC_OM23#S | 10/14/24 | 1031 | 42.76 | | 20 |
| OM25D | DC_OM25&D | 10/14/24 | 1021 | 58-62 | | TU |
| OM26 | DC_OM26 | 10/14/24 | 1/13 | 32.40 | | 10 |
| OM27 | DC_OM27 | 10/14/24 | 1107 | 33.57 | | ZD |
| OM28 | DC_OM28 | 10/14/24 | 1103 | 47.98 | | 20 |
| OR03S | DC_OR03#S | 10/nx/24 | 1320 | 45.89 | | 50 |
| OR05D | DC_OR05&D | 10/14/24 | 1339 | 23.10 | | APP |
| OR14S | DC_OR14#S | 10/14/24 | 1343 | 8.56 | | 20 |

SAR-3: Plant Sampling and Analysis Request

Event: DC-24Q4

Date Generated: 09/16/2024

| Well | Unique ID | Date | Time | Measured Depth to Water (ft | Comments | Initials | |
|-------|------------|------------|------|--------------------------------|---------------|----------|--|
| OR18 | DC OP19 | 10 11 1-11 | | bmp) | | | |
| | DC_OR18 | 10/14/24 | | 19-39 | | 10 | |
| P01I | DC_P01\$I | 10/14/24 | 1520 | 16.41 | | JB JB | |
| PO1L | DC_P01!L | 10/14/24 | 1524 | 17.09 | | | |
| P01S | DC_P01#S | 10/14/24 | 1522 | 16.74 | | 133 | |
| P02S | DC_P02#S | 10/14/24 | 1444 | 18-21 | same as 602Bs | JD | |
| P04S | DC_P04#S | 10/14/24 | 1445 | 20-80 | Same as 6045 | JB | |
| P05D | DC_P05&D | 10/14/24 | 1430 | 7.63 | | JB | |
| P05L | DC_P05!L | 10/14/24 | 1432 | 7.45 | | JB | |
| P05S | DC_P05#S | 10/14/24 | 1428 | 7-35 | | JB | |
| P36D | DC_P36&D | 10/14/24 | 1207 | 12-74 | | JB | |
| P36L | DC_P36!L | 10/14/24 | 1206 | 12.45 | | JB | |
| P36S | DC_P36#S | 10/14/24 | 120H | 12-57 | | TB | |
| P37D | DC_P37&D | 10/14/24 | 1108 | 16.71 | | JB | |
| P37L | DC_P37!L | 10/14/24 | 1115 | Dry | Top of pump | JB | |
| P38L | DC_P38!L | 10/14/24 | 1215 | 19.49 | , , , | 3B | |
| P38S | DC_P38#S | 10/14/24 | 1217 | 19.64 | | JR | |
| P39D | DC_P39&D | 10/14/24 | 1339 | 14.85 | | JB | |
| P39L | DC_P39!L | 10/14/24 | 1341 | 9.13 | | JB | |
| P39S | DC_P39#S | 10/14/24 | 1338 | 9.45 | | 5B | |
| P40L | DC_P40!L | 10/14/24 | 1405 | 17.14 | | 3B | |
| P40S | DC_P40#S | 10/14/24 | 1403 | 16.30 | | JB | |
| P41D | DC P41&D | 10/14/24 | 1454 | 35.68 | | ARP | |
| P41I1 | DC_P41\$I1 | 10/14/24 | 1453 | 13.58 | | 200 | |
| P41I2 | DC_P41%I2 | 10/14/24 | 1451 | 35.90 | | 120 | |
| P41L | DC P41!L | 10/14/24 | 1457 | 11.67 | | 1000 | |
| P41S | DC P41#S | 10/14/24 | 1456 | 13.29 | | Ban | |
| P42D | DC P42&D | 10/14/24 | 1457 | 24.14 | | 11/2 | |
| P4211 | DC_P42\$I1 | 10/14/24 | | 11.56 | | 180 | |
| P42I2 | DC_P42%I2 | 10/14/24 | 1458 | 33.42 | | 1860 | |
| P42L | DC_P42!L | 10/14/24 | | 10.65 | | Vie | |
| P42S | DC_P42#S | 10/14/24 | | 11.14 | | KNO | |
| P52 | DC_P52 | 10/11/2K | | 17.81 | | ID | |
| P57L | DC_P57!L | 10/14/24 | | 18.71 | | 20 | |
| 257S | DC_P57#S | 10/14/24 | | 18-39 | | 20 | |
| 260 | DC P60 | 10/14/24 | | 25.60 | | Luci | |
| 261 | DC_P61 | | _ | 16.74 | | 11/0 | |
| 262 | DC_P62 | 10/14/24 | | | | 1190 | |
| P63 | DC_P63 | | | 14.62 | | 100 | |
| P64 | DC_P63 | 10/14/24 | | 15.85 17.60 | | 140 | |

SAR-3: Plant Sampling and Analysis Request

Event: DC-24Q4

Date Generated: 09/16/2024

| Well | Unique ID | Date | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|------|------------------|----------|------|--|---|----------|
| R10L | DC_R10!L | 10/14/24 | 1005 | 23.02 | Notmarked | 90 |
| R11L | DC_R11!L | 10/14/24 | 1009 | 32.24 | 111111111111111111111111111111111111111 | 53 |
| R13L | DC_R13!L | 10/14/24 | 1022 | 23.17 | | JB |
| R61L | DC_R61!L | 10/14/24 | 1202 | 22-017 | | KMD |
| R72S | DC_R72#S | 10/14/24 | 1027 | 26.66 | | 50 |
| T43L | DC_T43!L | 10/14/24 | 1127 | 8.09 | | JB |
| T44L | DC_T44!L | 10/14/24 | 1132 | 12.24 | | JB |
| T45L | DC_T45!L | 10/14/24 | 1152 | 11.23 | | JB |
| T46L | DC_T46!L | 10/14/24 | 1158 | 8.36 | | JB |
| X301 | DC_X301_leachate | 10/14/24 | 1530 | HS | | App |

APPENDIX A.
ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204

SAR-4: Plant Sampling and Analysis Request

Event: DC-24Q4
Date Generated: 09/16/2024
All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.

| slaitinl | ARO | 000 | Apo | 1300 | 9.50 | AOA | 400 | A120 | 22 | 1500 | KAI | KMD | KAN | (cm) | (K/M) | KAN | KAND | KMD | 17 | 30 | AR | S | Sh | (1 | 30 | 0 1 | 35 | 0 1 | 40 |
|--|----------|-----------|-----------|----------|--------------------------|----------|----------|-----------|----------|----------|----------|----------|-----------|----------|------------|----------|----------|----------|----------|-----------|----------|-----------|-----------|----------|----------|-----------|-----------|-----------|-----------|
| Comments | | | | | (Pinced Butter Continue | | | | | | | | | | | | | | | | | | | | | | | | |
| Batt (H/M/L/R) | W | 7 | Z | m | 8 | 5 | Z | × | I | I | エ | T | 7 | I | H | H | I | 100 | 14 | £ | I | H | H | 7 | 7 | I | T. | Ħ | ± |
| Sata downloaded? | 30% | San | 165 | 501 | No | Ves | 100 | 1/05 | Ses | 100 | 10C | 25 | NPC | 3 | 200 | 571, | Ses | Ves | SM, | Nes | Yes | Vec | MC | Mrc | 2/2 | 20% | 200 | 4 |) Act |
| WL Reading on Transducer (ft) | 570-4207 | 567.5209 | 967 6332 | 566 1695 | 0 0017 | 570.0896 | 573.5125 | S 72.057H | 6203.60 | 604.8652 | SAR 6650 | 598.1588 | 2012.5105 | 4955-865 | 596.5620 | 584.3862 | 848 HTU | 598.0279 | 582.8997 | 886.5418 | 100 | 1989.815 | 581. 4107 | 576.00.5 | 594.2770 | 574.22M7 | 574,5273 | 1287 | 570. 5434 |
| Does Data Logger Serial No Match? | 500 | yes | 520 | 100 | Sec | Say | Vec | 701 | Ves | Ves | 20% | res | 50% | 100 | 506 | 534 | 301 | Les | SOR | 185 | 501 | Ves | NCS. | Ves | 105 | 165 | Ves | bes | res |
| Serial Number | 21615533 | 21615636 | 21615682 | 21615637 | 21615687 | 21615631 | 21615540 | 21615525 | 21615554 | 21615535 | 21615691 | 21615690 | 21615684 | 21615683 | 21615678 | 21615677 | 21615688 | 21615632 | 21615685 | 21615542 | 21921676 | 21926670 | 21615539 | 21615693 | 21615593 | 21615592 | 21615591 | 21615522 | 21615681 |
| Measured Depth to Water (ft bmp) | 17.05 | 9900 | 12.42 | 12-50 | 25.7 | 8.33 | 22.42 | 23.45 | 14.06 | 18.89 | 8.83 | 25.8H | 24,72 | 24.02 | 17.72 | 28 Sit | 23.86 | 25.06 | 12-38 | 20.20 | 12-43 | 17.07 | 27.62 | 14.8a | 12:13 | 19.88 | 38.74 | 5.83 | 58.63 |
| Time | 1245 | 1301 | 1257 | 4501 | 1211 | OHO | (237 | 1229 | 1442 | 1533 | 1419 | 1003 | 700 | 1245 | 1308 | 1306 | 1320 | (322 | 1307 | 1320 | 13001 | 1359 | 1155 | 120 | 1335 | 1046 | 1020 | 101 | 1018 |
| Date | 10/14/2K | 10 MH 124 | 10/14/24 | 10/14/24 | 10/14/24 | 10/14/24 | 10/14/24 | 10/14/24 | 10/14/24 | 10/14/24 | 10/14/2W | 10/14/24 | 10/14/24 | 10/14/24 | 10 / 14/2H | 10/14/24 | 10/14/24 | 10/11/24 | 10/14/24 | fortified | 10/14/24 | 10/111/24 | 10/14/24 | OTIMIZE | for the | 10/14/24 | 10/11/21 | 10,14/24 | 10/4/24 |
| Unique ID | DC_BA01 | DC_BA02 | DC_BA02!L | DC_BA03 | DC_BA03!L | DC_BA04 | DC_BA05# | DC_BA06 | DC_G02#S | DC_G50#S | DC_G51#S | DC_654!L | DC_G54#S | DC_G57#S | DC_G60!L | DC_G60#S | DC_G64!L | DC_G64#S | DC_OM01 | DC_OM04#S | DC_OM07 | DC_OM12 | DC_OM16 | DC_OM17 | DC_OM21 | DC_OM22&D | DC_OM23&D | DC_OM24&D | DC_OM25#S |
| Well | BA01 | BA02 | BA02L | BA03 | BA03L | BA04 | BA05 | BA06 | G02S | G50S | G51S | G54L | G54S | G57S | 7095 | G60S | G64L | G64S | OM01 | OM04S | OM07 | OM12 | OM16 | OM17 | OM21 | OM22D | OM23D | OM24D | OM25S |

APPENDIX A.
ANNUAL GRONUDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK, LANDFILL DC-257-204

SAR-4: Plant Sampling and Analysis Request Event: DC-24Q4

Date Generated: 09/16/2024 All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.

| slaitinl | 20 | 30 | d'h | Alle | Cl. | Ale | 400 | E | 35 | 10 | por |
|--|----------|-----------|---------------|--------------|---------------|-----------|-----------|-----------|----------------|---------------|---------------|
| Comments | | | | | | | | | | | |
| Batt (H/M/L/R) | 工 | H | ¥ | N | W | W | T | Z | I | H | 1 |
| Spabsolnwob stsQ | Ses | Sah | 44 | Nes | 165 | 105 | Jel | SIM | 335 | 22% | 52 |
| WL Reading on Transducer (ft) | 543.0969 | 582.5450 | S85.8407 | 580.3470 | 564.1113 | 587, 9433 | 1208.185 | 587,1992 | 574.5343 | 965,2091 | Į |
| Does Data Logger Serial No Match? | 220 | 724 | 75% | Sol | 165 | 501 | SOR | 165 | SPh, | son, | 765 |
| Serial Number | 21615679 | 21615577 | 21615570 | 21615692 | 21615686 | 21564135 | 21615676 | 21615611 | 21615634 | 21615610 | 21628685 |
| Measured Depth to Water (ft bmp) | 8.24 | 45.37 | 21.8H | 15.09 | 32.20 | 14.60 | [4-72 | 11.018 | 23.98 | 22-34 | f |
| Time | 1313 | 318 | 1328 | 1314 | 1232 | IMIM | נעוצ | 1340 | 九山村 | 1226 | 0430 |
| Date | 10/14/24 | 10/14/24 | 10/14/24 1328 | 16/W/24 1314 | 10/14/24 1232 | 10/11/124 | 10/14/24 | 10/14/24 | 10/14/24 12.44 | 10/14/24 1226 | 10/14/24 0930 |
| Unique ID | DC_OR02 | DC_OR03&D | DC_OR04&D | DC_OR06!A | DC_OR11 | DC_OR13&D | DC_OR13#S | DC_OR14&D | DC_OR19 | DC_OR20 | DC_RG01 |
| Well | OR02 | OR03D | OR04D | OR06A | OR11 | OR13D | OR13S | OR14D | OR19 | OR20 | RG01 |

APPENDIX A.
ANNUAL GRONUDWATER MONITORING AND **DROKE CTION** REPORT DUCK CREEK, LANDFILL

| WELL/SAM | C-257-204 PLE POINT | G(|)6S | | Purge ! | Method: | Comp | ressor | |
|----------------|---------------------------------|--------------|--------------|------------|-----------|-----------------------------|---------------------------|--------------|------|
| Date: | 10/23 | 124 | Start Time: | 121 | 2 | Last Quarter: Finish/Sa | Dedicated B ample Time | 10 0 X | > |
| Well Depth | (Bottom) Fro | om MP: | 44.69 | ft | | Min. Purge \ | /olume: | 1000 | mL |
| Depth to Wa | ater From M | P: | 23,48 | ft | | Total Purge | Volume: | 1500 | mL |
| Water Colu | | | 21.21 | | | 3 | | | |
| Well Water | Volume: | | 12.85 | L | | Total Drawd | own: | 0.00 | ft |
| Reading | Time | Depth | Flow Rate | рН | Spec Cond | Temp | ORP | DO | Turb |
| (Units) | | ft. | mL/min | s.u. | umhos/cm | deg C | mV | mg/L | NTU |
| 1 | 1981 | 23.48 | 250 | 6.48 | 861 | 13.4/ | 65 | 189 | 648 |
| 2 | 1993 | 23.48 | 250 | 6.45 | 865 | 13.42 | 70 | 1.87 | 63.2 |
| 3 | 1225 | 23.48 | 250 | 6,93 | 869 | 13,43 | 75 | 1.82 | 38.7 |
| 4 | - | | | | | | | | |
| 5 | _ | | | | | | | | |
| Stabilization | NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |
| Field Meter: | | Horib | ~ | | 100 | Mall Intervi | 4 | l V., I | N. |
| rielu ivietei. | | 110110 | И | | - | Well Integri Well has ID | | Yes | No |
| Sample App | earance. | | | | | Casing locke | | X | |
| | | a Olivelat | | 01 | | | | X | |
| | | | | Strong | 4/1 3 | Well cap fits | | - | |
| | | | | Strong | 6 1 | Good seal/d | rainage | × | |
| Turb: | None | Slight | Mod □ S | Strong | | Well has we | ep holes | > | |
| BOTTLE IN | FORMATIO | N: | | | | | | | |
| | Unfi | Itered | | | | Filte | red | | |
| Qty | Bottles | | | | Qty | Bottles | | | |
| | VOAs (C,V, 4 | | | | | Metals (P,250 | | | |
| | VOAS (C,V, | | | | | Ammonia (P,2 | | 4) | |
| - | Organics (A, | | | 11 | | General (P,50 | | | |
| | Organics (A,0 TOC (A,V 40) | | | 111 | | General (P,10 | | | |
| | | 0mL, H2SO4) | | | | TOC (A,V 40n | IL, N2304) | | |
| | Metals (P,250 | | | | | | | | |
| | | 250mL, NaOH) | | | | | | | |
| | | 250mL, H2S04 | | | | | | | |
| | General (P,50 | | | | | | | | |
| | General (P,10 | 000mL) | | | | | | | |
| | Rad (P, 2.5L, | HNO3) | | | | | 23, | 10 | |
| Comments | Check pH i | f readings a | re below 6.5 | or above 7 | | DTW: | · d J, | 7 0 ft | |
| | | | | | 117 | ; | | | |
| | | | Sampler's Si | gnature: | Mol | ranna | 3 | | |

APPENDIX A.
ANNUAL GRONUDWATER MONITORING AND PORRECTIVE & CTION REPORT DUCK CREEK, LANDFILL DC-257-204

| WELL/SAM | IPLE POINT | G1 | 28 | | Purge I | | | led Bler | Her |
|---------------|---------------|------------------------------|---------------|-----------|-----------|----------------------------|--------------|--------------|------|
| Date: | 10/16 | 12024 | Start Time: | 1202 | | Last Quarter: Finish/S | | | - |
| Well Depth | (Bottom) Fro | om MP: | | ft | | Min. Purge | Volume: | 1000 | mL |
| Depth to W | ater From M | P: | 24.35 | ft | | Total Purge | Volume: | 1600 | mL |
| Water Colu | mn Length: | | | ft | | | | | |
| Well Water | Volume: | | | L | | Total Drawd | own: | 0.98 | ft |
| Reading | Time | Depth | Flow Rate | рН | Spec Cond | Temp | ORP | DO | Turb |
| (Units) | | ft. | mL/min | s.u. | umhos/cm | deg C | mV | mg/L | NTU |
| 1 | 1212 | 25.33 | 200 | 7.33 | 675 | 13.94 | -133 | 2.38 | 32.3 |
| 2 | 1214 | 25.33 | 200 | 7.34 | 675 | 13.01 | - 137 | 2-37 | 25.3 |
| 3 | 1216 | 25.33 | 20c | 7.35 | 673 | 13.91 | -140 | 2-29 | 23.0 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| Stabilization | NA NA | NA | NA | ± 0.2 | ± 3% | ± 0.2 | ± 20 | ± 10% or 0.2 | NA |
| Field Meter | | He | yri6m | 1 ook | Lon | Well Integri | | Yes | No |
| Sample Ap | noaranco. | | | HIMM | a il | Well has ID Casing lock | | 7 | |
| | | - 01: 1. | | | | | | 1 | |
| Odor: | None □ | ☐ Slight □ | Mod. □ | Strong | | Well cap fits | securely. | 1 | |
| Color [| None 🖹 | ∄ Slight □ | Mod. □ | Strong | | Good seal/d | rainage | 1 | |
| Turb: | ∃None 🖄 | i Slight □ | Mod □ | Strong | | Well has we | ep holes | 1 | 1 |
| BOTTLE IN | IFORMATIO | N: | | | | | | | |
| | | Itered | | | | Filte | ered | | |
| Qty | Bottles | | | | Qty | Bottles | | | |
| | VOAs (C,V, 4 | 40mL, HCL) | | | | Metals (P,250 | mL, HNO3) | | |
| | VOAS (C,V, | 40mL) | | | | Ammonia (P, | 250mL, H2S0- | 4) | |
| | Organics (A,0 | G,U 1000mL) | | | | General (P,50 | l0mL) | | |
| | Organics (A,0 | | | | | General (P,10 | | | |
| | TOC (A,V 40 | | | | | TOC (A,V 40r | nL, H2SO4) | | |
| | | 0mL, H2SO4) | | | | | | | |
| | Metals (P,250 | | | | | | | 4 | |
| | | 250mL, NaOH) 250mL, H2S04 | | | | | | | |
| | General (P,50 | | *) | | | | | | |
| | General (P,10 | | | | | | | | |
| | Rad (P, 2.5L, | • | | | | | | | |
| | Check pH | if readings a | are above 7.2 | | Final | DTW: Reas | 25.3 | 3 ft | |
| -1 | | | - | | | | 21 | | 1 |
| | | | Sampler's Si | ignature: | 0 | 1 | 111 | | |
| | | | | | | // | | | |

| | Mult | ipar | ameter I | Meter | Field Co | dibration | Checklis | t· | |
|--------------------------------------|------------------|---------|--------------|-----------|--------------|---|--------------|------------|-----------|
| Field Personnel: | Austin | M | once | | Location: | Duck 11e | ek | | |
| Weather: | - 0 - 0 | noth su | | oh N | Environment: | 2 | | | |
| Multiparamete | r Water Meter | Make: | Horiba | Model: | V-5000 | Serial Number: | 3185N | NNF | |
| Water Lev | el Meter | Make: | WT | Model: | Hesson | Serial Number: | 19-F | 22021 | 3 /ML |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 3,81 | s.u. | ±0.1 s.u. | F | <i>y</i> , | 4,00 | MSI | 023219-02 | 8/9/2025 |
| pH 7.00a | 6.82 | s.u. | ±0.1 s.u. | F | 1 | 7.00 | MSI | 023334-01 | 12/7/2025 |
| pH 10.00a | 1018 | s.u. | ±0.1 s.u. | F | Y | 10,00 | MSI | 024037-01 | 2/21/2026 |
| SC Zero (DI) | 353 | μS/cm | 0<25 μS/cm | 1 | y | 2/ | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2000 | μS/cm | ±5% | | N | _ | Proactive | 3GJ1438 | Oct-24 |
| ORP | 240 | mV | ±15 mV | P | N | | Reagents | 8406644 | Apr-25 |
| DO (Zero pt) | 0,0 | mg/L | ±0.1 | P | N | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 98,3 | % | 97-100% | P | N | - Special Control of the Control of | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 1,3 | NTU | <2 NTU | P | N | _ | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 h | (Initial Calibr | | arification) | 1 | Time | 1917 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Time: | Taken? | Manufacturer | Lot# | Ехр. |
| pH 4.00b | 3,88 | s.u. | ±0.15 s.u. | P | N | y runcin | Proactive | 3GE1074 | May-25 |
| pH 7.00b | 6.94 | s.u. | ±0.15 s.u. | P | 1 | / | Proactive | 3GE1252 | May-25 |
| pH 10.00b | 9,94 | s.u. | ±0.15 s.u. | P | N. | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 960 | μS/cm | ±5% | P | N | | Spectrum | 2NA0024 | Dec-25 |
| Approx. every 8 hi | | | | | | 100 | | | |
| CCV (Continue | | | | | Time: | 1671 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| pH 4.00a | 3,97 | s.u. | ±0.1 s.u. | P | N | | MSI | 023219-02 | 8/9/2025 |
| pH 7.00a | 6,95 | s.u. | ±0.1 s.u. | | _ | | MSI | 023334-01 | 12/7/2025 |
| pH 10.00a | 10.03 | s.u. | ±0.1 s.u. | | | ~ | MSI | 024037-01 | 2/21/2026 |
| SC 1000 | 170 | μS/cm | ±5% | + | 4 | | Spectrum | 2NA0024 | Dec-25 |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) Approx. every 8 hr | U.S | NTU | <2 NTU | 1 | + | _ | Pace Labs | N/A (DI) | N/A (DI) |
| Comments: | s, armess omy on | e well | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | 21 | | | | | | , | | 223 |
| Signature: | aug | 1 | 3 | | Date: | 15-Oct- | 24 | ņ | |

| Field Personnel: | 20 | | | | Location: | Duck Crack | | | |
|-------------------------------|---------------------------------------|---------|--------------|-----------|---------------------|-------------------------|---------------------|-------------------|------------------|
| Weather: | | P- Sam | want NR | 1-25mh | Environment: | | | | |
| Multiparamete | | Make: | An watell | Model: | 600 | Serial Number: | 762215 | | |
| Water Lev | el Meter | Make: | | Model: | Dipper-T | Serial Number: | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | | Lot# | Exp. |
| pH 4.00a | 4.04 | s.u. | ±0.1 s.u. | P | N, | NA | MSI | 023219-02 | 8/9/2025 |
| pH 7.00a | 7.05 | s.u. | ±0.1 s.u. | 1 | | | MSI | 023334-01 | 12/7/2025 |
| pH 10.00a | 10.01 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| SC Zero (DI) | 6,19 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2011.0 | μS/cm | ±5% | | | | Proactive | 3GJ1438 | Oct-24 |
| ORP | 250,2 | mV | ±15 mV | | | | Reagents | 8406644 | Apr-25 |
| DO (Zero pt) | 0.09 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 97.21 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0,06 | NTU | <2 NTU | T | L | Pace Labs | | N/A (DI) | N/A (DI) |
| Approx. every 8 hr | rs, unless only or (Initial Calibr | | erification) | | Time: | 0924 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | 4.08 | s.u. | ±0.15 s.u. | P | | MA | | 3GE1074 | May-25 |
| pH 7.00b | 6,90 | s.u. | ±0.15 s.u. | 1 | | | Proactive | 3GE1252 | May-25 |
| pH 10.00b | 10 08 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 1037.8 | μS/cm | ±5% | 1 | | _ | Spectrum | 2NA0024 | Dec-25 |
| Approx. every 8 hr | | | | | | 1.00 | 1 | | |
| CCV (Continue Buffer | Check Value | Units | Range | Pass/Fail | Time: Calibrate? | 553 Adjusted Reading | Manufacture | 1 - 44 | - |
| рн 4.00a | 4.06 | S.U. | ±0.1 s.u. | Passyran | N ₆ | N4 | Manufacturer MSI | Lot# 023219-02 | Exp. 8/9/2025 |
| э Н 7.00 а | 7.08 | s.u. | ±0.1 s.u. | 1 | 1 | | MSI | 023334-01 | 12/7/2025 |
| oH 10.00a | 40,03 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| SC 1000 | 1042,8 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 0,07 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Furbidity (DI) | 0,00 | NTU | <2 NTU | 7 | 1 | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 8 hr omments: | s, unless only or | ne well | | | | | | | |
| Signature: | 1/ | | 9/m/ | | Date: | 16/15/24 | | | |

| Field Personnel: | KALET | 3 12 | ESKE | | Location; | DUCK | OPE. | EK. | |
|---------------------------------|-----------------------|---------------|--------------------|-----------|---------------|------------------|------------------------|-------------------|------------------|
| Weather: | 42°S0 | ひわな | Donari K | <u>'</u> | Environment: | GRASSY | | | |
| Multiparamete | r Water Meter | Make: | HORELDA | Model: | U-5000 | Serial Number: | AGJT | K4X | G |
| Water Lev | vel Meter | Make | BOLINST | Model: | WT | Serial Number: | 3345 | 59 | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 5.78 | s.u. | ±0.1 s.u. | FAIL | U S | 4.00 | MSI | 023219-02 | 8/9/2025 |
| рН 7.00а | 7.ce | s.u. | ±0.1 s.u. | PASS | 20 | NA | MSI | 023334-01 | 12/7/202 |
| рН 10 .00а | 9.98 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/202 |
| SC Zero (DI) | 12 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2000 | μS/cm | ±5% | | | | Proactive | 3GJ1438 | Oct-24 |
| ORP | 231 | mV | ±15 mV | | | | Reagents | 8406644 | Apr-25 |
| OO (Zero pt) | 0.00 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/202 |
| DO (Saturated) | 99 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 00 | NTU | <2 NTU | 4 | | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 h | (Initial Calibration) | | orification) | | 77 | ancin | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Time: | 0947 | Manufactures | 1 1044 | - |
| oH 4.00b | 3.98 | s.u. | ±0.15 s.u. | 9ASS | Action Taken? | | Manufacturer Proactive | 3GE1074 | Exp. May-25 |
| он 7.00ь | 6.99 | s.u. | ±0.15 s.u. | | | | Proactive | 3GE1252 | May-25 |
| oH 10.00b | 10.00 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 998 | μS/cm | ±5% | - | - | | Spectrum | 2NA0024 | Dec-25 |
| Approx. every 8 hr | | | | | | | | | |
| CCV (Continue | | | | la 15 11 | Time: | 1517 | | | |
| Buffer oH 4.00a | Check Value | Units s.u. | Range ±0.1 s.u. | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer MSI | Lot# 023219-02 | Exp. 8/9/2025 |
| oH 7.00a | 7.00 | s.u. | ±0.1 s.u. | 7028 | | 1 | MSI | 023334-01 | 12/7/2025 |
| | 9.98 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2020 |
| C 1000 | 1000 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 0.0 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/202 |
| urbidity (DI) | 1.0 | NTU | <2 NTU | - | - 1 | | Pace Labs | N/A (DI) | N/A (DI) |
| | s, unless only on | e well | | | | | | | |
| Approx. every 8 hr Comments: | s, unless only one | | | | | | | | |

| Field Personne | : Apyon | Rem | Gelton | | Location: | D14 C | reck | | |
|-------------------|--|--------|------------|-----------|---------------------|----------------------------|--------------|------------|------------------|
| Weather | : WW - 600 | WIND | Smit Ni | J | Environment: | grass | dust | | |
| Multiparamet | er Water Meter | | Horion | Model: | U Soco | Serial Number: | | NNNF | - |
| Water Le | evel Meter | Make: | Heren | Model: | Digera | Serial Number: | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| рН 4.00а | 11.02 | s.u. | ±0.1 s.u. | P | 1/25 | 0.0 | MSI | 023219-02 | 8/9/2025 |
| pH 7.00a | 6.97 | s.u. | ±0.1 s.u. | 8 | NO | _ | MSI | 023334-01 | 12/7/2025 |
| pH 10.00a | 9-99 | s.u. | ±0.1 s.u. | P | NC | 1 | MSI | 024037-01 | 2/21/2026 |
| SC Zero (DI) | 20 | μS/cm | 0<25 μS/cm | 8 | NO | - | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2080 | μS/cm | ±5% | 9 | No | - | Proactive | 3GJ1438 | Oct-24 |
| ORP | 230 | mV | ±15 mV | P | NO | Later | Reagents | 8406644 | Apr-25 |
| DO (Zero pt) | 0.08 | mg/L | ±0.1 | P | NO | _ | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 73.2 | % | 97-100% | 0 | yes | 100 - 0 | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 41.0 | NTU | <2 NTU | 6 | V05 | 0.0 | Pace Labs | N/A (DI) | N/A (DI) |
| | ors, unless only or | | | | | 4 | 242 @ | 15°C | |
| | ICV (Initial Calibration Verification) | | 1 | Time: | OASH | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Actio | n Taken? | Manufacturer | Lot# | Ехр. |
| pH 4.00b | 10.4 | s.u. | ±0.15 s.u. | 10 | | | Proactive | 3GE1074 | Мау-25 |
| pH 7.00b | 6,84 | s.u. | ±0.15 s.u. | +4' | | | Proactive | 3GE1252 | May-25 |
| pH 10.00b | 10,04 | s.u. | ±0.15 s.u. | 1 | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 958 | μS/cm | ±5% | L. | ب د | / | Spectrum | 2NA0024 | Dec-25 |
| | ed Calibration | | ation). | | 71 | 26-4 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Time: Calibrate? | 7 52 4 Adjusted Reading | Manufacturer | Lot# | Even |
| oH 4.00a | 4.04 | s.u. | ±0.1 s.u. | P | NO | | MSI | 023219-02 | Exp. 8/9/2025 |
| oH 7.00a | 7.04 | s.u. | ±0.1 s.u. | P | No | - | MSI | 023334-01 | 12/7/2025 |
| эн 10.00а | 10.09 | s.u. | ±0.1 s.u. | P | No | _ | MSI | 024037-01 | 2/21/2026 |
| SC 1000 | 964 | μS/cm | ±5% | 1 | No | | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 0.09 | mg/L | ±0.1 mg/L | 1 | No | - | Macron | #000228049 | 8/26/2025 |
| Furbidity (DI) | 0.0 | NTU | <2 NTU | P | No | | Pace Labs | N/A (DI) | N/A (DI) |
| | rs, unless only or | e well | | | | | | | |
| Approx. every 8 h | irs, unless only or | e well | | | | | | | |

| Field Personnel: | 20 | | | | Location: | Duck Cree | k | | |
|-------------------------|--------------------------------|---------------|--------------------|-----------|---------------------------|------------------|---------------------|-------------------|------------------|
| Weather: | 48-63-1 | m. Sie | ny wand NW | 7-12-0 | Environment: | grass, would | , | | |
| Multiparamete | | Make: | Aquatall | Model: | | | 762215 | | |
| Water Lev | el Meter | | Heren | Model: | | | 11FF226 | <i>(42)</i> | |
| Buffer | Check Value | _ | | Pass/Fail | 13. 6 1.62. | | | T | 1 |
| pH 4.00a | 4,14 | Units s.u. | Range ±0.1 s.u. | F | y | Adjusted Reading | Manufacturer MSI | Lot# 023219-02 | Exp. 8/9/2025 |
| pH 7.00a | 6.95 | s.u. | ±0.1 s.u. | P | N | NA | MSI | 023334-01 | 12/7/2029 |
| pH 10.00a | 9.93 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| SC Zero (DI) | 6.17 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2060,7 | μS/cm | ±5% | | | | Proactive | 3GJ1438 | Oct-24 |
| ORP | 242,2 | mV | ±15 mV | | | | Reagents | 8406644 | Apr-25 |
| DO (Zero pt) | 6,09 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 98.21 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0,00 | NTU | <2 NTU | 1 | ٢ | T | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 hr | | | :f:+:\ | - | | 4420 | | | |
| Buffer | (Initial Calibr Check Value | Units | Range | Pass/Fail | Time: 0938 Action Taken? | | Manufacturer | Lot# | Eun |
| oH 4.00b | 3,74 | s.u. | ±0.15 s.u. | P | <i>∧</i> | | Proactive | 3GE1074 | Exp. May-25 |
| oH 7.00b | 6,85 | s.u. | ±0.15 s.u. | 1 | 1 | | Proactive | 3GE1252 | May-25 |
| oH 10.00b | 999 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 1038,2 | μS/cm | ±5% | 1 | | - | Spectrum | 2NA0024 | Dec-25 |
| Approx. every 8 hr | | | | | | | | | |
| CCV (Continue Buffer | | | | D/E-11 | Time: | 1538 | M | | |
| рн 4.00a | Check Value | Units s.u. | t0.1 s.u. | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer MSI | Lot# 023219-02 | Exp. 8/9/2025 |
| oH 7.00a | 7,01 | s.u. | ±0.1 s.u. | İ | 1 | 1 | MSI | 023334-01 | 12/7/2025 |
| oH 10.00a | 9,99 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| SC 1000 | 1044.4 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 0.08 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Furbidity (DI) | 0,00 | NTU | <2 NTU | 1 | 7 | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 8 hr | s, unless only or | e well | | | | | | | |
| Comments: | | | | | | | | | |

| | Mult | tipar | ameter I | <i>Meter</i> | Field Co | alibration | Checklis | t | |
|--------------------------------------|-------------------|---------------|--------------|--------------|--------------|------------------|--------------|------------|-----------|
| Field Personnel: | MACES | DE | SKE | | Location: | DUCKY | CREEK | | |
| Weather: | 4008 | บทบบ | DANK! | (1) | Environment: | GRASSA | | | |
| Multiparamete | | Make: | HURIBA | Model: | | Serial Number: | 100- | TKYX | G |
| Water Lev | vel Meter | Make: | DOLINST | Model: | WT | Serial Number: | 3345 | 59 | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 6.58 | s.u. | ±0.1 s.u. | FAIL | U63 | 4.00 | MSI | 023219-02 | 8/9/2025 |
| рН 7.00а | 7.55 | s.u. | ±0.1 s.u. | File | YES. | 7.00 | MSI | 023334-01 | 12/7/2025 |
| рН 10.00а | 8.20 | s.u. | ±0.1 s.u. | FAIL | YES | 10.00 | MSI | 024037-01 | 2/21/2026 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | 7135 | MO | MA | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2020 | μS/cm | ±5% | | 1 | | Proactive | 3GJ1438 | Oct-24 |
| ORP | 253 | mV | ±15 mV | | | | Reagents | 8406644 | Apr-25 |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 | 11 | 1 | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 98 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) Approx. every 8 hr | a, unless only on | NTU e well | <2 NTU | + | | | Pace Labs | N/A (DI) | N/A (DI) |
| ICV | (Initial Calibr | ation V | erification) | | Time: | 7)924 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | 4.01 | s.u. | ±0.15 s.u. | 639 | ald | | Proactive | 3GE1074 | May-25 |
| pH 7.00b | 7.03 | s.u. | ±0.15 s.u. | 1 | | | Proactive | 3GE1252 | May-25 |
| pH 10.00b | 9.99 | s.u. | ±0.15 s.u. | 1 | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 Approx. every 8 hr | 1600 | μS/cm | ±5% | FAIL | 1000 | 2 | Spectrum | 2NA0024 | Dec-25 |
| CCV (Continue | | | stion). | 1 | Time: | 1508 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| рН 4.00а | 4.01 | s.u. | ±0.1 s.u. | Resis | no | och | MSI | 023219-02 | 8/9/2025 |
| pH 7.00a | 1.00 | s.u. | ±0.1 s.u. | | | | MSI | 023334-01 | 12/7/2025 |
| pH 10.00a | 10.00 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| SC 1000 | 1000 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) Approx. every 8 hr | 1.00 | NTU | <2 NTU | 1 | | | Pace Labs | N/A (DI) | N/A (DI) |
| Comments: | s, unless only on | e weii | | | | | | | |
| outinends. | | | ->- | | | , | 4 | | |
| Signature: | 1 | | N | | Date: | 10/16 | 64 | | |
| - | | | | | | 11 | | | 7 |

| | | | | | | dibration | | | |
|-------------------------------------|--|--------|---------------------------|-----------|---------------------|--------------------------|----------------|-------------------|-----------|
| Field Personnel: | Horan | sei | morrish | | Location: | Duck | Cres. | 10 | |
| Weather: | 470- 660 | W.N | inderten inny s 7mp | 1 | Environment: | 011 | ist wood | 4 | |
| Multiparamete | r Water Meter | Make: | Horiba | Model: | a 2000 | Serial Number: | 37851 | NNWF | |
| Water Lev | el Meter | Make: | Heron | Model: | Dipper 7 | Serial Number: | 19FF2202 13/ML | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 3.98 | s.u. | ±0.1 s.u. | P | No | _ | MSI | 023310-01 | 11/10/202 |
| pH 7.00a | 7.02 | s.u. | ±0.1 s.u. | 0 | NO | _ | MSI | 024145-01 | 5/29/2026 |
| pH 10.00a | 10.01 | s.u. | ±0.1 s.u. | f | NO | | MSI | 024072-02 | 3/21/2026 |
| SC Zero (DI) | jo | μS/cm | 0<25 μS/cm | P | NO | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 1950 | μS/cm | ±5% | P | 10 | - | Proactive | 3GJ1438 | Oct-24 |
| ORP | 236 | mV | ±15 mV | P | No | _ | In-Situ | 4GJ0045 | Jul-25 |
| DO (Zero pt) | 0.09 | mg/L | ±0.1 | P | 00 | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 9. 98.2 | % | 97-100% | F | No | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | P | No | | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 hr | | | 464 | | | 0.46 | 242 | N/A (DI) | |
| | (Initial Calibra | | | la (2.4) | Time: | OASI | | | |
| Buffer | Buffer Check Value Units Range Pass/Fail | | Actio | n Taken? | Manufacturer | Lot# | Ехр. | | |
| pH 4.00b | 3.94 | s.u. | ±0.15 s.u. | P | | | Proactive | 3GE1074 | May-25 |
| pH 7.00b | 6.85 | s.u. | ±0.15 s.u. | P | | | Proactive | 3GE1252 | May-25 |
| oH 10.00b | 10.00 | s.u. | ±0.15 s.u. | P | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 975 | μS/cm | ±5% | | | | Spectrum | 2NA0056 | Dec-25 |
| Approx. every 8 hr CCV (Continue | | | -+!\. | - | | in 41/ | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Time: Calibrate? | 1354 Adjusted Reading | Manufacturer | 1 - 4 # | |
| oH 4.00a | 4.03 | S.U. | ±0.1 s.u. | Passylali | No | Adjusted Reading | MSI | Lot# 023310-01 | Exp. |
| oH 7.00a | 7-01 | s.u. | ±0.1 s.u. | 1 | No | - | MSI | 024145-01 | 5/29/2026 |
| oH 10.00a | 10.07 | s.u. | ±0.1 s.u. | 1 | 800 | _ | MSI | 024072-02 | 3/21/2026 |
| SC 1000 | 963 | μS/cm | ±5% | 1 | 10 | - | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 0-09 | mg/L | ±0.1 mg/L | 1 | NO | | Macron | #000228049 | 8/26/2025 |
| urbidity (DI) | 0.0 | NTU | <2 NTU | P | NO | • | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 8 hr | s, unless only on | e well | | , | | | | | |
| Comments: | | | | | | | | | |
| Signature: | 1 | 1/ | 4 | | Date: | 10/17 | 1202 | 4 | |

| | IVIUI | upui | umeter i | vietei | riela Ci | alibration | Cneckiis | T | |
|-------------------------|---------------------------------------|--------|--------------------|-----------|-------------|-------------------|--------------|------------|------------------------|
| Field Personnel: | AV |) | | | Location | Duck | Creek | _ | |
| Weather: | Sunny 4 | 3°-6 | o lough h | lind S | Environment | Grassy | mudáy | | |
| Multiparamete | r Water Meter | Make: | Horiba | | v-5000 | Serial Number | 0 | PKK | |
| Water Lev | vel Meter | Make: | Heron | Model: | Dipper-T | Serial Number | 3717 | -T | |
| Buffer | Check Value | Units | Range | Pass/Fail | | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.37 | s.u. | ±0.1 s.u. | F | yes | 4.00 | MSI | 023310-01 | 11/10/202 |
| pH 7.00a | 6.60 | s.u. | ±0.1 s.u. | F | yes | 7.00 | MSI | 024145-01 | 5/29/2026 |
| pH 10.00a | 10.02 | s.u. | ±0.1 s.u. | P | NO | NA | MSI | 024072-02 | 3/21/2026 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | P | No | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 1930 | μS/cm | ±5% | P | 20 | | Proactive | 3GJ1438 | Oct-24 |
| ORP | 248 | mV | ±15 mV | P | 20 | | In-Situ | 4GJ0045 | Jul-25 |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 | P | 20 | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 98.3 | % | 97-100% | P | NO | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | P | No | 4 | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 h | rs, unless only on (Initial Calibr | | orification\ | 1 | T: | 0120 | 1 | | |
| Buffer | Check Value | 1 | | Pass/Fail | Time: | 9:20 on Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | 2503 | | ±0.15 s.u. | P | N | 0 | Proactive | 3GE1074 | May-25 |
| pH 7.00b | 7.13 | s.u. | ±0.15 s.u. | P | N | 0 | Proactive | 3GE1252 | May-25 |
| pH 10.00b | 10.10 | s.u. | ±0.15 s.u. | 4 | 2 | 0 | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 1030 | μS/cm | ±5% | P | 1 | 10 | Spectrum | 2NA0056 | Dec-25 |
| Approx. every 8 h | | | | | | | 1 | | |
| CCV (Continue | | | | | Time: | 14:30 | | | |
| Buffer pH 4.00a | Check Value | Units | Range ±0.1 s.u. | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| рн 4.00a рН 7.00a | 7.05 | s.u. | ±0.1 s.u. | P | 1 40 | I | MSI | | 11/10/2025 |
| pH 10.00a | 10.02 | s.u. | ±0.1 s.u. | P | | | MSI | 024145-01 | 5/29/2026 3/21/2026 |
| SC 1000 | 1020 | μS/cm | ±5% | P | | | Spectrum | 2NA0024 | |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 mg/L | P | | | Macron | #000228049 | Dec-25 |
| Turbidity (DI) | 0,0 | NTU | <2 NTU | P | A | 4 | Pace Labs | | N/A (DI) |
| Approx. every 8 hr | s, unless only on | e well | | | | | | 1.4 | ,(5.) |
| Comments: Signature: | 1-/- | | Lita | | Date: | 10/17 | /24 | | |

| Field Personnel: | 20 | | | | Location: | Die | ch Creek | | | | |
|----------------------|--------------------------------|-------------|------------------|-----------|--------------|---------------|---------------|------------------|------------------------|------------|--|
| Weather: | | MISUN | wind 554 | 9-20mp | Environment: | | uss, woods | | | | |
| Multiparameter | r Water Meter | Make: | Aguarroll | Model: | 600 | | erial Number: | 762213 | 5 | | |
| Water Lev | | Make: | Heron | | Dippe-T | Serial Number | | 11 FF2209 305 ML | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | _ | sted Reading | Manufacturer | Lot# | Exp. | |
| рН 4.00а | 4.00 | s.u. | ±0.1 s.u. | b | No | | NA | MSI | 023310-01 | 11/10/202 | |
| pH 7.00a | 6.95 | s.u. | ±0.1 s.u. | | | | 1 | MSI | 024145-01 | 5/29/2026 | |
| pH 10.00a | 9.94 | s.u. | ±0.1 s.u. | | | | | MSI | 024072-02 | 3/21/2026 | |
| SC Zero (DI) | 6.05 | μS/cm | 0<25 μS/cm | | | | | Pace Labs | N/A (DI) | N/A (DI) | |
| SC 2000 | 1993,3 | μS/cm | ±5% | | | | | Proactive | 3GJ1438 | Oct-24 | |
| ORP | 248.0 | mV | ±15 mV | | | | | In-Situ | 4GJ0045 | Jul-25 | |
| DO (Zero pt) | 0.09 | mg/L | ±0.1 | | | | | Macron | #000228049 | 8/26/2025 | |
| DO (Saturated) | 98.71 | % | 97-100% | | | | | Pace Labs | N/A (DI) | N/A (DI) | |
| Furbidity (DI) | 0.00 | NTU | <2 NTU | + | 1 | | L | Pace Labs | N/A (DI) | N/A (DI) | |
| Approx. every 8 hr | | | arification\ | | | | 4.2 | | | | |
| Buffer | (Initial Calibr Check Value | Units | | Pass/Fail | - | Time: 0 30 | | Manufacturer | 1 | | |
| oH 4.00b | 3.95 | s.u. | £0.15 s.u. | þ | 674 | | Proactive | Lot# 3GE1074 | Exp. May-25 | | |
| oH 7.00b | 6.85 | s.u. | ±0.15 s.u. | | | | Proactive | 3GE1252 | May-25 | | |
| oH 10.00b | 10.01 | s.u. | ±0.15 s.u. | | | | | Geotech | 3GA1134 | Jan-25 | |
| SC 1000 | 1008.2 | μS/cm | ±5% | 2 | | 1 | | Spectrum | 2NA0056 | Dec-25 | |
| Approx. every 8 hr | | | | | | | | | | | |
| CCV (Continue | | Verifica | ition): | | Time: | - | 13 | | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjus | sted Reading | Manufacturer | Lot# | Ехр. | |
| oH 4.00a | 4.02 | s.u. | ±0.1 s.u. | 1 | 1 | 1 | , , | MSI | 023310-01 | 11/10/2025 | |
| pH 7.00a | 6.68 | s.u. | ±0.1 s.u. | | | | | MSI | 024145-01 | 5/29/2026 | |
| oH 10.00a | 1009.5 | s.u. | ±0.1 s.u. | | | 1 | | MSI | 024072-02 | 3/21/2026 | |
| OO (Zero pt) | 0.09 | μS/cm | ±5% ±0.1 mg/L | | | | | Spectrum | 2NA0024 | Dec-25 | |
| Turbidity (DI) | 0.00 | mg/L NTU | <2 NTU | 1 | | | | Macron Pace Labs | #000228049 N/A (DI) | | |
| pprox. every 8 hr | | | 12 1410 | | | - | | race Laus | IN/A (DI) | N/A (DI) | |
| Comments: Signature: | lim | 5 | 2 7 | | Date: | 1.0 | 117/20 | | | | |



| Field Personnel: | KALER | A | SKE | | Location: | Nove (| REFK | | |
|------------------------------------|-----------------|---------------|--------------|-----------|--------------|------------------|--------------|-------------------|------------------|
| Weather: | 430 50 | 1000 | COMPY S | S | Environment: | GEASS | KEEK | | |
| Multiparamete | r Water Meter | Make: | 21 | Model: | 050cc | Serial Number: | ACT | TVU | 10 |
| Water Lev | vel Meter | Make: | HORIBA | Model: | INT | Serial Number: | 37459 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | J lott | F |
| pH 4.00a | 4.81 | S.U. | ±0.1 s.u. | ALL | VIS 1 | 4,00 | MSI | Lot# 023219-02 | Exp. 8/9/2025 |
| pH 7.00a | 7.04 | s.u. | ±0.1 s.u. | PASS | ive | NA | MSI | 023334-01 | 12/7/2025 |
| pH 10.00a | 10.01 | s.u. | ±0.1 s.u. | | 1 | 1 | MSI | 024037-01 | 2/21/2026 |
| SC Zero (DI) | 13 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2000 | μS/cm | ±5% | | | | Proactive | 3GJ1438 | Oct-24 |
| ORP | 232 | mV | ±15 mV | | | | Reagents | 8406644 | Apr-25 |
| OO (Zero pt) | 0.0 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 99 | % | 97-100% | 1 | | | Pace Labs | N/A (DI) | N/A (DI) |
| urbidity (DI) Approx. every 8 h | O.O | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |
| | (Initial Calibr | | erification) | | Time: | 0935 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Actio | n Taken? | Manufacturer | Lot# | Exp. |
| oH 4.00b | 4.00 | s.u. | ±0.15 s.u. | Riss | Nes | | Proactive | 3GE1074 | May-25 |
| oH 7.00b | 7200 | s.u. | ±0.15 s.u. | _لــا | 1 | | Proactive | 3GE1252 | Maγ-25 |
| H 10.00b | 9.65 | s.u. | ±0.15 s.u. | FAIL | Uns 10 | 000 C | Geotech | 3GA1134 | Jan-25 |
| SC 1000 Approx. every 8 h | 999 | μS/cm | ±5% | PA155 | NO | | Spectrum | 2NA0024 | Dec-25 |
| CCV (Continue | | | ation): | | Time: | 1413 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| он 4.00а | 4.02 | 5.u. | ±0.1 s.u. | Park | 290 | ofa | MSI | 023219-02 | 8/9/2025 |
| н 7.00a | 6.98 | s.u. | ±0.1 s.u. | | | | MSI | 023334-01 | 12/7/2025 |
| H 10.00a | 9.99 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| C 1000 | 9.97 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 0.0 | mg/L | ±0.1 mg/L | | 1 | | Macron | #000228049 | 8/26/2025 |
| urbidity (DI) | C. LO | NTU e well | <2 NTU | + | | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| omments: | /// | | |) | | 1 | , | | |
| Signature: | / // | 1 | -2 | | Date: | ·nli | 121 | | |

10117/2×

| | Mult | ipar | ameter N | ⁄letei | Field Co | alibration | Checklis | t | |
|---|--|--------|--------------|-----------|---------------------|----------------------------|--------------|-------------------|--------------------|
| Field Personnel: | AU) | | | | Location: | Duck | Creek | 3 | |
| Weather: | Sunny 5 | 70-7 | 905mmw: | nd 5 | Environment: | GRASSY | gravel | | |
| Multiparamete | er Water Meter | Make: | Horiba | Model: | U-5000 | Serial Number: | V7320 | PKR | |
| Water Le | vel Meter | Make: | Heron | Model: | Dipper-T | Serial Number: | 371 | 7-7 | - |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.29 | s.u. | ±0.1 s.u. | F | yes | 3.99 | MSI | 023310-01 | 11/10/2025 |
| pH 7.00a | 4.59 | s.u. | ±0.1 s.u. | F | yu | 7.01 | MSI | 024145-01 | 5/29/2026 |
| pH 10.00a | 10.18 | s.u. | ±0.1 s.u. | F | yes | 10.02 | MSI | 024072-02 | 3/21/2026 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | P | NO | NA | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2020 | μS/cm | ±5% | P | 00 | N/A | Proactive | 3GJ1438 | Oct-24 |
| ORP | 252 | mV | ±15 mV | P | NO | NA | In-Situ | 4GJ0045 | Jul-25 |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 | P | 20 | NA | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 99.4 | % | 97-100% | P | No | N/A | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | P | 20 | NA | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 h | rs, unless only on ' (Initial Calibra | | orification\ | | _ | 0.5 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Time: | 9:30 n Taken? | Manufacturer | Lot# | Ехр. |
| pH 4.00b | 3.94 | s.u. | ±0.15 s.u. | P | N | | Proactive | 3GE1074 | May-25 |
| pH 7.00b | le-97 | s.u. | ±0.15 s.u. | P | | | Proactive | 3GE1252 | May-25 |
| pH 10.00b | 10.03 | s.u. | ±0.15 s.u. | P | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 1020 | μS/cm | ±5% | P | A | | Spectrum | 2NA0056 | Dec-25 |
| Approx. every 8 h | | | | | | 1~ . 2- | | | |
| CCV (Continue Buffer | Check Value | Units | Range | Pass/Fail | Time: Calibrate? | 15: 20 Adjusted Reading | Manufacturer | 1 | - |
| pH 4.00a | 4.05 | s.u. | ±0.1 s.u. | Pass/rail | NO | ~ 1/A | MSI | Lot# 023310-01 | Exp. 11/10/2025 |
| pH 7.00a | 7.03 | s.u. | ±0.1 s.u. | P | | 1 | MSI | 024145-01 | 5/29/2026 |
| pH 10.00a | 10.07 | s.u. | ±0.1 s.u. | P | | | MSI | 024072-02 | 3/21/2026 |
| SC 1000 | 1010 | μS/cm | ±5% | P | | | Spectrum | 2NA0024 | Dec-25 |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 mg/L | P | | | Macron | #000228049 | |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | P | 4 | * | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 hi Comments: Signature: | rs, unless only one | e well | Home | | Date: | 10/3 | 21/21 | 1 | |

| | Mult | tipar | ameter N | /lete | ? <i>r</i> | Field C | ali | bration | Checklis | t | |
|--------------------------------------|-------------------|--------|--------------|--------|------------|-------------|-----|-----------------|--------------|------------|------------|
| Field Personnel: | HAER | DE | SKE | | | Location | 1 | WCKC. | REEK | | |
| Weather: | 56°S | عمر | 5 MAR | S | | Environment | 1 | A RASS | | | |
| Multiparameter | Water Meter | Make: | HORIBA | Mode | el: | U-50E | 0 | Serial Number | AGIT | KYXG | |
| Water Lev | el Meter | Make: | SOLINS | Mode | el: | WT | | Serial Number | 334 | 59 | |
| Buffer | Check Value | Units | Range | Pass/F | ail | Calibrate? | A | djusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.01 | s.u. | ±0.1 s.u. | PASS | , | 60 | | NA | MSI | 023310-01 | 11/10/2025 |
| pH 7.00a | 6.98 | s.u. | ±0.1 s.u. | 1 | | | L | 1 | MSI | 024145-01 | 5/29/2026 |
| pH 10.00a | 10.00 | s.u. | ±0.1 s.u. | | | | L | | MSI | 024072-02 | 3/21/2026 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | | | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2000 | μS/cm | ±5% | | 4 | | | | Proactive | 3GJ1438 | Oct-24 |
| ORP | 231 | mV | ±15 mV | | 4 | | L | | In-Situ | 4GJ0045 | Jul-25 |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 | | | | L | 1 | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 99 | % | 97-100% | | | | L | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) Approx. every 8 hr | 1.03 | NTU | <2 NTU | , , | + | | | | Pace Labs | N/A (DI) | N/A (DI) |
| | (Initial Calibr | | erification) | | T | Time | 1 | 929 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/F | ail | | _ | aken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | 4.08 | s.u. | ±0.15 s.u. | PASS | | 90 | | | Proactive | 3GE1074 | May-25 |
| pH 7.00b | 6.99 | s.u. | ±0.15 s.u. | | | | | | Proactive | 3GE1252 | May-25 |
| pH 10.00b | 9.907 | s.u. | ±0.15 s.u. | | | | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 1000 | μS/cm | ±5% | - | + | | | | Spectrum | 2NA0056 | Dec-25 |
| Approx. every 8 hr | | | | | | | | | | | |
| CCV (Continue | | | | | 4 | Time: | | 1522 | | | |
| Buffer | Check Value | Units | Range | Pass/F | П | Calibrate? | | ljusted Reading | Manufacturer | Lot# | Ехр. |
| pH 4.00a | 7.02 | s.u. | ±0.1 s.u. | MSS | 1 | 100 | | NA I | MSI | 023310-01 | 11/10/2025 |
| pH 7.00a | 7.0 OX | s.u. | ±0.1 s.u. | | + | 1 | | | MSI | 024145-01 | 5/29/2026 |
| pH 10.00a | 10.00 | s.u. | ±0.1 s.u. | + | + | | | | MSI | 024072-02 | 3/21/2026 |
| SC 1000 | 1000 | μS/cm | ±5% | 1 | + | | | | Spectrum | 2NA0024 | Dec-25 |
| DO (Zero pt) | 0.0 | rimg/L | ±0.1 mg/L | + | + | | | \ | Macron | #000228049 | 8/26/2025 |
| Turbidity (DI) | 1.00 | NTU | <2 NTU | 1 | I | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 hrs | s, unless only on | e well | | | _ | | | | | | |
| Comments: | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | 9-1 | | 4 | | | - 70 | | | |
| Signature: | 1 | | 2 | | | Date | | 10 2 | 124 | | |
| | 16 | 1 | | | _ | | | 7 | 1 | | |

| Field Personnel: | AW | | | | Location: | Duck (| MARY | | |
|--------------------------------------|--------------------|----------------|--------------|-----------|--------------|------------------------|---------------------|-------------------|-------------------|
| Weather: | | -75° | 10 mpn Wind | South | Environment: | Grassy. | | | |
| Multiparamete | 0 | | Horiba | 1 | U-5000 | Serial Number: | | LOPVI | / |
| Websile | -155-4 | | | | | | | | |
| Water Lev | | Make: | MENOLI | | Dipper-T | Serial Number: | 011 | 7-1 | , |
| Buffer pH 4.00a | 7.58 | Units s.u. | t0.1 s.u. | Pass/Fail | Calibrate? | Adjusted Reading 4.00 | Manufacturer MSI | Lot# 023310-01 | Exp. 11/10/202 |
| pH 7.00a | 4.08 | s.u. | ±0.1 s.u. | F | yes | 7.00 | MSI | 024145-01 | 5/29/2026 |
| pH 10.00a | 9.97 | s.u. | ±0.1 s.u. | P | No | NA | MSI | 024072-02 | 3/21/2026 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | P | NO | NIA | Pace Labs | N/A (DI) | N/A (Di) |
| SC 2000 | 2050 | μS/cm | ±5% | P | No | NA | Proactive | 3GJ1438 | Oct-24 |
| ORP | 248 | mV | ±15 mV | P | NO | | In-Situ | 4GJ0045 | Jul-25 |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 | P | NO | NA | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 97.7 | % | 97-100% | P | NO | N/A | Pace Labs | N/A (DI) | N/A (D!) |
| Furbidity (DI) Approx. every 8 h | O. O | NTU ne well | <2 NTU | P | No | NA | Pace Labs | N/A (DI) | N/A (DI) |
| | (Initial Calibr | | erification) | | Time: | 9:08 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Actio | n Taken? | Manufacturer | Lot# | Ехр. |
| pH 4.00b | 4.95 | s.u. | ±0.15 s.u. | F | yus/ | 3.99 | Proactive | 3GE1074 | May-25 |
| pH 7.00b | 6.90 | s.u. | ±0.15 s.u. | P | No | | Proactive | 3GE1252 | May-25 |
| oH 10.00b | 9.96 | s.u. | ±0.15 s.u. | 9 | No | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 Approx. every 8 hi | 1020 | μS/cm | ±5% | P | N | 0 | Spectrum | 2NA0056 | Dec-25 |
| CCV (Continue | | | ation). | | Time: | 1509 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| oH 4.00a | 4.10 | s.u. | ±0.1 s.u. | P | No | ALM | MSI | 023310-01 | 11/10/202 |
| H 7.00a | 4.05 | s.u. | ±0.1 s.u. | P | | 1 | MSI | 024145-01 | 5/29/2026 |
| оН 10.00а | 9.96 | s.u. | ±0.1 s.u. | P | | | MSI | 024072-02 | 3/21/2026 |
| SC 1000 | 1030 | μS/cm | ±5% | P | | | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 0.0 | mg/L | ±0.1 mg/L | P | | | Macron | #000228049 | 8/26/2025 |
| Furbidity (DI) Approx. every 8 hr | rs, unless only on | NTU e well | <2 NTU | P | Å | de | Pace Labs | N/A (DI) | N/A (DI) |
| comments: | | | | | | | | | |
| | | | | | | | | | |
| | | FUSE | | | | | | | |
| | 1/ | 1 | 1 / 1/1 | | | 1 | | | |

| | Mult | tipar | ameter N | /leter | Field Co | alibration | Checklis | t | |
|-----------------------|------------------|---------------|------------|-----------|--------------|------------------|------------------------|------------------------|------------------|
| Field Personnel: | KALEB | A | KE | | Location: | Bucko | ORFEK | | |
| Weather: | -101 | ODS | 10 MAI 5 | | Environment: | ^ | | | |
| Multiparameter | r Water Meter | Make: | HORIBA | Model: | UFOCE | Serial Number: | AGJTK | 4XG | |
| Water Lev | el Meter | Make: | STREET | Model: | WI | Serial Number: | 3345 | 59 | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.03 | s.u. | ±0.1 s.u. | ASS | Ma | NA | MSI | 023310-01 | 11/10/2025 |
| pH 7. 00a | 7.01 | s.u. | ±0.1 s.u. | | | | MSI | 024145-01 | 5/29/2026 |
| pH 10.00a | 10.00 | s.u. | ±0.1 s.u. | | | | MSI | 024072-02 | 3/21/2026 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2000 | μS/cm | ±5% | | | | Proactive | 3GJ1438 | Oct-24 |
| ORP | 232 | mV | ±15 mV | | | | In-Situ | 4GJ0045 | Jul-25 |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 99 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 1.20 | NTU | <2 NTU | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 hr | | | 10 | - | | | 1 | | |
| | (Initial Calibra | | | n 15 11 | Time: | 0959 | | | |
| Buffer pH 4.00b | Check Value | Units s.u. | ±0.15 s.u. | Pass/Fail | NO | n Taken? | Manufacturer Proactive | Lot# 3GE1074 | Exp. |
| pH 7.00b | 7.02 | s.u. | ±0.15 s.u. | 1 | 1 | | Proactive | 3GE1252 | May-25 May-25 |
| pH 10.00b | 9.97 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 1000 | μS/cm | ±5% | | | | Spectrum | 2NA0056 | Dec-25 |
| Approx. every 8 hr | | | | | | | | | |
| CCV (Continue | | | | | Time: | 1509 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | h | s.u. | ±0.1 s.u. | 1A50 | 20 | Y/A | MSI | | 11/10/2025 |
| pH 7.00a pH 10.00a | 10.00 | s.u. | ±0.1 s.u. | | | | MSI | 024145-01 | 5/29/2026 |
| SC 1000 | 1000 | μS/cm | ±0.1 s.u. | | | | MSI | 024072-02 2NA0024 | 3/21/2026 |
| DO (Zero pt) | 00 | mg/L | ±0.1 mig/L | | | | Spectrum | | Dec-25 |
| Turbidity (DI) | 0.83 | NTU | <2 NTU | + | | | Pace Labs | #000228049 N/A (DI) | N/A (DI) |
| Approx. every 8 hr | | | 20 | | 1 | | | .47. (01) | (טו) |
| Comments: Signature: | | | Da. |) | Date: | 19 22 | 1,24 | | |

APP 10/23/24

| Water Level Meter Make: He | #0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 225 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU iication) | Model: | Environment: U-S000 Dipper-T Calibrate? NO | 1 | V732 | Lot# 023310-01 024145-01 024072-02 N/A (DI) 3GJ1438 4GJ0045 #000228049 N/A (DI) | Exp. 11/10/202! 5/29/2026 3/21/2026 N/A (DI) Oct-24 Jul-25 8/26/2025 |
|--|---|--|---|--|---|---|---|
| Water Level Meter Make: He Buffer Check Value Units pH 4.00a H . 09 s.u. pH 7.00a B 6.92 s.u. pH 10.00a 9.97 s.u. sc Zero (DI) D . 0 μS/cm sc Zero (DI) D . 0 μS | #0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 225 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU iication) | Model: Model: Passs/Fail P P P P | 0:88ex-1 Calibrate? NO | Serial Number: Serial Number: Adjusted Reading | N732 3717 Manufacturer MSI MSI Pace Labs Proactive In-Situ Macron | Lot# 023310-01 024145-01 024072-02 N/A (DI) 3GJ1438 4GJ0045 #000228049 | Exp. 11/10/202 5/29/2026 3/21/2026 N/A (DI) Oct-24 Jul-25 8/26/2025 |
| Water Level Meter Make: He | #0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 20.25 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU Grication) | Pass/Fail P P P P P P | 0:88ex-1 Calibrate? NO | Adjusted Reading | MSI MSI Pace Labs Proactive In-Situ | 023310-01 024145-01 024072-02 N/A (DI) 3GJ1438 4GJ0045 #000228049 | 11/10/202: 5/29/2026 3/21/2026 N/A (DI) Oct-24 Jul-25 8/26/2025 |
| Buffer Check Value Units pH 4.00a | Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. >225 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU Gication) | Pass/Fail P P P P P P | Calibrate? NO | . 1 / | MSI MSI Pace Labs Proactive In-Situ Macron | 023310-01 024145-01 024072-02 N/A (DI) 3GJ1438 4GJ0045 #000228049 | 11/10/202 5/29/2026 3/21/2026 N/A (DI) Oct-24 Jul-25 8/26/2025 |
| pH 7.00a | ±0.1 s.u. ±0.1 s.u. ±0.25 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU | P P P P P | 20 20 20 20 20 20 20 20 20 20 | . 1 / | MSI Pace Labs Proactive In-Situ Macron | 023310-01 024145-01 024072-02 N/A (DI) 3GJ1438 4GJ0045 #000228049 | 11/10/202 5/29/2026 3/21/2026 N/A (DI) Oct-24 Jul-25 8/26/2025 |
| pH 10.00a 9.97 s.u. SC Zero (DI) 0.0 µS/cm 0 SC 2000 2030 µS/cm ORP 245 mV DO (Zero pt) 0.0 mg/L DO (Saturated) 97.8 % Turbidity (DI) 0.0 NTU Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification Serification Control of the con | ±0.1 s.u. ><25 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU Grant on the state of t | P P P P | 70 70 70 70 70 70 70 | | MSI Pace Labs Proactive In-Situ Macron | 024072-02 N/A (DI) 3GJ1438 4GJ0045 #000228049 | 3/21/2026 N/A (DI) Oct-24 Jul-25 8/26/2025 |
| SC Zero (DI) SC Zero (DI) SC 2000 CORP DO (Zero pt) DO (Saturated) Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification Series) Buffer Check Value Units | ±5% ±15 mV ±0.1 97-100% <2 NTU | P P P P | 70 70 70 70 70 70 | | Pace Labs Proactive In-Situ Macron | N/A (DI) 3GJ1438 4GJ0045 #000228049 | N/A (DI) Oct-24 Jul-25 8/26/2025 |
| SC 2000 QO 3O µS/cm ORP QU 5 mV DO (Zero pt) O O mg/L OO (Saturated) Turbidity (DI) Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verified Buffer Check Value Units) | ±5% ±15 mV ±0.1 97-100% <2 NTU ication) | P P P | 20 20 20 20 | * | Proactive In-Situ Macron | 3GJ1438 4GJ0045 #000228049 | Oct-24 Jul-25 8/26/2025 |
| ORP 245 mV DO (Zero pt) 0.0 mg/L DO (Saturated) 97.8 % Turbidity (DI) 0.0 NTU Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verified Buffer Check Value Units) | ±15 mV ±0.1 97-100% <2 NTU | PPP | 70 70 | * | In-Situ Macron | 4GJ0045 #000228049 | Jul-25 8/26/2025 |
| DO (Zero pt) DO (Saturated) O O mg/L O (Saturated) O O NTU Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verified Buffer Check Value Units) | ±0.1 97-100% <2 NTU | PP | 20 | * | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) 97.8 % Turbidity (DI) Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verifiable) Buffer Check Value Units | 97-100% <2 NTU (ication) | P | NO | - | | | |
| Turbidity (DI) Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verifiable) Buffer Check Value Units | <2 NTU ication) | 1 | | 4 | Pace Labs | N/A (DI) | |
| Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification Check Value Units) 2 | ication) | P | No | A | | 114/11/21/ | N/A (DI) |
| ICV (Initial Calibration Verification Verifi | | | | 40 | Pace Labs | N/A (DI) | N/A (DI) |
| Buffer Check Value Units | | | | 0103 | 1 | | |
| 3 00 | Range | Pass/Fail | Time: | 9;03 n Taken? | Manufactura | 1 - 44 | - |
| | ±0.15 s.u. | P | No | | Manufacturer Proactive | Lot# 3GE1074 | Exp. May-25 |
| 1.90 | ±0.15 s.u. | P | 2 | | Proactive | 3GE1252 | May-25 |
| Dail | ±0.15 s.u. | P | N | 0 | Geotech | 3GA1134 | Jan-25 |
| SC 1000 0 H () µS/cm | ±5% | P | N | 0 | Spectrum | 2NA0056 | Dec-25 |
| Approx. every 8 hrs, unless only one well | | | | | | | |
| CCV (Continued Calibration Verification | | | Time: | 15:05 | | | |
| Buffer Check Value Units OH 4.00a | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| 1000 | ±0.1 s.u. | P | 140 | 10/7 | MSI | 023310-01 | 11/10/202 |
| 100 | ±0.1 s.u. | Ď | | | MSI | 024145-01 | 5/29/2026 |
| 1010 | ±0.1 s.u. | D | | | MSI | 024072-02 | 3/21/2026 |
| 0.0 | ±5% | P | 1 | | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | ±0.1 mg/L <2 NTU | P | + | 4 | Macron | #000228049 | |
| Approx. every 8 hrs, unless only one well | NIO NIO | , | | | Pace Labs | N/A (DI) | N/A (DI) |

| Field Personnel: | 30 | | | | Location: | Duck Creek | | | |
|--------------------------------------|-------------------|---------|--------------|-----------|---------------------|--------------------------|--------------|-------------------|----------------|
| Weather: | 56-67°F | F- Symu | wind Ny 1 | 1-25 mpl | Environment: | gass, werds | | | |
| Multiparamete | | Make: | Azvatroll | Model: | 600 | Serial Number: | 762215 | | |
| Water Lev | el Meter | Make: | Heron | Model: | Dipper-T | Serial Number: | 11FF220 | 9305M1 | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 3,96 | s.u. | ±0.1 s.u. | P | N | NA | MSI | 023310-01 | 11/10/202 |
| pH 7.00a | 6.96 | s.u. | ±0.1 s.u. | P | N | NA | MSI | 024145-01 | 5/29/2026 |
| pH 10.00a | 9.88 | s.u. | ±0.1 s.u. | F | Y | 10.04 | MSI | 024072-02 | 3/21/2026 |
| SC Zero (DI) | 5,09 | μS/cm | 0<25 μS/cm | P | N | NA | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2043,0 | μS/cm | ±5% | | 1 | 1 | Proactive | 3GJ1438 | Oct-24 |
| ORP | 238, | mV | ±15 mV | | | | In-Situ | 4GJ0045 | Jul-25 |
| DO (Zero pt) | 0,09 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 98,01 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Furbidity (DI) Approx. every 8 hr | 0.00 | NTU | <2 NTU | 1 | 1 | 7 | Pace Labs | N/A (DI) | N/A (DI) |
| | (Initial Calibr | | erification) | | Time: | 1910 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | 4.01 | s.u. | ±0.15 s.u. | P | / | v A | Proactive | 3GE1074 | May-25 |
| pH 7.00b | 6,85 | s.u. | ±0.15 s.u. | | | | Proactive | 3GE1252 | May-25 |
| oH 10.00b | 9,97 | s.u. | ±0.15 s.u. | | 1 41 | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 1014.4 | μS/cm | ±5% | T | - | L | Spectrum | 2NA0056 | Dec-25 |
| Approx. every 8 hr | | | | | | 1000 | | | |
| CCV (Continue Buffer | Check Value | Units | Range | Pass/Fail | Time: Calibrate? | 1520 Adjusted Reading | Manufacturer | 1-44 | - |
| oH 4.00a | 4.02 | s.u. | ±0.1 s.u. | f | N. | MA. | MSI | Lot# 023310-01 | Exp. 11/10/202 |
| oH 7.00a | 6,99 | s.u. | ±0.1 s.u. | | | 1 | MSI | 024145-01 | 5/29/2026 |
| H 10.00a | 10.06 | s.u. | ±0.1 s.u. | | | | MSI | 024072-02 | 3/21/2026 |
| SC 1000 | 1036.1 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 0,08 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| urbidity (DI) | 0500 | NTU | <2 NTU | ا ا | يا ا | L | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 8 hr omments: | s, unless only on | e well | | | | | | | |
| | for | | | - | | | | | |

| | Mult | tipar | ameter I | Metei | r Field Co | alibration | Checklis | t | |
|----------------------|---------------------|---------------|--------------------|-----------|-----------------|------------------|---------------------|-------------------|-------------------------|
| Field Personne | KALEB | DE | SKE | | Location: | Ducka (| REEK | | |
| Weather | 55% | 004 | BMA NN | W | Environment: | ~ | | | |
| Multiparamet | er Water Meter | Make: | FORTBA | Model: | 05000 | Serial Number | AGJTI | K4XG | |
| Water Le | vel Meter | Make: | SOLTUST | Model: | WT | Serial Number | 334 | 59 | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| рН 4.00а | 5.50 | s.u. | ±0.1 s.u. | FATL | U _{ES} | 4.00 | MSI | 023310-01 | 11/10/202 |
| pH 7.00a | 7.03 | s.u. | ±0.1 s.u. | PASS | NO | NA | MSI | 024145-01 | 5/29/2026 |
| pH 10.00a | 10.04 | s.u. | ±0.1 s.u. | 1 | | | MSI | 024072-02 | 3/21/2026 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2020 | μS/cm | ±5% | | | | Proactive | 3GJ1438 | Oct-24 |
| ORP | 232 | mV | ±15 mV | | | | In-Situ | 4GJ0045 | Jul-25 |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 99 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | nrs, unless only on | NTU | <2 NTU | + | | - | Pace Labs | N/A (DI) | N/A (DI) |
| | / (Initial Calibr | | erification) | | Time: | 0918 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| pH 4.00b | 4.00 | s.u. | ±0.15 s.u. | (Ass | we | | Proactive | 3GE1074 | May-25 |
| pH 7.00b | 7.01 | s.u. | ±0.15 s.u. | 1 | 1 | | Proactive | 3GE1252 | May-25 |
| pH 10.00b | 9.99 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 1010 | μS/cm | ±5% | | | | Spectrum | 2NA0056 | Dec-25 |
| | rs, unless only on | | | | | | 1 | | |
| | ed Calibration | | | T | Time: | 1505 | | | |
| Buffer pH 4.00a | Check Value | Units s.u. | Range ±0.1 s.u. | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer MSI | Lot# 023310-01 | Exp. |
| pH 7.00a | 7.01 | s.u. | ±0.1 s.u. | I MED | | 1 | MSI | 024145-01 | 11/10/2025 5/29/2026 |
| pH 10.00a | 9.99 | s.u. | ±0.1 s.u. | | | | MSI | 024072-02 | 3/21/2026 |
| SC 1000 | 1000 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| DO (Zero pt) | 0.0 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | |
| Turbidity (DI) | 0.13 | NTU | <2 NTU | 1 | | | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 h | rs, unless only on | e well | | | | | | | |
| Comments: Signature: | | V/ | | | Date: | 10 23 | 24 | | |

| pH 7.00a | | | | | | | | ameter I | | | |
|--|-------------------|------------|--------------|------------|---------|--------------|-----------|--------------|--------|-------------------|------------------|
| Multiparameter Water Meter Make: Horiva Model: U-5000 Serial Number: √7320 PV-V- Water Level Meter Make: Horiva Model: 0ifperT Serial Number: 3717 − T Buffer Check Value Units Range Pass/Fall Calibrate? Adjusted Reading Manufacturer Lot# pH 4.00a 5.09 s.u. ±0.1 s.u. F V- H · 0 0 MSI 023310-01 11, pH 7.00a | | | | | | Location: | | |) | Au | Field Personnel: |
| Water Level Meter | | 1el | y , gran | nrass | G | Environment: | SE | Ymph wind | 68° 1 | Sun14 46 | Weather: |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# | | OPKK | V7320 | al Number: | Seria | U-5000 | Model: | Horiba | Make: | Water Meter | Multiparamete |
| PH 4.00a 5-09 s.u. ±0.1 s.u. F Yes H 1.00 MSI 023310-01 11, pH 7.00a (e . 00 s.u. ±0.1 s.u. F Yes T 2.00 MSI 024145-01 5/2 pH 10.00a 10 . 12 s.u. ±0.1 s.u. F Yes T 2.00 MSI 024072-02 3/2 SC Zero (DI) O . O µS/cm 0-25 µS/cm P NO N/A Pace Labs N/A (DI) N/A | | -T | 3717 | al Number: | Seria | Dipper-T | Model: | Heron | Make: | el Meter | Water Lev |
| pH 7.00a | Ехр. | Lot# | Manufacturer | d Reading | Adjuste | Calibrate? | Pass/Fail | Range | Units | Check Value | Buffer |
| Del 10.00a 10.12 s.u. ±0.1 s.u. F Yes 10.00 MSI 024072-02 3/2 SC Zero (DI) O.0 μS/cm 0<25 μS/cm P NO N/A Pace Labs N/A (DI) N/A SC 2000 2010 μS/cm ±5% P NO Proactive 3GJ1438 Octoor Oc | 11/10/202 | 023310-01 | MSI | 00 | 4. | yes | F | ±0.1 s.u. | s.u. | 5.09 | pH 4.00a |
| SC Zero (DI) O . O µS/cm 0<25 µS/cm P NO N/A Pace Labs N/A (DI) N/A SC 2000 2010 µS/cm ±5% P NO Proactive 3GJ1438 Oct NORP 245 mV ±15 mV P NO In-Situ 4GJ0045 Juli-DO (Zero pt) O . O mg/L ±0.1 P NO Macron #000228049 8/2 DO (Saturated) 100 2¢ % 97-100% P NO Pace Labs N/A (DI) N/A (DI | 5/29/2026 | 024145-01 | MSI | 00 | 7. | yes | F | ±0.1 s.u. | s.u. | le.00 | pH 7.00a |
| SC 2000 2010 µS/cm ±5% P NO Proactive 3GJ1438 Oct ORP 2 45 mV ±15 mV P NO In-Situ 4GJ0045 Juli- DO (Zero pt) O . O mg/L ±0.1 P NO Macron #000228049 8/2 DO (Saturated) OO 2e % 97-100% P NO Pace Labs N/A (DI) N// Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification) Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# pH 4.00b 3.77 s.u. ±0.15 s.u. P NO Proactive 3GE1074 Ma pH 7.00b | 3/21/2026 | 024072-02 | MSI | 00 | 10. | yes | F | ±0.1 s.u. | s.u. | 10.12 | pH 10.00a |
| ORP 2 45 mV ±15 mV P NO In-Situ 4GJ0045 Juli- DO (Zero pt) O . O mg/L ±0.1 P NO Macron #000228049 8/2 DO (Saturated) OO 2e % 97-100% P NO Pace Labs N/A (DI) N/A Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification) Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# pH 4.00b 3.77 s.u. ±0.15 s.u. P NO Proactive 3GE1074 Manufacturer Ph 10.00b Proactive 3GE1074 Manufacturer North Ph 10.00b Proact | N/A (DI) | N/A (DI) | Pace Labs | /A | N | 20 | P | 0<25 μS/cm | μS/cm | 0.0 | SC Zero (DI) |
| DO (Zero pt) O . O mg/L ±0.1 P NO Macron #000228049 8/2 DO (Saturated) 100 2e % 97-100% P NO Pace Labs N/A (DI) N/A Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification) Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# pH 4.00b 3.77 s.u. ±0.15 s.u. F NO Proactive 3GE1074 Ma pH 7.00b ie 98 s.u. ±0.15 s.u. P NO Spectrum 2NA0056 Dec Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Time: 9: 17 Moderate Proactive 3GE1074 Ma Geotech 3GA1134 Jan SC 1000 D µs/cm ±5% P NO Spectrum 2NA0056 Dec Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# pH 4.00a 4.08 s.u. ±0.1 s.u. P NO N/A MSI 023310-01 11/ pH 7.00a 6.95 s.u. ±0.1 s.u. P NO MSI 024145-01 5/2 | Oct-24 | 3GJ1438 | Proactive | | 1 | 20 | P | ±5% | μS/cm | 2010 | SC 2000 |
| DO (Saturated) OO Ze | Jul-25 | 4GJ0045 | In-Situ | | | NO | P | ±15 mV | mV | 245 | ORP |
| Turbidity (DI) O O NTU <2 NTU P NO Pace Labs N/A (DI) N// Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification) Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# pH 4.00b 3.77 s.u. ±0.15 s.u. P NO Proactive 3GE1074 Ma pH 7.00b | 8/26/2025 | #000228049 | Macron | | | NO | P | ±0.1 | mg/L | 0.0 | DO (Zero pt) |
| Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification) Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# pH 4.00b 3.77 s.u. ±0.15 s.u. F H-00 Proactive 3GE1074 Ma pH 7.00b ie 98 s.u. ±0.15 s.u. P NO Proactive 3GE1252 Ma pH 10.00b 9.97 s.u. ±0.15 s.u. P NO Spectrum 2NA0056 Dec Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# pH 4.00a 4.08 s.u. ±0.1 s.u. P NO MSI 023310-01 11/2 pH 7.00a 6.95 s.u. ±0.1 s.u. P MSI 024145-01 5/2 | N/A (DI) | N/A (DI) | Pace Labs | | | 20 | P | 97-100% | % | 1002 | DO (Saturated) |
| ICV (Initial Calibration Verification) Time: 9:17 | N/A (DI) | N/A (DI) | Pace Labs | 7 | A | 20 | P | <2 NTU | | | |
| Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# pH 4.00b 3.77 s.u. ±0.15 s.u. F | | | | 7 | C | - | | ovification) | | | |
| pH 4.00b 3.77 s.u. ±0.15 s.u. Proactive 3GE1074 Map H 7.00b ie 98 s.u. ±0.15 s.u. Proactive 3GE1252 Map H 10.00b 9.97 s.u. ±0.15 s.u. Proactive 3GE1252 Map H 10.00b 9.97 s.u. ±0.15 s.u. Proactive 3GE1252 Map H 10.00b 9.97 s.u. ±0.15 s.u. Proactive 3GE1252 Map H 10.00b 9.97 s.u. ±0.15 s.u. Proactive 3GE1252 Map H 10.00b 9.97 s.u. ±0.15 s.u. Proactive 3GE1252 Map H 10.00b 9.97 s.u. ±0.15 s.u. Proactive 3GE1074 Map H 10.00b Proactiv | Exp. | Lot# | Manufacturer | | | | Pass/Fail | - | | | |
| pH 7.00b | May-25 | | | | 1 | yes) | | | | _ | |
| pH 10.00b 9.97 s.u. ±0.15 s.u. P | May-25 | | Proactive | | | No | P | | s.u. | le .98 | pH 7.00b |
| Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# pH 4.00a 4.08 s.u. ±0.1 s.u. P WO MA MSI 023310-01 11/ pH 7.00a 6.95 s.u. ±0.1 s.u. P MSI 024145-01 5/2 | Jan-25 | 3GA1134 | Geotech | | 0 | N | P | ±0.15 s.u. | s.u. | 9.97 | pH 10.00b |
| CCV (Continued Calibration Verification): Time: 15:10 | Dec-25 | 2NA0056 | Spectrum | | 0 | N | P | ±5% | μS/cm | 1010 | SC 1000 |
| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# pH 4.00a 4.08 s.u. ±0.1 s.u. P MSI 023310-01 11/ pH 7.00a 1.0 0.5 s.u. ±0.1 s.u. P MSI 024145-01 5/2 | | | | | | | | | | | |
| pH 4.00a 4.08 s.u. ±0.1 s.u. P 70 N/A MSI 023310-01 11/ pH 7.00a 6.95 s.u. ±0.1 s.u. P MSI 024145-01 5/2 | | | | | | | lp /= 1 | | | | |
| pH 7.00a 6.95 s.u. ±0.1 s.u. P MSI 024145-01 5/2 | Exp. 11/10/202 | | | 1/4 | Adjuste | | | | | | |
| 10 06 | 5/29/2026 | | | 0 | | | | | | | |
| | 3/21/2026 | | | | | | P | | | | |
| SC 1000 | Dec-25 | | Spectrum | | | | P | | μS/cm | 1020 | SC 1000 |
| DO (Zero pt) 0 - O mg/L ±0.1 mg/L P Macron #000228049 8/2 | 8/26/2025 | #000228049 | Macron | | | | | ±0.1 mg/L | mg/L | 0.0 | DO (Zero pt) |
| | N/A (DI) | N/A (DI) | Pace Labs | T | , | 4 | 9 | <2 NTU | | | |
| Approx. every 8 hrs, unless only one well Comments: | | | | | | | | | e well | s, unless only on | |

| Field Personnel: | J0 | | | | Location: | Duck Creek | d | | |
|-------------------------|-------------------|---------------|--------------------|------------|--------------|------------------|---------------------|-------------------|-------------------|
| Weather: | 36 - 70°F | m, 520 | wind SSE | 7-15-1 | Environment: | grass, woods | | | |
| Multiparamete | | | Aquetroll | Model: | | Serial Number: | | 5 | |
| Water Lev | el Meter | Make: | Heron | Model: | 1).914-1 | Serial Number: | 11== 22 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | Adjusted Reading | | Lot# | Exp. |
| pH 4.00a | 4.18 | s.u. | ±0.1 s.u. | F | Y | 4.00 | MSI | 023310-01 | 11/10/202 |
| pH 7.00a | 6,97 | s.u. | ±0.1 s.u. | p | N | NA | MSI | 024145-01 | 5/29/2026 |
| pH 10.00a | 10,06 | s.u. | ±0.1 s.u. | | | | MSI | 024072-02 | 3/21/2026 |
| SC Zero (DI) | 2.89 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2027,1 | μS/cm | ±5% | | | | Proactive | 3GJ1438 | Oct-24 |
| ORP | 241.6 | mV | ±15 mV | | | | In-Situ | 4GJ0045 | Jul-25 |
| OO (Zero pt) | 0.07 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| OO (Saturated) | 99,25 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| Furbidity (DI) | 0.00 | NTU | <2 NTU | 1 | L | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 hr | (Initial Calibr | | erification) | | Time: | 0730 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | | n Taken? | Manufacturer | Lot# | Exp. |
| oH 4.00b | 4,05 | s.u. | ±0.15 s.u. | p | NI | 1 | Proactive | 3GE1074 | May-25 |
| oH 7.00b | 6,86 | s.u. | ±0.15 s.u. | | 1 | | Proactive | 3GE1252 | May-25 |
| oH 10.00b | 9,96 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 1019,2 | μS/cm | ±5% | 1 | 1 | | Spectrum | 2NA0056 | Dec-25 |
| Approx. every 8 hr | | | | | | | | | |
| CCV (Continue Buffer | Check Value | | | Dana (5-1) | Time: | 1540 | M 6 : | | |
| oH 4.00a | 4.03 | Units s.u. | Range ±0.1 s.u. | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer MSI | Lot# 023310-01 | Exp. 11/10/202 |
| oH 7.00a | 7.01 | s.u. | ±0.1 s.u. | 1 | Î | 1 | MSI | 024145-01 | 5/29/2026 |
| H 10.00a | 10.06 | s.u. | ±0.1 s.u. | | | | MSI | 024072-02 | 3/21/2026 |
| C 1000 | 1030,6 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 0,09 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | |
| urbidity (DI) | 0.00 | NTU | <2 NTU | 4 | 1 | 1 | Pace Labs | N/A (DI) | N/A (DI) |
| pprox. every 8 hr | s, unless only on | e well | | | | | | | |
| Comments: | | | | | | | | | |
| | fin | | | | | The state of | | - 2- 7 | |

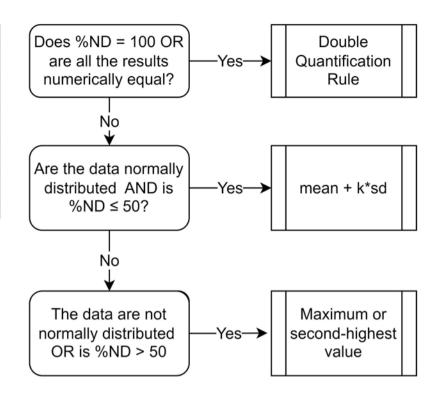
| pH 4.00a 4.01 s.u. ±0.1 s.u. 20.1 s.u. MSI 023310-01 11/10/21 pH 10.00a 9.99 s.u. ±0.1 s.u. MSI 024145-01 5/29/20 SC Zero (DI) 0.0 μS/cm 0-25 μS/cm Pace Labs N/A (DI) N/A | | iviait | ipui | umeter n | vietei | rieia ca | alibration | _ | | |
|---|------------------|-------------------|--------|------------|-----------|--------------|------------------|--------------|------------|------------|
| Multiparameter Water Meter Make: Horizon Model: Horizon Hor | Field Personnel: | MALE | 30 | ESILE | | Location: | DUCKY | CREE | K | |
| Water Level Meter | Weather: | 44° Son | NY | 4MAH E | SE | Environment: | 0 | | | |
| Buffer Check Value Units Range Pass/Fall Calibrate? Adjusted Reading Manufacturer Lot# Exp. pH 4.00a | Multiparamete | r Water Meter | Make: | HORIEA | Model: | U5000 | Serial Number | AGJ7 | K4X | G |
| pH 4.00a | Water Lev | vel Meter | Make: | Jazzost | Model: | WT | Serial Number | 334 | 159 | |
| PH 7.00a P - 90 S.U. ±0.1 S.U. ±0.1 S.U. MSI 0.24145-01 5/29/20. PH 10.00a P - 99 S.U. ±0.1 S.U. ±0.1 S.U. MSI 0.24072-02 3/21/20. SC Zero (DI) O. O | Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| MSI 024072-02 3/21/202 3 | pH 4.00a | 4.01 | s.u. | ±0.1 s.u. | Pass | 100 | NA | MSI | 023310-01 | 11/10/2025 |
| SC Zero (DI) | pH 7.00a | 7.00 | s.u. | ±0.1 s.u. | 1 | - 1 | 1 | MSI | 024145-01 | 5/29/2026 |
| SC 2000 | pH 10.00a | 9.99 | s.u. | ±0.1 s.u. | | | | MSI | 024072-02 | 3/21/2026 |
| DO (Zero pt) | SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| DO (Zero pt) | SC 2000 | 2000 | μS/cm | ±5% | | | | Proactive | 3GJ1438 | Oct-24 |
| DO (Saturated) | ORP | 232 | mV | ±15 mV | | | | In-Situ | 4GJ0045 | Jul-25 |
| Turbidity (DI) Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification) Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Exp. pH 4.00b | DO (Zero pt) | 0,0 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| Approx. every 8 hrs, unless only one well ICV (Initial Calibration Verification) Buffer | DO (Saturated) | 98 | % | 97-100% | | | | Pace Labs | N/A (DI) | N/A (DI) |
| CV (Initial Calibration Verification) Time: | | | | <2 NTU | | 1 | | Pace Labs | N/A (DI) | N/A (DI) |
| Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Exp. pH 4.00b 4.00 s.u. ±0.15 s.u. Proactive 3GE1074 May-25 pH 7.00b 7.02 s.u. ±0.15 s.u. Geotech 3GA1134 Jan-25 SC 1000 998 μS/cm ±5% Spectrum 2NA0056 Dec-25 Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Time: /504 Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. pH 4.00a 4.02 s.u. ±0.1 s.u. MSI 023310-01 11/10/20 pH 7.00a (0.00 s.u. ±0.1 s.u. MSI 024145-01 5/29/202 pH 10.00a (0.00 s.u. ±0.1 s.u. MSI 024072-02 3/21/202 SC 1000 //OO μS/cm ±5% Spectrum 2NA0024 Dec-25 DO (Zero pt) 0 mg/L ±0.1 mg/L Pace Labs N/A (DI) N/A (DI) N/A (DI) N/A (DI) | | | | | | | | 1 | | |
| pH 4.00b \$\mathcal{L}_{\infty} \omega_{\infty} \omega | | | | | Dogs/Fail | | | Manufactura | 1 - 1 # | - |
| pH 7.00b Γοο Ω s.u. ±0.15 s.u. Proactive 3GE1252 May-25 pH 10.00b / Ο . Ο . σ. ω. ±0.15 s.u. Geotech 3GA1134 Jan-25 SC 1000 998 μS/cm ±5% Spectrum 2NA0056 Dec-25 Approx. every 8 hrs, unless only one well CCV (Continued Calibration Verification): Time: /504 Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. pH 4.00a 4.0.2 s.u. ±0.1 s.u. MSI 023310-01 11/10/20 pH 10.00a 6.0.9 s.u. ±0.1 s.u. MSI 024072-02 3/21/202 SC 1000 6.0.0 μS/cm ±5% Spectrum 2NA0024 Dec-25 DO (Zero pt) 6.0.0 MS/cm ±0.1 mg/L Macron #0000228049 8/26/202 Turbidity (DI) 7.0.0 NTU <2 NTU | | | | | 100 | | II Takenr | | | |
| pH 10.00b / O | | | | | 1 | 1 | | | | |
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| Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. pH 4.00a 4.02 s.u. ±0.1 s.u. MSI 023310-01 11/10/20 pH 7.00a 6.99 s.u. ±0.1 s.u. MSI 024145-01 5/29/202 pH 10.00a 10.00 s.u. ±0.1 s.u. MSI 024072-02 3/21/202 SC 1000 μS/cm ±5% Spectrum 2NA0024 Dec-25 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/202 Turbidity (DI) NTU <2 NTU | | | | | | | | | | |
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| pH 7.00a | Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| pH 10.00a | pH 4.00a | 4.02 | s.u. | ±0.1 s.u. | PASS | NO | MA | MSI | 023310-01 | 11/10/2025 |
| SC 1000 / C C μS/cm ±5% Spectrum 2NA0024 Dec-25 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/202 Turbidity (DI) Pace Labs N/A (DI) N/A (DI) | pH 7.00a | 6.99 | s.u. | ±0.1 s.u. | | | | MSI | 024145-01 | 5/29/2026 |
| DO (Zero pt) | рН 10.00а | 10.00 | s.u. | ±0.1 s.u. | | | | MSI | 024072-02 | 3/21/2026 |
| Turbidity (DI) Pace Labs N/A (DI) N/A (DI) | SC 1000 | 1000 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| | DO (Zero pt) | 0.0 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| | | | | <2 NTU | - | | | Pace Labs | N/A (DI) | N/A (DI) |
| Approx. every 8 hrs, unless only one well Comments: | | s, unless only on | e well | | | | | | | |

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|-------------------------------------|---------------------|----------------|--------------|-----------|--------------|------------------|--------------|------------|-----------|
| Weather | 64-490 M | stly su | nny Wind | 3 mon SW | Environment: | antil 6 | Cassy | | |
| Multiparamete | er Water Meter | Make: | Horiba | Model: | U-5000 | Serial Number | 1 | KtXG | - |
| Water Le | vel Meter | Make: | WT | Model: | Herron | Serial Number | 19FF2 | 202 13 | INL |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| pH 4.00a | 4.06 | s.u. | ±0.1 s.u. | P | N | NA | MSI | 023219-02 | 8/9/2025 |
| pH 7.00a | 7.03 | s.u. | ±0.1 s.u. | | | | MSI | 023334-01 | 12/7/2025 |
| pH 10.00a | 10,08 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| SC Zero (DI) | 0.0 | μS/cm | 0<25 μS/cm | | | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2050 | μS/cm | ±5% | 1 | | | Proactive | 3GJ1438 | Oct-24 |
| ORP | 245 | mV | ±15 mV | | | | Reagents | 8406644 | Apr-25 |
| DO (Zero pt) | 000 | mg/L | ±0.1 | | | | Macron | #000228049 | 8/26/2025 |
| DO (Saturated) | 98.6 | % | 97-100% | 4 | | | Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) Approx. every 8 h | ors, unless only or | NTU ne well | <2 NTU | 1 | + | <u></u> | Pace Labs | N/A (DI) | N/A (DI) |
| | (Initial Calibr | | erification) | | Time: | 2941 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Actio | n Taken? | Manufacturer | Lot# | Ехр. |
| pH 4.00b | 3,98 | s.u. | ±0.15 s.u. | P | N | | Proactive | 3GE1074 | May-25 |
| pH 7.00b | 7.02 | s.u. | ±0.15 s.u. | | | | Proactive | 3GE1252 | May-25 |
| pH 10.00b | 10.04 | s.u. | ±0.15 s.u. | | | | Geotech | 3GA1134 | Jan-25 |
| SC 1000 Approx. every 8 h | (020 | μS/cm | ±5% | 1+ | 1 | | Spectrum | 2NA0024 | Dec-25 |
| CCV (Continue | | | ation): | | Time: | 1435 | 1 | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Exp. |
| oH 4.00a | 4.018 | s.u. | ±0.1 s.u. | P | N | N/K | MSI | 023219-02 | 8/9/2025 |
| oH 7.00a | 7.06 | s.u. | ±0.1 s.u. | | | | MSI | 023334-01 | 12/7/2025 |
| oH 10.00a | 0001 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| SC 1000 | 1010 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| OO (Zero pt) | 0.0 | mg/L | ±0.1 mg/L | - | | | Macron | #000228049 | 8/26/2025 |
| Furbidity (DI) Approx. every 8 h | Ø / Ø | NTU | <2 NTU | - | + | | Pace Labs | N/A (DI) | N/A (DI) |
| Comments: | o, unicos Offiy Of | - Mell | | | | | | | |
| | ann | ΛΛΛ | 150 | | | 28-Oct- | A 1 | | |

| Field Personnel | Austi | 1/ | Voore | | Location: | Duck Cree | KIEL | wilds P | nues st |
|-------------------|--------------------|--------|------------|-----------|--------------|------------------|--------------|------------|-----------|
| Weather | 82°-650 MOS | fly 5 | 100 | lbmph | Environment: | |) | | |
| Multiparamete | er Water Meter | Make: | Horiba | Model: | V-5000 | Serial Number: | AGJT | KtX | 6 |
| Water Le | vel Meter | Make: | WT | Model: | Herron | Serial Number: | 19FF2 | 202/3 | IML |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| oH 4.00a | 3,58 | s.u. | ±0.1 s.u. | - | Y | 3.95 | MSI | 023219-02 | 8/9/2025 |
| oH 7.00a | 704 | s.u. | ±0.1 s.u. | P | 1 | | MSI | 023334-01 | 12/7/2025 |
| Н 10.00а | 10.03 | s.u. | ±0.1 s.u. | P | N | | MSI | 024037-01 | 2/21/2026 |
| C Zero (DI) | 0,0 | μS/cm | 0<25 μS/cm | P | N | | Pace Labs | N/A (DI) | N/A (DI) |
| SC 2000 | 2010 | μS/cm | ±5% | P | N | | Proactive | 3GJ1438 | Oct-24 |
| ORP | 238 | mV | ±15 mV | p | N | | Reagents | 8406644 | Apr-25 |
| OO (Zero pt) | 0.0 | mg/L | ±0.1 | P | N | | Macron | #000228049 | 8/26/2025 |
| OO (Saturated) | 99,2 | % | 97-100% | P | 1/ | (| Pace Labs | N/A (DI) | N/A (DI) |
| Turbidity (DI) | 0.0 | NTU | <2 NTU | p | N | / | Pace Labs | N/A (DI) | N/A (DI) |
| | rs, unless only or | | | | | N ald | 1 | | |
| Buffer | (Initial Calibr | Units | Range | Pass/Fail | Time: | n Taken? | Manufacturer | Lot# | Exp. |
| oH 4.00b | 3.72 | s.u. | ±0.15 s.u. | F | y 4, | 80 | Proactive | 3GE1074 | Мау-25 |
| oH 7.00b | 7,23 | s.u. | ±0.15 s.u. | F | y 7, | 00 | Proactive | 3GE1252 | May-25 |
| oH 10.00b | 10.46 | s.u. | ±0.15 s.u. | F | y O | 90 | Geotech | 3GA1134 | Jan-25 |
| SC 1000 | 975 | μS/cm | ±5% | P | N | | Spectrum | 2NA0024 | Dec-25 |
| Approx. every 8 h | rs, unless only on | e well | | | 1.4 | 1 0 | | | 200 23 |
| | ed Calibration | _ | | | Time: | 1600 | | | |
| Buffer | Check Value | Units | Range | Pass/Fail | Calibrate? | Adjusted Reading | Manufacturer | Lot# | Ехр. |
| H 4.00a | 4.03 | s.u. | ±0.1 s.u. | P | N | | MSI | 023219-02 | 8/9/2025 |
| H 7.00a | 7.02 | s.u. | ±0.1 s.u. | | | | MSI | 023334-01 | 12/7/2025 |
| H 10.00a | 10.02 | s.u. | ±0.1 s.u. | | | | MSI | 024037-01 | 2/21/2026 |
| SC 1000 | 1010 | μS/cm | ±5% | | | | Spectrum | 2NA0024 | Dec-25 |
| O (Zero pt) | 0.0 | mg/L | ±0.1 mg/L | | | | Macron | #000228049 | 8/26/2025 |
| urbidity (DI) | 0.0 | NTU | <2 NTU | + | | | Pace Labs | N/A (DI) | N/A (DI) |
| approx, every 8 h | rs, unless only on | e well | | | | | | | |

APPENDIX B STATISTICAL METHODOLOGY FOR DETERMINATION OF BACKGROUND VALUES

Notes %ND = Percent non-detected samples sd = standard deviation k = kappa for site-wide false positive rate (SWFPR) SWFPR = 0.1



When data are not normally distributed or %ND > 50, the maximum value is used if the background sample size is < 60. Where the background sample size is \geq 60, the achievable per-constituent false positive rates for the maximum and second-highest background values will be compared, and the background value with the achievable per-constituent false positive rate that is closest to, but does not exceed, the target per-constituent false positive rate of 0.015% is used.



APPENDIX C ALTERNATIVE SOURCE DEMONSTRATIONS

Intended for

Illinois Power Resources Generating, LLC

Date

April 16, 2024

Project Number

1940106781-005

40 C.F.R. § 257.94(E)(2): ALTERNATIVE SOURCE DEMONSTRATION DUCK CREEK POWER PLANT LANDFILL CCR UNIT 204

CERTIFICATIONS

I, Nicole M. Pagano, a qualified professional engineer in good standing in the State of Illinois, certify that the information in this report is accurate as of the date of my signature below. The content of this report is not to be used other than for its intended purpose and meaning, or for extrapolations beyond the interpretations contained herein.

Nicole M. Pagano

Qualified Professional Engineer

062-075632

Illinois

Ramboll Americas Engineering Solutions, Inc.

Date: April 16, 2024



I, Chase J. Christenson, a professional geologist in good standing in the State of Illinois, certify that the information in this report is accurate as of the date of my signature below. The content of this report is not to be used other than for its intended purpose and meaning, or for extrapolations beyond the interpretations contained herein.

Chase J. Christenson Professional Geologist

196.001467 Illinois

Ramboll Americas Engineering Solutions, Inc.

Date: April 16, 2024



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TABLES (IN TEXT)

Table A Summary Statistics for Boron and Sulfate Concentrations in Compliance and Leachate Wells (December 2015 to July 2023) with D13 SSIs.

FIGURES (IN TEXT)

Figure A Piper Diagram Showing Ionic Composition of Groundwater Samples and Leachate Associated with the Landfill. Figure B Piper Diagram Showing Ionic Composition of Groundwater Downgradient of Reclaimed

Surface Coal Mines in High-Sulfur Coal Regions (Modified from USGS).

FIGURES (ATTACHED)

Sampling Locations and Potentiometric Surface Map - July 17, 2023 Figure 1

Figure 2 Coal Mine Coverage Area

APPENDICES

Appendix A Supporting Groundwater Analytical Data

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

ASD Alternative Source Demonstration

bgs below ground surface
CCR coal combustion residuals
CCR Rule 40 C.F.R. § 257 Subpart D
D13 Detection Monitoring Round 13

DCPP Duck Creek Power Plant

EPRI Electric Power Research Institute

LOEs Line of Evidence mg/L milligrams per liter

NAVD88 North American Vertical Datum of 1988

NRT/OBG Natural Resource Technology, an OBG Company Ramboll Ramboll Americas Engineering Solutions, Inc.

SSI Statistically Significant Increase

UA Uppermost Aquifer UPL Upper Prediction Limit

USGS United States Geological Survey

1. INTRODUCTION

Title 40 of the Code of Federal Regulations (40 C.F.R.) § 257.94(e)(2) allows the owner or operator of a coal combustion residuals (CCR) unit 90 days from the date of determination of Statistically Significant Increases (SSIs) over background for groundwater constituents listed in Appendix III of 40 C.F.R. § 257 to complete a written demonstration that a source other than the CCR unit being monitored caused the SSIs), or that the SSIs resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality (Alternative Source Demonstration [ASD]).

This ASD has been prepared on behalf of Illinois Power Resources Generating, LLC by Ramboll Americas Engineering Solutions, Inc. (Ramboll) to provide pertinent information pursuant to 40 C.F.R. § 257.94(e)(2) for the Duck Creek Power Plant (DCPP) Landfill located near Canton, Illinois.

The thirteenth semi-annual detection monitoring samples (Detection Monitoring Round 13 [D13]) were collected between July 18 and July 25, 2023, and analytical data were received on October 19, 2023. In accordance with 40 C.F.R. § 257.93(h)(2), statistical analysis of the data to identify SSIs of 40 C.F.R. § 257 Subpart D (CCR Rule) Appendix III parameters over background concentrations was completed by January 17, 2024, within 90 days of receipt of the analytical data. The statistical determination identified the following SSIs at compliance monitoring wells:

- pH at well G12S and G15S
- Calcium at well G06S

In accordance with the Multi-Site Statistical Analysis Plan (Ramboll, 2022), all wells with SSIs were resampled. Following evaluation of analytical data from the resample event, the following SSIs remained:

- pH at well G12S
- · Calcium at well G06S

Pursuant to 40 C.F.R. § 257.94(e)(2), the following lines of evidence (LOEs) demonstrate that sources other than the Landfill were the cause of the SSIs listed above. This ASD was completed by April 16, 2024, within 90 days of determination of the SSIs (January 17, 2024), as required by 40 C.F.R. § 257.94(e)(2).

2. BACKGROUND

2.1 Site Location and Description

The DCPP is in Fulton County, located in central Illinois, approximately 9 miles southeast of the town of Canton. The Landfill is located approximately 3.5 miles north of the power plant. Surface waters in the area include the Duck Creek Cooling Pond to the east, which was used as a source of cooling water for the plant, and various small ponds, some of which are remnants of the area's surface mining history. Prior to construction of the power plant and associated facilities, strip mining of coal took place within the boundaries of the DCPP, specifically on land in the immediate vicinity of the Landfill.

2.2 Description of Landfill CCR Unit

The Landfill has a permitted "in-place" disposal capacity of approximately 10,051,700 cubic yards and an estimated life of 61 years. The overall facility is 169 acres, of which 106 acres are permitted as a single waste disposal unit. The maximum final elevation will be approximately 708 feet North American Vertical Datum of 1988 (NAVD88). The Landfill has a compacted clay earth and synthetic geomembrane liner combined with leachate drainage, collection, and management systems. Historically, the facility received CCR and flue gas desulfurization waste as well as contaminated sediments and riprap generated by closure of the former Recycle Pond at the DCPP. CCR from the Edwards Power Plant was also disposed in the Landfill.

Strip mining has occurred in this area since the 1930s. Strip mining in the site vicinity extracted coal from the Springfield (No. 5) coal seam. Mining operations in the area have ceased. Strip mining has completely disrupted the natural stratigraphy down to the Springfield (No. 5) coal unit at some portions of the DCPP property. The Landfill is located immediately adjacent to and downgradient of several former large surface mining areas.

2.3 Geology and Hydrogeology

The DCPP geologic and hydrogeologic setting summarized below is obtained from published sources, hydrogeologic investigation data, and boring data collected during previous site investigations (Natural Resource Technology, an OBG Company [NRT/OBG], 2017; Ramboll, 2021).

Regionally, the DCPP is positioned on the glacial uplands above the Illinois River in the Ancient Illinois Floodplain of the Till Plains Section of the Central Lowland Province. The undisturbed unlithified materials consist of loess, diamictons, and lacustrine/alluvial deposits. The area is flat to gently rolling uplands that are dissected by deeply incised streams that are tributaries to major river systems. The three distinct hydrostratigraphic units summarized below have been identified at the Landfill based on stratigraphic relationships and common hydrogeologic characteristics:

Several large former surface coal mines are present in the vicinity; unlithified materials are present in the excavated strip mine spoils and have been mixed due to the surface mining activities. Mining operations in the area have ceased.

The uppermost bedrock stratum in the area is the Carbondale Formation of the Kewanee Group of the Pennsylvanian System. Bedrock in the area is identified as Pennsylvanian-age shale deposits and occurs within approximately 50 feet of the ground surface in this area.

Quaternary deposits in the Canton area consist mainly of loess, diamictons, and lacustrine/alluvial deposits that were deposited during Illinoian and Wisconsinian glaciations. The three distinct hydrostratigraphic units summarized below have been identified at the Landfill based on stratigraphic relationships and common hydrogeologic characteristics:

- **Uppermost Aquifer (UA):** At the Landfill, this unit includes the Peoria/Roxana Loess, the upper Radnor Till, and the shallow sands. These units are hydraulically connected and underlain by a thick till sequence of the Radnor Till (NRT/OBG, 2017). While the primary migration pathway is the shallow sand of the UA, the groundwater within the overlying Peoria/Roxanna Loess has the potential to be impacted and is considered a potential migration pathway.
- Lower Radnor Till/Lower Confining Unit: Underlying the UA, the lower Radnor Till is approximately 42 to 58 feet thick. Previous hydrogeologic studies indicate discontinuous sand lenses observed within the till are not hydraulically connected to the shallow sand unit (NRT/OBG, 2017).
- Bedrock Confining Unit: The thick and low permeability shaley siltstone, silty shale, and coal beds of the Carbondale Formation, are estimated to have a thickness of approximately 300 to 400 feet.

Groundwater elevations (referenced to NAVD88) in the Uppermost Aquifer across the Landfill are shown on **Figure 1**. Groundwater elevations were measured on July 17, 2023, during a combined D13 sampling event at the DCPP for the CCR units located there, and for multiple monitoring programs required by both federal and state regulatory agencies. Groundwater elevations ranged from 598.27 to 613.92 feet and overall groundwater flow within the Uppermost Aquifer under the Landfill was west to east with components of flow to the northeast and southeast.

2.4 Groundwater Monitoring

The CCR Rule groundwater monitoring system for the Landfill is shown on **Figure 1**. Monitoring wells G02S and G04S are used to monitor background groundwater quality for the Landfill. These wells are located south (G02S) and southwest (G04S) of the Landfill. The compliance wells are G06S, G09S, G12S, and G15S.

3. ALTERNATIVE SOURCE DEMONSTRATION: LINES OF EVIDENCE

As allowed by 40 C.F.R. § 257.94(e)(2), this ASD demonstrates that sources other than the Landfill (the CCR unit) caused the SSIs. LOEs supporting this ASD include the following:

- 1. Concentrations of boron and sulfate in G06S and G12S do not exceed background limits.
- 2. The major ion composition of Landfill groundwater is similar to background and distinct from Landfill leachate.
- 3. Proximity of the Landfill to historical mining activity and related groundwater quality impacts.

These LOEs are described and supported in greater detail below.

3.1 LOE #1: Concentrations of Boron and Sulfate in G06S and G12S do not Exceed Background Limits

Boron and sulfate are indicators of CCR impacts to groundwater due to their leachability from CCR, low occurrence as an anthropogenic contaminant, and mobility in groundwater (Electric Power Research Institute [EPRI], 2012). Leachate samples collected from the Landfill have elevated boron and sulfate concentrations, indicating that these parameters are site-specific indicators for CCR. If the groundwater downgradient of the Landfill had been impacted by CCR from the unit, boron and sulfate would be expected to be elevated above background Upper Prediction Limits (UPLs). The UPL is an upper bound on background concentrations calculated for comparing compliance well concentrations to background. Concentrations of boron and sulfate in compliance monitoring wells G06S and G12S, which had D13 SSIs for calcium and pH, respectively, have been consistently below their respective UPLs throughout the period of monitoring for 40 CFR § 257 as summarized in **Table A** below.

Table A. Summary Statistics for Boron and Sulfate Concentrations in Compliance and Leachate Wells (December 2015 to July 2023) with D13 SSIs.

| Location | Location Type | Boron (UPL=0.157 mg/L) | | Sulfate (UPL=330 mg/L) | |
|----------|------------------|---------------------------|---------|---------------------------|---------|
| | | Minimum | Maximum | Minimum | Maximum |
| G06S | Compliance | < 0.017 | 0.14 | 40 | 140 |
| G12S | Compliance | < 0.010 | 0.077 | 78 | 100 |
| L103 | Leachate | 9.8 | 20.0 | 1,200 | 3,500 |

mg/L = milligrams per liter

Concentrations of boron and sulfate below their respective UPLs in compliance monitoring wells G06S and G12S indicate these wells have not been affected by CCR impacts from the Landfill. Therefore, the Landfill is not the source of the SSIs. Analytical data to support this LOE are included in **Appendix A**.

3.2 LOE #2: The Major Ion Composition of Landfill Groundwater is Similar to Background and Distinct From Landfill Leachate

Piper diagrams graphically represent the major ion composition of aqueous solutions. A Piper diagram displays the position of water samples relative to their major cation and anion content on the two lower triangular portions of the diagram, providing the information which, when combined on the central, diamond-shaped portion of the diagram, identifies the compositional categories or groupings (hydrochemical facies). **Figure A** on the following page is a Piper diagram that displays the ionic composition of groundwater samples from the background and compliance wells associated with the Landfill, as well as leachate. A Leachate sample was collected from the leachate riser, L103, during the D13 sampling event. Wells with exceedances, G06S and G12S, are circled in red.

It is evident from the Piper diagram that the background (brown symbols) and compliance wells (blue symbols) are in the calcium-bicarbonate hydrochemical facies and that the landfill leachate (green symbol) is in the sodium-sulfate facies. The ionic composition of the background and compliance wells demonstrate strong similarity. Additionally, the ionic compositions of the Landfill background and compliance groundwater and the Landfill leachate are dissimilar. Together, the similarity of background and compliance groundwater ionic composition and the differences between groundwater and leachate indicate that the Landfill is not the source of SSIs identified in groundwater.

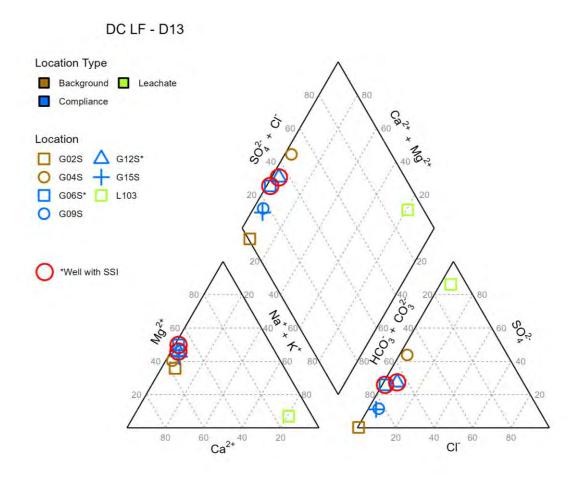


Figure A. Piper Diagram Showing Ionic Composition of Groundwater Samples and Leachate Associated with the Landfill.

3.3 LOE #3: Proximity of the Landfill to Historical Mining Activity and Related Groundwater Quality Impacts

The area surrounding the Landfill consists primarily of unmined coal and reclaimed surface mine land. The extent of nearby surface mines is shown in the attached **Figure 2**. The coal in the area varies in depth from 0 to 50 feet below ground surface (bgs). The CCR Rule groundwater monitoring wells for the Landfill are screened between 25 and 45 feet bgs. Potentiometric data indicates that groundwater flows from west to east as shown on the attached **Figure 1**. The CCR monitoring wells are located approximately 100 to 1,000 feet east (downgradient) of the nearby surface mines along the western, northern, and eastern boundaries of the Landfill (**Figure 2**).

A study of groundwater quality near surface coal mines, performed by the United States Geological Survey (USGS, 2006), provides data on the effects of mines on groundwater quality. The study evaluated regional differences in ionic composition of groundwater in unmined and mined areas using Piper diagrams (**Figure B** below). Groundwater samples collected from wells downgradient of

the reclaimed mine areas in the study ranged from primarily calcium-magnesium carbonate-bicarbonate type (calcium-bicarbonate hydrochemical facies) to a lesser amount of calcium-magnesium sulfate type (calcium sulfate hydrochemical facies). The calcium-bicarbonate groundwater documented in the vicinity of reclaimed surface coal mines is similar to the ionic composition of groundwater samples collected from background and downgradient groundwater monitoring wells at the Landfill.

State of Illinois groundwater quality regulations (Title 35 of the Illinois Administrative Code [35 I.A.C.] § 620 - Groundwater Quality) acknowledge that water quality is adversely affected in areas where coal mining activity has occurred. The groundwater quality standards for total dissolved solids, chloride, iron, manganese, sulfate, and pH within previously mined areas are the existing concentrations of these constituents in groundwater (35 I.A.C. § 620.440c).

The proximity of the Landfill to historic coal mining activity and similarities in the ionic composition of groundwater in areas of reclaimed surface coal mines and in the Landfill groundwater samples demonstrate that historic mining activity has affected groundwater quality at the Landfill.

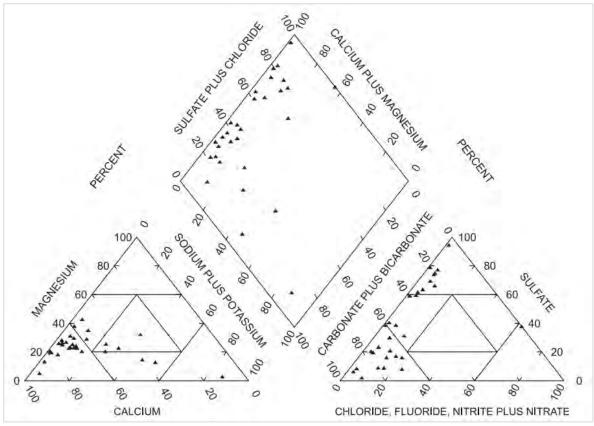


Figure B. Piper Diagram Showing Ionic Composition of Groundwater Downgradient of Reclaimed Surface Coal Mines in High-Sulfur Coal Regions (Modified from USGS).

4. CONCLUSIONS

Based on the three LOEs below and described in the previous section, it has been demonstrated that the Landfill is not the source of the calcium and pH SSIs at downgradient monitoring wells G06S and G12S, respectively.

- 1. Concentrations of boron and sulfate in G06S and G12S do not exceed background limits.
- 2. The major ion composition of Landfill groundwater is similar to background and distinct from Landfill leachate.
- 3. Proximity of the Landfill to historical mining activity and related groundwater quality impacts.

This information serves as the written ASD prepared in accordance with 40 C.F.R. § 257.94(e)(2) that the SSIs observed during D13 were not due to the Landfill. Therefore, an Assessment Monitoring Program is not required, and the Landfill will remain in detection monitoring.

5. 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.

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Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Hydrogeologic Site*Characterization Report. Duck Creek Power Plant, Gypsum Management Facility Pond, Canton,

Illinois. Illinois Power Resources Generating, LLC. October 25, 2021.

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United States Geological Survey (USGS), 2006. Ground-Water Quality in Unmined Areas and Near Reclaimed Surface Coal Mines in the Northern and Central Appalachian Coal Regions, Pennsylvania and West Virginia, Scientific Investigations Report 2006-5059, US Geological Survey.

FIGURES



COMPLIANCE MONITORING WELL

MONITORING WELL

150

BACKGROUND MONITORING WELL CCR SOURCE WATER SAMPLE

GROUNDWATER ELEVATION CONTOUR (5-FT CONTOUR INTERVAL, NAVD88) INFERRED GROUNDWATER ELEVATION GROUNDWATER FLOW DIRECTION

SAMPLING LOCATIONS AND POTENTIOMETRIC SURFACE MAP **JULY 17, 2023**

ALTERNATIVE SOURCE DEMONSTRATION LANDFILL (UNIT ID: 204) DUCK CREEK POWER PLANT CANTON, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.



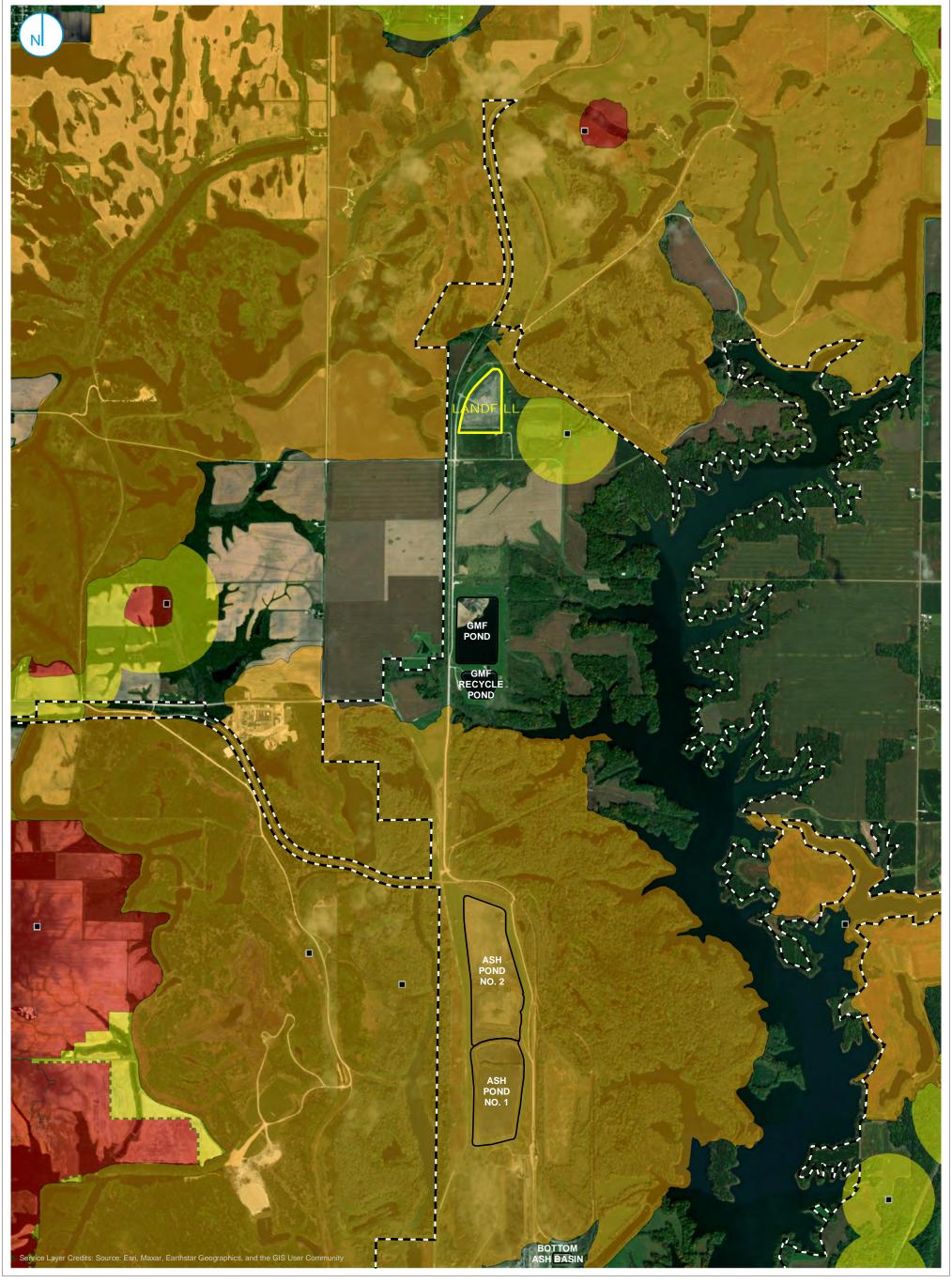
PROPERTY BOUNDARY

REGULATED UNIT (SUBJECT UNIT)

LELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
 ELEVATIONS IN BRACKETS WERE OBTAINED OUTSIDE OF THE
 4 HOUR PERIOD FROM INITIATION OF DEPTH TO GROUNDWATER

MEASUREMENTS BUT WITHIN THE SAME SAMPLING EVENT.

J Feet 3. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).



■ COAL MINE SHAFT

SURFACE COAL MINE

UNDERGROUND COAL MINE

UNDERGROUND MINE BUFFER REGION

____ Feet

REGULATED UNIT (SUBJECT UNIT)

SITE FEATURE

PROPERTY BOUNDARY

1,000 2,000

COAL MINE COVERAGE AREA

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.



FIGURE 2

APPENDICES

APPENDIX A. SUPPORTING GROUNDWATER ANALYTICAL DATA 40 C.F.R. § 257: ALTERNATIVE SOURCE DEMONSTRATION DUCK CREEK POWER PLANT

LANDFILL CANTON, IL

| CANTON, IL | T | | Ī | 1 | 1 |
|------------|------------|------------|----------------|--------|------|
| Well ID | Well Type | Date | Parameter | Result | Unit |
| G06S | Compliance | 12/03/2015 | Boron, total | 0.140 | mg/L |
| G06S | Compliance | 02/04/2016 | Boron, total | 0.0460 | mg/L |
| G06S | Compliance | 04/20/2016 | Boron, total | 0.0460 | mg/L |
| G06S | Compliance | 08/18/2016 | Boron, total | 0.0220 | mg/L |
| G06S | Compliance | 10/19/2016 | Boron, total | 0.0190 | mg/L |
| G06S | Compliance | 01/12/2017 | Boron, total | 0.0250 | mg/L |
| G06S | Compliance | 04/22/2017 | Boron, total | 0.0170 | mg/L |
| G06S | Compliance | 06/28/2017 | Boron, total | 0.0280 | mg/L |
| G06S | Compliance | 11/11/2017 | Boron, total | 0.0180 | mg/L |
| G06S | Compliance | 06/06/2018 | Boron, total | 0.0470 | mg/L |
| G06S | Compliance | 10/04/2018 | Boron, total | 0.0220 | mg/L |
| G06S | Compliance | 02/08/2019 | Boron, total | 0.0230 | mg/L |
| G06S | Compliance | 07/09/2019 | Boron, total | 0.0620 | mg/L |
| G06S | Compliance | 01/07/2020 | Boron, total | 0.0410 | mg/L |
| G06S | Compliance | 08/11/2020 | Boron, total | 0.0240 | mg/L |
| G06S | Compliance | 02/19/2021 | Boron, total | 0.0180 | mg/L |
| G06S | Compliance | 08/09/2021 | Boron, total | 0.0220 | mg/L |
| G06S | Compliance | 01/31/2022 | Boron, total | 0.0220 | mg/L |
| G06S | Compliance | 07/20/2022 | Boron, total | 0.0230 | mg/L |
| G06S | Compliance | 01/11/2023 | Boron, total | 0.0250 | mg/L |
| G06S | Compliance | 07/18/2023 | Boron, total | 0.0650 | mg/L |
| G06S | Compliance | 12/03/2015 | Sulfate, total | 46.0 | mg/L |
| G06S | Compliance | 02/04/2016 | Sulfate, total | 49.0 | mg/L |
| G06S | Compliance | 04/20/2016 | Sulfate, total | 42.0 | mg/L |
| G06S | Compliance | 08/18/2016 | Sulfate, total | 46.0 | mg/L |
| G06S | Compliance | 10/19/2016 | Sulfate, total | 46.0 | mg/L |
| G06S | Compliance | 01/12/2017 | Sulfate, total | 56.0 | mg/L |
| G06S | Compliance | 04/22/2017 | Sulfate, total | 45.0 | mg/L |
| G06S | Compliance | 06/28/2017 | Sulfate, total | 43.0 | mg/L |
| G06S | Compliance | 11/11/2017 | Sulfate, total | 44.0 | mg/L |
| G06S | Compliance | 06/06/2018 | Sulfate, total | 44.0 | mg/L |
| G06S | Compliance | 10/04/2018 | Sulfate, total | 40.0 | mg/L |
| G06S | Compliance | 02/08/2019 | Sulfate, total | 41.0 | mg/L |
| G06S | Compliance | 07/09/2019 | Sulfate, total | 48.0 | mg/L |
| G06S | Compliance | 01/07/2020 | Sulfate, total | 47.0 | mg/L |
| G06S | Compliance | 08/11/2020 | Sulfate, total | 51.0 | mg/L |
| G06S | Compliance | 02/19/2021 | Sulfate, total | 55.0 | mg/L |
| G06S | Compliance | 08/09/2021 | Sulfate, total | 54.0 | mg/L |
| G06S | Compliance | 01/31/2022 | Sulfate, total | 96.0 | mg/L |
| G06S | Compliance | 07/20/2022 | Sulfate, total | 120 | mg/L |
| G06S | Compliance | 01/11/2023 | Sulfate, total | 110 | mg/L |
| G06S | Compliance | 07/18/2023 | Sulfate, total | 140 | mg/L |
| G12S | Compliance | 12/02/2015 | Boron, total | 0.0260 | mg/L |
| G12S | Compliance | 02/04/2016 | Boron, total | 0.01 U | mg/L |
| G12S | Compliance | 04/20/2016 | Boron, total | 0.0140 | mg/L |
| G12S | Compliance | 08/18/2016 | Boron, total | 0.01 U | mg/L |





APPENDIX A. SUPPORTING GROUNDWATER ANALYTICAL DATA 40 C.F.R. § 257: ALTERNATIVE SOURCE DEMONSTRATION DUCK CREEK POWER PLANT

LANDFILL CANTON, IL

| Well ID | Well Type | Date | Parameter | Result | Unit |
|---------|------------|------------|----------------|-----------|------|
| G12S | Compliance | 10/19/2016 | Boron, total | 0.01 U | mg/L |
| G12S | Compliance | 01/27/2017 | Boron, total | 0.0100 | mg/L |
| G12S | Compliance | 05/04/2017 | Boron, total | 0.0190 | mg/L |
| G12S | Compliance | 06/28/2017 | Boron, total | 0.0150 | mg/L |
| G12S | Compliance | 11/11/2017 | Boron, total | 0.0110 | mg/L |
| G12S | Compliance | 06/07/2018 | Boron, total | 0.01 U | mg/L |
| G12S | Compliance | 10/04/2018 | Boron, total | 0.0180 | mg/L |
| G12S | Compliance | 02/08/2019 | Boron, total | 0.0160 | mg/L |
| G12S | Compliance | 07/09/2019 | Boron, total | 0.0200 | mg/L |
| G12S | Compliance | 01/06/2020 | Boron, total | 0.0130 | mg/L |
| G12S | Compliance | 08/12/2020 | Boron, total | 0.0130 | mg/L |
| G12S | Compliance | 02/22/2021 | Boron, total | 0.0230 | mg/L |
| G12S | Compliance | 08/09/2021 | Boron, total | 0.0100 | mg/L |
| G12S | Compliance | 01/31/2022 | Boron, total | 0.0110 | mg/L |
| G12S | Compliance | 07/21/2022 | Boron, total | 0.0770 | mg/L |
| G12S | Compliance | 01/16/2023 | Boron, total | 0.0130 | mg/L |
| G12S | Compliance | 07/24/2023 | Boron, total | 0.0170 J+ | mg/L |
| G12S | Compliance | 12/02/2015 | Sulfate, total | 79.0 | mg/L |
| G12S | Compliance | 02/04/2016 | Sulfate, total | 99.0 | mg/L |
| G12S | Compliance | 04/20/2016 | Sulfate, total | 91.0 | mg/L |
| G12S | Compliance | 08/18/2016 | Sulfate, total | 95.0 | mg/L |
| G12S | Compliance | 10/19/2016 | Sulfate, total | 98.0 | mg/L |
| G12S | Compliance | 01/27/2017 | Sulfate, total | 95.0 | mg/L |
| G12S | Compliance | 05/04/2017 | Sulfate, total | 96.0 | mg/L |
| G12S | Compliance | 06/28/2017 | Sulfate, total | 95.0 | mg/L |
| G12S | Compliance | 11/11/2017 | Sulfate, total | 98.0 | mg/L |
| G12S | Compliance | 06/07/2018 | Sulfate, total | 95.0 | mg/L |
| G12S | Compliance | 10/04/2018 | Sulfate, total | 95.0 | mg/L |
| G12S | Compliance | 02/08/2019 | Sulfate, total | 91.0 | mg/L |
| G12S | Compliance | 07/09/2019 | Sulfate, total | 78.0 | mg/L |
| G12S | Compliance | 01/06/2020 | Sulfate, total | 90.0 | mg/L |
| G12S | Compliance | 08/12/2020 | Sulfate, total | 86.0 | mg/L |
| G12S | Compliance | 02/22/2021 | Sulfate, total | 97.0 | mg/L |
| G12S | Compliance | 08/09/2021 | Sulfate, total | 97.0 | mg/L |
| G12S | Compliance | 01/31/2022 | Sulfate, total | 95.0 | mg/L |
| G12S | Compliance | 07/21/2022 | Sulfate, total | 95.0 | mg/L |
| G12S | Compliance | 01/16/2023 | Sulfate, total | 89.0 | mg/L |
| G12S | Compliance | 07/24/2023 | Sulfate, total | 100 | mg/L |
| L103 | Leachate | 04/16/2020 | Boron, total | 15.0 | mg/L |
| L103 | Leachate | 11/19/2020 | Boron, total | 9.80 | mg/L |
| L103 | Leachate | 05/14/2021 | Boron, total | 11.0 | mg/L |
| L103 | Leachate | 11/19/2021 | Boron, total | 14.0 | mg/L |
| L103 | Leachate | 04/28/2022 | Boron, total | 20.0 | mg/L |
| L103 | Leachate | 10/27/2022 | Boron, total | 16.0 | mg/L |
| L103 | Leachate | 05/09/2023 | Boron, total | 18.0 | mg/L |
| L103 | Leachate | 04/16/2020 | Sulfate, total | 1,700 | mg/L |





APPENDIX A.

SUPPORTING GROUNDWATER ANALYTICAL DATA
40 C.F.R. § 257: ALTERNATIVE SOURCE DEMONSTRATION
DUCK CREEK POWER PLANT

LANDFILL

CANTON, IL

| Well ID | Well Type | Date | Parameter | Result | Unit |
|---------|-----------|------------|----------------|--------|------|
| L103 | Leachate | 11/19/2020 | Sulfate, total | 3,500 | mg/L |
| L103 | Leachate | 05/14/2021 | Sulfate, total | 1,200 | mg/L |
| L103 | Leachate | 11/19/2021 | Sulfate, total | 2,400 | mg/L |
| L103 | Leachate | 04/28/2022 | Sulfate, total | 2,300 | mg/L |
| L103 | Leachate | 10/27/2022 | Sulfate, total | 1,900 | mg/L |
| L103 | Leachate | 05/09/2023 | Sulfate, total | 2,400 | mg/L |

Notes:





mg/L = milligrams per liter

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.

Intended for

Illinois Power Resources Generating, LLC

Date

September 2, 2024

Project Number

1940106781-005

40 C.F.R. § 257.94(E)(2): ALTERNATIVE SOURCE DEMONSTRATION DUCK CREEK POWER PLANT LANDFILL CCR UNIT 204

CERTIFICATIONS

I, Nicole M. Pagano, a qualified professional engineer in good standing in the State of Illinois, certify that the information in this report is accurate as of the date of my signature below. The content of this report is not to be used other than for its intended purpose and meaning, or for extrapolations beyond the interpretations contained herein.

Nicole M. Pagano

Qualified Professional Engineer

062-075632 Illinois

Ramboll Americas Engineering Solutions, Inc.

Date: September 2, 2024



I, Chase J. Christenson, a professional geologist in good standing in the State of Illinois, certify that the information in this report is accurate as of the date of my signature below. The content of this report is not to be used other than for its intended purpose and meaning, or for extrapolations beyond the interpretations contained herein.

Chase J. Christenson Professional Geologist

196.001467 Illinois

Ramboll Americas Engineering Solutions, Inc.

Date: September 2, 2024



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https://ramboll.com

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| 2.2 | Description of Landfill CCR Unit | 4 |
| 2.3 | Geology and Hydrogeology | 4 |
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| 3.2 | LOE #2: The Major Ion Composition of Landfill Groundwater is | |
| | Similar to Background and Distinct From Landfill Leachate | 7 |
| 3.3 | LOE #3: Proximity of the Landfill to Historical Mining Activity and | |
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| 4. | Conclusions | 10 |
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TABLES (IN TEXT)

Table A Summary Statistics for Boron and Sulfate Concentrations in Compliance Well G15S and Leachate Well L103 (December 2015 to January 2024).

FIGURES (IN TEXT)

Figure A Piper Diagram Showing Ionic Composition of Groundwater Samples and Leachate

Associated with the Landfill.

Figure B Piper Diagram Showing Ionic Composition of Groundwater Downgradient of Reclaimed

Surface Coal Mines in High-Sulfur Coal Regions (Modified from USGS).

FIGURES (ATTACHED)

Figure 1 Sampling Locations and Potentiometric Surface Map – January 17, 2024

Figure 2 Coal Mine Coverage Area

APPENDICES

Appendix A Supporting Groundwater Analytical Data

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

ASD Alternative Source Demonstration

bgs below ground surface
CCR coal combustion residuals
CCR Rule 40 C.F.R. § 257 Subpart D
D14 Detection Monitoring Round 14

DCPP Duck Creek Power Plant

EPRI Electric Power Research Institute

IPRG Illinois Power Resources Generating, LLC

LOEs Line of Evidence mg/L milligrams per liter

NAVD88 North American Vertical Datum of 1988

NRT/OBG Natural Resource Technology, an OBG Company Ramboll Ramboll Americas Engineering Solutions, Inc.

SSI Statistically Significant Increase

UA Uppermost Aquifer
UPL Upper Prediction Limit

USGS United States Geological Survey

1. INTRODUCTION

Title 40 of the Code of Federal Regulations (40 C.F.R.) § 257.94(e)(2) allows the owner or operator of a coal combustion residuals (CCR) unit 90 days from the date of determination of Statistically Significant Increases (SSIs) over background for groundwater constituents listed in Appendix III of 40 C.F.R. § 257 to complete a written demonstration that a source other than the CCR unit being monitored caused the SSIs, or that the SSIs resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality (Alternative Source Demonstration [ASD]).

This ASD has been prepared on behalf of Illinois Power Resources Generating, LLC (IPRG) by Ramboll Americas Engineering Solutions, Inc. (Ramboll) to provide pertinent information pursuant to 40 C.F.R. § 257.94(e)(2) for the Duck Creek Power Plant (DCPP) Landfill located near Canton, Illinois.

The fourteenth semi-annual detection monitoring samples (Detection Monitoring Round 14 [D14]) were collected between January 18 and February 1, 2024, and analytical data were received on March 6, 2024. In accordance with 40 C.F.R. § 257.93(h)(2), statistical analysis of the data to identify SSIs of 40 C.F.R. § 257 Subpart D (CCR Rule) Appendix III parameters over background concentrations was completed by June 4, 2024, within 90 days of receipt of the analytical data. The statistical determination identified the following SSIs at compliance monitoring wells:

pH at well G06S and G15S

In accordance with the Multi-Site Statistical Analysis Plan (Ramboll, 2022), all wells with SSIs were resampled. Following evaluation of analytical data from the resample event, the following SSI remained:

• pH at well G15S

Pursuant to 40 C.F.R. § 257.94(e)(2), the lines of evidence (LOEs) presented in **Section 3** demonstrate that sources other than the Landfill were the cause of the pH SSI listed above and the Landfill did not contribute to the SSI. This ASD was completed by September 2, 2024, within 90 days of determination of the SSI (June 4, 2024), as required by 40 C.F.R. § 257.94(e)(2).

2. BACKGROUND

2.1 Site Location and Description

The DCPP is located in Fulton County, in central Illinois, approximately 9 miles southeast of the town of Canton. The Landfill is located approximately 3.5 miles north of the decommissioned power plant. Surface waters in the area include the Duck Creek Cooling Pond to the east, which was used as a source of cooling water for the plant, and various small ponds, some of which are remnants of the area's surface mining history. Prior to construction of the power plant and associated facilities, strip mining of coal took place within the boundaries of the DCPP, specifically on land in the immediate vicinity of the Landfill.

2.2 Description of Landfill CCR Unit

The Landfill has a permitted "in-place" disposal capacity of approximately 10,051,700 cubic yards and an estimated life of 61 years. The overall facility is 169 acres, of which 106 acres are permitted as a single waste disposal unit. The maximum final elevation will be approximately 708 feet¹. The Landfill has a compacted clay earth and synthetic geomembrane liner combined with leachate drainage, collection, and management systems. Historically, the facility received CCR and flue gas desulfurization waste as well as contaminated sediments and riprap generated by closure of the former Recycle Pond at the DCPP. CCR from the Edwards Power Plant (located in Peoria, Illinois and operated by IPRG) was also disposed in the Landfill.

Strip mining has occurred in this area since the 1930s. Strip mining in the site vicinity extracted coal from the Springfield (No. 5) coal seam. Mining operations in the area have ceased. Strip mining has completely disrupted the natural stratigraphy down to the Springfield (No. 5) coal unit at some portions of the DCPP property. The Landfill is located immediately adjacent to and downgradient of several former large surface mining areas.

2.3 Geology and Hydrogeology

The DCPP geologic and hydrogeologic setting summarized below is obtained from published sources, hydrogeologic investigation data, and boring data collected during previous site investigations (Natural Resource Technology, an OBG Company [NRT/OBG], 2017; Ramboll, 2021).

Regionally, the DCPP is positioned on the glacial uplands above the Illinois River in the Ancient Illinois Floodplain of the Till Plains Section of the Central Lowland Province. The undisturbed unlithified materials consist of loess, diamictons, and lacustrine/alluvial deposits. The area is flat to gently rolling uplands that are dissected by deeply incised streams that are tributaries to major river systems.

Several large former surface coal mines are present in the vicinity; unlithified materials are present in the excavated strip mine spoils and have been mixed due to the surface mining activities. Mining operations in the area have ceased.

¹ All elevations in this report are referenced to North American Vertical Datum of 1988 (NAVD88) unless otherwise noted

The uppermost bedrock stratum in the area is the Carbondale Formation of the Kewanee Group of the Pennsylvanian System. Bedrock in the area is identified as Pennsylvanian-age shale deposits and occurs within approximately 50 feet of the ground surface in this area.

Quaternary deposits in the Canton area consist mainly of loess, diamictons, and lacustrine/alluvial deposits that were deposited during Illinoian and Wisconsinian glaciations. The three distinct hydrostratigraphic units summarized below have been identified at the Landfill based on stratigraphic relationships and common hydrogeologic characteristics:

- Uppermost Aquifer (UA): At the Landfill, this unit includes the Peoria/Roxana Loess, the upper Radnor Till, and the shallow sands. These units are hydraulically connected and underlain by a thick till sequence of the Radnor Till (NRT/OBG, 2017). While the primary migration pathway is the shallow sand of the UA, the groundwater within the overlying Peoria/Roxanna Loess has the potential to be impacted and is considered a potential migration pathway.
- Lower Radnor Till/Lower Confining Unit: Underlying the UA, the lower Radnor Till is approximately 42 to 58 feet thick. Previous hydrogeologic studies indicate discontinuous sand lenses observed within the till are not hydraulically connected to the shallow sand unit (NRT/OBG, 2017).
- **Bedrock Confining Unit**: The thick and low permeability shaley siltstone, silty shale, and coal beds of the Carbondale Formation, are estimated to have a thickness of approximately 300 to 400 feet.

Groundwater elevations in the UA across the Landfill are shown on **Figure 1**. Groundwater elevations were measured on January 17, 2024, during a combined D14 sampling event at the DCPP for the CCR units located there, and for multiple monitoring programs required by both federal and state regulatory agencies. Groundwater elevations ranged from 600.78 to 617.17 feet and overall groundwater flow within the UA under the Landfill was west to east with components of flow to the northeast and southeast.

2.4 Groundwater Monitoring

The CCR Rule groundwater monitoring system for the Landfill is shown on **Figure 1**. Monitoring wells G02S and G04S are used to monitor background groundwater quality for the Landfill. These wells are located south (G02S) and southwest (G04S) of the Landfill. The compliance wells are G06S, G09S, G12S, and G15S.

3. ALTERNATIVE SOURCE DEMONSTRATION: LINES OF EVIDENCE

As allowed by 40 C.F.R. § 257.94(e)(2), this ASD demonstrates that sources other than the Landfill (the CCR unit) caused the pH SSI and that the Landfill did not contribute to the SSI. LOEs supporting this ASD include the following:

- 1. Concentrations of boron and sulfate in G15S do not exceed background limits.
- 2. The major ion composition of Landfill groundwater is similar to background and distinct from Landfill leachate.
- 3. Proximity of the Landfill to historical mining activity and related groundwater quality impacts.

These LOEs are described and supported in greater detail below.

3.1 LOE #1: Concentrations of Boron and Sulfate in G15S Do Not Exceed Background Limits

Boron and sulfate are indicators of CCR impacts to groundwater due to their leachability from CCR, low occurrence as an anthropogenic contaminant, and mobility in groundwater (Electric Power Research Institute [EPRI], 2012). Leachate samples collected from the Landfill have elevated boron and sulfate concentrations, indicating that these parameters are site-specific indicators for CCR. If the groundwater downgradient of the Landfill had been impacted by CCR from the unit, boron and sulfate would be expected to be elevated above background Upper Prediction Limits (UPLs). The UPL is an upper bound on background concentrations calculated for comparing compliance well concentrations to background. Concentrations of boron and sulfate in compliance monitoring well G15S, which had an SSI for pH in D14, have been consistently below their respective UPLs throughout the period of monitoring for 40 C.F.R. § 257 as summarized in Table A below.

Table A. Summary Statistics for Boron and Sulfate Concentrations in Compliance Well G15S and Leachate Well L103 (December 2015 to January 2024).

| Location | Location Type | Boron (UPL=0.157 mg/L) | | Sulfate (UPL=330 mg/L) | |
|----------|---------------|---------------------------|---------|---------------------------|---------|
| | -34- | Minimum | Maximum | Minimum | Maximum |
| G15S | Compliance | < 0.0071 U | 0.056 | 37.0 | 69.0 |
| L103 | Leachate | 9.8 | 20.0 | 1,200 | 3,500 |

mg/L = milligrams per liter

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

Concentrations of boron and sulfate below their respective UPLs in compliance monitoring well G15S indicate these wells have not been affected by CCR impacts from the Landfill. Therefore, the Landfill is not the source of the SSI. Analytical data to support this LOE are included in **Appendix A**.

3.2 LOE #2: The Major Ion Composition of Landfill Groundwater is Similar to Background and Distinct From Landfill Leachate

Piper diagrams graphically represent the major ion composition of aqueous solutions. A Piper diagram displays the position of water samples relative to their major cation and anion content on the two lower triangular portions of the diagram, providing the information which, when combined on the central, diamond-shaped portion of the diagram, identifies the compositional categories or groupings (hydrochemical facies). **Figure A** below is a Piper diagram that displays the ionic composition of groundwater samples from the background and compliance wells associated with the Landfill, as well as leachate. A Leachate sample was collected from the leachate riser, L103, during the D14 sampling event. The compliance monitoring well with a D14 SSI, G15S, is circled in red.

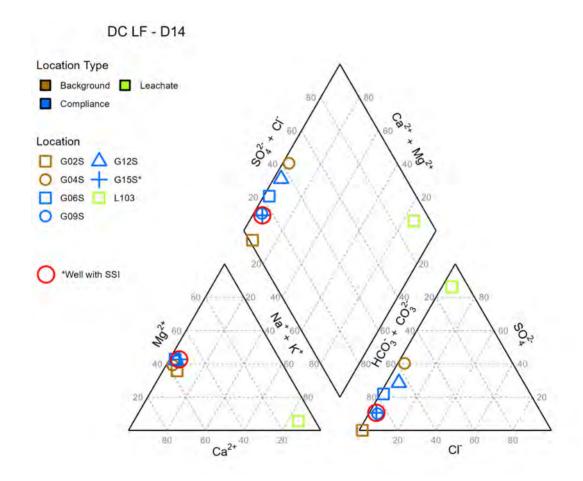


Figure A. Piper Diagram Showing Ionic Composition of Groundwater Samples and Leachate Associated with the Landfill (brown = background wells, blue = compliance wells, green = leachate/porewater). Well with pH SSI, G15S, is circled red.

It is evident from the Piper diagram that the background (brown symbols) and compliance wells (blue symbols) are in the calcium-bicarbonate hydrochemical facies and that the landfill leachate

(green symbol) is in the sodium-sulfate facies. The ionic composition of the background and compliance wells demonstrate strong similarity. Additionally, the ionic compositions of the Landfill background and compliance groundwater and the Landfill leachate are dissimilar. Together, the similarity of background and compliance groundwater ionic composition and the differences between groundwater and leachate indicate that the Landfill is not the source of the SSI identified in groundwater.

3.3 LOE #3: Proximity of the Landfill to Historical Mining Activity and Related Groundwater Quality Impacts

The area surrounding the Landfill consists primarily of unmined coal and reclaimed surface mine land. The extent of nearby surface mines is shown in the attached **Figure 2**. The coal in the area varies in depth from 0 to 50 feet below ground surface (bgs). The CCR Rule groundwater monitoring wells for the Landfill are screened between 25 and 45 feet bgs. Potentiometric data indicates that groundwater flows from west to east as shown on the attached **Figure 1**. The CCR monitoring wells are located approximately 100 to 1,000 feet east (downgradient) of the nearby surface mines along the western, northern, and eastern boundaries of the Landfill (**Figure 2**).

A study of groundwater quality near surface coal mines, performed by the United States Geological Survey (USGS, 2006), provides data on the effects of mines on groundwater quality. The study evaluated regional differences in ionic composition of groundwater in unmined and mined areas using Piper diagrams (**Figure B** on the following page). Groundwater samples collected from wells downgradient of the reclaimed mine areas in the study ranged from primarily calcium-magnesium carbonate-bicarbonate type (calcium-bicarbonate hydrochemical facies) to a lesser amount of calcium-magnesium sulfate type (calcium sulfate hydrochemical facies). The calcium-bicarbonate groundwater documented in the vicinity of reclaimed surface coal mines is similar to the ionic composition of groundwater samples collected from background and downgradient groundwater monitoring wells at the Landfill.

State of Illinois groundwater quality regulations (Title 35 of the Illinois Administrative Code [35 I.A.C.] § 620 - Groundwater Quality) acknowledge that water quality is adversely affected in areas where coal mining activity has occurred. The groundwater quality standards for total dissolved solids, chloride, iron, manganese, sulfate, and pH within previously mined areas are the existing concentrations of these constituents in groundwater (35 I.A.C. § 620.440c).

The proximity of the Landfill to historic coal mining activity and similarities in the ionic composition of groundwater in areas of reclaimed surface coal mines and in the Landfill groundwater samples demonstrate that historic mining activity has affected groundwater quality at the Landfill.

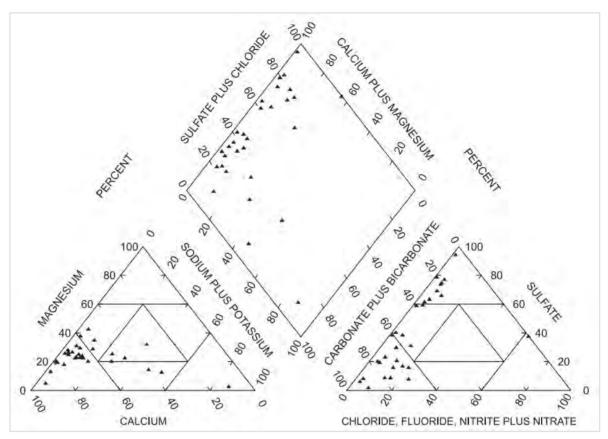


Figure B. Piper Diagram Showing Ionic Composition of Groundwater Downgradient of Reclaimed Surface Coal Mines in High-Sulfur Coal Regions (Modified from USGS).

4. CONCLUSIONS

Based on the three LOEs below and described in the previous section, it has been demonstrated that the Landfill is not the source of the pH SSI at downgradient monitoring well G15S and the Landfill did not contribute to the SSI.

- 1. Concentrations of boron and sulfate in G15S do not exceed background limits.
- 2. The major ion composition of Landfill groundwater is similar to background and distinct from Landfill leachate.
- 3. Proximity of the Landfill to historical mining activity and related groundwater quality impacts.

This information serves as the written ASD prepared in accordance with 40 C.F.R. § 257.94(e)(2) that the pH SSI observed during D14 was not caused by the Landfill and the Landfill did not contribute to the SSI. Therefore, an Assessment Monitoring Program is not required, and the Landfill will remain in Detection Monitoring.

5. 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.

Electric Power Research Institute (EPRI), 2012. *Groundwater Quality Signatures for Assessing Potential Impacts from Coal Combustion Product Leachate, Report 1017923.* October 2012.

Illinois Administrative Code, Title 35, Subtitle F, Chapter I, Part 620: Groundwater Quality, effective October 7, 2013.

Natural Resource Technology, an OBG Company (NRT/OBG), 2017. *Hydrogeologic Monitoring Plan. Duck Creek GMF Pond – CCR Unit ID 203, Duck Creek Landfill – CCR Unit ID 204. Duck Creek Power Station, Canton, Illinois. Illinois Power Resources Generating, LLC.* October 17, 2017.

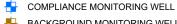
Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Hydrogeologic Site*Characterization Report. Duck Creek Power Plant, Gypsum Management Facility Pond, Canton,

Illinois. Illinois Power Resources Generating, LLC. October 25, 2021.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2022. *Multi-Site Statistical Analysis Plan.* December 28, 2022.

United States Geological Survey (USGS), 2006. Ground-Water Quality in Unmined Areas and Near Reclaimed Surface Coal Mines in the Northern and Central Appalachian Coal Regions, Pennsylvania and West Virginia, Scientific Investigations Report 2006-5059, US Geological Survey.

FIGURES



BACKGROUND MONITORING WELL

Service Layer Credits: World Imagery: Maxar

PORE WATER WELL

GROUNDWATER ELEVATION CONTOUR (5-FT CONTOUR INTERVAL, NAVD88)

G02L [(615.31)]

INFERRED GROUNDWATER ELEVATION

GROUNDWATER FLOW DIRECTION REGULATED UNIT (SUBJECT UNIT)

SAMPLING LOCATIONS AND POTENTIOMETRIC SURFACE MAP **JANUARY 17, 2024**

ALTERNATIVE SOURCE DEMONSTRATION LANDFILL (UNIT ID: 204) DUCK CREEK POWER PLANT

FIGURE 1

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.



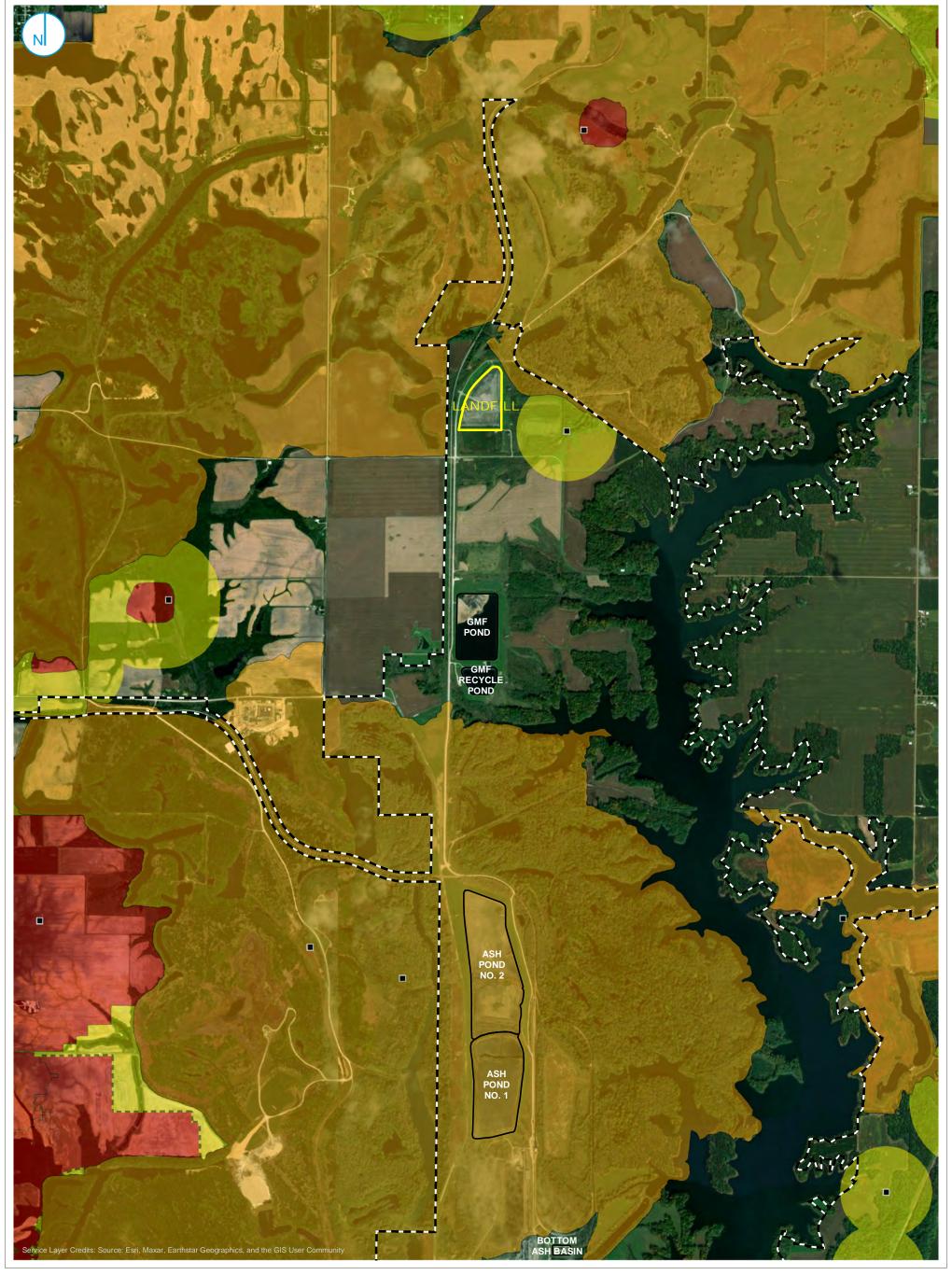
150

LELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
 ELEVATIONS IN BRACKETS WERE OBTAINED OUTSIDE OF THE
 4 HOUR PERIOD FROM INITIATION OF DEPTH TO GROUNDWATER

MEASUREMENTS BUT WITHIN THE SAME SAMPLING EVENT.

J Feet 3. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

CANTON, ILLINOIS



■ COAL MINE SHAFT

SURFACE COAL MINE

UNDERGROUND COAL MINE

UNDERGROUND MINE BUFFER REGION

____ Feet

REGULATED UNIT (SUBJECT UNIT)

SITE FEATURE

PROPERTY BOUNDARY

1,000 2,000

COAL MINE COVERAGE AREA

ALTERNATIVE SOURCE DEMONSTRATION

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

LANDFILL (UNIT ID: 204)
DUCK CREEK POWER PLANT
CANTON, ILLINOIS



FIGURE 2

APPENDICES

APPENDIX A SUPPORTING GROUNDWATER ANALYTICAL DATA

APPENDIX A. SUPPORTING GROUNDWATER ANALYTICAL DATA 40 C.F.R. § 257: ALTERNATIVE SOURCE DEMONSTRATION DUCK CREEK POWER PLANT

LANDFILL CANTON, IL

| Well ID | Well Type | Date | Parameter | Result | Unit |
|---------|------------|------------|----------------|----------|------|
| G15S | Compliance | 12/03/2015 | Boron, total | 0.0120 | mg/L |
| G15S | Compliance | 02/04/2016 | Boron, total | 0.0130 | mg/L |
| G15S | Compliance | 04/20/2016 | Boron, total | 0.0110 | mg/L |
| G15S | Compliance | 08/18/2016 | Boron, total | 0.01 U | mg/L |
| G15S | Compliance | 10/19/2016 | Boron, total | 0.0140 | mg/L |
| G15S | Compliance | 01/28/2017 | Boron, total | 0.0170 | mg/L |
| G15S | Compliance | 05/04/2017 | Boron, total | 0.01 U | mg/L |
| G15S | Compliance | 06/28/2017 | Boron, total | 0.0130 | mg/L |
| G15S | Compliance | 11/11/2017 | Boron, total | 0.01 U | mg/L |
| G15S | Compliance | 06/07/2018 | Boron, total | 0.01 U | mg/L |
| G15S | Compliance | 10/05/2018 | Boron, total | 0.0110 | mg/L |
| G15S | Compliance | 02/08/2019 | Boron, total | 0.0120 | mg/L |
| G15S | Compliance | 07/16/2019 | Boron, total | 0.0250 | mg/L |
| G15S | Compliance | 01/07/2020 | Boron, total | 0.0150 | mg/L |
| G15S | Compliance | 08/12/2020 | Boron, total | 0.0130 | mg/L |
| G15S | Compliance | 02/22/2021 | Boron, total | 0.0290 | mg/L |
| G15S | Compliance | 08/10/2021 | Boron, total | 0.01 U | mg/L |
| G15S | Compliance | 01/31/2022 | Boron, total | 0.0140 | mg/L |
| G15S | Compliance | 07/21/2022 | Boron, total | 0.0560 | mg/L |
| G15S | Compliance | 01/16/2023 | Boron, total | 0.0110 | mg/L |
| G15S | Compliance | 07/25/2023 | Boron, total | 0.01 UJ | mg/L |
| G15S | Compliance | 01/26/2024 | Boron, total | 0.0071 U | mg/L |
| G15S | Compliance | 12/03/2015 | Sulfate, total | 45.0 | mg/L |
| G15S | Compliance | 02/04/2016 | Sulfate, total | 53.0 | mg/L |
| G15S | Compliance | 04/20/2016 | Sulfate, total | 45.0 | mg/L |
| G15S | Compliance | 08/18/2016 | Sulfate, total | 56.0 | mg/L |
| G15S | Compliance | 10/19/2016 | Sulfate, total | 54.0 | mg/L |
| G15S | Compliance | 01/28/2017 | Sulfate, total | 69.0 | mg/L |
| G15S | Compliance | 05/04/2017 | Sulfate, total | 53.0 | mg/L |
| G15S | Compliance | 06/28/2017 | Sulfate, total | 52.0 | mg/L |
| G15S | Compliance | 11/11/2017 | Sulfate, total | 45.0 | mg/L |
| G15S | Compliance | 06/07/2018 | Sulfate, total | 50.0 | mg/L |
| G15S | Compliance | 10/05/2018 | Sulfate, total | 46.0 | mg/L |
| G15S | Compliance | 02/08/2019 | Sulfate, total | 38.0 | mg/L |
| G15S | Compliance | 07/16/2019 | Sulfate, total | 45.0 | mg/L |
| G15S | Compliance | 01/07/2020 | Sulfate, total | 48.0 | mg/L |
| G15S | Compliance | 08/12/2020 | Sulfate, total | 40.0 | mg/L |
| G15S | Compliance | 02/22/2021 | Sulfate, total | 44.0 | mg/L |
| G15S | Compliance | 08/10/2021 | Sulfate, total | 40.0 | mg/L |
| G15S | Compliance | 01/31/2022 | Sulfate, total | 40.0 | mg/L |
| G15S | Compliance | 07/21/2022 | Sulfate, total | 41.0 | mg/L |
| G15S | Compliance | 01/16/2023 | Sulfate, total | 37.0 | mg/L |
| G15S | Compliance | 07/25/2023 | Sulfate, total | 43.0 | mg/L |
| G15S | Compliance | 01/26/2024 | Sulfate, total | 39.0 | mg/L |
| L103 | Leachate | 04/16/2020 | Boron, total | 15.0 | mg/L |
| L103 | Leachate | 11/19/2020 | Boron, total | 9.80 | mg/L |





APPENDIX A.

SUPPORTING GROUNDWATER ANALYTICAL DATA

40 C.F.R. § 257: ALTERNATIVE SOURCE DEMONSTRATION DUCK CREEK POWER PLANT

LANDFILL CANTON, IL

| Well ID | Well Type | Date | Parameter | Result | Unit |
|---------|-----------|------------|----------------|--------|------|
| L103 | Leachate | 05/14/2021 | Boron, total | 11.0 | mg/L |
| L103 | Leachate | 11/19/2021 | Boron, total | 14.0 | mg/L |
| L103 | Leachate | 04/28/2022 | Boron, total | 20.0 | mg/L |
| L103 | Leachate | 10/27/2022 | Boron, total | 16.0 | mg/L |
| L103 | Leachate | 05/09/2023 | Boron, total | 18.0 | mg/L |
| L103 | Leachate | 10/20/2023 | Boron, total | 15.0 | mg/L |
| L103 | Leachate | 01/26/2024 | Boron, total | 12.0 | mg/L |
| L103 | Leachate | 04/16/2020 | Sulfate, total | 1,700 | mg/L |
| L103 | Leachate | 11/19/2020 | Sulfate, total | 3,500 | mg/L |
| L103 | Leachate | 05/14/2021 | Sulfate, total | 1,200 | mg/L |
| L103 | Leachate | 11/19/2021 | Sulfate, total | 2,400 | mg/L |
| L103 | Leachate | 04/28/2022 | Sulfate, total | 2,300 | mg/L |
| L103 | Leachate | 10/27/2022 | Sulfate, total | 1,900 | mg/L |
| L103 | Leachate | 05/09/2023 | Sulfate, total | 2,400 | mg/L |
| L103 | Leachate | 10/20/2023 | Sulfate, total | 2,100 | mg/L |
| L103 | Leachate | 01/26/2024 | Sulfate, total | 2,200 | mg/L |

Notes:

mg/L = milligrams per liter

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

UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.



