CITY WATER, LIGHT AND POWER
CITY OF SPRINGFIELD, ILLINOIS
MISTY BUSCHER, MAYOR
SCOTT M. ROGERS, CHIEF UTILITY ENGINEER

VIA E-MAIL: dierich.andrea@epa.gov

September 10, 2026

Andrea Dierich
EPA Project Officer
USEPA, Region 5
77 W Jackson Blvd
Chicago, IL 60604

RE: FGDS Development Unit 2 Landfill
Agreement to Resolve
Specific Condition III C
Updated Alternate Source Demonstration Sampling Report

Dear Ms. Dierich:

As outlined in Specific Condition III C of the Agreement to Resolve executed May 13, 2026, provided herein is the Updated Alternate Source Demonstration Sampling Report documenting the results of the two rounds of sampling from monitoring wells AW-4, AW-5, AW-6 and AP-17.

Should you have any questions, require additional information, or believe further discussion would be beneficial, please do not hesitate to contact me at 217-757-8610 ext. 1110.

Sincerely,

PJ Becker
Environmental Health and Safety Manager

**Certification of City Water, Light and Power**

The City of Springfield, Office of Public Utilities, d/b/a City Water, Light and Power provides the following certification as required by paragraph 300 of the Consent Agreement and Final Order effective January 14, 2025.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature:
Name: PJ Becker
Title: Environmental Health and Safety Manager
Date: 9/10/2026

ANDREWS ENGINEERING

3300 Ginger Creek Drive | 217.787.2334
Springfield, IL 62711

September 10, 2026

Mr. PJ Becker
Environmental Health and Safety
City Water, Light and Power
3100 Stevenson Drive
Springfield, Illinois 62712

Re: City Water, Light and Power
FGDS Development Unit 2 Landfill
Clarification Regarding the FGDS Landfill Unit 2 Alternate Source Demonstration

Dear Mr. Becker:

On August 11, 2026, USEPA provided comments on recent CWLP submittals, including the September 2025 Flow Path Report, the September 2025 Assessment of Corrective Measures, the September 2025 Nature and Extent Report, and the September 2025 Interim Measures Report. In Attachment B to the August 11, 2026, correspondence regarding the Assessment of Corrective Measures and Nature and Extent Assessment, USEPA commented, in part: "In the recent landfill alternative source demonstration, CWLP's own groundwater modeling identified the shallow sand unit as a potential contaminant transport pathway." The September 2025 FGDS Landfill Unit 2 Alternate Source Demonstration did not include modeling of any kind or conclude that the shallow sand unit was a potential contaminant transport pathway. While potential contaminant transport pathways will be addressed in the updated Nature and Extent Report and Assessment of Corrective Measures, the record should be corrected to indicate that no modeling was provided in the FGDS Landfill Unit 2 Alternate Source Demonstration.

If you have any questions or require further information, please contact Brad Hunsberger at (217) 757-8610.

Sincerely,

Brad Hunsberger

Brad Hunsberger, LPG
Vice President

MTH:ald

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**City Water, Light & Power**
**Springfield, Illinois**

# FGDS Development Landfill Unit 2 Updated Alternate Source Demonstration

## 40 CFR Section 257.94(e)(2) Agreement to Resolve May 13, 2026

**September 2026**

*Prepared for:*
City Water, Light & Power
3100 Stevenson Drive
Springfield, Illinois

*Prepared by:*

ANDREWS ENGINEERING

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ILLINOIS | MISSOURI | INDIANA

# EXECUTIVE SUMMARY

This Updated Alternate Source Demonstration (ASD) Report was prepared to satisfy Condition III.C of the May 13, 2026, Agreement to Resolve (AOR) between the United States Environmental Protection Agency (USEPA) and City Water, Light and Power (CWLP). Condition III.C required installation of additional assessment wells, collection of groundwater quality and groundwater elevation data, and preparation of an updated evaluation of arsenic concentrations identified in monitoring wells AW-2, P07D, and G121. The purpose of the investigation was to further evaluate groundwater movement and determine whether sources other than FGDS Development Landfill Unit 2 are responsible for the observed groundwater quality impacts.

To address these requirements, monitoring wells AW-4, AW-5, AW-6, and AP-17 were installed in areas considered critical to evaluating groundwater movement and constituent migration between the Dallman Ash Pond and the Unit 2 groundwater monitoring system. These wells supplement the existing monitoring network, consisting of R101, AW-2, P07D, G121, and G122. Two rounds of groundwater sampling were completed in June and July 2026, and groundwater elevations were monitored throughout the investigation period.

Groundwater elevation data indicate that AW-1 is hydraulically upgradient of AW-6 and the Unit 2 monitoring wells. The additional monitoring points provided by AW-4, AW-5, and AW-6 refine the interpreted groundwater flow path previously identified in the September 2025 ASD and are consistent with groundwater movement from the west and southwest toward AW-2, P07D, and G121. Potentiometric surface maps and updated hydrogeologic cross sections support this interpretation.

Key findings include:

- Groundwater elevations measured at AW-4, AW-5, AW-6, and AP-17 are consistent with the groundwater flow pattern identified in the September 2025 ASD.
- AW-6 occupies an intervening location between AW-1 and the Unit 2 monitoring network and provides additional hydraulic control along the interpreted groundwater flow path.
- Arsenic was detected in AW-4, AW-5, and AW-6 during both post-installation monitoring events. Arsenic exceeded the GWPS in AW-4 during the second-quarter 2026 event and in AW-6 during both events. These results demonstrate that arsenic is present in the groundwater immediately upgradient of Unit 2.
- The distribution of arsenic concentrations is consistent with groundwater movement through the interpreted groundwater flow path from hydraulically upgradient locations of the site toward AW-2, P07D, and G121.

Based on the groundwater elevations, groundwater chemistry, assessment-well results, potentiometric surface interpretations, and hydrogeologic information evaluated under Condition III.C, arsenic is present within the interpreted groundwater flow path hydraulically upgradient of AW-2, P07D, and G121. The combined evidence supports the conclusion that the arsenic observed in these wells is more consistent with groundwater conditions entering the Unit 2 monitoring area from hydraulically upgradient locations of the site, including the vicinity of the Dallman Ash Pond, than with a release from FGDS Development Landfill Unit 2.

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# 1. INTRODUCTION

## 1.1 Purpose

This Updated Alternate Source Demonstration (ASD) Report was prepared to satisfy Condition III.C of the May 13, 2026, Agreement to Resolve (AOR) between the United States Environmental Protection Agency (USEPA) and City Water, Light and Power (CWLP). Condition III.C required installation of additional monitoring wells, collection of groundwater quality and groundwater elevation data, and preparation of an updated evaluation of arsenic concentrations identified in monitoring wells AW-2, P07D, and G121. This report evaluates the data collected under Condition III.C to determine whether a source other than FGDS Development Landfill Unit 2 is responsible for the observed arsenic concentrations.

Monitoring wells AW-4, AW-5, AW-6, and AP-17 were installed to provide additional groundwater quality and hydraulic data between the Dallman Ash Pond and the Unit 2 groundwater monitoring system. These wells were used to evaluate groundwater flow paths, assess hydraulic relationships among monitoring locations, and determine whether arsenic is present in the groundwater upgradient of Unit 2.

Two rounds of groundwater sampling were completed following well installation. The resulting groundwater quality and groundwater elevation data were used to evaluate constituent distribution, groundwater flow conditions, and potential source relationships within the uppermost aquifer.

## 1.2 Background

CWLP recalculated background concentrations and groundwater protection standards (GWPSs) for Appendix III and Appendix IV constituents associated with the FGDS Development Landfill Unit 2 groundwater monitoring program and submitted the subject limits on June 13, 2025. Evaluation of the revised dataset identified statistically significant increases (SSIs) and statistically significant levels (SSLs), including arsenic in monitoring wells AW-2, P07D, and G121. A Notice of SSI/SSL was posted on June 13, 2025.

The FGDS Development Landfill is located at the CWLP Dallman Generating Facility in Sangamon County, Illinois (Figure 1). Major CCR management units include FGDS Development Landfill Units 1 and 2, the Dallman Ash Pond, and the Lakeside Ash Pond (Figure **2**).

In September 2025, CWLP prepared an ASD pursuant to 40 C.F.R. § 257.94(e)(2). That evaluation concluded that arsenic detected in AW-2, P07D, and G121 was more consistent with

hydraulically upgradient groundwater conditions associated with the Dallman Ash Pond area, including monitoring well AW-1, than with releases from FGDS Development Landfill Unit 2.

USEPA did not approve the submitted ASD. CWLP subsequently provided USEPA with a notice of informal dispute on October 23, 2025. Through a series of negotiations to resolve the informal dispute, USEPA and CWLP executed an Agreement to Resolve (AOR) on May 13, 2026.

Under the general conditions of the AOR, CWLP agreed to install new monitoring wells AW-4, AW-5, AW-6, and AP-17. Monitoring wells AW-4, AW-5, and AW-6 were proposed to support the ASD, and AP-17 was proposed to supplement the CCR Surface Impoundments groundwater monitoring network. Additionally, AW-4 and AW-5 were to be installed as Unit 2 background wells with the intention of recalculating background for the Unit 2 Landfill. Further, it was agreed that CWLP may add AW-6 and AP-17 as background wells for the Unit 2 Landfill provided the addition is supported by potentiometric surface elevations and the initial groundwater analytical results.

Furthermore, it was agreed that CWLP would conduct two rounds of sampling from new wells AW-4, AW-5, AW-6, and AP-17 as part of the ASD and provide USEPA with a sampling report within 120 days of installation of the new wells. CWLP conducted the two rounds of sampling at AW-4, AW-5, AW-6, and AP-17, in addition to monitoring wells R101, G120, G121, G122, AW-2, and P07D, in June and July 2026.

## 1.3 Investigation Objectives

The Condition III.C investigation was conducted to address questions identified during USEPA's review of the September 2025 ASD. The objectives were to:

- Determine whether arsenic concentrations in the groundwater, including those above the GWPS, exists immediately upgradient of FGDS Development Landfill Unit 2.
- Evaluate groundwater flow relationships between hydraulically upgradient portions of the assessment area and the Unit 2 groundwater monitoring system.
- Evaluate whether arsenic and supporting groundwater-quality constituents are present within the interpreted groundwater flow path upgradient of AW-2, P07D, and G121.
- Determine whether the data collected under Condition III.C support the conclusion that the arsenic concentrations observed in AW-2, P07D, and G121 are attributable to a source other than FGDS Development Landfill Unit 2.

This investigation was not intended to determine the final Unit 2 background monitoring network. Evaluation of AW-4, AW-5, AW-6, and AP-17 for potential future inclusion in that network will be addressed separately in the Recalculated Background Report.

# 2. Monitoring Network

## 2.1 Unit 2 Groundwater Monitoring System and Condition III.C Assessment Wells

The groundwater monitoring wells evaluated in this report include the existing Unit 2 groundwater monitoring system and the assessment wells installed pursuant to Condition III.C of the AOR. These wells were used to evaluate groundwater flow conditions, constituent distribution, and potential source relationships between the Dallman Ash Pond and the Unit 2 groundwater monitoring system.

The Unit 2 groundwater monitoring system consists of monitoring wells R101, AW-2, P07D, G121, and G122 (Figure 2). Assessment wells AW-4, AW-5, and AW-6 were installed to provide additional hydraulic and groundwater quality data between the Dallman Ash Pond area and the Unit 2 monitoring system (Figure 2). Assessment well AP-17 was installed to provide supplemental groundwater elevation and groundwater quality information within the study area.

For purposes of this report, the interpreted groundwater flow path includes saturated creek-fill materials, shallow sand, and hydraulically connected weathered-bedrock materials encountered within the assessment area. The distribution and relative contribution of these materials may vary across the site.

The monitoring wells evaluated in this report are completed within groundwater-bearing materials associated with the uppermost aquifer. Depending on location, these materials include creek-fill deposits, shallow sand, basal sand, and weathered-bedrock materials. The monitoring intervals were selected to evaluate groundwater conditions within the interpreted groundwater flow path and to provide information generally consistent with the existing monitoring network. Well construction details, surveyed coordinates, screened intervals, and hydrostratigraphic information are provided in the boring logs, well completion reports, and development records included in Appendix A through Appendix C.

### *2.1.1 Monitoring Wells*

Monitoring well R101 serves as the designated background monitoring well for the Unit 2 groundwater monitoring system. Well R101 is screened within the uppermost aquifer. Groundwater quality in R101 is intended to represent groundwater conditions that have not been affected by releases from CCR units and provides the basis for comparison to downgradient groundwater quality within the monitoring system.

Monitoring well AW-2 is located along the eastern downgradient portion of the Unit 2 landfill and is screened within the uppermost aquifer. Well AW-2 is one of the monitoring wells in which statistically significant levels of arsenic were previously identified.

Piezometer P07D is located downgradient of the Unit 2 landfill and is screened within the uppermost aquifer at the unconsolidated material/bedrock interface.

Monitoring well G121 is located along the northern portion of the Unit 2 landfill and monitors groundwater quality within the uppermost aquifer. Previous evaluations have identified G121 as being hydraulically downgradient of both the Unit 2 landfill and portions of the Dallman Ash Pond.

Monitoring well G122 is located along the northern perimeter of the Unit 2 landfill and is screened within the uppermost aquifer.

### *2.1.2 Temporary Assessment Wells*

Monitoring wells AW-4, AW-5, AW-6 and AP-17 were installed pursuant to Condition III.C of the AOR as temporary assessment wells to further evaluate groundwater flow conditions within the uppermost aquifer immediately upgradient of FGDS Development Landfill Unit 2.

AW-4 was installed immediately upgradient of Unit 2 in the vicinity of former piezometer P02D to evaluate groundwater quality and groundwater elevations before groundwater reaches the Unit 2 monitoring network. The well was used to assess whether arsenic-bearing groundwater, including groundwater containing arsenic above the GWPS, is present upgradient of the landfill and to provide hydraulic control for groundwater flow interpretations.

AW-5 was installed immediately upgradient of Unit 2 to provide additional groundwater quality and groundwater elevation data between the Dallman Ash Pond area and the Unit 2 monitoring network. The well was used to evaluate constituent distribution and continuity along the interpreted groundwater flow path.

AW-6 was installed as an intervening well between AW-1 and the Unit 2 monitoring system to evaluate the interpreted groundwater flow path identified in the September 2025 ASD. The well provides groundwater quality and groundwater elevation data from a location situated between the suspected source area and the downgradient monitoring wells.

AP-17 was installed pursuant to Condition III.C and provides supplemental groundwater quality and groundwater elevation information used to refine interpretations of groundwater flow conditions within the study area.

Groundwater quality and groundwater elevation data obtained from AW-4, AW-5, AW-6 and AP-17 were used to evaluate hydraulic continuity and constituent distribution between the Dallman Ash Pond area and monitoring wells AW-2, P07D, and G121.

Supporting well construction records, including boring logs, well completion reports, and well development forms, are included in Appendix A, Appendix B and Appendix C, respectively.

## 2.2 Additional Evaluation Wells

Groundwater quality and groundwater elevation data from nearby monitoring wells were also evaluated to support interpretation of groundwater flow conditions and constituent distribution within the uppermost aquifer. These wells are not part of the Unit 2 groundwater monitoring system but provide additional information regarding groundwater conditions surrounding the Dallman Ash Pond and the Unit 2 landfill. The additional evaluation wells include AW-1, R111, G112, and G120.

AW-1 is located adjacent to the Dallman Ash Pond and provides groundwater quality and groundwater elevation data within the area identified as the potential source region. AW-1 serves as the principal upgradient reference location for evaluating arsenic distribution within the study area.

R111 provides information regarding groundwater quality and groundwater elevations north of Unit 1 and upgradient of portions of the Unit 2 monitoring network.

G112 provides groundwater quality data from the northern portion of Unit 1 and is useful for evaluating groundwater conditions approaching the Unit 2 area.

G120 is located adjacent to the Dallman Ash Pond and provides groundwater quality and groundwater elevation data from a location hydraulically upgradient of the Unit 2 monitoring system.

Data from these wells were used together with the data from the Unit 2 groundwater monitoring system to evaluate the interpreted groundwater flow path, constituent occurrence, and potential source relationships.

The detailed interpretive evaluation presented in this report focuses on R101, AW-2, P07D, G121, G122, AW-4, AW-5, AW-6, AW-1, R111, G112, and G120. These locations provide the information most directly relevant to evaluating groundwater conditions hydraulically upgradient of and within the Unit 2 monitoring system. AP-17 is discussed separately as a supplemental assessment location installed pursuant to the AOR. Results from other site monitoring locations are retained in the supporting analytical record but are discussed only where needed to provide regional hydraulic, background, side-gradient, or data-quality context.

# 3. Well Installation and Construction

## 3.1 Installation Program

Pursuant to Condition III.C of the AOR, CWLP installed assessment wells AW-4, AW-5, AW-6, and AP-17 to obtain additional groundwater quality and groundwater elevation data for evaluation of the ASD. The well locations were selected to evaluate groundwater flow conditions between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system.

AW-4 and AW-5 were installed immediately upgradient of Unit 2 to evaluate groundwater quality entering the monitoring network. AW-6 was installed as an intervening well between AW-1 and the Unit 2 monitoring wells to evaluate the interpreted groundwater flow path identified in the September 2025 ASD. AP-17 was installed to provide additional hydraulic and groundwater quality information within the study area.

Well installation, surveying, development, and construction documentation were previously submitted to USEPA and are summarized in this report. Supporting records are provided in Appendix A, Appendix B, and Appendix C.

## 3.2 Subsurface Conditions Encountered

### *3.2.1 Lithology Summary*

Subsurface conditions encountered during installation of AW-4, AW-5, AW-6, and AP-17 were generally consistent with conditions documented during previous investigations. The borings encountered fine-grained overburden soils overlying a basal sand deposit and weathered bedrock.

The upper portion of the sediment profile generally consisted of silty clay, clayey silt, and fill materials. Groundwater-bearing materials encountered within the assessment area included creek-fill deposits, shallow sand, basal sand, and weathered-bedrock interface.

The stratigraphy observed during drilling is generally consistent with the site conceptual model and supports the presence of an interpreted groundwater flow path through the assessment area.

### *3.2.2 Groundwater-Bearing Materials*

Groundwater-bearing sand and related fill materials were encountered within the assessment well borings. These materials varied in texture and thickness and included intermittent shallow sand, silty sand, localized gravel, and sand near the weathered-bedrock interface.

The monitoring intervals were selected to evaluate groundwater conditions within the uppermost aquifer and to remain generally consistent with the existing monitoring network. The boring observations support the presence of hydraulically connected or locally interconnected groundwater-bearing materials across the assessment area. However, the basal sand is the most substantial water-bearing deposit. With the exception of AW-6, the stratigraphy consists of mostly silty clay to clayey silt deposits.

The creek-fill, shallow-sand, basal-sand, and weathered-bedrock interface collectively comprises the interpreted groundwater flow path evaluated in this report. However, individual strata may be discontinuous and/or hydraulically isolated.

### *3.2.3 Bedrock Interface Observations*

At each boring location, the basal sand directly overlies weathered bedrock. Bedrock conditions were generally consistent with previous investigations completed within the study area.

The basal sand/weathered-bedrock interface forms the primary monitoring interval for the groundwater monitoring network and influences groundwater flow within the uppermost aquifer. To maintain consistency with the existing monitoring system, each assessment well was screened across this interval.

The observed conditions indicate that groundwater movement may occur through creek-fill materials, shallow sand, basal sand, and along the hydraulically connected weathered-bedrock interface. These features collectively form the interpreted groundwater flow path within the assessment area. However, some of the deposits are limited in extent and may contain solutes with minimal to no migration.

## 3.3 Well Construction Details

Monitoring wells AW-4, AW-5, AW-6, and AP-17 were constructed using standard groundwater monitoring well installation procedures. Each well was completed within the uppermost aquifer and screened across the basal sand/weathered-bedrock interface to allow collection of representative groundwater quality and groundwater elevation data.

Following installation, each well was surveyed to establish horizontal coordinates and vertical elevations. Wells were then developed to remove drilling-related sediment and improve hydraulic communication with the surrounding formation. Development continued until field conditions were considered suitable for groundwater monitoring.

Detailed construction information, including lithologic logs, screen intervals, filter pack placement, annular seal construction, development records, and survey information, was previously submitted to USEPA.

Supporting documentation is provided as follows:

- Appendix A – Boring Logs
- Appendix B – Well Completion Reports
- Appendix C – Well Development Records

These documents provide the construction and development information supporting the groundwater quality and groundwater flow evaluations presented in this report.

# 4. Groundwater Sampling Program

Groundwater quality data evaluated in this report were collected during monitoring events completed in November 2025, February 2026, June 2026, and July 2026. These data were used to evaluate constituent occurrence, concentration trends, groundwater flow relationships, and potential source relationships within the uppermost aquifer. Groundwater quality data were evaluated together with groundwater elevations and potentiometric surface interpretations presented in Section 5.

Monitoring wells AW-4, AW-5, AW-6, and AP-17 were installed in May 2026 pursuant to Condition III.C. Groundwater elevations were measured following installation and development of these wells. Groundwater sampling began during the June 2026 monitoring event and was repeated in July 2026.

## 4.1 Sampling Procedures

Groundwater sampling was performed in accordance with the approved groundwater monitoring program for the facility. Groundwater elevations were measured before each sampling event and were used for groundwater flow evaluations and potentiometric surface development.

Wells were sampled using low-flow techniques. Field parameters, including pH, specific conductance, temperature, dissolved oxygen, oxidation-reduction potential, and turbidity, were monitored during purging. Samples were collected following stabilization of applicable field parameters and were preserved, handled, and shipped under chain-of-custody procedures.

The same procedures were used throughout the monitoring period to maintain consistency among sampling events.

## 4.2 Analytical Suite

Samples were analyzed for constituents required by the approved groundwater monitoring program and the Condition III.C investigation.

The analytical program included:

- 40 CFR Part 257, Appendix III, detection monitoring constituents — boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS).
- 40 CFR Part 257, Appendix IV, assessment monitoring constituents — antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, lead, lithium, mercury, molybdenum, selenium, thallium, and combined radium-226 and radium-228.

Application of a consistent analytical suite (Table 3) allowed comparison of constituent concentrations among monitoring locations and between monitoring events.

## 4.3 Quality Assurance / Quality Control

Quality assurance and quality control procedures were implemented throughout the investigation to ensure the reliability of groundwater elevation measurements, field sampling activities, and laboratory analytical results.

### *4.3.1 Field QA/QC*

Field quality assurance procedures were implemented during both sampling events and included:

- Calibration of field instruments before use in accordance with the manufacturer specifications.
- Collection and documentation of field parameter measurements.
- Use of standardized sampling procedures and equipment.
- Measurement and documentation of groundwater elevations prior to sampling.
- Sample preservation and handling procedures consistent with laboratory requirements.
- Completion of field logs and chain-of-custody documentation.
- Proper decontamination of reusable sampling equipment between monitoring locations, as applicable.

Field procedures were conducted by qualified personnel using established sampling protocols to promote consistency and data quality throughout the investigation.

### *4.3.2 Laboratory QA/QC*

Analytical testing was performed by an accredited environmental laboratory using EPA-approved analytical methods and laboratory quality control procedures.

Laboratory QA/QC measures included:

- Method blanks.

- Laboratory control samples.
- Matrix spikes and matrix spike duplicates.
- Laboratory duplicates.
- Calibration standards and continuing calibration verification samples.
- Internal quality control checks required by individual analytical methods.

Laboratory reports included the applicable QA/QC documentation and data qualifiers necessary for evaluation of analytical results. The laboratory analytical reports are included in Appendix D.

### *4.3.3 Data Usability*

Groundwater quality data generated during fourth quarter 2025, first quarter 2026, second quarter 2026, and third quarter 2026 monitoring events were reviewed for completeness, consistency, and usability. Field documentation, chain-of-custody records, laboratory reports, holding times, analytical qualifiers, and QA/QC results were reviewed to assess whether the resulting data were suitable for use in the ASD evaluation.

Based on the review of the field and laboratory quality assurance information, the analytical results are considered appropriate for evaluating groundwater quality conditions, groundwater flow relationships, constituent distribution, and potential source relationships within the study area. The groundwater quality data presented in this report are therefore suitable for use in the groundwater flow path analysis, geochemical evaluation, and alternate source determination discussed in subsequent sections.

Turbidity conditions were evaluated during both well development and groundwater sampling activities. Development records indicate that monitoring wells AW-4, AW-5, AW-6, and AP-17 were developed to turbidity values generally below 10 NTU prior to acceptance for groundwater monitoring. During subsequent sampling events, higher turbidity measurements were reported at certain locations despite extended low-flow purging periods. Field documentation indicates that wells were purged for extended durations and that pH, temperature, specific conductance, dissolved oxygen, and oxidation-reduction potential stabilized prior to sample collection. Accordingly, the analytical data generated from these monitoring locations are considered representative of groundwater conditions within the monitored interval and suitable for use in the evaluations presented herein.

Turbidity varied among monitoring locations during the investigation. Elevated turbidity was observed in several wells, including AW-6 (38 NTU), G120 (59 NTU), and P07D (18 NTU). Similar turbidity conditions have been observed historically within portions of the monitoring network. Despite these conditions, samples were collected using low-flow sampling procedures following stabilization of field parameters. The resulting analytical data are considered suitable for

evaluating groundwater quality conditions and groundwater flow relationships. Additional discussion of turbidity is provided in Section 6.2.

# 5. Groundwater Elevation Evaluation

Groundwater elevations were measured during monitoring events conducted between November 2025 and July 2026 to evaluate groundwater flow conditions, assess hydraulic gradients, and refine the conceptual groundwater flow model developed during the September 2025 ASD. Water level measurements were obtained from the existing groundwater monitoring network during the fourth quarter 2025 and first quarter 2026 monitoring events and from the expanded monitoring network following installation of assessment wells AW-4, AW-5, AW-6, and AP-17 in May 2026 (Table 1). Potentiometric surface maps were developed for each monitoring event using the measured groundwater elevations. Collectively, these data provide a comprehensive evaluation of groundwater flow conditions before and after implementation of the Condition III.C investigation.

Groundwater elevations measured during November 2025, February 2026, May 2026, June 2026, and July 2026 indicate a consistent hydraulic gradient across the study area (Table 2). Monitoring wells AW-1 and G120 consistently exhibited higher groundwater elevations than AW-2, P07D, G121, and G122, indicating that the Dallman Ash Pond area is hydraulically upgradient of the Unit 2 groundwater monitoring system. Installation of assessment wells AW-4, AW-5, AW-6, and AP-17 improved hydraulic control within the study area and confirmed the groundwater flow pattern interpreted in the September 2025 ASD. Groundwater elevations measured during May, June, and July 2026 are consistent with groundwater movement from the west and southwest toward the east and northeast.

The potentiometric surface maps also depict major site features, including FGDS Development Landfill Units 1 and 2, the Dallman Ash Pond, Lake Springfield, Sugar Creek, and the groundwater monitoring network used for this evaluation. Groundwater flow is interpreted to occur approximately perpendicular to potentiometric contours, from areas of higher hydraulic head toward areas of lower hydraulic head.

## 5.1 Fourth Quarter 2025

Groundwater elevations measured during the fourth quarter 2025 monitoring event provide the earliest hydraulic dataset evaluated as part of this investigation and establish baseline groundwater conditions within the existing monitoring network prior to implementation of the Condition III.C investigation. The groundwater elevation measurements were used to prepare the Fourth Quarter 2025 Potentiometric Surface Map (Figure 3).

The November 2025 potentiometric surface indicates that groundwater elevations generally decrease from the western and southwestern portions of the study area toward the eastern and northeastern portions of the site. Groundwater elevations in monitoring wells located near the Dallman Ash Pond area are generally higher than those observed within the Unit 2 groundwater monitoring system, indicating a hydraulic gradient directed toward AW-2, P07D, and G121. The November 2025 potentiometric surface therefore provides baseline evidence that groundwater movement occurs from areas adjacent to the Dallman Ash Pond toward the Unit 2 groundwater monitoring network.

## 5.2 First Quarter 2026

Groundwater elevations measured during the first quarter 2026 monitoring event provided a second independent evaluation of groundwater flow conditions within the existing monitoring network. These measurements were used to prepare the First Quarter 2026 Potentiometric Surface Map (Figure 4).

Comparison of the February 2026 potentiometric surface with the November 2025 interpretation indicates that groundwater flow conditions remained generally consistent between monitoring events. Groundwater elevations continued to decrease from the Dallman Ash Pond area toward the Unit 2 groundwater monitoring system, supporting groundwater movement toward AW-2, P07D, and G121. The similarity between the November 2025 and February 2026 potentiometric surface interpretations supports the conclusion that the observed hydraulic gradients reflect consistent groundwater flow conditions rather than short-term fluctuations.

## 5.3 May 2026

Water level measurements obtained during May 2026 represent the first groundwater elevations obtained following installation and development of assessment wells AW-4, AW-5, AW-6, and AP-17. These measurements established baseline hydraulic conditions within the expanded monitoring network and were used to prepare the May 2026 Potentiometric Surface Map (Figure 5).

The additional monitoring locations provided substantially improved hydraulic control across the study area. The resulting potentiometric surface interpretation supports the groundwater flow pattern identified during the November 2025 and February 2026 monitoring events and further refines groundwater flow conditions between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system. Groundwater elevations measured at AW-4, AW-5, AW-6, and AP-17 are consistent with groundwater movement from the west and southwest toward the east and northeast. The May 2026 potentiometric surface provides the first direct hydraulic evidence from the newly installed assessment wells and supports hydraulic continuity between AW-1 and monitoring wells AW-2, P07D, and G121.

## 5.4 Second Quarter 2026

Groundwater elevations were measured immediately prior to the June 2026 groundwater sampling event and provide the primary basis for evaluating groundwater flow conditions concurrent with the collection of the first round of groundwater chemistry data. The June groundwater elevation measurements were used to prepare the June 2026 Potentiometric Surface Map (Figure 6).

The June 2026 potentiometric surface indicates groundwater flow conditions that are generally consistent with those identified during previous monitoring events. Groundwater elevations measured at AW-6 place the well between AW-1 and the Unit 2 groundwater monitoring system and support the conclusion that AW-6 occurs along the interpreted groundwater flow path extending from the Dallman Ash Pond area toward AW-2, P07D, and G121. The June groundwater elevations and potentiometric surface interpretation provide additional support for the conceptual groundwater flow path evaluated as part of the ASD.

## 5.5 Third Quarter 2026

Groundwater elevations were again measured in conjunction with the second groundwater sampling event completed in July 2026. These data provide an independent evaluation of hydraulic conditions within the uppermost aquifer and were used to prepare the July 2026 Potentiometric Surface Map (Figure 7).

Comparison of the July 2026 potentiometric surface with the May and June 2026 interpretations indicates that groundwater flow conditions remained generally stable throughout the investigation period. Groundwater elevations continued to indicate movement from the Dallman Ash Pond area toward the Unit 2 groundwater monitoring system and support hydraulic continuity among AW-1, AW-6, AW-4, AW-5, AW-2, P07D, and G121. The persistence of this groundwater flow pattern during multiple monitoring events provides additional support for the interpretation that groundwater quality conditions within the Unit 2 monitoring system are influenced by groundwater originating from hydraulically upgradient portions of the site.

## 5.6 Hydraulic Relationships and Groundwater Flow Interpretation

Groundwater elevations, potentiometric surface maps, and hydraulic gradients were evaluated collectively to assess groundwater flow conditions between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system. A primary objective of the Condition III.C investigation was to determine whether the groundwater flow path proposed in the September 2025 ASD is supported by the additional hydraulic control provided by assessment wells AW-4, AW-5, AW-6, and AP-17.

Groundwater elevations measured during multiple monitoring events consistently indicate that AW-1 is hydraulically upgradient of AW-6, AW-4, AW-5, AW-2, P07D, and G121. This relationship is evident in each potentiometric surface interpretation and is consistent with groundwater movement originating from the vicinity of the Dallman Ash Pond and progressing toward the Unit 2 groundwater monitoring system. The persistence of this hydraulic relationship through multiple monitoring events indicates that the observed gradients are representative of site-wide groundwater flow conditions rather than short-term fluctuations.

Monitoring well AW-6 was installed as an intervening well specifically to evaluate the interpreted groundwater flow path between AW-1 and the Unit 2 monitoring network. Groundwater elevations indicate that AW-6 occupies a hydraulically intermediate position between AW-1 and the downgradient monitoring wells. Potentiometric surface interpretations developed from the May, June, and July 2026 groundwater elevation data place AW-6 within the interpreted groundwater flow path extending from the Dallman Ash Pond area toward AW-2, P07D, and G121. The hydraulic position of AW-6 therefore supports the conceptual groundwater flow model developed during the September 2025 ASD.

Groundwater elevations measured at AW-4 and AW-5 provide additional hydraulic control immediately upgradient of Unit 2 and indicate continuity of groundwater flow conditions along the interpreted flow path from AW-1 and AW-6 toward the Unit 2 monitoring system. Evaluation of hydraulic gradients among AW-1, AW-6, AW-4, AW-5, AW-2, P07D, and G121 indicates that groundwater movement generally trends from the west and southwest toward the east and northeast, consistent with the potentiometric surface interpretations developed during the investigation (Table 2).

Hydraulic gradient calculations demonstrate that AW-1 consistently exhibits higher groundwater elevations than AW-6 and the Unit 2 monitoring wells. Hydraulic relationships between AW-6 and the downgradient monitoring locations are more variable because local gradients within the central portion of the study area are relatively small; however, when evaluated together with the potentiometric surface maps, the overall hydraulic framework supports groundwater movement from the Dallman Ash Pond area toward the Unit 2 groundwater monitoring system. The hydraulic gradients therefore should be interpreted in conjunction with the potentiometric surface maps rather than as isolated indicators of groundwater flow direction.

Groundwater elevations measured during June and July 2026 indicate that AW-1 remained hydraulically upgradient of AW-6, AW-4, AW-5, AW-2, P07D, and G121 during both monitoring events. The hydraulic gradient between AW-1 and AW-6 remained consistent, ranging from approximately 0.024 to 0.027 ft/ft, indicating a persistent hydraulic relationship between the Dallman Ash Pond area and the central portion of the study area.

Hydraulic relationships between AW-4, AW-5, and the Unit 2 monitoring wells indicate that groundwater elevations generally decline from the Dallman Ash Pond area toward AW-2, P07D, and G121. While local gradients between individual wells are relatively small and occasionally variable, the overall potentiometric surface interpretation remains consistent with groundwater movement from the west and southwest toward the east and northeast.

When evaluated together with the potentiometric surface maps and groundwater chemistry data, the hydraulic gradients support groundwater flow relationships between the hydraulically upgradient assessment area and the Unit 2 groundwater monitoring system and provide a hydraulic mechanism for movement of arsenic-bearing groundwater toward AW-2, P07D, and G121.

Collectively, the groundwater elevation data, potentiometric surface maps, and hydraulic gradient analyses indicate a consistent groundwater flow pattern within the uppermost aquifer. Installation of AW-4, AW-5, AW-6, and AP-17 improved hydraulic control within the study area but did not materially alter the groundwater flow interpretation developed during the September 2025 ASD. Instead, the additional monitoring locations refined the conceptual groundwater flow model and provided additional support for the interpretation that groundwater originating in the vicinity of the Dallman Ash Pond can migrate through the uppermost aquifer toward monitoring wells AW-2, P07D, and G121.

The hydraulic interpretation developed in this section provides the framework for evaluating groundwater quality trends and source relationships discussed in the sections that follow.

# 6. Groundwater Quality Results

Groundwater quality results from the fourth quarter 2025, first quarter 2026, second quarter 2026, and third quarter 2026 monitoring events were evaluated to assess constituent occurrence, temporal trends, and spatial relationships within the uppermost aquifer. Groundwater quality data were reviewed in conjunction with groundwater elevation measurements and potentiometric surface interpretations presented in Section 5 to evaluate the relationship between constituent distributions and the interpreted groundwater flow system.

The primary objective of the groundwater quality evaluation was to determine whether the occurrence of arsenic and associated groundwater quality constituents within the Unit 2 groundwater monitoring system is more consistent with groundwater conditions originating from hydraulically upgradient portions of the site, including the Dallman Ash Pond area, than with releases from FGDS Development Landfill Unit 2. Particular emphasis was therefore placed on constituents that provide meaningful information regarding the interpreted groundwater flow path, constituent migration, and geochemical continuity across the study area.

The Unit 2 groundwater monitoring system consists of monitoring wells R101, AW-2, P07D, G121, and G122 (Figure 2). To provide additional hydraulic and groundwater quality information between the Dallman Ash Pond area and the Unit 2 monitoring network, assessment wells AW-4, AW-5, and AW-6 were installed as part of the Condition III.C investigation (Figure 2). Assessment well AP-17 was installed to provide supplemental groundwater elevation and groundwater quality data within the study area. Additional monitoring wells, including AW-1, G120, G112, and R111, were also evaluated because they provide important groundwater quality information along the interpreted groundwater flow path and within adjacent portions of the site.

The second and third quarter 2026 monitoring events represent the first complete groundwater quality dataset obtained from the newly installed assessment wells and therefore provide the most direct evaluation of groundwater quality conditions occurring between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system. These data provide an opportunity to evaluate whether constituents detected within the Unit 2 groundwater monitoring system are already present in groundwater hydraulically upgradient of the landfill monitoring network.

Groundwater quality results were evaluated for all Appendix III and Appendix IV constituents included within the approved groundwater monitoring program. Particular focus was placed on arsenic, boron, calcium, lithium, pH, sulfate, and total dissolved solids (TDS). Arsenic is the primary constituent of concern associated with this investigation, while boron and sulfate are recognized CCR indicator constituents that provide useful information regarding groundwater affected by CCR-related sources. Calcium, lithium, pH, and TDS were evaluated as additional indicators of groundwater chemistry because these parameters provide insight regarding groundwater geochemistry, constituent transport, and continuity of groundwater quality conditions between monitoring locations.

Analytical results are summarized in Table 4, and groundwater protection standard exceedances are summarized in Table 5. The following sections evaluate individual groundwater quality parameters and discuss their occurrence and distribution relative to groundwater flow conditions and arsenic occurrence within the study area.

## 6.1 Analytical Results

Groundwater quality results were evaluated for all Appendix III and Appendix IV constituents included in the approved groundwater monitoring program. Particular focus was placed on arsenic, boron, calcium, lithium, pH, sulfate, and total dissolved solids (TDS). Arsenic is the primary constituent of concern associated with this investigation. Boron and sulfate were evaluated because they are recognized CCR indicator constituents, while calcium, lithium, pH, and TDS were evaluated as supporting groundwater chemistry parameters that provide additional information regarding groundwater geochemistry, constituent transport, and continuity of groundwater quality conditions between monitoring locations.

The analytical results indicate that elevated concentrations of arsenic and several associated groundwater quality constituents occur throughout portions of the study area. Arsenic, boron, calcium, lithium, sulfate, and elevated TDS concentrations were identified in multiple monitoring wells located within the interpreted groundwater flow path, including monitoring wells AW-1, G120, AW-6, AW-4, AW-5, AW-2, P07D, and G121. In contrast, background and side-gradient monitoring locations generally exhibited lower constituent concentrations and did not display the same combination of elevated groundwater quality parameters. Analytical results are summarized in Table 4, and groundwater protection standard exceedances are summarized in Table 5. Temporal concentration trends for principal groundwater quality constituents are presented in Appendix E.

The following sections evaluate individual groundwater quality parameters and discuss their occurrence and distribution relative to groundwater flow conditions and arsenic occurrence within the study area.

A significant development during the reporting period was the installation and subsequent sampling of assessment wells AW-4, AW-5, AW-6, and AP-17. Groundwater quality data from these wells provide direct information regarding groundwater conditions between the Dallman Ash Pond area and the Unit 2 groundwater monitoring network. The occurrence of arsenic and supporting groundwater-quality constituents in these assessment wells demonstrates that arsenic-bearing groundwater is present hydraulically upgradient of AW-2, P07D, and G121 and provides an important line of evidence for evaluating source relationships within the study area.

Evaluation of the analytical results indicates that several groundwater quality constituents exhibit spatial distributions that are generally consistent with the interpreted groundwater flow pattern presented in Section 5. In particular, arsenic and associated indicator constituents occur along the interpreted groundwater flow path extending from the vicinity of the Dallman Ash Pond area through the newly installed assessment wells and toward the Unit 2 groundwater monitoring system. The presence of these constituents within groundwater hydraulically upgradient of the Unit 2 monitoring wells is an important consideration in evaluating the source of groundwater quality impacts observed within the monitoring network.

The following subsections discuss arsenic and selected supporting groundwater quality parameters in greater detail. Each parameter was evaluated with respect to its occurrence, concentration distribution, relationship to arsenic, and relevance to interpretation of groundwater flow and constituent migration within the study area. Collectively, these data provide multiple independent geochemical lines of evidence for evaluating groundwater quality conditions between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system.

### 6.1.1 Arsenic

Arsenic is the primary constituent of concern associated with this investigation and provides the principal basis for evaluating the ASD. Consequently, arsenic occurrence, concentration distribution, temporal persistence, and spatial relationships were evaluated in detail using data collected during the fourth quarter 2025, first quarter 2026, second quarter 2026, and third quarter 2026 groundwater monitoring events. Arsenic concentration trends are illustrated on the graph in Appendix E.

Arsenic concentrations exceeding the applicable groundwater protection standard of 0.010 mg/L were identified repeatedly in a few monitoring wells within the study area. During the reporting period, arsenic was repeatedly detected in monitoring wells AW-1, G120, AW-2, P07D, G121, and R111, with concentrations above the GWPS occurring in a subset of these wells and monitoring events. Among the newly installed assessment wells, arsenic exceeded the GWPS in AW-4 during the second-quarter 2026 event and in AW-6 during both the second- and third-quarter 2026 events. Arsenic was detected below the GWPS in AW-5 during both events and in AW-4 during the third-quarter event. In contrast, lower arsenic concentrations generally occurred in background and side-gradient monitoring locations including R101 and G122 (Table 4 and Table 5).

The second quarter 2026 monitoring event provided the first groundwater quality data from assessment wells AW-4, AW-5, AW-6, and AP-17. Arsenic was detected in all four assessment wells, with concentrations ranging from 0.0062 mg/L in AP-17 to 0.0301 mg/L in AW-6. Arsenic concentrations measured in AW-4 and AW-5 were 0.0143 mg/L and 0.0086 mg/L, respectively. The occurrence of arsenic within each of the newly installed monitoring locations demonstrates that arsenic-bearing groundwater is present between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system. Arsenic concentrations exceeded the GWPS in AW-4 and AW-6 during this monitoring event.

The third quarter 2026 monitoring event provided a second independent groundwater quality dataset from the assessment well network. Arsenic was detected in AW-4 (0.0084 mg/L), AW-5 (0.0096 mg/L), AW-6 (0.0250 mg/L), and AP-17 (0.0043 mg/L). Arsenic was also detected in AW-1 (0.0813 mg/L), AW-2 (0.0098 mg/L), P07D (0.0305 mg/L), G121 (0.0177 mg/L), and G122 (0.0031 mg/L). The repeated detection of arsenic in the assessment wells demonstrates the persistence of arsenic-bearing groundwater within the area separating the Dallman Ash Pond and the Unit 2 monitoring network.

Evaluation of the complete analytical record indicates that arsenic occurs at multiple locations along the interpreted groundwater flow path extending from hydraulically upgradient portions of the assessment area toward the Unit 2 groundwater monitoring system. The highest arsenic concentrations during the monitoring period were observed in AW-1, where concentrations

ranged from approximately 0.036 mg/L to 0.152 mg/L. Arsenic concentrations above the GWPS were observed during one or more monitoring events in AW-6, P07D, G121, G120, R111, and AW-2, with maximum reported concentrations of 0.0301, 0.0305, 0.0177, 0.0169, 0.0171, and 0.0144 mg/L, respectively. These concentrations are generally greater than those observed in background and side-gradient monitoring locations and support the interpreted distribution of arsenic along the groundwater flow path.

The occurrence and distribution of arsenic within the groundwater monitoring network were evaluated using the groundwater quality data summarized in Table 4 and Table 5. The significance of arsenic occurrence relative to groundwater flow conditions and source evaluation is discussed further in Section 7.

Particularly significant to this investigation is the occurrence of arsenic in assessment wells AW-4, AW-5, and AW-6. These wells were installed specifically to characterize groundwater quality conditions between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system. The detection of arsenic in these wells during multiple monitoring events demonstrates that arsenic-bearing groundwater exists hydraulically upgradient of AW-2, P07D, and G121. Arsenic concentrations above the GWPS were documented in AW-4 during the second-quarter event and in AW-6 during both post-installation monitoring events. Accordingly, groundwater containing arsenic is present before groundwater reaches the Unit 2 monitoring network.

Comparison of arsenic concentrations among monitoring wells located along the interpreted groundwater flow path indicates that arsenic remains detectable at multiple upgradient, intermediate, and Unit 2 monitoring locations. Arsenic concentrations vary along the pathway, with the highest concentrations generally observed in AW-1. The occurrence of arsenic in AW-1, G120, AW-6, AW-4, AW-5, AW-2, P07D, and G121 is consistent with the groundwater flow pattern interpreted from groundwater elevations and potentiometric surface mapping presented in Section 5. This spatial relationship indicates that arsenic occurrence is more closely associated with groundwater movement through the study area than with conditions localized at the Unit 2 monitoring wells.

Temporal trends observed during the reporting period further support this interpretation. Arsenic was detected repeatedly at similar locations during each monitoring event despite seasonal fluctuations in groundwater elevation and sampling conditions. The recurrence of arsenic in the same monitoring wells through time indicates a persistent groundwater quality condition rather than an isolated analytical anomaly or transient sampling artifact.

Overall, the arsenic dataset demonstrates that arsenic is present hydraulically upgradient of the Unit 2 groundwater monitoring system and remains present at multiple locations within the interpreted groundwater flow path toward AW-2, P07D, and G121. The distribution, persistence,

and concentration patterns observed during the reporting period provide a primary line of geochemical evidence supporting the ASD.

### 6.1.2 Boron

Boron was evaluated as a key supporting parameter because it is a recognized CCR indicator constituent and exhibits a spatial distribution that can be compared directly with arsenic occurrence and the interpreted groundwater flow system. Boron was selected for detailed evaluation because it occurs throughout much of the study area and provides an independent line of geochemical evidence for assessing groundwater migration between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system. Boron concentration trends are illustrated on the graph in Appendix E.

During the fourth quarter 2025, first quarter 2026, second quarter 2026, and third quarter 2026 monitoring events, boron concentrations exceeding the applicable groundwater protection standard were identified in monitoring wells AW-1, G120, AW-2, G121, G122, P07D, and R111. Elevated boron concentrations were also identified in the newly installed assessment wells AW-4, AW-5, AW-6, and AP-17 during the second and third quarter 2026 monitoring events. Although boron concentrations varied among monitoring locations, the constituent was consistently present within wells situated along the interpreted groundwater flow path extending from the Dallman Ash Pond area toward the Unit 2 groundwater monitoring system.

The second quarter 2026 monitoring event provided the first boron dataset from assessment wells AW-4, AW-5, AW-6, and AP-17. Boron concentrations measured 0.177 mg/L in AW-4, 0.259 mg/L in AW-5, 9.21 mg/L in AW-6, and 0.160 mg/L in AP-17. The occurrence within each assessment well indicates that boron is present throughout the area separating the Dallman Ash Pond area from the Unit 2 monitoring network. Notably, boron concentrations in AW-6 were comparable to concentrations observed in AW-1 (10.0 mg/L) and G120 (7.87 mg/L), indicating a strong similarity in groundwater chemistry among these hydraulically connected locations.

The third quarter 2026 monitoring event provided a second independent dataset from the assessment well network and confirmed the persistence of boron within groundwater across the study area. Boron concentrations measured 0.202 mg/L in AW-4, 0.220 mg/L in AW-5, 9.13 mg/L in AW-6, and 0.188 mg/L in AP-17. Concentrations remained elevated in AW-1 (9.57 mg/L), G120 (7.93 mg/L), AW-2 (2.58 mg/L), P07D (4.43 mg/L), G121 (3.83 mg/L), and G122 (11.2 mg/L). The recurrence of boron within both the existing monitoring network and the newly installed assessment wells indicates a persistent groundwater quality condition rather than a temporary or isolated analytical observation.

Spatial evaluation of boron concentrations indicates a distribution generally consistent with the groundwater flow system interpreted from groundwater elevations and potentiometric surface

mapping. The highest boron concentrations during the reporting period occurred in AW-1, G120, AW-6, and G122, while intermediate concentrations occurred within the Unit 2 monitoring wells AW-2, P07D, and G121. Lower concentrations were observed in AW-4, AW-5, AP-17, and R101. Collectively, these locations define a pathway of boron occurrence extending from the vicinity of the Dallman Ash Pond area through the assessment well network and toward the Unit 2 groundwater monitoring system.

The relationship between boron and arsenic is particularly significant. Monitoring wells exhibiting elevated arsenic concentrations commonly also exhibit elevated boron concentrations. For example, AW-1, G120, AW-6, AW-2, P07D, and G121 consistently contained both arsenic and boron during the monitoring period. The co-occurrence of these constituents across multiple monitoring events and throughout the interpreted groundwater flow path indicates that boron and arsenic are responding to the same groundwater quality conditions and transport processes within the study area.

Assessment well AW-6 provides important geochemical information from a location between the Dallman Ash Pond area and the Unit 2 monitoring network. During the second and third quarters of 2026 monitoring events, boron concentrations at AW-6 were comparable to those measured at AW-1 and G120. The co-occurrence of arsenic above the GWPS and elevated boron at AW-6 provides evidence that arsenic-bearing groundwater with a supporting CCR indicator constituent is present hydraulically upgradient of the Unit 2 monitoring wells.

The occurrence of boron in assessment wells AW-4, AW-5, AW-6, and AP-17 further demonstrates that groundwater containing a CCR indicator constituent is present before groundwater reaches AW-2, P07D, and G121. While boron concentrations vary spatially, the overall pattern of occurrence is consistent with groundwater migration through the interpreted groundwater flow path toward the Unit 2 monitoring system. This distribution closely mirrors the broader arsenic occurrence pattern observed during the investigation.

Overall, boron concentrations provide an important supporting line of geochemical evidence for the ASD. The widespread occurrence of boron, its persistence through multiple monitoring events, its co-occurrence with arsenic, and its presence within assessment wells located hydraulically upgradient of the Unit 2 monitoring system collectively indicate that groundwater quality conditions observed within AW-2, P07D, and G121 are consistent with groundwater migrating from upgradient portions of the site rather than conditions originating solely within FGDS Development Landfill Unit 2.

### *6.1.3 Calcium*

Calcium was evaluated as a supporting groundwater chemistry parameter because it is a major dissolved constituent and contributes to the overall hydrochemical character of groundwater

within the study area. Calcium concentrations exceeding the applicable groundwater protection standard of 172.04 mg/L were identified in numerous monitoring locations during the reporting period, including AW-1, AW-4, AW-6, G120, G121, G122, P07D, and other monitoring locations within the broader analytical dataset. Calcium concentration trends are illustrated in the graph in Appendix E.

During the second quarter 2026 monitoring event, calcium concentrations measured approximately 211 mg/L in AW-1, 263 mg/L in G120, 228 mg/L in AW-6, 205 mg/L in AW-4, 189 mg/L in G121, 245 mg/L in G122, and 185 mg/L in P07D. Calcium concentrations in AW-5 (120 mg/L), AW-2 (158 mg/L), AP-17 (103 mg/L), and R101 (136 mg/L) were below the groundwater protection standard.

During the third quarter 2026 monitoring event, calcium concentrations remained elevated in several wells located within the interpreted groundwater flow path, including AW-1 (208 mg/L), G120 (265 mg/L), AW-6 (231 mg/L), G121 (186 mg/L), G122 (233 mg/L), and P07D (174 mg/L). Calcium concentrations in AW-4 (119 mg/L), AW-5 (114 mg/L), AW-2 (154 mg/L), AP-17 (108 mg/L), and R101 (142 mg/L) remained comparatively lower.

The distribution of calcium concentrations generally corresponds with the occurrence of elevated sulfate, boron, and total dissolved solids concentrations. Calcium concentrations tend to be highest in monitoring wells located adjacent to the Dallman Ash Pond area and within portions of the interpreted groundwater flow path. However, calcium is more broadly distributed throughout the groundwater monitoring network than arsenic and is therefore considered a supporting hydrochemical parameter rather than a primary indicator of groundwater migration.

Although calcium concentrations alone do not provide a unique fingerprint of groundwater source conditions, the persistence of elevated calcium concentrations in areas exhibiting elevated arsenic, boron, sulfate, and total dissolved solids is generally consistent with the groundwater quality trends identified during this investigation and supports the broader geochemical interpretation of groundwater movement from hydraulically upgradient portions of the site toward the Unit 2 groundwater monitoring system.

### *6.1.4 Lithium*

Lithium was evaluated as a supporting groundwater chemistry parameter because it occurs in many of the same monitoring wells exhibiting elevated arsenic, boron, sulfate, and total dissolved solids concentrations. Lithium concentrations were detected throughout portions of the groundwater monitoring network during the reporting period, including AW-1, AW-2, G120, G121, G122, P07D, and R111, as well as the Condition III.C assessment wells AW-4, AW-5, AW-6, and AP-17. However, lithium concentrations remained below the applicable groundwater protection

standard of 0.0524 mg/L in all monitoring events. Lithium concentration trends are illustrated in the graph in Appendix E.

During the second quarter 2026 monitoring event, lithium concentrations measured approximately 0.0104 mg/L in AW-1, 0.0077 mg/L in AW-6, 0.0208 mg/L in AW-5, 0.0050 mg/L in AW-2, 0.0076 mg/L in G121, and 0.0072 mg/L in G122. Lithium was also detected in AP-17 (0.0079 mg/L) and was reported below the laboratory reporting limit in AW-4, G120, and P07D.

During the third quarter 2026 monitoring event, lithium concentrations remained detectable throughout the interpreted groundwater flow path. Concentrations measured approximately 0.0099 mg/L in AW-1, 0.0071 mg/L in G120, 0.0101 mg/L in AW-6, 0.0139 mg/L in AW-4, 0.0196 mg/L in AW-5, 0.0071 mg/L in AW-2, 0.0089 mg/L in P07D, 0.0086 mg/L in G121, 0.0077 mg/L in G122, and 0.0097 mg/L in AP-17. The highest lithium concentrations observed during the reporting period occurred in monitoring well AW-5 (0.0208 mg/L), which remained below the applicable groundwater protection standard.

The distribution of lithium indicates occurrence at many of the same monitoring locations where arsenic and boron were detected. Lithium is present in AW-1, G120, AW-6, AW-5, AW-2, P07D, G121, and G122, indicating that the constituent occurs throughout the interpreted groundwater flow path extending from the Dallman Ash Pond area toward the Unit 2 groundwater monitoring system. Similar to boron, lithium was detected in the assessment wells located between the Dallman Ash Pond area and the Unit 2 monitoring network, demonstrating that groundwater containing multiple supporting groundwater quality constituents is present hydraulically upgradient of AW-2, P07D, and G121.

Although lithium concentrations remained below the applicable groundwater protection standard during the investigation, its occurrence in many of the same monitoring wells exhibiting elevated concentrations of arsenic, boron, sulfate, and total dissolved solids provides additional evidence of geochemical continuity between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system. Accordingly, lithium is considered a supporting indicator constituent that reinforces, but does not independently define, the groundwater migration patterns identified during this investigation.

### *6.1.5 pH*

Field pH (Appendix III Parameter) measurements were evaluated to assess general groundwater chemistry conditions throughout the monitoring network. The applicable groundwater protection standard for pH is 6.34 to 7.33 standard units. Field pH values measured during the reporting period were generally within or near the applicable groundwater protection standard range and did not exhibit the spatial trends observed for arsenic, boron, sulfate, calcium, or total dissolved solids. pH trends are illustrated in the graph in Appendix E.

During the fourth quarter 2025 monitoring event, pH values in the assessment-area wells were within the GWPS range.

During the first quarter 2026 monitoring event, field pH values in the existing assessment-area wells were generally within or near the applicable GWPS range. The results were generally consistent with those observed during the fourth quarter 2025 event and did not identify a distinct pH pattern between wells hydraulically upgradient of Unit 2 and wells within the Unit 2 groundwater monitoring system. Assessment wells AW-4, AW-5, AW-6, and AP-17 had not yet been installed and therefore were not included in the first quarter 2026 monitoring event.

During the second quarter 2026 monitoring event, pH values were generally within or near the GWPS range. The pH was 6.59 in AW-1, 6.33 in AW-2 (slightly below the lower GWPS of 6.34 SU), 6.44 in AW-4, 6.43 in AW-5, 6.80 in AW-6, 6.61 in G120, 6.66 in G121, and 6.70 in P07D. During the third quarter 2026 monitoring event, pH values remained relatively stable, ranging from approximately 6.54 in G122 to 6.96 at wells AW-5 and G121, with pH values of 6.63 in AW-1, 6.90 in AW-2, 6.89 in AW-4, 6.86 in AW-6, 6.85 in G120, and 6.85 in P07D.

The pH values observed within AW-1, G120, AW-6, AW-4, AW-5, AW-2, P07D, and G121 were generally similar and exhibited relatively little variability between monitoring events. No distinct pH pattern was identified that differentiates groundwater within the Unit 2 groundwater monitoring system from groundwater occurring hydraulically upgradient of the landfill. Likewise, pH values do not define a concentration gradient or geochemical signature that can be associated specifically with either the Dallman Ash Pond area or FGDS Development Landfill Unit 2.

Accordingly, pH is not considered a primary indicator constituent for evaluation of groundwater migration or potential source relationships within the study area. However, the relatively consistent pH values observed throughout the monitoring network indicate broadly similar groundwater geochemical conditions and do not contradict the groundwater flow and constituent distribution patterns identified through evaluation of arsenic, boron, sulfate, calcium, and total dissolved solids. As such, pH provides supporting information regarding general groundwater quality conditions within the uppermost aquifer.

### *6.1.6 Sulfate*

Sulfate concentrations exceeding the applicable groundwater protection standard of 279.78 mg/L were identified in numerous monitoring wells during the reporting period, including AW-1, G120, G121, G122, P07D, and AW-4. Sulfate concentration trends are illustrated in the graph in Appendix E.

During the second quarter 2026 monitoring event, sulfate concentrations measured approximately 411 mg/L in AW-1, 566 mg/L in G120, 408 mg/L in AW-4, 335 mg/L in G121, 516 mg/L in G122, and 290 mg/L in P07D. Sulfate concentrations in AW-6 (96.4 mg/L), AW-2 (174 mg/L), AW-5 (25.3 mg/L), and AP-17 (<10 mg/L) were lower but remained useful for evaluating groundwater chemistry trends within the study area.

During the third quarter 2026 monitoring event, sulfate concentrations remained elevated in many of the same monitoring locations. Sulfate concentrations measured approximately 424 mg/L in AW-1, 605 mg/L in G120, 326 mg/L in G121, 572 mg/L in G122, and 298 mg/L in P07D. Sulfate concentrations in AW-4 (15.0 mg/L), AW-5 (23.0 mg/L), AW-6 (96.5 mg/L), AW-2 (138 mg/L), and AP-17 (<10 mg/L) remained below the groundwater protection standard.

The highest sulfate concentrations observed during the reporting period occurred in monitoring locations near existing or former CCR management areas, particularly G120, G122, and AW-1. Sulfate concentrations within these wells were consistently greater than concentrations observed in many background and side-gradient monitoring locations.

The distribution of sulfate concentrations was evaluated relative to groundwater elevations, potentiometric surface interpretations, and arsenic occurrence. Elevated sulfate concentrations generally occur in monitoring wells located hydraulically downgradient of the Dallman Ash Pond and associated CCR management areas and exhibit a spatial pattern broadly consistent with the interpreted groundwater flow path extending toward the Unit 2 groundwater monitoring system. Similar to arsenic and boron, elevated sulfate concentrations occur in AW-1, G120, AW-2, P07D, G121, and G122 and persist through multiple monitoring events.

Although sulfate is more widely distributed throughout the monitoring network than arsenic, its recurrence through the fourth quarter 2025, first quarter 2026, second quarter 2026, and third quarter 2026 monitoring events indicates persistent groundwater quality conditions within the study area. The sulfate distribution is therefore considered a supporting line of evidence for evaluating groundwater migration and source relationships but is less diagnostic than arsenic because sulfate exceedances occur across a broader area of the facility.

### *6.1.7 Total Dissolved Solids*

Total Dissolved Solids (TDS) is an Appendix III parameter that provides a measure of the overall dissolved mineral content of groundwater and is useful for evaluating groundwater chemistry trends and potential source relationships. The applicable groundwater protection standard for TDS is 1,024.52 mg/L. TDS concentrations exceeding this standard were identified in several monitoring locations during the reporting period, including AW-1, AW-4, AW-6, G120, G121, and G122. TDS concentration trends are illustrated in the graph in Appendix E.

During the second quarter 2026 monitoring event, TDS concentrations measured approximately 1,130 mg/L in AW-1, 1,130 mg/L in AW-4, 1,570 mg/L in AW-6, 1,440 mg/L in G120, 1,040 mg/L in G121, and 1,290 mg/L in G122. TDS concentrations in AW-2 (826 mg/L), AW-5 (646 mg/L), P07D (992 mg/L), AP-17 (512 mg/L), and R101 (974 mg/L) remained below the groundwater protection standard.

During the third quarter 2026 monitoring event, elevated TDS concentrations persisted in many of the same monitoring locations. TDS concentrations measured approximately 1,250 mg/L in AW-1, 1,550 mg/L in G120, 1,240 mg/L in AW-6, 1,080 mg/L in P07D, 1,130 mg/L in G121, and 1,490 mg/L in G122. TDS concentrations remained lower in AW-2 (792 mg/L), AW-4 (602 mg/L), AW-5 (646 mg/L), AP-17 (534 mg/L), and R101 (972 mg/L).

The highest groundwater TDS concentrations during the investigation were generally observed in monitoring wells located adjacent to or downgradient of the Dallman Ash Pond area, particularly G120, AW-1, and G122. Elevated TDS concentrations were also present within portions of the interpreted groundwater flow path evaluated as part of this investigation.

The distribution of TDS concentrations is generally consistent with the distribution of sulfate, calcium, boron, and other dissolved constituents contributing to the overall groundwater chemistry of the study area. Although TDS is not source-specific and occurs more broadly throughout the monitoring network than arsenic, elevated TDS concentrations are commonly associated with groundwater influenced by CCR management units and provide a useful indicator of groundwater quality conditions within the study area.

Accordingly, TDS is considered a supporting parameter for evaluation of groundwater migration and geochemical continuity within the study area. The persistence of elevated TDS concentrations in monitoring wells located between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system is consistent with the broader groundwater quality trends identified during this investigation.

### *6.1.8 Additional Appendix III and Appendix IV Constituents*

Analytical results for all remaining Appendix III and Appendix IV constituents evaluated during the fourth quarter 2025, first quarter 2026, second quarter 2026, and third quarter 2026 monitoring events are summarized in Table 4. In addition to arsenic, boron, calcium, lithium, pH, sulfate, and total dissolved solids, the analytical program included evaluation of antimony, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, mercury, molybdenum, selenium, thallium, and combined radium-226/228. The concentration trends for these constituents are illustrated in graphs in Appendix E.

Review of the analytical results indicates that several constituents were detected at measurable concentrations within portions of the monitoring network; however, most constituents either occurred infrequently, were present at relatively low concentrations, or did not exhibit spatial distributions consistent with the constituent migration patterns observed for arsenic. Arsenic, boron, sulfate, calcium, lithium, and total dissolved solids exhibited the strongest relationship to the interpreted groundwater flow system and were therefore evaluated in greater detail in the preceding sections.

Several constituents, including barium and combined radium-226/228, were detected in selected monitoring wells during one or more monitoring events. Elevated barium concentrations were identified in monitoring wells including G120, AW-6, AW-2, P07D, G121, and G122, while combined radium-226/228 activities exceeding the groundwater protection standard were observed in a limited number of locations, including G120 and R101 during the fourth quarter 2025 and first quarter 2026 monitoring events, respectively. However, the distribution of these constituents was not consistent with the interpreted groundwater flow path and did not exhibit the same spatial continuity observed for arsenic, boron, sulfate, calcium, lithium, and total dissolved solids. Consequently, these constituents were not considered primary indicators for evaluation of groundwater migration or source relationships within the study area.

Antimony, beryllium, cadmium, chromium, cobalt, fluoride, lead, mercury, molybdenum, selenium, and thallium were generally not detected or were present at concentrations near laboratory reporting limits throughout the monitoring network. None of these constituents exhibited a consistent spatial distribution or temporal trend that provided meaningful information regarding the interpreted groundwater flow path between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system.

Overall, the analytical results for the remaining Appendix III and Appendix IV constituents do not alter the conclusions developed from evaluation of arsenic and the supporting groundwater chemistry parameters discussed above. Arsenic, boron, sulfate, calcium, lithium, pH, and total dissolved solids provide the most useful information regarding groundwater quality conditions and groundwater migration within the study area.

## 6.2 Evaluation of Turbidity Effects on Arsenic Concentrations

Elevated turbidity can increase total metals concentrations through entrainment of suspended sediment and was therefore evaluated as part of this investigation. Turbidity measurements varied considerably among monitoring locations and monitoring events, ranging from less than 1 NTU to greater than 130 NTU. Elevated turbidity was observed in several monitoring wells, including AW-6, G120, and P07D; however, elevated arsenic concentrations were identified under both low- and high-turbidity conditions.

The data collected during the investigation do not indicate that arsenic occurrence is solely attributable to turbidity. Arsenic was detected repeatedly in AW-1, G120, AW-6, AW-4, AW-5, AW-2, P07D, and G121 during multiple monitoring events despite substantial variation in measured turbidity. Concentrations above the GWPS occurred in several of these wells, including AW-1, G120, AW-6, AW-4, AW-2, P07D, and G121, during one or more monitoring events. For example, arsenic concentrations above the GWPS were observed in AW-1 and G121 during monitoring events in which turbidity was less than 1 NTU. Arsenic concentrations above the GWPS were also observed in G120, AW-6, and P07D during monitoring events with higher turbidity values.

The distribution of arsenic concentrations also corresponds with the interpreted groundwater flow path extending from the Dallman Ash Pond area through G120, AW-6, AW-4, and AW-5 and toward AW-2, P07D, and G121. This distribution persisted during multiple monitoring events despite variations in turbidity and other field conditions.

Accordingly, while turbidity may influence individual total arsenic results, the persistence of arsenic through time and its repeated detection under varying turbidity conditions indicate that arsenic occurrence reflects groundwater quality conditions within the uppermost aquifer. These findings indicate that the observed arsenic occurrence cannot be attributed solely to variations in turbidity and support its use in evaluating groundwater migration and source relationships within the study area.

## 6.3 Spatial Distribution of Arsenic

### *6.3.1 Arsenic Concentration Distribution*

Figure 8 presents the spatial distribution of arsenic concentrations measured during the July 2026 monitoring event. The figure illustrates arsenic concentrations in monitoring wells located between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system, including AW-1, G120, AW-6, AW-4, AW-5, AW-2, P07D, and G121.

The highest arsenic concentration during the July 2026 event occurred at AW-1. Arsenic was also detected in monitoring locations situated between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system, with concentrations above the GWPS at AW-6, P07D, and G121. Arsenic is present in assessment wells AW-4, AW-5, and AW-6, demonstrating that arsenic-bearing groundwater occurs between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system prior to groundwater reaching AW-2, P07D, and G121. In contrast, lower arsenic concentrations generally occur in background and side-gradient monitoring locations.

### *6.3.2 Relationship Between Arsenic Distribution and Groundwater Flow*

Figure 9 presents the July 2026 arsenic concentrations overlaid on the July 2026 potentiometric surface. This figure provides a direct comparison between arsenic occurrence and interpreted groundwater flow conditions within the uppermost aquifer.

The arsenic distribution shown in Figure 9 is generally consistent with the groundwater flow pattern interpreted from groundwater elevations and potentiometric surface mapping. Arsenic was detected in AW-1, G120, AW-6, AW-4, AW-5, AW-2, P07D, and G121. These monitoring locations occur within the interpreted groundwater flow path extending from hydraulically upgradient portions of the assessment area toward the Unit 2 groundwater monitoring system.

When evaluated together, Figure 8 and Figure 9 indicate that arsenic occurs in monitoring wells located both upgradient of and within the Unit 2 groundwater monitoring network and that the distribution of arsenic is consistent with the groundwater flow conditions identified during the Condition III.C investigation.

# 7. Alternate Source Evaluation

The purpose of this evaluation is to determine whether arsenic detected in AW-2, P07D, and G121 is attributable to FGDS Development Landfill Unit 2 or to an alternate source. The evaluation is based on groundwater elevations, groundwater chemistry, and hydrogeologic interpretations developed during the Condition III.C investigation.

The principal question is whether arsenic detected in the Unit 2 monitoring system is associated with groundwater migrating from the Dallman Ash Pond area or from a release originating within Unit 2.

## 7.1 Hydraulic Evidence

The hydraulic evaluation assessed whether groundwater originating from the Dallman Ash Pond area, or other areas hydraulically upgradient, can migrate toward the Unit 2 groundwater monitoring system. Groundwater elevations measured during May, June, and July 2026 provide the basis for this evaluation.

### *7.1.1 Upgradient Conditions*

A principal component of the ASD is evaluation of hydraulic conditions between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system. Groundwater elevation measurements obtained during the fourth quarter 2025, first quarter 2026, May 2026, second quarter 2026, and third quarter 2026 monitoring events indicate that monitoring well AW-1 consistently exhibits higher groundwater elevations than AW-6, AW-4, AW-5, AW-2, P07D, and G121 (Table 1; Figure

3 through Figure 7). This relationship demonstrates that the vicinity of the Dallman Ash Pond occupies a hydraulically upgradient position relative to the Unit 2 groundwater monitoring system.

The upgradient relationship between AW-1 and the Unit 2 monitoring network was initially identified during preparation of the September 2025 ASD and was subsequently evaluated through installation of assessment wells AW-4, AW-5, AW-6, and AP-17. Groundwater elevations measured within the expanded monitoring network support the hydraulic gradient previously identified within the existing monitoring system and provide additional hydraulic control between the Dallman Ash Pond area and the Unit 2 monitoring wells.

Monitoring well G120, which is also located adjacent to the Dallman Ash Pond, exhibits groundwater elevations that are generally greater than those observed within AW-2, P07D, and G121. Groundwater elevations measured in AW-1 and G120 therefore indicate that groundwater from the vicinity of the Dallman Ash Pond area has the potential to migrate toward the Unit 2 groundwater monitoring system under the hydraulic conditions observed during the investigation.

The persistence of these hydraulic relationships through multiple monitoring events indicates that the observed gradients are representative of groundwater flow within the study area and are not the result of short-term or seasonal fluctuations. Collectively, the groundwater elevation data indicate that the Dallman Ash Pond area, including monitoring wells AW-1 and G120, is hydraulically upgradient of the Unit 2 groundwater monitoring system and provides a plausible hydraulic setting for groundwater migration toward AW-2, P07D, and G121.

### *7.1.2 Groundwater Movement*

Potentiometric surface maps prepared from groundwater elevation measurements obtained during the fourth quarter 2025, first quarter 2026, May 2026, second quarter 2026, and third quarter 2026 monitoring events indicate a consistent groundwater flow pattern within the uppermost aquifer. Groundwater elevations generally decrease from the western and southwestern portions of the study area toward the eastern and northeastern portions of the site, resulting in groundwater flow from the vicinity of the Dallman Ash Pond toward the Unit 2 groundwater monitoring system.

The groundwater flow pattern identified during the September 2025 ASD remained consistent following installation of assessment wells AW-4, AW-5, AW-6, and AP-17. The additional monitoring locations provided improved hydraulic control and refined interpretation of groundwater movement through the central portion of the study area but did not materially alter the previously identified flow directions. Potentiometric surface maps developed using the expanded monitoring network continue to indicate groundwater movement from the Dallman Ash Pond area toward AW-6, AW-4, AW-5, AW-2, P07D, and G121.

Hydraulic gradient calculations further support this interpretation. Groundwater elevations consistently indicate a strong hydraulic gradient between AW-1 and AW-6 and a continuing decline in groundwater elevations toward the Unit 2 groundwater monitoring system. Although local gradients among individual monitoring wells vary between monitoring events, the overall potentiometric surface interpretation remains consistent.

Importantly, groundwater elevations do not indicate groundwater movement from the Unit 2 landfill toward AW-1, AW-6, or G120. Instead, the hydraulic gradient is oriented in the opposite direction. This relationship indicates that groundwater within the Unit 2 monitoring system is hydraulically downgradient of portions of the assessment area and provides a plausible mechanism for movement of arsenic-bearing groundwater and supporting constituents toward AW-6, AW-2, P07D, and G121.

The consistency of groundwater flow directions through multiple monitoring events, including periods before and after installation of the assessment wells, indicates that the interpreted groundwater movement represents a persistent hydraulic condition within the study area rather than a temporary or localized phenomenon. Collectively, the groundwater elevation data and potentiometric surface interpretations support the conclusion that groundwater movement within the uppermost aquifer is directed from the Dallman Ash Pond area, or upgradient to the Dalman Ash Pond, toward the Unit 2 groundwater monitoring system.

### *7.1.3 Flow Path Continuity*

A primary objective of the Condition III.C investigation was to evaluate the groundwater flow path proposed in the September 2025 ASD and determine whether hydraulic continuity exists between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system. Assessment well AW-6 was installed as an intervening well specifically to evaluate this interpreted groundwater flow path, while AW-4 and AW-5 were installed immediately upgradient of Unit 2 to provide additional hydraulic control and groundwater quality data between the Dallman Ash Pond area and the Unit 2 monitoring wells.

Groundwater elevations measured during May, June, and July 2026 indicate that AW-6 occupies a hydraulically intermediate position between AW-1 and the Unit 2 groundwater monitoring system. Potentiometric surface interpretations prepared from these monitoring events consistently place AW-6 within the interpreted groundwater flow path extending from the Dallman Ash Pond area toward AW-2, P07D, and G121. Groundwater elevations measured from AW-4 and AW-5 further support hydraulic continuity across the central portion of the study area.

Hydraulic gradient analyses also support continuity of the interpreted flow path. Groundwater elevations consistently indicate that AW-1 is hydraulically upgradient of AW-6, while AW-4 and AW-5 occupy positions between the Dallman Ash Pond area and the Unit 2 groundwater

monitoring wells. Although local gradients vary among individual monitoring locations and monitoring events, the overall hydraulic framework remains consistent with groundwater movement from the Dallman Ash Pond area toward the Unit 2 groundwater monitoring system.

The hydraulic interpretation is further supported by groundwater quality data collected from the assessment wells. Arsenic was detected in AW-6, AW-4, and AW-5 during both the second and third quarter 2026 monitoring events, demonstrating that groundwater containing arsenic occurs along the interpreted groundwater flow path before groundwater reaches AW-2, P07D, and G121. Monitoring well AW-6 provides particularly strong support for the interpreted groundwater flow path because it occupies a hydraulically intermediate position between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system and contains elevated arsenic and boron concentrations comparable to those observed in hydraulically upgradient monitoring wells. Accordingly, AW-6 provides hydraulic and geochemical information supporting the interpreted groundwater flow path from hydraulically upgradient portions of the assessment area toward AW-2, P07D, and G121.

Collectively, the groundwater elevation data, potentiometric surface maps, hydraulic gradient evaluations, and assessment well analytical results support the existence of an interpreted groundwater flow path from hydraulically upgradient portions of the assessment area toward the Unit 2 groundwater monitoring system. The additional monitoring locations installed as part of the Condition III.C investigation refine the groundwater flow interpretation developed during the September 2025 ASD and identify a hydraulic framework capable of conveying constituents from hydraulically upgradient portions of the assessment area toward AW-2, P07D, and G121.

## 7.2 Geochemical Evidence

Geochemical evidence provides an independent line of support for evaluating whether groundwater quality conditions observed within the Unit 2 groundwater monitoring system are associated with groundwater migrating from hydraulically upgradient portions of the site or with releases originating from FGDS Development Landfill Unit 2. Evaluation of groundwater chemistry focused primarily on arsenic because it is the constituent triggering the ASD; however, boron, sulfate, calcium, lithium, and total dissolved solids were also evaluated because they provide additional information regarding groundwater migration and geochemical continuity across the study area.

The geochemical evaluation indicates that arsenic and several supporting groundwater-quality constituents occur within groundwater both upgradient of and within the Unit 2 groundwater monitoring system. Arsenic was detected in AW-1, G120, AW-6, AW-4, AW-5, AW-2, P07D, and G121, with concentrations above the GWPS occurring in several of these wells during one or more monitoring events. The occurrence of arsenic in assessment wells AW-4, AW-5, and AW-6 is particularly significant because these wells were installed specifically to evaluate groundwater

quality conditions between the Dallman Ash Pond area and the Unit 2 monitoring network. Arsenic concentrations detected in these assessment wells demonstrate that groundwater containing arsenic is present before groundwater reaches AW-2, P07D, and G121.

Assessment well AW-6 provides the most compelling geochemical evidence supporting the interpreted groundwater flow path. During the second and third quarter 2026 monitoring events, AW-6 exhibited arsenic concentrations of 0.0301 mg/L and 0.0250 mg/L, respectively. These concentrations are comparable to concentrations observed in P07D and are greater than concentrations observed in AW-2 and G121. Boron concentrations in AW-6 were similarly elevated and closely comparable to concentrations observed in AW-1 and G120. The occurrence of arsenic above the GWPS and elevated boron in AW-6 indicates that groundwater containing these constituents is present at an intermediate location between the hydraulically upgradient assessment area and the Unit 2 monitoring wells.

The geochemical significance of AW-4 and AW-5 is also important. These monitoring wells were installed immediately upgradient of Unit 2 and therefore represent groundwater quality conditions prior to groundwater entering the Unit 2 monitoring network. Arsenic was detected in AW-4 and AW-5 during both the second and third quarter 2026 monitoring events. Boron, lithium, and other supporting constituents were also present within these wells. The occurrence of arsenic and supporting groundwater-quality constituents immediately upgradient of AW-2, P07D, and G121 demonstrates that these constituents are present in groundwater before groundwater reaches the existing Unit 2 monitoring wells.

The overall distribution of arsenic and supporting groundwater-quality constituents is consistent with the groundwater flow pattern interpreted from groundwater elevations and potentiometric surface mapping. Arsenic and supporting groundwater-quality constituents occur in wells located near the Dallman Ash Pond area, within the assessment-well network, and within the Unit 2 groundwater monitoring system. Concentrations above applicable GWPSs occur at a subset of these locations.

The continuity of these geochemical patterns provides evidence that groundwater quality conditions observed in AW-2, P07D, and G121 are part of a broader groundwater quality trend extending from hydraulically upgradient portions of the site.

Accordingly, the groundwater chemistry data indicate that arsenic and supporting groundwater-quality constituents occur within groundwater hydraulically upgradient of the Unit 2 monitoring system and are consistent with groundwater migration from the vicinity of the Dallman Ash Pond area toward AW-2, P07D, and G121. The geochemical evidence therefore supports the conceptual model evaluated in the September 2025 ASD and provides an independent line of evidence supporting the ASD.

## 7.3 Cross-Section Evaluation

Geologic cross sections were updated as part of the Condition III.C investigation to incorporate lithologic information obtained during installation of assessment wells AW-4, AW-5, AW-6, and AP-17 and to evaluate the hydrogeologic relationship between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system. The revised cross sections provide additional subsurface control between the Dallman Ash Pond area and monitoring wells AW-2, P07D, G121, and G122 and are presented as Figure 10 through Figure 12.

The primary objective of the cross-sectional evaluation was to determine whether the hydrogeologic framework supports groundwater movement between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system and whether significant hydrostratigraphic barriers exist that would prevent migration along the interpreted groundwater flow path identified during the September 2025 ASD.

### *7.3.1 Hydrogeologic Framework*

The revised cross sections indicate that the uppermost aquifer includes groundwater-bearing creek-fill materials, shallow sand, basal sand, and weathered-bedrock interface. The occurrence, thickness, and elevation of these materials vary across the assessment area. The basal sand is generally overlain by a lower cohesive deposit interpreted as glacial till and an upper cohesive deposit and/or engineered fill associated with historical site development and construction of the Dallman Ash Pond berm.

Lithologic information obtained from AW-4, AW-5, AW-6, and AP-17 is generally consistent with previous site investigations and does not indicate the presence of previously unidentified hydrostratigraphic features that would materially alter the conceptual hydrogeologic model. Instead, the additional borings improve the definition of the uppermost aquifer and the groundwater-bearing materials that form the interpreted groundwater flow path across the assessment area.

### *7.3.2 Relationship of AW-1 and AW-6*

Assessment well AW-6 was installed as an intervening well specifically to evaluate the interpreted groundwater flow path between AW-1 and the Unit 2 groundwater monitoring system. Cross Section G-G' indicates that AW-6 is completed within groundwater-bearing materials that are understood to be hydraulically connected to the interpreted groundwater flow path monitored by AW-1, AW-2, and P07D.

Importantly, the geologic information does not identify a laterally continuous low-permeability unit separating AW-1 from AW-6. The evaluated subsurface information does not identify a continuous low-permeability barrier that would preclude groundwater movement between AW-1 and AW-6.

When evaluated together with groundwater elevation and groundwater quality data, the hydrogeologic information supports the position of AW-6 within the interpreted groundwater flow path between hydraulically upgradient portions of the assessment area and the Unit 2 monitoring system.

### *7.3.3 Groundwater Flow Interpretation*

The updated cross sections illustrate varying strata are present adjacent and upgradient to the FGDS landfill, including sand, silt, clay and typically a basal sand. Cross Sections G-G', R-R', and Q-Q' indicate that the assessment wells and Unit 2 monitoring wells evaluate hydraulically connected portions of the uppermost aquifer. The cross sections do not identify a continuous hydrostratigraphic barrier that would isolate the hydraulically upgradient assessment area from AW-2, P07D, G121, or G122.

When evaluated together with groundwater elevations, potentiometric surface maps, hydraulic gradient analyses, and groundwater chemistry data, the cross-sectional interpretations support a conceptual model in which arsenic-bearing groundwater can move through the interpreted groundwater flow path toward the Unit 2 groundwater monitoring system. The cross sections therefore provide an additional line of evidence supporting the alternate source conceptual model and reinforce the conclusion that groundwater quality conditions observed in AW-2, P07D, and G121 are more consistent with groundwater migrating from hydraulically upgradient portions of the site than with releases from FGDS Development Landfill Unit 2.

Table 6 summarizes the principal hydraulic, geochemical, and hydrogeologic evidence evaluated as part of the ASD. Collectively, these data indicate that arsenic-bearing groundwater is present hydraulically upgradient of the Unit 2 groundwater monitoring system and at multiple locations within the interpreted groundwater flow path. The combined evidence supports the conclusion that arsenic observed in AW-2, P07D, and G121 is more consistent with groundwater conditions entering the monitoring area from hydraulically upgradient portions of the site than with a release from FGDS Development Landfill Unit 2.

## 8. Assessment Well Findings

Assessment wells AW-4, AW-5, AW-6, and AP-17 were installed pursuant to Condition III.C of the AOR to address data gaps identified during USEPA review of the September 2025 ASD. These wells provided additional groundwater elevation and groundwater quality data between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system and allowed direct evaluation of hydraulic and geochemical conditions within the previously unmonitored portion of the study area.

The assessment-well data were evaluated to determine whether arsenic-bearing groundwater, including groundwater containing arsenic above the GWPS, exists hydraulically upgradient of Unit 2 and whether the data support hydraulic and geochemical relationships with monitoring wells AW-2, P07D, and G121.

## 8.1 AW-6 Evaluation

### *8.1.1 Hydraulic Position Relative to AW-1*

AW-6 was installed as an intervening well between AW-1 and the Unit 2 groundwater monitoring system to evaluate the interpreted groundwater flow path identified during the September 2025 ASD. Groundwater elevations measured during May, June, and July 2026 indicate that AW-6 occupies a hydraulically intermediate position between AW-1 and the Unit 2 groundwater monitoring wells and is located within the interpreted groundwater flow path.

### *8.1.2 Groundwater Elevations*

Groundwater elevation data consistently indicate that AW-1 is hydraulically upgradient of AW-6 and that groundwater movement occurs generally from the Dallman Ash Pond area toward the Unit 2 groundwater monitoring system. Potentiometric surface interpretations prepared during the investigation place AW-6 within the area of groundwater flow connecting the Dallman Ash Pond area to AW-2, P07D, and G121.

### *8.1.3 Arsenic Concentrations*

Arsenic was detected in AW-6 during both the second and third quarter 2026 monitoring events. Arsenic concentrations measured 0.0301 mg/L during June 2026 and 0.0250 mg/L during July 2026. These concentrations are comparable to concentrations observed in P07D and exceed concentrations measured in AW-2 and G121 during the same period.

### *8.1.4 Support for Proposed Flow Path*

Groundwater elevations measured at AW-6 and groundwater chemistry data collected from AW-6 are consistent with the interpreted groundwater flow path evaluated in Section 7. The well provides additional hydraulic and geochemical data within the area between the Dallman Ash Pond and the Unit 2 groundwater monitoring system.

### *8.1.5 Relationship to AW-2, P07D, and G121*

When evaluated together with groundwater elevations and potentiometric surface interpretations, AW-6 provides both hydraulic and geochemical evidence supporting continuity between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system. The occurrence of arsenic above the GWPS and elevated boron in AW-6 demonstrates that groundwater containing these

constituents is present at an intermediate location between the hydraulically upgradient assessment area and the Unit 2 monitoring wells.

## 8.2 AW-4 Evaluation

### *8.2.1 Hydraulic Position*

AW-4 was installed between the Dallman Ash Pond and Unit 2 to provide additional hydraulic control within an area previously lacking groundwater monitoring coverage. Groundwater elevations indicate that AW-4 is located downgradient of the Dallman Ash Pond area and upgradient of the Unit 2 groundwater monitoring system.

### *8.2.2 Groundwater Quality*

Arsenic was detected in AW-4 during both the second and third quarter 2026 monitoring events. Boron and sulfate were also detected. These results demonstrate that arsenic and supporting groundwater-quality constituents are present immediately upgradient of the Unit 2 monitoring system. Arsenic exceeded the GWPS in AW-4 during the second quarter 2026 monitoring event.

### *8.2.3 Relationship to Unit 2 Wells*

The occurrence of arsenic in AW-4 indicates that groundwater containing arsenic is present before groundwater reaches AW-2, P07D, and G121. Consequently, the occurrence of arsenic is not limited to the Unit 2 monitoring wells and was documented in groundwater immediately upgradient of the monitoring system.

## 8.3 AW-5 Evaluation

### *8.3.1 Hydraulic Position*

AW-5 was installed between the Dallman Ash Pond and Unit 2 to provide additional hydraulic control within an area previously lacking groundwater monitoring coverage. Groundwater elevations indicate that AW-5 is located downgradient of the Dallman Ash Pond area and upgradient of the Unit 2 groundwater monitoring system.

### *8.3.2 Groundwater Quality*

Arsenic was detected in AW-5 during both the second and third quarter 2026 monitoring events. Boron, lithium, and sulfate were also present. These detections are generally consistent with groundwater-quality conditions observed at other locations within the interpreted groundwater flow path.

### 8.3.3 Relationship to Unit 2 Wells

Groundwater quality observed in AW-5 demonstrates that groundwater containing arsenic occurs immediately upgradient of AW-2, P07D, and G121. The occurrence of arsenic in AW-5 provides additional evidence that arsenic is present in groundwater immediately upgradient of the Unit 2 monitoring area.

## 8.4 AP-17 Evaluation

### 8.4.1 Hydraulic Position

AP-17 was installed to provide supplemental groundwater elevation data within the study area and improve hydraulic control used for development of potentiometric surface maps and interpretation of groundwater flow conditions.

### 8.4.2 Groundwater Quality Observations

Arsenic was detected in AP-17 during both the second and third quarter 2026 monitoring events. Concentrations remained lower than those observed in AW-1, AW-6, P07D, and G121 but indicate the presence of arsenic within groundwater in the vicinity of the assessment well network.

### 8.4.3 Role in Flow Path Interpretation

Although AP-17 was not installed specifically to evaluate the interpreted flow path from AW-1 to AW-6, groundwater elevation measurements and groundwater quality data collected from AP-17 provide supplemental information supporting interpretation of groundwater flow conditions and constituent occurrence within the uppermost aquifer. The AP-17 data are consistent with the broader hydrogeologic and groundwater flow interpretations developed during the investigation and provide additional support for the multiple-lines-of-evidence evaluation presented in this report.

# 9. Conclusions

The Condition III.C investigation was conducted to evaluate groundwater conditions between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system and to determine whether arsenic detected in AW-2, P07D, and G121 is attributable to FGDS Development Landfill Unit 2 or to an alternate source. Groundwater elevations, groundwater chemistry, hydrogeologic conditions, and assessment-well data were evaluated as part of this investigation. Collectively, these data provide multiple independent lines of evidence for assessing groundwater flow conditions, constituent migration, and potential source relationships within the uppermost aquifer.

## 9.1 Monitoring System Findings

Assessment wells AW-4, AW-5, AW-6, and AP-17 provided groundwater quality and groundwater elevation data from locations between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system. Installation of these wells addressed the principal data gaps identified during USEPA review of the September 2025 ASD and provided direct hydraulic and geochemical information from areas that were previously not represented by the groundwater monitoring network.

Groundwater quality results from AW-4, AW-5, and AW-6 demonstrated the presence of groundwater containing arsenic and supporting groundwater-quality constituents hydraulically upgradient of AW-2, P07D, and G121. Arsenic concentrations above the GWPS were documented in AW-4 during the second quarter monitoring event and in AW-6 during both post-installation monitoring events. The occurrence of these constituents within assessment wells located between the Dallman Ash Pond area and the Unit 2 monitoring system indicates that groundwater quality conditions observed within the Unit 2 monitoring network extend beyond the immediate vicinity of the landfill and occur within a broader groundwater flow path.

Among the assessment wells, AW-6 provided significant findings because it occupies a hydraulically intermediate position between AW-1 and the Unit 2 monitoring wells and contained arsenic above the GWPS during both post-installation monitoring events, together with elevated boron concentrations.

## 9.2 Groundwater Flow Findings

Groundwater elevations collected during fourth quarter 2025, first quarter 2026, May 2026, second quarter 2026, and third quarter 2026 monitoring events indicate a consistent groundwater flow pattern within the uppermost aquifer. Groundwater elevations generally decrease from the western and southwestern portions of the study area toward the east and northeast. Potentiometric surface maps prepared from these monitoring events consistently indicate groundwater movement from the Dallman Ash Pond area toward the Unit 2 groundwater monitoring system.

Groundwater elevations indicate that AW-1 and G120 are hydraulically upgradient of AW-2, AW-4, AW-5, AW-6, P07D, and G121. Installation of the assessment wells improved hydraulic control within the central portion of the study area and refined interpretation of groundwater flow conditions without materially altering the groundwater flow pattern identified during the September 2025 ASD.

Hydraulic gradient evaluations, potentiometric surface maps, and groundwater elevation measurements indicate that AW-6 occupies an intermediate position within the interpreted groundwater flow path extending between the Dallman Ash Pond area and the Unit 2 monitoring

system. The persistence of these hydraulic relationships through multiple monitoring events indicates that the observed groundwater flow conditions are representative of groundwater conditions within the study area rather than short-term fluctuations.

The groundwater elevation data therefore provide a hydraulic mechanism capable of transporting groundwater and dissolved constituents from hydraulically upgradient portions of the site toward AW-2, P07D, and G121.

## 9.3 Alternate Source Findings

The groundwater elevation data, groundwater chemistry data, assessment-well results, and hydrogeologic interpretations developed during the Condition III.C investigation collectively support the conclusion that arsenic detected in AW-2, P07D, and G121 is more consistent with groundwater conditions entering the monitoring area from hydraulically upgradient portions of the site than with a release from FGDS Development Landfill Unit 2.

The principal lines of evidence supporting this conclusion include:

- Groundwater elevations consistently indicate that AW-1 and G120 are hydraulically upgradient of AW-4, AW-5, AW-6, AW-2, P07D, and G121.
- Potentiometric surface maps indicate groundwater movement from the Dallman Ash Pond area toward the Unit 2 groundwater monitoring system.
- Assessment well AW-6 provides hydraulic and geochemical information supporting the interpreted groundwater flow path between hydraulically upgradient portions of the assessment area and the Unit 2 monitoring network.
- Arsenic was detected in AW-4, AW-5, and AW-6 at locations hydraulically upgradient of AW-2, P07D, and G121.
- Arsenic was repeatedly detected at monitoring locations within the interpreted groundwater flow path, including AW-1, G120, AW-6, AW-4, AW-5, AW-2, P07D, and G121. Concentrations above the GWPS occurred at a subset of these wells during one or more monitoring events.
- Boron and sulfate exhibit groundwater quality patterns that are generally consistent with arsenic occurrence and interpreted groundwater flow conditions.
- Updated cross sections identify groundwater-bearing creek-fill materials, shallow sand, basal sand, and weathered-bedrock interface within the assessment area and do not identify a continuous hydrostratigraphic barrier that would preclude groundwater movement toward the Unit 2 monitoring system.

Based on the collective hydraulic, geochemical, and hydrogeologic evidence, arsenic-bearing groundwater is present within the interpreted groundwater flow path hydraulically upgradient of AW-2, P07D, and G121. The assessment-well results demonstrate that arsenic is present before groundwater reaches the Unit 2 monitoring system, including groundwater containing arsenic above the GWPS at AW-4 during the second quarter 2026 monitoring event and at AW-6 during both post-installation monitoring events. These findings support the conclusion that the arsenic observed in AW-2, P07D, and G121 is not attributable to a release from FGDS Development Landfill Unit 2 and is more consistent with groundwater conditions entering the monitoring area from hydraulically upgradient portions of the site, including the vicinity of the Dallman Ash Pond, than with a release from FGDS Development Landfill Unit 2.

## 9.4 Future Actions

The additional information collected pursuant to Condition III.C substantially improved understanding of groundwater flow conditions and groundwater quality relationships within the study area. Future activities should include continued evaluation of groundwater elevations and groundwater quality data as part of the approved groundwater monitoring program.

Groundwater elevations measured from the expanded monitoring network should continue to be evaluated to assess the stability of the interpreted groundwater flow pattern and to assess the long-term persistence of hydraulic conditions identified during this investigation. Future groundwater quality monitoring results should be evaluated in conjunction with groundwater elevation data to determine whether constituent distributions remain consistent with the conceptual groundwater flow and migration model presented herein.

Evaluation of AW-4, AW-5, AW-6, and AP-17 for potential inclusion in the Unit 2 background monitoring network will be addressed separately through the Recalculated Background Report and associated groundwater monitoring evaluations.

The Condition III.C investigation provides additional hydraulic and groundwater-quality information relevant to the Updated ASD. Future groundwater monitoring, background evaluation, nature and extent evaluation, and assessment of corrective measures activities will address their respective regulatory objectives using the applicable site conceptual model and monitoring data.

# TABLE 1:
## GROUNDWATER ELEVATION MEASUREMENTS

**Table 1. Groundwater Elevation Measurements**

| Monitoring Location | Nov. 2025 | Feb. 2026 | May-26 | Jun. 2026 | Jul. 2026 |
|---|---|---|---|---|---|
| AP1 | 523.48 | 524.32 | 525.28 | 531.13 | 524.78 |
| AP10 | 529.77 | 530.11 | 532.62 | 535.36 | 533.37 |
| AP11 | 522.52 | 522.68 | 524.37 | NM | 523.08 |
| AP12 | 522.46 | 532.57 | 524.29 | NM | 523.16 |
| AP13 | 521.96 | 522.23 | 524.93 | NM | 524.65 |
| AP14 | 534.87 | 536.11 | 536.22 | NM | 537.4 |
| AP15D | 535.229 | 535.579 | 536.639 | NM | 536.659 |
| AP16 | 527.695 | 526.855 | 531.735 | NM | 532.185 |
| AP17 | NI | NI | 527.54 | 528.55 | 528.04 |
| AP2 | 526.48 | 527.17 | 528.11 | 531.27 | 528.41 |
| AP3 | 525.37 | 525.27 | 525.83 | 529.94 | 525.64 |
| AP4 | 542.66 | 542.66 | 544.86 | 545.46 | 545.49 |
| AP5 | 563.28 | 564.68 | 568.49 | 569.87 | 569.94 |
| AP6 | 525.466 | 525.506 | 527.936 | 529.136 | 529.55 |
| AP7 | 523.97 | 523.75 | 526.51 | NM | 527.46 |
| AP8 | 530.82 | 531.54 | 534.12 | 535.42 | 531.77 |
| AP9 | 523.01 | 523.11 | 524.94 | NM | 527.17 |
| AW1 | 535.16 | 536.51 | 538.89 | 540.81 | 542.32 |
| AW2 | 519.73 | 521.58 | 523.86 | 526.41 | 525.04 |
| AW4 | NI | NI | 534.32 | 535.27 | 530.12 |
| AW5 | NI | NI | 528.72 | 529.65 | 528.35 |
| AW6 | NI | NI | 524.79 | 525.92 | 526.05 |
| D06 | 542.394 | 543.184 | 545.484 | NM | 539.834 |
| D07 | 542.838 | 543.198 | 545.896 | NM | 541.368 |
| D08 | 541.392 | 543.322 | 544.462 | 550.462 | 549.162 |
| D1 Deep | 540.92 | 541.77 | 546.07 | 547.28 | 547.79 |
| D2 Deep | 542.01 | 542.79 | 545.96 | 549.48 | 549.94 |
| D3 Deep | 541.77 | 542.93 | 545.02 | 550.18 | 548.83 |
| D4 | 542.8 | 543 | 546.13 | 546.84 | 546.28 |
| DB04 Deep | 541.988 | 541.658 | 546.248 | 546.838 | 546.288 |
| DB05 Deep | 542.25 | 543.41 | 546.809 | NM | 542.59 |
| G110 | 528.61 | 529.82 | 531.57 | 532.25 | 533.84 |
| G112 | 521.9 | 524.4 | 525.84 | 526.64 | 528.46 |
| G120 | 531.02 | 532.14 | 534.45 | 535.57 | 537.72 |
| G121 | 523.62 | 523.42 | 526.2 | 527.4 | 526.49 |
| G122 | 519.47 | 520.78 | 523.42 | 527.22 | 525.38 |
| G123 | 519.722 | 521.542 | 523.702 | 526.092 | 524.982 |
| GP1 | 522.76 | 523.17 | 526.01 | NM | 526.08 |
| GP3 | 528.57 | 528.33 | 529.57 | NM | 530.36 |
| GP7 | 524.08 | 524.88 | 527.25 | 528.47 | 527.91 |
| L1 Deep | 548.34 | 547.57 | 549.86 | 550.88 | 552.8 |
| L3 Deep | 548.5 | 547.92 | 549.69 | 549.98 | 552.67 |
| L4 | 554.1 | 554.69 | 561.16 | 560.76 | 556.36 |
| L5 Deep | 547.19 | 546.99 | 548.55 | 548.48 | 551.13 |
| LB2 Deep | 548.799 | 549.129 | 550.229 | 551.349 | 553.389 |
| P03D | 522.693 | 524.473 | 526.323 | 527.673 | 527.673 |
| P04D | 523.79 | 525.46 | 527.22 | 528.41 | 527.44 |
| P05D | 526.07 | 526.76 | 530.8 | 531.11 | 525.79 |
| P06D Middle | 523.67 | 525.29 | 523.96 | 523.96 | 523.96 |
| P07D North | 520.78 | 522.09 | 524.08 | 525.63 | 525.41 |
| P09D East | 522.31 | 524.38 | 525.84 | 526.71 | 525.81 |
| P103 | 521.6 | 523.46 | 526.49 | NM | 527.69 |
| P104 | 519.9 | 521.36 | 523.52 | 527.21 | 524.57 |
| P106 | 520.15 | 520.59 | 524.25 | 523.24 | 523.24 |
| R101 | 536.97 | 537.96 | 538.72 | 540.38 | 540.34 |
| R111 | 524.37 | 526 | 527.34 | 528.17 | 529.92 |
| RW3 | 524.94 | 525.52 | 528.21 | 528.91 | 529.74 |
| T1 | 520.77 | 520.9 | 523.16 | NM | 522.2 |
| T2 | 521.59 | 522.31 | 524.59 | NM | 524.93 |
| T4 | 528.86 | 528.55 | 530.85 | NM | 532.19 |
| T5 | 526.67 | 526.15 | 531.77 | NM | 532.61 |
| T6 | 526.34 | 525.18 | 527.61 | NM | 529.61 |
| TW3 West | 524.163 | 523.483 | 526.403 | 531.113 | 526.723 |

**Notes**

1. Groundwater elevations reported in feet above mean sea level (MSL).
2. NI = Not Installed.
3. NM = Not Measured.

4. Groundwater elevations presented in Table 1 represent synoptic groundwater level measurements used for potentiometric surface development and groundwater flow interpretation. Water-level measurements reported in individual analytical reports were collected during sampling activities and may differ from the elevations presented herein due to differences in measurement timing.

# TABLE 2:
## HYDRAULIC GRADIENT EVALUATION

**Table 2. Hydraulic Gradient Evaluation**

| Well Pair | Distance (ft) | 2nd Qtr 2026 Elevation Difference (ft) | 2nd Qtr 2026 Gradient (ft/ft) | 3rd Qtr 2026 Elevation Difference (ft) | 3rd Qtr 2026 Gradient (ft/ft) | Hydraulic Relationship |
|---|---|---|---|---|---|---|
| AW-1 → AW-6 | 610.5 | 14.89 | 0.0244 | 16.27 | 0.0267 | AW-1 consistently hydraulically upgradient of AW-6 |
| AW-1 → AW-4 | 594.6 | 5.54 | 0.0093 | 12.2 | 0.0205 | AW-1 hydraulically upgradient of AW-4 |
| AW-1 → AW-5 | 944.4 | 11.16 | 0.0118 | 13.97 | 0.0148 | AW-1 hydraulically upgradient of AW-5 |
| AW-1 → AW-2 | 969.2 | 14.4 | 0.0149 | 15.55 | 0.016 | AW-1 hydraulically upgradient of AW-2 |
| AW-1 → G121 | 1,127.20 | 13.41 | 0.0119 | 14.56 | 0.0129 | AW-1 hydraulically upgradient of G121 |
| AW-6 → AW-2 | 472.2 | -0.49 | -0.001 | -0.72 | -0.0015 | Near-horizontal relationship |
| AW-6 → P07D | 563.9 | 0.29 | 0.0005 | 0.64 | 0.0011 | Very weak gradient toward P07D |
| AW-6 → G121 | 655.3 | -1.48 | -0.0023 | -1.71 | -0.0026 | Near-horizontal to weak local reversal |
| AW-4 → AW-2 | 296.8 | 8.86 | 0.0299 | 3.35 | 0.0113 | AW-4 hydraulically upgradient of AW-2 |
| AW-5 → AW-2 | 396.8 | 3.24 | 0.0082 | 1.58 | 0.004 | AW-5 hydraulically upgradient of AW-2 |
| AW-5 → G121 | 255.1 | 2.25 | 0.0088 | 0.59 | 0.0023 | AW-5 hydraulically upgradient of G121 |

**Notes**

1. Groundwater elevations were obtained from the June 2026 and July 2026 synoptic groundwater elevation monitoring events.
2. Distances were calculated using surveyed Easting and Northing coordinates.
3. Positive gradients indicate decreasing hydraulic head in the direction evaluated; negative gradients indicate local reversals or near-horizontal groundwater conditions.
4. Hydraulic gradients should be interpreted together with the potentiometric surface maps (Figures 6 and 7) because local groundwater gradients within the central portion of the study area are relatively small and may not be representative of regional groundwater flow conditions.

5. Potentiometric surface maps indicate groundwater flow from the Dallman Ash Pond area toward the Unit 2 groundwater monitoring system despite localized variations in gradients between individual monitoring wells.

# TABLE 3:
## ANALYTICAL PARAMETER LIST

**Table 3. Analytical Parameter List**

| Constituent | Regulatory Classification | GWPS | Units | Relevance to ASD Evaluation |
|---|---|---|---|---|
| Boron | Appendix III | 0.13375 | mg/L | **Primary Supporting Constituent** |
| Calcium | Appendix III | 172.04 | mg/L | Supporting Geochemical Constituent |
| Chloride | Appendix III | 114.35 | mg/L | Supporting Constituent; Spatial Pattern Not Consistent with Arsenic |
| Fluoride | Appendix III | 4 | mg/L | Not Significant |
| pH | Appendix III | 6.34-7.33 | S.U. | General Groundwater Chemistry Indicator |
| Sulfate | Appendix III | 279.78 | mg/L | **Primary Supporting Constituent** |
| Total Dissolved Solids (TDS) | Appendix III | 1024.52 | mg/L | Primary Supporting Constituent |
| Antimony | Appendix IV | 0.006 | mg/L | Not Significant |
| Arsenic | Appendix IV | 0.01 | mg/L | **Primary Constituent of Concern** |
| Barium | Appendix IV | 2 | mg/L | Evaluated; Not a Primary Indicator Constituent |
| Beryllium | Appendix IV | 0.004 | mg/L | Not Significant |
| Cadmium | Appendix IV | 0.005 | mg/L | Not Significant |
| Chromium | Appendix IV | 0.1 | mg/L | Not Significant |
| Cobalt | Appendix IV | 0.006 | mg/L | Not Significant |
| Lead | Appendix IV | 0.015 | mg/L | Not Significant |
| Lithium | Appendix IV | 0.0524 | mg/L | **Supporting Geochemical Constituent** |
| Mercury | Appendix IV | 0.002 | mg/L | Not Significant |
| Molybdenum | Appendix IV | 0.1 | mg/L | Not Significant |
| Selenium | Appendix IV | 0.05 | mg/L | Not Significant |
| Thallium | Appendix IV | 0.002 | mg/L | Not Significant |
| Combined Radium-226/228 | Appendix IV | 5 | pCi/L | Evaluated; Not a Primary Indicator Constituent |

# TABLE 4:
## SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

**Table 4. Summary of Groundwater Analytical Results**

| Fourth Quarter 2025 Appendix III Results | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Well** | **Units** | **GWPS** | **AP17** | **AW1** | **AW2** | **AW-4** | **AW-5** | **AW-6** | **G110** | **G112** | **G120** | **G121** | **G122** | **P07D** | **R101** | **R111** | **RW3** |
| **Boron** | **mg/L** | 0.13375 | NI | 9.67 | 2.63 | NI | NI | NI | NR | NR | 8.23 | 3.57 | 10 | NR | 0.116 | 3.58 | 0.16 |
| **Calcium** | **mg/L** | 172.04 | NI | 209 | 138 | NI | NI | NI | NR | NR | 287 | 182 | 256 | NR | 132 | NR | 71.1 |
| **Chloride** | **mg/L** | 114.35 | NI | 38.2 | 29.6 | NI | NI | NI | NR | NR | 38.3 | 30.3 | 38.5 | NR | 108 | 198 | 27.1 |
| **Fluoride** | **mg/L** | 4 | NI | <0.5 | <0.5 | NI | NI | NI | NR | NR | <0.5 | <0.5 | <0.5 | NR | <0.5 | NR | <0.5 |
| **pH** | **SU** | 6.34-7.33 | NI | 6.62 | 6.82 | NI | NI | NI | NR | NR | 6.67 | 6.76 | 6.86 | NR | 7.49 | 6.92 | 7.09 |
| **Sulfate** | **mg/L** | 279.78 | NI | 403 | 140 | NI | NI | NI | NR | NR | 578 | 340 | 545 | NR | 251 | 31.4 | <10 |
| **TDS** | **mg/L** | 1024.52 | NI | 1190 | 812 | NI | NI | NI | NR | NR | 1530 | 1110 | 1430 | NR | 930 | 986 | 454 |
| **Turbidity** | **NTU** | -- | NI | 9.8 | 7 | NI | NI | NI | NR | NR | 39 | <1 | 15 | NR | 7.8 | NR | 130 |
| **First Quarter 2026 Appendix III Results** | | | | | | | | | | | | | | | | | |
| **Well** | **Units** | **GWPS** | **AP17** | **AW1** | **AW2** | **AW-4** | **AW-5** | **AW-6** | **G110** | **G112** | **G120** | **G121** | **G122** | **P07D** | **R101** | **R111** | **RW3** |
| **Boron** | **mg/L** | 0.13375 | NI | 9.24 | 1.92 | NI | NI | NI | 0.103 | 0.494 | 7.34 | 3.36 | 12 | 4.87 | 0.135 | 3.31 | 0.148 |
| **Calcium** | **mg/L** | 172.04 | NI | 198 | 138 | NI | NI | NI | NR | NR | 256 | 182 | 245 | 190 | 132 | NR | 66.9 |
| **Chloride** | **mg/L** | 114.35 | NI | 37.5 | 23.3 | NI | NI | NI | 5.8 | 168 | 37.3 | 28.5 | 38.4 | 30.7 | 109 | 185 | 27.5 |
| **Fluoride** | **mg/L** | 4 | NI | <0.5 | <0.5 | NI | NI | NI | NR | NR | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | NR | <0.5 |
| **pH** | **SU** | 6.34-7.33 | NI | 6.66 | 7.02 | NI | NI | NI | 6.94 | 7.04 | 7.01 | 6.95 | 6.66 | 6.87 | 7.33 | 6.9 | 7.18 |
| **Sulfate** | **mg/L** | 279.78 | NI | 397 | 78.4 | NI | NI | NI | <10 | 249 | 575 | 315 | 560 | 306 | 255 | 26.1 | <10 |
| **TDS** | **mg/L** | 1024.52 | NI | 1110 | 648 | NI | NI | NI | 480 | 1060 | 1430 | 1040 | 1370 | 994 | 834 | 836 | 414 |
| **Turbidity** | **NTU** | -- | NI | <1 | 7 | NI | NI | NI | NR | NR | 6.6 | <1 | 15 | 77 | 7.8 | NR | 5.4 |
| **Second Quarter 2026 Appendix III Results** | | | | | | | | | | | | | | | | | |
| **Well** | **Units** | **GWPS** | **AP17** | **AW1** | **AW2** | **AW-4** | **AW-5** | **AW-6** | **G110** | **G112** | **G120** | **G121** | **G122** | **P07D** | **R101** | **R111** | **RW3** |
| **Boron** | **mg/L** | 0.13375 | 0.16 | 10 | 3.06 | 0.177 | 0.259 | 9.21 | NR | NR | 7.87 | 4.03 | 10.6 | 4.94 | 0.129 | NR | NR |
| **Calcium** | **mg/L** | 172.04 | 103 | 211 | 158 | 205 | 120 | 228 | NR | NR | 263 | 189 | 245 | 185 | 136 | NR | NR |
| **Chloride** | **mg/L** | 114.35 | 16.7 | 39.3 | 29.4 | 32 | 27.4 | 423 | NR | NR | 37.6 | 30.4 | 38.4 | 31 | 114 | NR | NR |
| **Fluoride** | **mg/L** | 4 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | NR | NR | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | NR | NR |
| **pH** | **SU** | 6.34-7.33 | 6.83 | 6.59 | 6.33 | 6.44 | 6.43 | 6.8 | NR | NR | 6.61 | 6.66 | 6.56 | 6.7 | 7.12 | NR | NR |
| **Sulfate** | **mg/L** | 279.78 | <10 | 411 | 174 | 408 | 25.3 | 96.4 | NR | NR | 566 | 335 | 516 | 290 | 259 | NR | NR |
| **TDS** | **mg/L** | 1024.52 | 512 | 1130 | 826 | 1130 | 646 | 1570 | NR | NR | 1440 | 1040 | 1290 | 992 | 974 | NR | NR |
| **Turbidity** | **NTU** | -- | 7.2 | 26 | 8.9 | 32 | 66 | 38 | NR | NR | 59 | 8.2 | 22 | 18 | 9.5 | NR | NR |
| **Third Quarter 2026 Appendix III Results** | | | | | | | | | | | | | | | | | |
| **Well** | **Units** | **GWPS** | **AP17** | **AW1** | **AW2** | **AW-4** | **AW-5** | **AW-6** | **G110** | **G112** | **G120** | **G121** | **G122** | **P07D** | **R101** | **R111** | **RW3** |
| **Boron** | **mg/L** | 0.13375 | 0.188 | 9.57 | 2.58 | 0.202 | 0.22 | 9.13 | NR | NR | 7.93 | 3.83 | 11.2 | 4.43 | 0.14 | NR | 0.155 |
| **Calcium** | **mg/L** | 172.04 | 108 | 208 | 154 | 119 | 114 | 231 | NR | NR | 265 | 186 | 233 | 174 | 142 | NR | 69.1 |
| **Chloride** | **mg/L** | 114.35 | 15.9 | 39.1 | 25.7 | 23.7 | 23.9 | 415 | NR | NR | 37.9 | 28.7 | 38.3 | 30.1 | 111 | NR | 26.8 |
| **Fluoride** | **mg/L** | 4 | ND | ND | ND | ND | ND | ND | NR | NR | ND | ND | ND | ND | ND | NR | ND |
| **pH** | **SU** | 6.34-7.33 | 7.07 | 6.63 | 6.9 | 6.89 | 6.96 | 6.86 | NR | NR | 6.85 | 6.96 | 6.54 | 6.85 | 7.06 | NR | 7.04 |
| **Sulfate** | **mg/L** | 279.78 | <10 | 424 | 138 | 15 | 23 | 96.5 | NR | NR | 605 | 326 | 572 | 298 | 265 | NR | ND |
| **TDS** | **mg/L** | 1024.52 | 534 | 1250 | 792 | 602 | 646 | 1240 | NR | NR | 1550 | 1130 | 1490 | 1080 | 972 | NR | 470 |
| **Turbidity** | **NTU** | -- | 4.1 | 33 | 9.7 | 110 | 130 | 9.8 | NR | NR | 62 | 7.4 | 2 | 9.6 | 9.6 | NR | 2.9 |

**Notes**

NI = Not Installed; well not yet installed.

NR = Not Reported in the available dataset.

TDS = Total Dissolved Solids.

**Table 4. Summary of Groundwater Analytical Results**

| Fourth Quarter 2025 Appendix IV Results | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Well** | **Units** | **GWPS** | **AP17** | **AW1** | **AW2** | **AW-4** | **AW-5** | **AW-6** | **G110** | **G112** | **G120** | **G121** | **G122** | **P07D** | **R101** | **R111** | **RW3** |
| **Antimony** | **mg/L** | **0.006** | NI | <0.001 | NR | NI | NI | NI | <0.001 | <0.001 | <0.001 | NR | NR | NR | NR | NR | 0.0039 |
| **Arsenic** | **mg/L** | **0.01** | NI | 0.13 | 0.0134 | NI | NI | NI | 0.0046 | <0.001 | 0.0128 | 0.0126 | 0.0016 | NR | <0.001 | 0.0171 | 0.108 |
| **Barium** | **mg/L** | **2** | NI | 0.218 | NR | NI | NI | NI | NR | NR | 1.35 | NR | NR | NR | NR | NR | 0.167 |
| **Beryllium** | **mg/L** | **0.004** | NI | <0.0005 | NR | NI | NI | NI | NR | NR | 0.0006 | NR | NR | NR | NR | NR | <0.0005 |
| **Cadmium** | **mg/L** | **0.005** | NI | <0.002 | NR | NI | NI | NI | NR | NR | <0.002 | NR | NR | NR | NR | NR | <0.002 |
| **Chromium** | **mg/L** | **0.1** | NI | <0.005 | NR | NI | NI | NI | NR | NR | <0.005 | NR | NR | NR | NR | NR | <0.005 |
| **Cobalt** | **mg/L** | **0.006** | NI | <0.005 | NR | NI | NI | NI | NR | NR | 0.0051 | NR | NR | NR | NR | NR | <0.005 |
| **Lead** | **mg/L** | **0.015** | NI | <0.0075 | <0.0075 | NI | NI | NI | NR | NR | <0.0075 | <0.0075 | <0.0075 | NR | <0.0075 | <0.0075 | <0.0075 |
| **Lithium** | **mg/L** | **0.0524** | NI | 0.0105 | NR | NI | NI | NI | NR | NR | 0.0095 | NR | NR | NR | 0.0177 | NR | 0.0057 |
| **Mercury** | **mg/L** | **0.002** | NI | <0.0002 | NR | NI | NI | NI | NR | NR | <0.0002 | NR | NR | NR | NR | NR | <0.0002 |
| **Molybdenum** | **mg/L** | **0.1** | NI | <0.01 | NR | NI | NI | NI | NR | NR | <0.01 | NR | NR | NR | NR | NR | <0.01 |
| **Selenium** | **mg/L** | **0.05** | NI | <0.001 | NR | NI | NI | NI | NR | NR | <0.001 | NR | NR | NR | NR | NR | <0.001 |
| **Thallium** | **mg/L** | **0.002** | NI | <0.002 | NR | NI | NI | NI | NR | NR | <0.002 | NR | NR | NR | NR | NR | <0.002 |
| **Ra-226+228** | **pCi/L** | **5** | NI | <2 | NR | NI | NI | NI | NR | NR | 5.9 | NR | NR | NR | NR | NR | <2 |
| **First Quarter 2026 Appendix IV Results** | | | | | | | | | | | | | | | | | |
| **Well** | **Units** | **GWPS** | **AP17** | **AW1** | **AW2** | **AW-4** | **AW-5** | **AW-6** | **G110** | **G112** | **G120** | **G121** | **G122** | **P07D** | **R101** | **R111** | **RW3** |
| **Antimony** | **mg/L** | **0.006** | NI | <0.001 | <0.001 | NI | NI | NI | <0.001 | <0.001 | <0.001 | 0.001 | <0.001 | <0.001 | 0.002 | <0.001 | <0.001 |
| **Arsenic** | **mg/L** | **0.01** | NI | 0.152 | 0.0099 | NI | NI | NI | 0.0055 | 0.0014 | 0.0105 | 0.0075 | 0.0025 | 0.0294 | <0.001 | 0.0156 | 0.0654 |
| **Barium** | **mg/L** | **2** | NI | 0.491 | 0.422 | NI | NI | NI | NR | NR | 0.498 | 0.38 | 0.425 | 0.917 | 0.148 | NR | 0.138 |
| **Beryllium** | **mg/L** | **0.004** | NI | <0.0005 | <0.0005 | NI | NI | NI | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 |
| **Cadmium** | **mg/L** | **0.005** | NI | <0.002 | <0.002 | NI | NI | NI | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 |
| **Chromium** | **mg/L** | **0.1** | NI | <0.005 | <0.005 | NI | NI | NI | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| **Cobalt** | **mg/L** | **0.006** | NI | <0.005 | <0.005 | NI | NI | NI | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| **Lead** | **mg/L** | **0.015** | NI | <0.0075 | <0.0075 | NI | NI | NI | <0.01 | <0.01 | <0.0075 | <0.0075 | <0.0075 | <0.0075 | <0.0075 | <0.01 | <0.0075 |
| **Lithium** | **mg/L** | **0.0524** | NI | 0.0089 | 0.0057 | NI | NI | NI | NR | NR | 0.0079 | 0.0065 | 0.0072 | 0.0091 | 0.0177 | NR | 0.0056 |
| **Mercury** | **mg/L** | **0.002** | NI | <0.0002 | <0.0002 | NI | NI | NI | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| **Molybdenum** | **mg/L** | **0.1** | NI | <0.01 | <0.01 | NI | NI | NI | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| **Selenium** | **mg/L** | **0.05** | NI | <0.001 | <0.001 | NI | NI | NI | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| **Thallium** | **mg/L** | **0.002** | NI | <0.002 | <0.002 | NI | NI | NI | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 |
| **Ra-226+228** | **pCi/L** | **5** | NI | <2 | 2.29 | NI | NI | NI | NR | NR | <2 | <2 | 3.42 | 3.39 | 6.24 | NR | <2 |
| **Second Quarter 2026 Appendix IV Results** | | | | | | | | | | | | | | | | | |
| **Well** | **Units** | **GWPS** | **AP17** | **AW1** | **AW2** | **AW-4** | **AW-5** | **AW-6** | **G110** | **G112** | **G120** | **G121** | **G122** | **P07D** | **R101** | **R111** | **RW3** |
| **Antimony** | **mg/L** | **0.006** | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | NR | NR | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | NR | NR |
| **Arsenic** | **mg/L** | **0.01** | 0.0062 | 0.0357 | 0.0144 | 0.0143 | 0.0086 | 0.0301 | NR | NR | 0.0169 | 0.0141 | 0.0019 | 0.0272 | 0.0014 | NR | NR |
| **Barium** | **mg/L** | **2** | 0.218 | 0.11 | 0.603 | 0.556 | 0.312 | 0.95 | NR | NR | 1.88 | 0.5 | 0.52 | 0.854 | 0.283 | NR | NR |
| **Beryllium** | **mg/L** | **0.004** | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | NR | NR | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | NR | NR |
| **Cadmium** | **mg/L** | **0.005** | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | NR | NR | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | NR | NR |
| **Chromium** | **mg/L** | **0.1** | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | NR | NR | 0.0061 | <0.005 | <0.005 | <0.005 | <0.005 | NR | NR |
| **Cobalt** | **mg/L** | **0.006** | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | NR | NR | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | NR | NR |
| **Lead** | **mg/L** | **0.015** | <0.0075 | <0.0075 | <0.0075 | <0.0075 | <0.0075 | <0.0075 | NR | NR | <0.0075 | <0.0075 | <0.0075 | <0.0075 | <0.0075 | | NR |
| **Lithium** | **mg/L** | **0.0524** | 0.0079 | 0.0104 | 0.005 | <0.040 | 0.0208 | 0.0077 | NR | NR | <0.040 | 0.0076 | 0.0072 | <0.040 | 0.0176 | NR | NR |
| **Mercury** | **mg/L** | **0.002** | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | NR | NR | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | NR | NR |
| **Molybdenum** | **mg/L** | **0.1** | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | NR | NR | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | NR | NR |
| **Selenium** | **mg/L** | **0.05** | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | NR | NR | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | NR | NR |
| **Thallium** | **mg/L** | **0.002** | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | NR | NR | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | NR | NR |
| **Ra-226+228** | **pCi/L** | **5** | <2 | <2 | <2 | <2 | <2 | 2.21 | NR | NR | <2 | <2 | <2 | <2 | <2 | NR | NR |
| **Third Quarter 2026 Appendix IV Results** | | | | | | | | | | | | | | | | | |
| **Well** | **Units** | **GWPS** | **AP17** | **AW1** | **AW2** | **AW-4** | **AW-5** | **AW-6** | **G110** | **G112** | **G120** | **G121** | **G122** | **P07D** | **R101** | **R111** | **RW3** |
| **Antimony** | **mg/L** | **0.006** | <0.001 | <0.001 | <0.001 | 0.0011 | <0.001 | <0.001 | NR | NR | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | NR | NR |
| **Arsenic** | **mg/L** | **0.01** | 0.0043 | 0.0813 | 0.0098 | 0.0084 | 0.0096 | 0.025 | NR | NR | <0.001 | 0.0177 | 0.0031 | 0.0305 | 0.0018 | NR | 0.119 |
| **Barium** | **mg/L** | **2** | 0.221 | 0.12 | 0.44 | 0.317 | 0.289 | 0.898 | NR | NR | 0.103 | 0.633 | 0.433 | 0.743 | 0.29 | NR | 0.168 |
| **Beryllium** | **mg/L** | **0.004** | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | NR | NR | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | NR | <0.0005 |
| **Cadmium** | **mg/L** | **0.005** | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | NR | NR | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | NR | <0.002 |
| **Chromium** | **mg/L** | **0.1** | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | NR | NR | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | NR | <0.005 |
| **Cobalt** | **mg/L** | **0.006** | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | NR | NR | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | NR | <0.005 |
| **Lead** | **mg/L** | **0.015** | <0.0075 | <0.0075 | <0.0075 | <0.0075 | <0.0075 | <0.0075 | NR | NR | <0.0075 | <0.0075 | <0.0075 | <0.0075 | <0.0075 | NR | <0.0075 |
| **Lithium** | **mg/L** | **0.0524** | 0.0097 | 0.0099 | 0.0071 | 0.0139 | 0.0196 | 0.0101 | NR | NR | 0.0071 | 0.0086 | 0.0077 | 0.0089 | 0.0149 | NR | 0.0086 |
| **Mercury** | **mg/L** | **0.002** | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | NR | NR | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | NR | <0.0002 |
| **Molybdenum** | **mg/L** | **0.1** | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | NR | NR | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | NR | <0.010 |
| **Selenium** | **mg/L** | **0.05** | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | NR | NR | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | NR | 0.0022 |
| **Thallium** | **mg/L** | **0.002** | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | NR | NR | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | NR | <0.002 |
| **Ra-226+228** | **pCi/L** | **5** | 2.82 | <2 | <2 | <2 | <2 | 2.64 | NR | NR | 3.1 | <2 | <2 | <2 | <2 | NR | <2 |

**Notes**

1. NI = Not Installed; well not yet installed.
2. NR = Not Reported in the available dataset.
3. L303 leachate results are presented separately in Table 6 and are not included in Table 4.

# TABLE 5:
# GROUNDWATER PROTECTION STANDARD (GWPS) EXCEEDANCE SUMMARY

**Table 5. Groundwater Protection Standard (GWPS) Exceedance Summary**

| Boron = 0.13375 mg/L | AP17 | AW1 | AW2 | AW4 | AW5 | AW6 | R111 | G112 | G120 | G121 | G122 | P07D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fourth Quarter 2025 | | 9.67 | 2.63 | | | | 3.58 | 0.359 | 8.23 | 3.57 | 10 | |
| First Quarter 2026 | | 9.24 | 1.92 | | | | 3.31 | 0.494 | 7.34 | 3.36 | 12 | |
| Second Quarter 2026 | 0.16 | 10 | 3.06 | 0.177 | 0.259 | 9.21 | | | 7.87 | 4.03 | 10.6 | 4.94 |
| Third Quarter 2026 | 0.188 | 9.57 | 2.58 | 0.202 | 0.22 | 9.13 | | | 7.93 | 3.83 | 11.2 | 4.43 |

| Calcium = 172.04 mg/L | AW1 | AW4 | AW6 | G120 | G121 | G122 | P07D |
|---|---|---|---|---|---|---|---|
| Fourth Quarter 2025 | 209 | | | 287 | 182 | 256 | |
| First Quarter 2026 | 198 | | | 256 | 182 | 245 | 190 |
| Second Quarter 2026 | 211 | 205 | 228 | 263 | 189 | 245 | 185 |
| Third Quarter 2026 | 208 | | 231 | 265 | 186 | 233 | 174 |

| Chloride = 114.35 mg/L | AW6 | R111 | G112 |
|---|---|---|---|
| Fourth Quarter 2025 | | 198 | 135 |
| First Quarter 2026 | | 185 | 168 |
| Second Quarter 2026 | | | |
| Third Quarter 2026 | 423 | | |

| Sulfate = 279.78 mg/L | AW1 | AW4 | G120 | G121 | G122 | P07D |
|---|---|---|---|---|---|---|
| Fourth Quarter 2025 | 403 | | 578 | 340 | 545 | |
| First Quarter 2026 | 397 | | 575 | 315 | 560 | 306 |
| Second Quarter 2026 | | | | | | |
| Third Quarter 2026 | | 408 | 566 | 335 | 516 | 290 |

| TDS = 1,024.52 mg/L | AW1 | AW4 | AW6 | G120 | G121 | G122 |
|---|---|---|---|---|---|---|
| Fourth Quarter 2025 | 1,190 | | | 1,530 | 1,110 | 1,430 |
| First Quarter 2026 | | | | | | |
| Second Quarter 2026 | 1,130 | 1,130 | 1,570 | 1,440 | 1,040 | 1,290 |
| Third Quarter 2026 | | | | | | |

| Arsenic = 0.010 mg/L | AW1 | AW2 | RW3 | AW4 | AW6 | R111 | G120 | G121 | P07D |
|---|---|---|---|---|---|---|---|---|---|
| Fourth Quarter 2025 | 0.13 | 0.0134 | 0.108 | | | | 0.0128 | 0.0126 | |
| First Quarter 2026 | 0.152 | | 0.065 | | | 0.0156 | 0.0105 | | |
| Second Quarter 2026 | 0.0357 | 0.0144 | | 0.0143 | 0.0301 | | 0.0169 | 0.0141 | 0.0272 |
| Third Quarter 2026 | 0.0813 | | 0.119 | | 0.025 | | | 0.0177 | 0.0305 |

| Radium226/228 = 5.0 pCi/L | R101 | G120 |
|---|---|---|
| Fourth Quarter 2025 | | 5.9 |
| First Quarter 2026 | 6.24 | 5.9 |
| Second Quarter 2026 | | |
| Third Quarter 2026 | | |

**Notes**

1. Only exceedances of the groundwater protection standard (GWPS) shown on this table.
2. Blank cell = no GWPS exceedance observed during the monitoring event.
3. Lithium was detected in multiple monitoring wells during the investigation but no GWPS exceedances were observed.

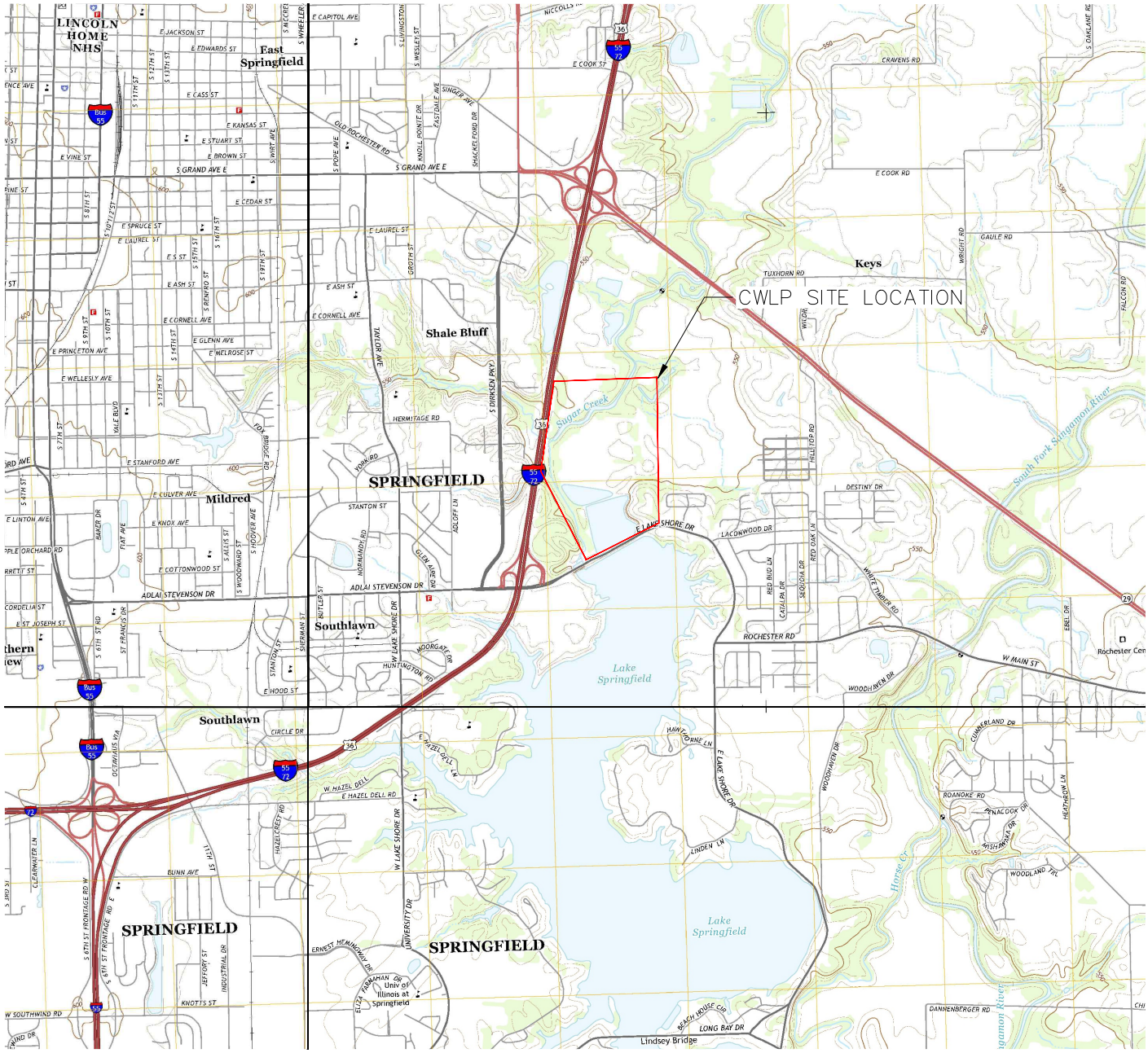
# TABLE 6:
## ALTERNATE SOURCE DEMONSTRATION
## MULTIPLE LINES OF EVIDENCE SUMMARY

**Table 6. Multiple Lines of Evidence Supporting the Alternate Source Demonstration**

| Monitoring Point / Line of Evidence | Groundwater Elevation (ft MSL) | Arsenic Concentration (07/26) (mg/L) | Observation | Significance |
|---|---|---|---|---|
| **AW-1** | 542.32 | 0.0813 | Highest arsenic concentration within the principal groundwater flow corridor. | Represents groundwater quality conditions in the vicinity of the suspected source area. |
| **G120** | 537.72 | <0.001 | Hydraulically upgradient well adjacent to the Dallman Ash Pond. Historical monitoring identified elevated arsenic concentrations and supporting indicator constituents despite the lower July 2026 arsenic result. | Supports interpretation that groundwater originating near the Dallman Ash Pond is hydraulically upgradient of the Unit 2 monitoring system. |
| **AW-6** | 526.05 | 0.025 | Located between AW-1 and the Unit 2 monitoring system. Elevated arsenic and boron detected during both monitoring events. | Provides direct hydraulic and geochemical continuity along the interpreted groundwater migration pathway. |
| **AW-4** | 530.12 | 0.0084 | Located immediately upgradient of Unit 2. Arsenic detected during both monitoring events. | Demonstrates arsenic-bearing groundwater is present immediately upgradient of the Unit 2 monitoring network. |
| **AW-5** | 528.35 | 0.0096 | Located immediately upgradient of Unit 2. Arsenic, boron, lithium, and sulfate detected. | Confirms occurrence of arsenic and CCR-related indicator constituents upgradient of AW-2, P07D, and G121. |
| **AW-2** | 526.77 | 0.0098 | Unit 2 monitoring well exhibiting elevated arsenic concentrations. | Part of the groundwater monitoring system subject to the ASD evaluation. |
| **P07D** | 525.41 | 0.0305 | Elevated arsenic concentration comparable to AW-6. | Supports continuity of arsenic occurrence along the interpreted groundwater migration corridor. |
| **G121** | 527.76 | 0.0177 | Elevated arsenic concentration within the Unit 2 monitoring system. | Indicates arsenic occurrence persists within downgradient portions of the monitoring network. |
| **Upgradient Hydraulic Position** | — | — | AW-1 and G120 consistently exhibit groundwater elevations greater than the Unit 2 monitoring wells. | Demonstrates the Dallman Ash Pond area is hydraulically upgradient of the Unit 2 monitoring system. |
| **Groundwater Flow Direction** | — | — | Potentiometric surface maps consistently indicate groundwater movement from the Dallman Ash Pond area through the assessment well network and toward AW-2, P07D, and G121. | Provides a hydraulic mechanism for constituent migration toward the Unit 2 monitoring network. |
| **Assessment Well Results** | — | — | Arsenic was detected in AW-4, AW-5, and AW-6 prior to groundwater reaching AW-2, P07D, and G121. | Demonstrates arsenic-bearing groundwater is present upgradient of the Unit 2 monitoring system. |
| **Geochemical Continuity** | — | — | Elevated arsenic and supporting indicator constituents, including boron, sulfate, calcium, lithium, and TDS, occur throughout the interpreted groundwater migration corridor. | Indicates groundwater quality conditions observed in the Unit 2 monitoring system are part of a broader upgradient groundwater quality trend. |
| **Hydrogeologic Framework** | — | — | Cross sections indicate continuity of the basal sand/weathered shale interface aquifer between the Dallman Ash Pond area and the Unit 2 monitoring system. | Supports continuity of the groundwater-bearing interval between the Dallman Ash Pond area and the Unit 2 groundwater monitoring system. |
| **Overall Evaluation** | — | — | Hydraulic, geochemical, leachate comparison, and hydrogeologic evidence are mutually consistent. | Supports conclusion that groundwater quality conditions observed in AW-2, P07D, and G121 are associated with groundwater originating from hydraulically upgradient portions of the site. |

# FIGURE 1:
SITE LOCATION

J:\S\Springfield CWLP\CWLP Ash Pond\DWG\2026\FSDS Landfill ASD\Site Map.dwg Tab: Layout1




N

0 200 4000 8000

SCALE: IN FEET

NOTE:
BACKGROUND IMAGE COURTESY OF
UNITED STATES GEOLOGICAL SURVEY.


ANDREWS ENGINEERING
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APPROVED BY: MTH | DESIGNED BY: MTH | DRAWN BY: BCK

SITE LOCATION

PLANS PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: AUGUST 2026
PROJECT ID: 4926.1207.00
SHEET NUMBER:

FIG. 1

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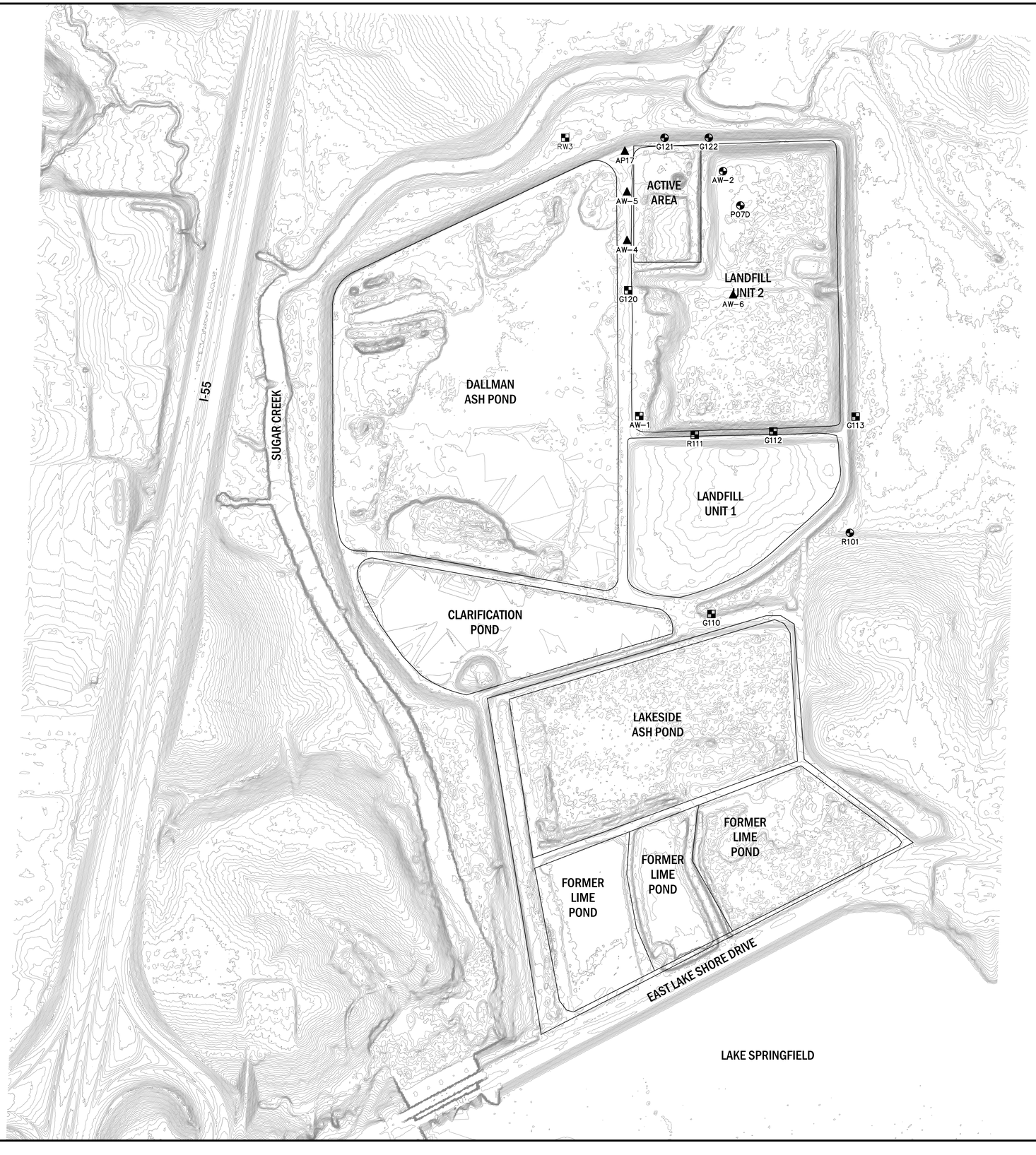
# FIGURE 2:
SITE FEATURES AND
MONITORING WELL NETWORK




## LEGEND

- 40 CFR 257 GROUNDWATER MONITORING WELL
- PIEZOMETER (FOR GROUNDWATER ELEVATIONS ONLY)
- TEMPORARY ASSESSMENT WELL

## NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).

N

0 200 400 800

SCALE: IN FEET

| NO. | DATE | REVISION DESCRIPTION | BY |
|---|---|---|---|

ANDREWS ENGINEERING
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PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

DESIGNED BY: MTH | DRAWN BY: BCK | APPROVED BY: MTH

SITE DETAILS MAP

PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: AUGUST 2026

PROJECT ID: 4926.1207.00

SHEET NUMBER:

FIG 2

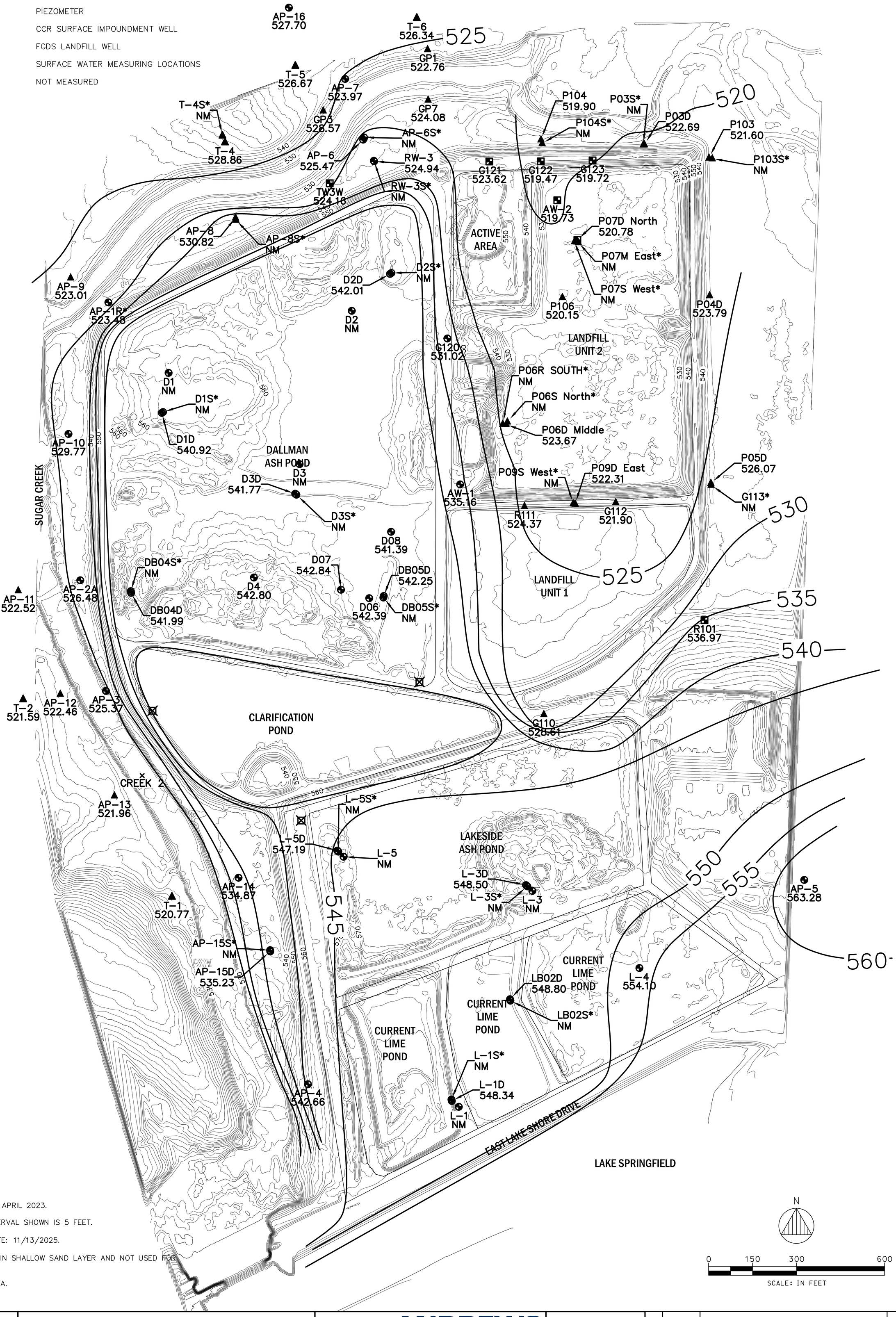
© 2026 Andrews Engineering, Inc.

Tab: SITE DETAILS MAP Last Saved: August 19, 2026, by Ben Karpus Plotted: Wednesday, August 19, 2026 11:54:54 AM
J:\S\Springfield CWLP\CWLP Ash Pond\DWG\2026\FSDS Landfill ASD\Site Detail Map.dwg

# FIGURE 3:
## POTENTIOMETRIC SURFACE MAP, FOURTH QUARTER 2025

## LEGEND

- 550 — EXISTING GROUND CONTOURS
- —540— GROUNDWATER CONTOURS
- ▲ TEMPORARY ASSESSMENT WELL/PIEZOMETER
- ○ PIEZOMETER
- ◔ CCR SURFACE IMPOUNDMENT WELL
- ▪ FGDS LANDFILL WELL
- ⊠ SURFACE WATER MEASURING LOCATIONS
- NM NOT MEASURED




## NOTES

1. FLIGHT DATE: APRIL 2023.
2. CONTOUR INTERVAL SHOWN IS 5 FEET.
3. SAMPLING DATE: 11/13/2025.
4. (*) WELL WITHIN SHALLOW SAND LAYER AND NOT USED FOR CONTOURS.
5. ND = NO DATA.

N

0 150 300 600

SCALE: IN FEET

FIG. 3

SHEET NUMBER:

PROJECT ID: 4926.1207.00

DATE: AUGUST 2026

4TH QUARTER 2025 GROUNDWATER SURFACE MAP

PREPARED FOR

CITY WATER, LIGHT, AND POWER

SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

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APPROVED BY: MTH | DESIGNED BY: MTH | DRAWN BY: BCK

| NO. | DATE | REVISION DESCRIPTION | BY |
|---|---|---|---|

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# FIGURE 4:
## POTENTIOMETRIC SURFACE MAP, FIRST QUARTER 2026

## LEGEND

- 550 — EXISTING GROUND CONTOURS
- —540— GROUNDWATER CONTOURS
- ▲ TEMPORARY ASSESSMENT WELL/PIEZOMETER
- ○ PIEZOMETER
- ◔ CCR SURFACE IMPOUNDMENT WELL
- ■ FGDS LANDFILL WELL
- ⊠ SURFACE WATER MEASURING LOCATIONS
- NM NOT MEASURED

AP-16 526.86
T-6 525.18
GP1 523.17
T-5 526.15
AP-7 523.75
GP3 528.33
GP7 524.88
T-4S* NM
AP-6S* NM
T-4 528.55
AP-6 525.51
RW-3S* NM
RW-3 525.52
TW3W 523.48
P104 521.36
P104S* NM
P03S* NM
P03D 524.47
P103S* NM
P103 523.46
G121 523.42
G122 520.78
G123 521.54
AW-2 521.58
P07D North 522.09
P07S West* NM
P07M East* NM
ACTIVE AREA
AP-8 531.54
AP-8S* NM
D2S* NM
D2D 542.79
AP-9 523.11
AP-1R* 524.32
D2 NM
P106 520.59
P04D 525.46
LANDFILL UNIT 2
D1 NM
D1S* NM
D1D 541.77
P06R SOUTH* NM
P06S North* NM
P06D Middle 525.29
AP-10 530.11
EL. 520.21
SUGAR CREEK
I-55
DALLMAN ASH POND
D3 NM
D3D 542.93
D3S* NM
P09D East 524.38
AW-1 536.51
R111 526.00
G112 524.40
P09S West* NM
P05D 526.76
G113* NM
D08 543.32
DB04S* NM
DB04D 541.66
DB05D 543.41
DB05S* NM
D4 543.00
D07 543.20
D06 543.18
LANDFILL UNIT 1
AP-11 522.68
AP-2A 527.17
R101 537.96
AP-12 532.57
AP-3 525.27
CLARIFICATION POND
G110 529.82
T-2 522.31
CREEK 2
AP-13 522.23
L-5D 546.99
L-5S* NM
L-5 NM
LAKESIDE ASH POND
L-3D 547.92
L-3S* NM
L-3 NM
AP-5 564.68
AP-14 536.11
T-1 520.90
AP-15S* NM
AP-15D 535.58
LBO2D 549.13
LBO2S* NM
CURRENT LIME POND
L-4 554.69
L-1D 547.57
L-1S* NM
L-1 NM
AP-4 542.66
EAST LAKE SHORE DRIVE
LAKE SPRINGFIELD
EL. 559.50

## NOTES

1. FLIGHT DATE: APRIL 2023.
2. CONTOUR INTERVAL SHOWN IS 5 FEET.
3. SAMPLING DATE: 2/11/2026.
4. (*) WELL WITHIN SHALLOW SAND LAYER AND NOT USED FOR CONTOURS.
5. ND = NO DATA.

N

0 100 200 400

SCALE: IN FEET

FIG. 4

SHEET NUMBER:

PROJECT ID: 4926.1207.00

DATE: AUGUST 2026

1ST QUARTER 2026 GROUNDWATER SURFACE MAP

PREPARED FOR

CITY WATER, LIGHT, AND POWER

SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

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APPROVED BY: MTH | DESIGNED BY: MTH | DRAWN BY: BCK

| NO. | DATE | REVISION DESCRIPTION | BY |
|---|---|---|---|

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# FIGURE 5

POTENTIOMETRIC SURFACE MAP,
MAY 28, 2026

## LEGEND

- 550 — EXISTING GROUND CONTOURS
- —540— GROUNDWATER CONTOURS
- ▲ TEMPORARY ASSESSMENT WELL/PIEZOMETER
- ○ PIEZOMETER
- ◔ CCR SURFACE IMPOUNDMENT WELL
- ■ FGDS LANDFILL WELL
- ☒ SURFACE WATER MEASURING LOCATIONS
- NM NOT MEASURED

## NOTES

1. FLIGHT DATE: APRIL 2023.
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 2 FEET.
4. SAMPLING DATE: 5/28/2026.
5. SUGAR CREEK SURFACE WATER ELEVATION IS BASED ON USGS GAGE 05576250 FOR 5/28/2026.
6. "NM" – NOT MEASURED.
7. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.
8. (*) – DATA NOT USED TO CREATE CONTOURS.

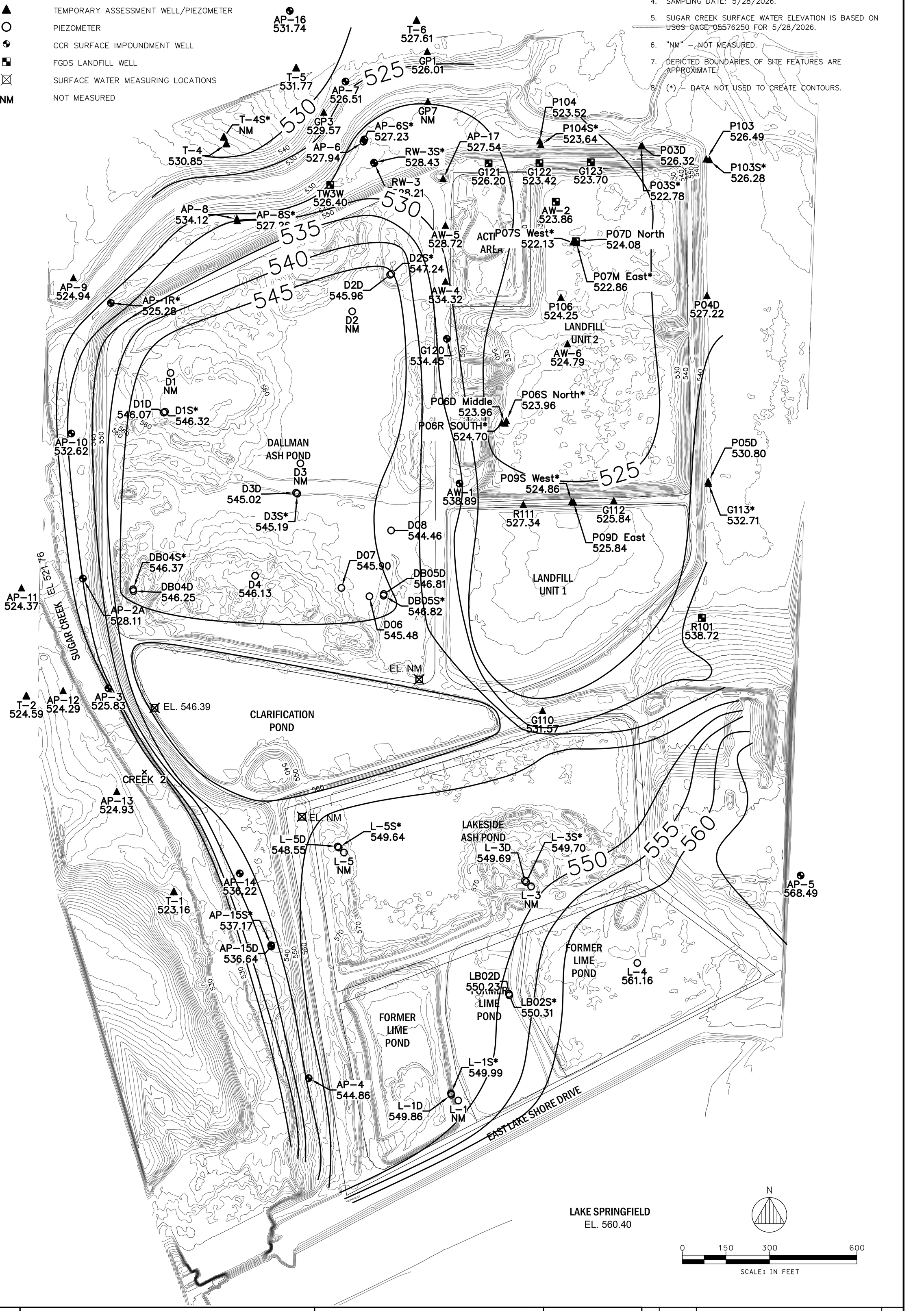


FIG. 5

POTENTIOMETRIC SURFACE MAP
MAY 28, 2026

PREPARED FOR

CITY WATER, LIGHT, AND POWER

SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: AUGUST 2026
PROJECT ID: 4926.1207.00
SHEET NUMBER:

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# FIGURE 6
## POTENTIOMETRIC SURFACE MAP, SECOND QUARTER 2026

## LEGEND

- 550 — EXISTING GROUND CONTOURS
- —540— GROUNDWATER CONTOURS
- ▲ TEMPORARY ASSESSMENT WELL/PIEZOMETER
- ○ PIEZOMETER
- ◔ CCR SURFACE IMPOUNDMENT WELL
- ■ FGDS LANDFILL WELL
- ☒ SURFACE WATER MEASURING LOCATIONS
- NM NOT MEASURED

## NOTES

1. FLIGHT DATE: APRIL 2023.
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 2 FEET.
4. SAMPLING DATE: 6/25/2026.
5. SUGAR CREEK SURFACE WATER ELEVATION IS BASED ON USGS GAGE 05576250 FOR 6/25/2026.
6. "NM" – NOT MEASURED.
7. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.
8. (*) – DATA NOT USED TO CREATE CONTOURS.

AP–16 NM
T–6 NM
GP1 NM
T–5 NM
AP–7 NM
GP7 528.47
P104 527.21
T–4S* NM
GP3 NM
AP–6S* 530.55
P104S* 528.24
P103 NM
T–4 NM
AP–6 529.14
RW–3S* 532.03
AP–17 528.55
P03D 527.67
P103S* NM
G121 527.40
G122 527.22
G123 526.09
RW–3 528.91
TW3W 531.11
P03S* 528.64
AP–8 535.42
AP–8S* 529.96
AW–2 526.41
AW–5 529.65
ACTIVE AREA
P07S West* 523.85
P07D North 525.63
AP–9 NM
D2D 549.48
D2S* 549.26
P07M East* 524.66
AP–1R* 531.13
AW–4 535.27
P106 523.24
P04D 528.41
D2 NM
LANDFILL UNIT 2
G120 535.57
AW–6 525.92
D1 NM
P06S North* 523.96
D1D 547.28
D1S* 559.10
P06D Middle 523.96
P06R SOUTH* 524.70
AP–10 535.36
DALLMAN ASH POND
D3 NM
P05D 531.11
P09S West* 525.59
D3D 550.18
AW–1 540.81
D3S* 550.51
R111 528.17
G112 526.64
G113* 533.48
D08 550.46
P09D East 526.71
DB04S* 547.23
D07 NM
DB05D NM
LANDFILL UNIT 1
AP–11 NM
DB04D 546.84
D4 546.84
DB05S* NM
AP–2A 531.27
D06 NM
R101 540.38
EL. NM
AP–3 529.94
EL. 546.99
G110 532.25
T–2 NM
AP–12 NM
CLARIFICATION POND
AP–13 NM
EL. NM
L–5S* 550.19
LAKESIDE ASH POND
L–5D 548.48
L–5 NM
L–3D 549.98
L–3S* 550.40
AP–14 NM
L–3 NM
AP–5 569.87
T–1 NM
AP–15S* NM
AP–15D NM
FORMER LIME POND
LB02D 551.35
L–4 560.76
LB02S* 551.44
L–1S* 550.98
AP–4 545.46
L–1D 550.88
L–1 NM
EAST LAKE SHORE DRIVE
SUGAR CREEK
EL. 530.82

LAKE SPRINGFIELD
EL. 560.55

N

0 150 300 600
SCALE: IN FEET

FIG. 6

POTENTIOMETRIC SURFACE MAP
JUNE 25, 2026

PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: AUGUST 2026
PROJECT ID: 4926.1207.00
SHEET NUMBER:

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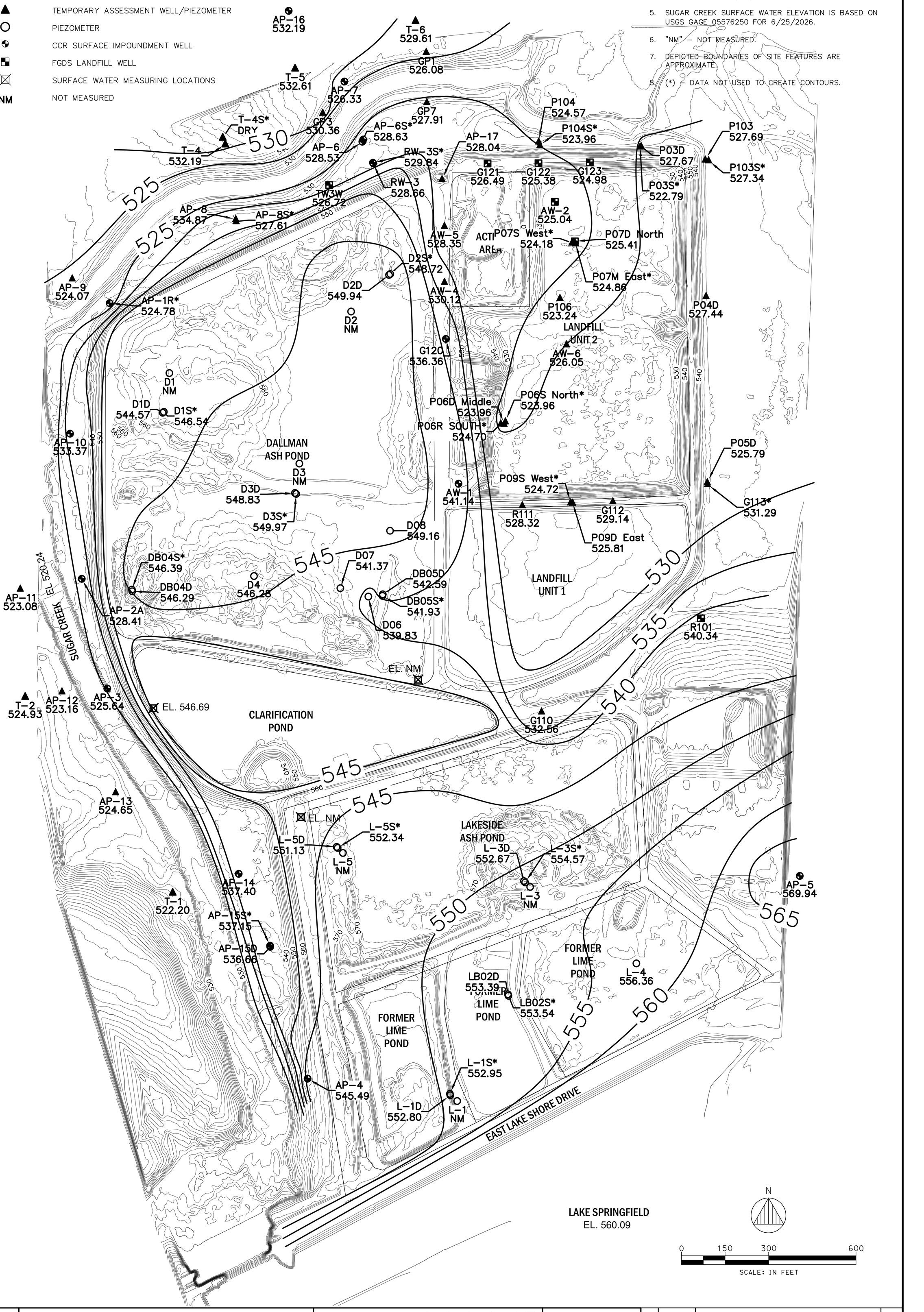
# FIGURE 7:
## POTENTIOMETRIC SURFACE MAP, THIRD QUARTER 2026

## LEGEND

- 550 — EXISTING GROUND CONTOURS
- —540— GROUNDWATER CONTOURS
- ▲ TEMPORARY ASSESSMENT WELL/PIEZOMETER
- ○ PIEZOMETER
- ◔ CCR SURFACE IMPOUNDMENT WELL
- ■ FGDS LANDFILL WELL
- ☒ SURFACE WATER MEASURING LOCATIONS
- NM NOT MEASURED

## NOTES

1. FLIGHT DATE: APRIL 2023.
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 2 FEET.
4. SAMPLING DATE: 7/23/2026.
5. SUGAR CREEK SURFACE WATER ELEVATION IS BASED ON USGS GAGE 05576250 FOR 6/25/2026.
6. "NM" – NOT MEASURED.
7. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.
8. (*) – DATA NOT USED TO CREATE CONTOURS.




LAKE SPRINGFIELD
EL. 560.09

N

0 150 300 600
SCALE: IN FEET

FIG. 7

POTENTIOMETRIC SURFACE MAP
JULY 23, 2026

PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

SHEET NUMBER:
PROJECT ID: 4926.1207.00
DATE: AUGUST 2026

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# FIGURE 8:
## ARSENIC CONCENTRATION BUBBLE MAP

## LEGEND

- 550 — EXISTING GROUND CONTOURS
- ▲ TEMPORARY ASSESSMENT WELL/PIEZOMETER
- ○ PIEZOMETER
- ◕ CCR SURFACE IMPOUNDMENT WELL
- ▪ FGDS LANDFILL WELL
- ⊠ SURFACE WATER MEASURING LOCATIONS
- NM NOT MEASURED

## NOTES

1. FLIGHT DATE: APRIL 2023.
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 2 FEET.
4. SAMPLING DATE: 7/23/2026.
5. SUGAR CREEK SURFACE WATER ELEVATION IS BASED ON USGS GAGE 05576250 FOR 6/25/2026.
6. "NM" – NOT MEASURED.
7. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.
8. (*) – DATA NOT USED TO CREATE CONTOURS.

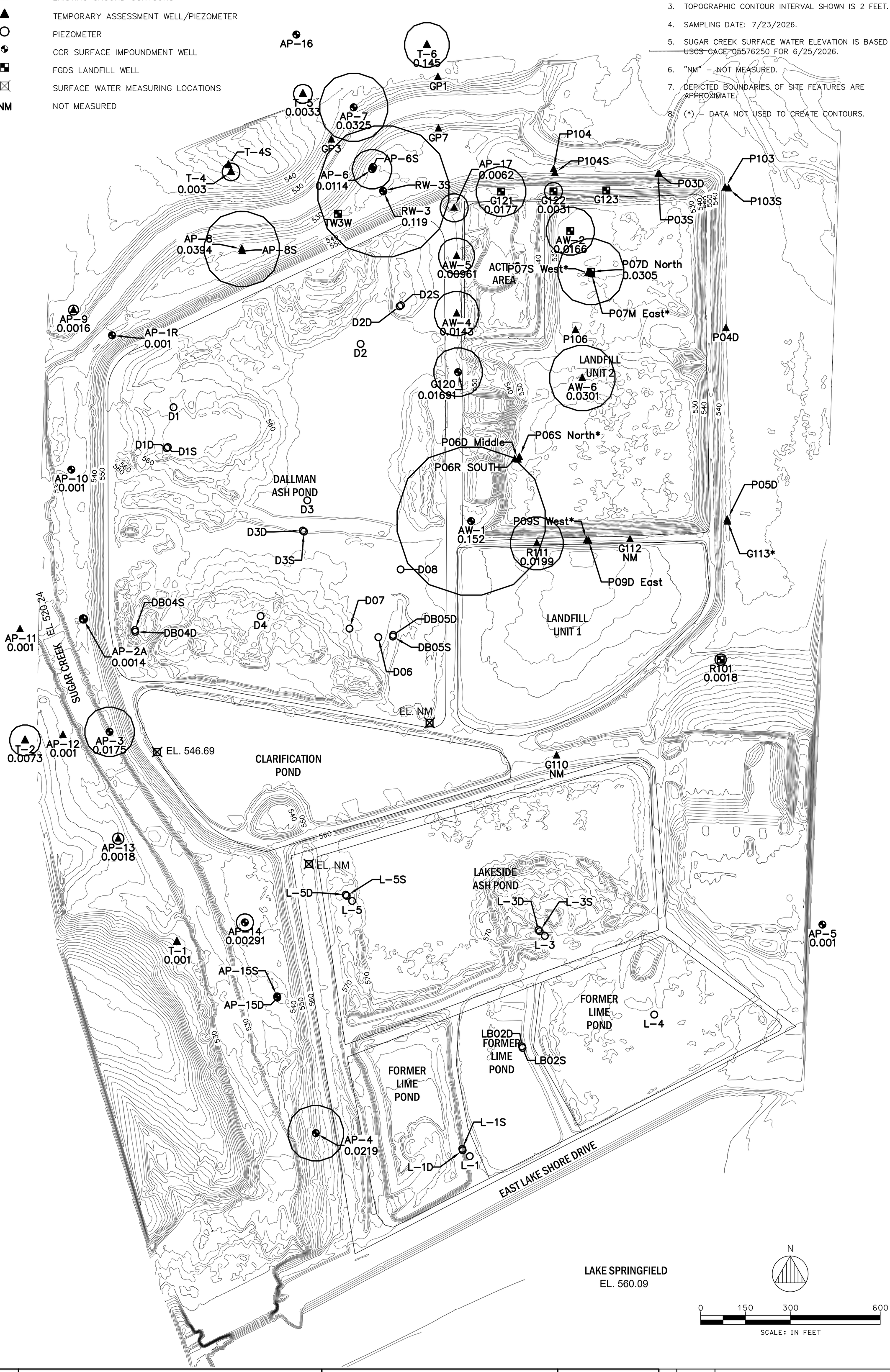


FIG. 8

ARSENIC CONCENTRATION BUBBLE MAP

PREPARED FOR

CITY WATER, LIGHT, AND POWER

SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: AUGUST 2026

PROJECT ID: 4926.1207.00

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# FIGURE 9:
ARSENIC CONCENTRATION MAP OVERLAID ON POTENTIOMETRIC SURFACE MAP

## LEGEND

- 550 — EXISTING GROUND CONTOURS
- —540— ARSENIC CONCENTRATION CONTOURS
- —540— GROUNDWATER CONTOURS
- ▲ TEMPORARY ASSESSMENT WELL/PIEZOMETER
- ○ PIEZOMETER
- ◕ CCR SURFACE IMPOUNDMENT WELL
- ■ FGDS LANDFILL WELL
- ⊠ SURFACE WATER MEASURING LOCATIONS
- NM NOT MEASURED

## NOTES

1. FLIGHT DATE: APRIL 2023.
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 2 FEET.
4. SAMPLING DATE: 7/23/2026.
5. SUGAR CREEK SURFACE WATER ELEVATION IS BASED ON USGS GAGE 05576250 FOR 6/25/2026.
6. "NM" – NOT MEASURED.
7. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.
8. (*) – DATA NOT USED TO CREATE CONTOURS.

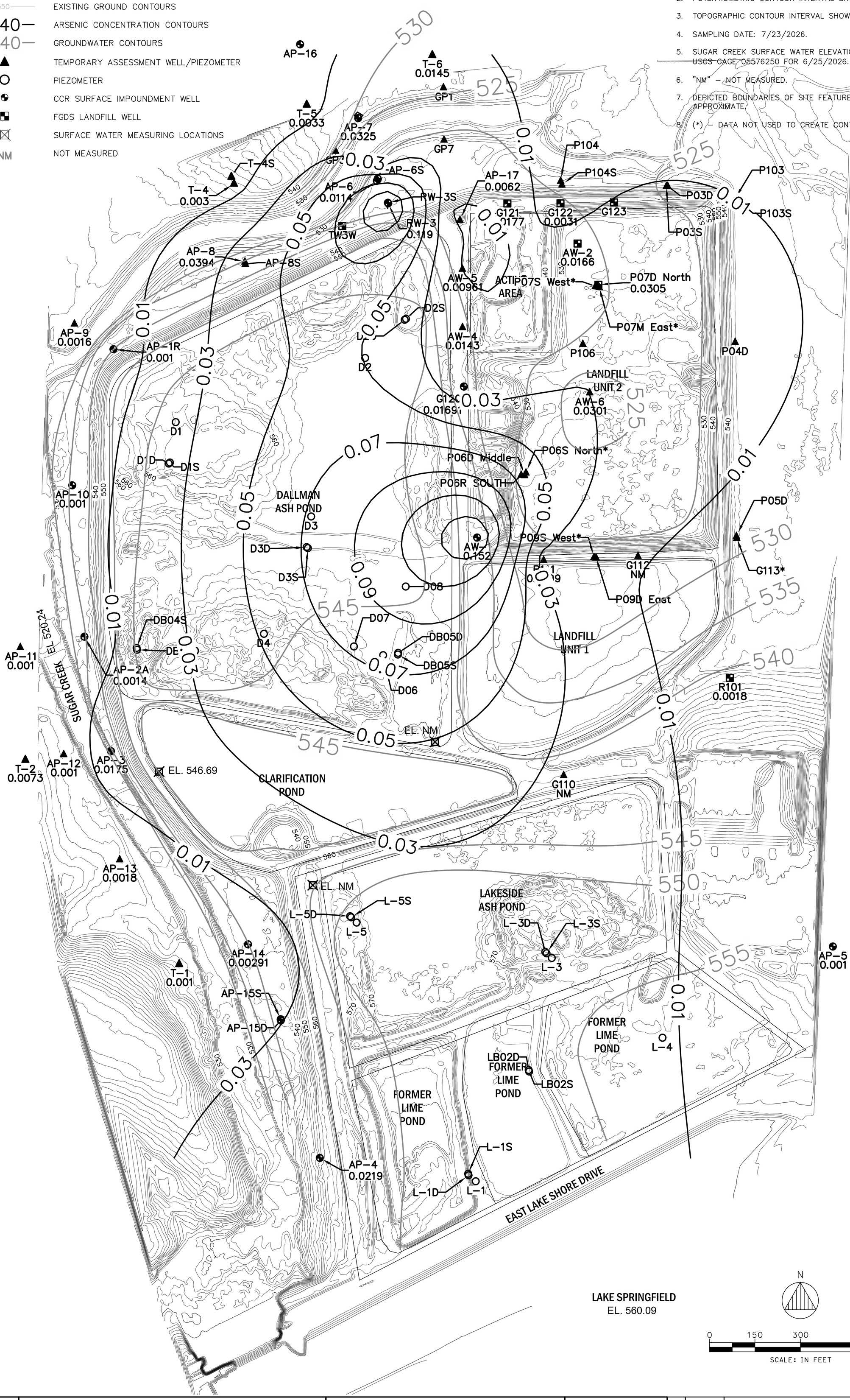


FIG. 9

ARSENIC CONCENTRATION MAP OVERLAID ON POTENTIOMETRIC SURFACES

PREPARED FOR

CITY WATER, LIGHT, AND POWER

SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

SHEET NUMBER:

PROJECT ID: 4926.1207.00

DATE: AUGUST 2026

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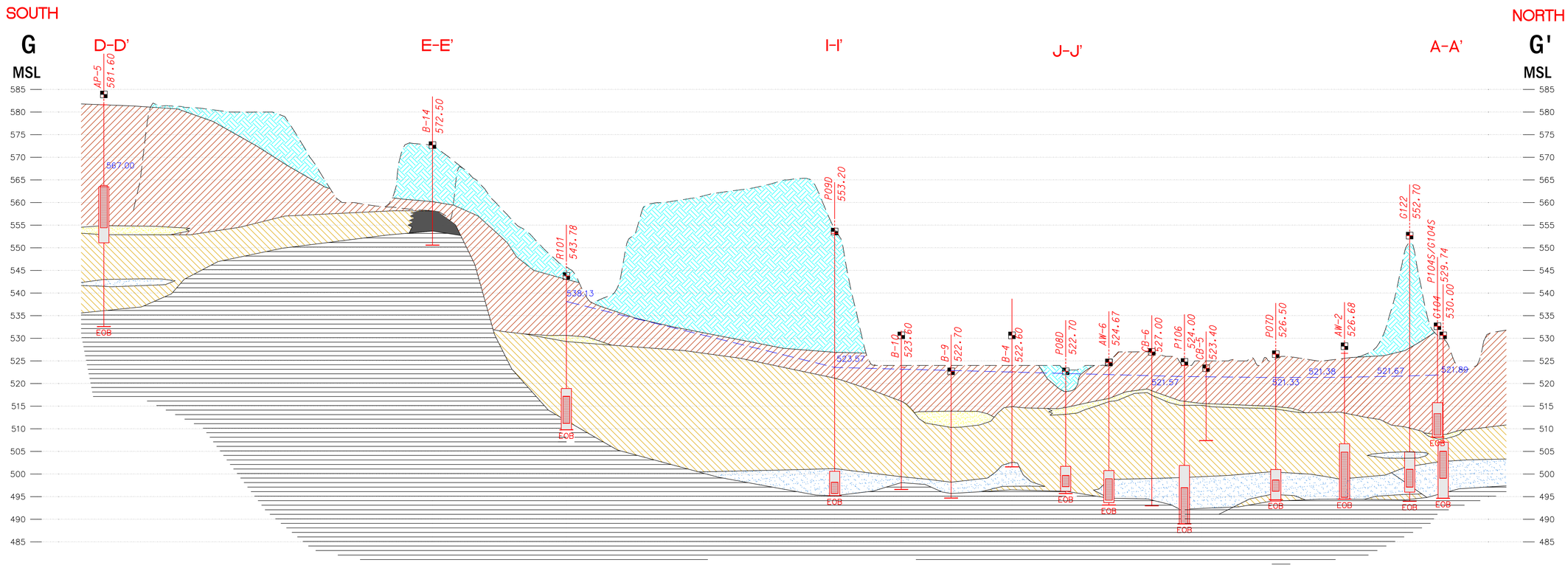
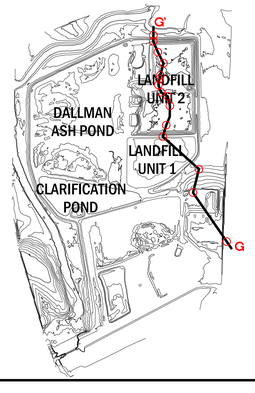
**FIGURE 10:**
CROSS-SECTION G-G’




## NOTES

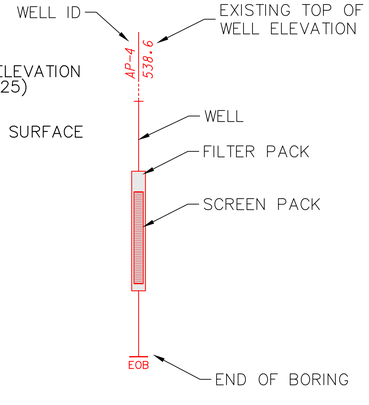
1. DEPTH AND THICKNESS OF SUBSURFACE STRATA WERE GENERALIZED FROM AND INTERPOLATED BETWEEN BORINGS. INFORMATION ON ACTUAL SUBSURFACE CONDITIONS EXISTS ONLY AT THE LOCATION OF THE BORING. SEE BORING LOGS FOR DETAILED DESCRIPTION.
2. SURFACE GENERATED FROM LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: MAY 16, 2023).
3. WELL/BORING SYMBOL PLACED AT SURFACE ELEVATION AT THE TIME THE BORING WAS COMPLETED.

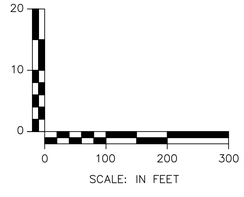
## LEGEND

- FILL
- UPPER COHESIVE DEPOSIT
- SHALLOW SAND
- LOWER COHESIVE DEPOSIT
- BASAL SAND
- SHALE
- COAL
- MONITORING WELL LOCATION

525.00 GROUNDWATER ELEVATION (AUGUST 21, 2025)

BASAL SAND POTENTIOMETRIC SURFACE

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CROSS-SECTION G-G'

PLANS PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: SEPTEMBER 2026

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FIG. 10

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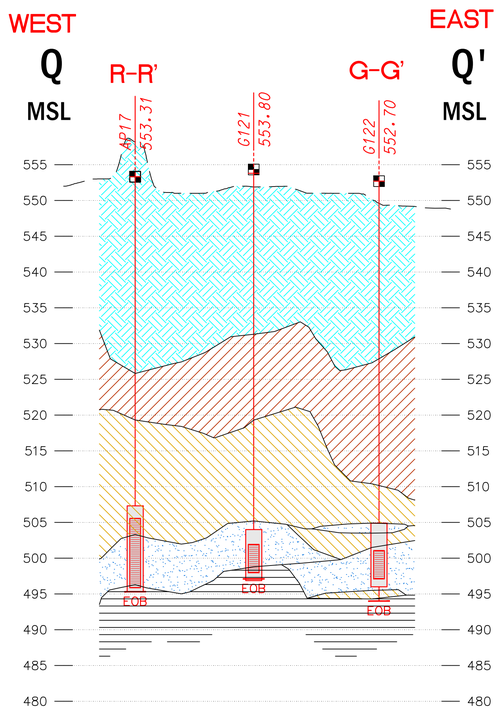
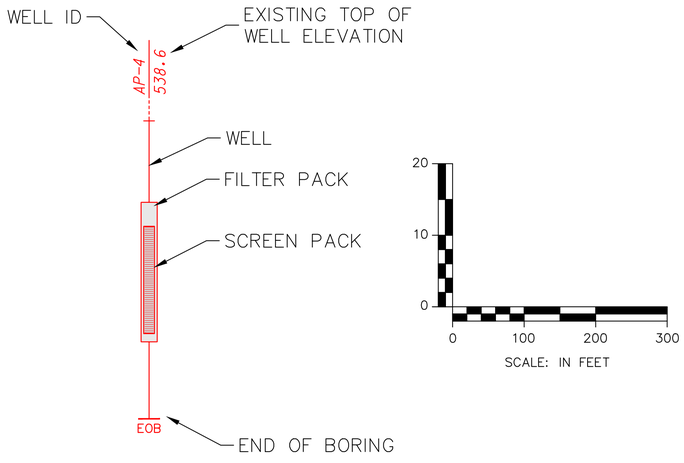
Tab: GG Last Saved: September 2, 2026, by Ben Karpus Plotted: Tuesday, September 8, 2026 9:16:34 AM
J:\S\Springfield CWLP\CWLP Ash Pond\DWG\2026\Cross Section\CWLP Cross Sections.dwg

**FIGURE 11:**
CROSS-SECTION R-R’




## LEGEND

- FILL
- UPPER COHESIVE DEPOSIT
- SHALLOW SAND
- LOWER COHESIVE DEPOSIT
- BASAL SAND
- SHALE
- MONITORING WELL LOCATION
- 525.00 GROUNDWATER ELEVATION (AUGUST 21, 2025)
- BASAL SAND POTENTIOMETRIC SURFACE



## NOTES

1. DEPTH AND THICKNESS OF SUBSURFACE STRATA WERE GENERALIZED FROM AND INTERPOLATED BETWEEN BORINGS. INFORMATION ON ACTUAL SUBSURFACE CONDITIONS EXISTS ONLY AT THE LOCATION OF THE BORING. SEE BORING LOGS FOR DETAILED DESCRIPTION.
2. SURFACE GENERATED FROM LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: MAY 16, 2023).
3. WELL/BORING SYMBOL PLACED AT SURFACE ELEVATION AT THE TIME THE BORING WAS COMPLETED.

| NO. | DATE | REVISION DESCRIPTION | BY |
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| | | | |

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DESIGNED BY: MTH | DRAWN BY: BCK | APPROVED BY: MTH

CROSS-SECTION Q-Q'

PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: SEPTEMBER 2026

PROJECT ID: 4926.1207.00

SHEET NUMBER:

FIG. 12

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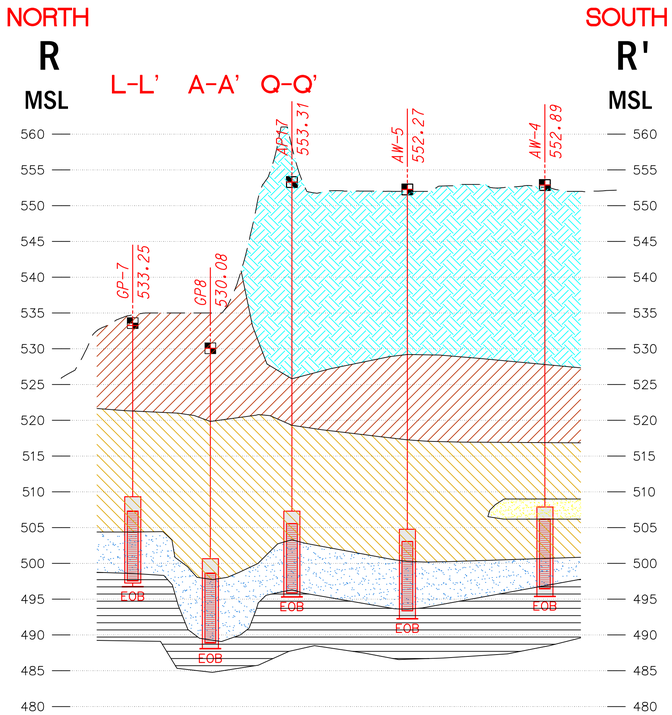
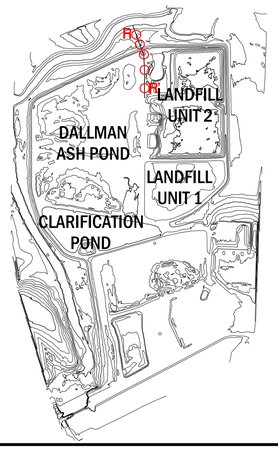
Tab: QQ Last Saved: September 2, 2026, by Ben Karpus Plotted: Tuesday, September 8, 2026 9:18:03 AM
J:\S\Springfield CWLP\CWLP Ash Pond\DWG\2026\Cross Section\CWLP Cross Sections.dwg

**FIGURE 12:**
CROSS-SECTION Q-Q’



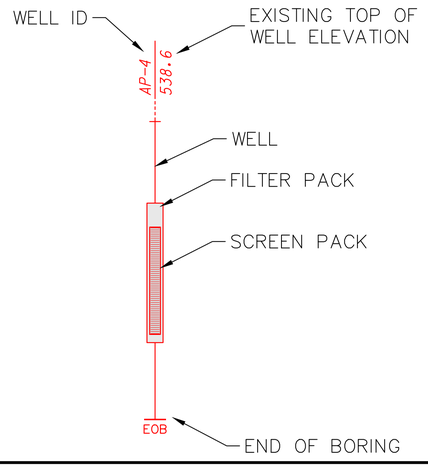



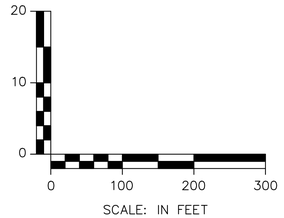

## NOTES

1. DEPTH AND THICKNESS OF SUBSURFACE STRATA WERE GENERALIZED FROM AND INTERPOLATED BETWEEN BORINGS. INFORMATION ON ACTUAL SUBSURFACE CONDITIONS EXISTS ONLY AT THE LOCATION OF THE BORING. SEE BORING LOGS FOR DETAILED DESCRIPTION.
2. SURFACE GENERATED FROM LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: MAY 16, 2023).
3. WELL/BORING SYMBOL PLACED AT SURFACE ELEVATION AT THE TIME THE BORING WAS COMPLETED.

## LEGEND

- FILL
- UPPER COHESIVE DEPOSIT
- SHALLOW SAND
- LOWER COHESIVE DEPOSIT
- BASAL SAND
- SHALE
- MONITORING WELL LOCATION
- 525.00 GROUNDWATER ELEVATION (AUGUST 21, 2025)
- BASAL SAND POTENTIOMETRIC SURFACE

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| | | | |

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DESIGNED BY: MTH | DRAWN BY: BCK | APPROVED BY: MTH

CROSS-SECTION R-R'

PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: SEPTEMBER 2026

PROJECT ID: 4926.1207.00

SHEET NUMBER:

FIG. 11

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Tab: RR Last Saved: September 2, 2026, by Ben Korpus Plotted: Tuesday, September 8, 2026 9:17:07 AM
J:\S\Springfield CWLP\CWLP Ash Pond\DWG\2026\Cross Section\CWLP Cross Sections.dwg

# APPENDIX A:
BORING LOGS

# RAPPS

ENGINEERING and APPLIED SCIENCE

# BORING LOG

821 SOUTH DURKIN – SPRINGFIELD IL 62704 – (217)787-2118

Site Name: FGDS Development Landfill — Boring No: AW-1

Drilling Firm: Reynolds Drilling Corp. — Drilling Method: HSA — Surface Elev: 552.85

Logged By: KJM — Checked By: KJM — Date Started: 12/29/08 — Completed: 12/30/08

| DEPTH | Material Description<br>Classification System | Sampling<br>Tube No. | Type | % Rec. | Tests<br>OVM (ppm) | Qu t/sf PEN | Moist | Comments | Well | DEPTH |
|---|---|---|---|---|---|---|---|---|---|---|
| 30 | Trace fine sand; Mottled | 4 | 5' CONTINUOUS SAMPLER | 100 | | | | Wet seam @ 32.2'<br>Wet seam @ 33.3' | | 30 |
| 35 | Softer | 5 | | 100 | | | | | | 35 |
| | Gray fine to coarse sand; Moist to wet; Clayey and silty zones; Trace gravel | 6 | | 90 | | | | | | |
| 40 | | | | | | | | | | 40 |
| 45 | | 7 | | 80 | | | | | | 45 |
| 50 | Pebbles | | | | | | | | | 50 |
| | Dark gray shale; Weathered/broken | 8 | | 25 | | | | Increased resistance | | |
| 55 | End of boring @ 54.34' | | | | | | | Refusal | | 55 |
| 60 | | | | | | | | | | 60 |

Water Level_____ after_____ hrs.

# RAPPS

ENGINEERING and APPLIED SCIENCE

# BORING LOG

821 SOUTH DURKIN – SPRINGFIELD IL 62704 – (217)787-2118

Site Name: FGDS Development Landfill — Boring No: AW-2

Drilling Firm: Reynolds Drilling Corp. — Drilling Method: HSA — Surface Elev: 526.68

Logged By: KJM — Checked By: KJM — Date Started: 1/2/09 — Completed: 1/2/09

| DEPTH | Material Description<br>Classification System | Sampling<br>Tube No. | Type | % Rec. | Tests<br>OVM (ppm) | Qu t/sf PEN | Moist | Comments | Well | DEPTH |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | Dark brown silty clay; Moist; Firm | 1 | 5' CONTINUOUS SAMPLER | 100 | | | | | | 0 |
| 5 | Sandy | 2 | | 100 | | | | Water on bit | | 5 |
| 10 | Lt. brown to gray mottled clayey silt; Moist; Firm; Trace sand; Fe oxidation stains | 3 | | 100 | | | | | | 10 |
| 15 | Dark gray silt; Moist; Firm<br>Softer; Trace sand | 4 | | 100 | | | | | | 15 |
| 20 | Sandy | 5 | | 100 | | | | Wet seam @ 19'<br>Wet seam @ 20.7' | | 20 |
| 25 | | 6 | | 100 | | | | | | 25 |
| 30 | Gray fine to medium sand | | | | | | | | | 30 |

Water Level_____ after_____ hrs.

# RAPPS

ENGINEERING and APPLIED SCIENCE

# BORING LOG

821 SOUTH DURKIN – SPRINGFIELD IL 62704 – (217)787-2118

Site Name: FGDS Development Landfill — Boring No: AW-2

Drilling Firm: Reynolds Drilling Corp. — Drilling Method: HSA — Surface Elev: 526.68

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| DEPTH | Material Description<br>Classification System | Sampling<br>Tube No. | Type | % Rec. | Tests<br>OVM (ppm) | Qu t/sf PEN | Moist | Comments | Well | DEPTH |
|---|---|---|---|---|---|---|---|---|---|---|
| 30 | Gravelly @ base<br>End of Boring @ 32.22' | 7 | 5' CONTINUOUS SAMPLER | 100 | | | | Refusal<br>Broken shale in bit | | 30 |
| 35 | | | | | | | | | | 35 |
| 40 | | | | | | | | | | 40 |
| 45 | | | | | | | | | | 45 |
| 50 | | | | | | | | | | 50 |
| 55 | | | | | | | | | | 55 |
| 60 | | | | | | | | | | 60 |

Water Level_____ after_____ hrs.

**Andrews Engineering, Inc.**
3300 Ginger Creek Drive
Springfield, IL 62711

# FIELD BORING LOG

**Site Information:**
Name: CWLP Ash Pond
Location: Springfield, Illinois
County: Sangamon
Site No.:
AEI No.:

**Location:**
Coord. System: Site Coordinates
Northing: 5613.3
Easting: 1737.4

Weather: rain, 55 deg; sunny, 73 deg

**Boring Information:**
Boring No: TW3N
Well No: RW-3
Surf Elev.: 536.8

**Depth Information:**
Total: 41.6'
Auger: 41.6'
Core: -

**Drilling Contractor:**
Contractor Name: Bulldog Drilling
City: Dupo
Equipment: 4.25" HSA, CME 55, 5' Continuous Macrocore

**Personnel:**
Geologist: D. Ghosh
Driller: J. Gates
Helper(s): C. Clines

**Dates:**
Start: 06/26/2017
Finish: 06/27/2017

- Continuous Barrel (CB) | - Split Spoon (SS) | - Shelby Tube | - Core | - Blind Drill

| Depth (ft) | Run No. | Sample Type | Sample Recov. | Blow Count | qu/su (tsf) | Lithology | Description/Comments | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Ground Surface | 536.8 |
| 0 | 1 | | 3.5/5 | | | | **SILTY CLAY**<br>dark brown, pervasive iron oxidation staining, dry (moist below 3'), firm to hard, moderate cementation, with root structure | 535.0 |
| | | | | | | | **SILTY CLAY**<br>light tan, moist, moderate cementation, blocky | |
| 5 | 2 | | 5.0/5 | | | | **SILT**<br>brown to gray, mottling, iron oxidation staining, moist, firm, moderate cementation | 530.0 |
| 10 | 3 | | 4.5/5 | | | | **SAND**<br>sand lens, with silt, wet, trace clay | 525.0 |
| | | | | | | | **SANDY SILT**<br>brown to gray, laminated, some wood fragments, trace coarse sand, coal and roots | |
| 15 | 4 | | 5.0/5 | | | | **SILTY CLAY**<br>gray, wet to moist, very soft, strong cementation, laminated, some wood fragments, trace fine sand | 520.0 |
| 20 | | | | | | | **SILTY CLAY**<br>dark gray, wet, very soft, strong cementation, homogeneous | |

Notes:

**Andrews Engineering, Inc.**
3300 Ginger Creek Drive
Springfield, IL 62711

# FIELD BORING LOG

**Boring Information: RW-3** Boring No: TW3N Well No: RW-3

- Continuous Barrel (CB) | - Split Spoon (SS) | - Shelby Tube | - Core | - Blind Drill

| Depth (ft) | Run No. | Sample Type | Sample Recov. | Blow Count | qu/su (tsf) | Lithology | Description/Comments | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|
| | 5 | | 3.0/5 | | | | cont: dark gray, wet, very soft, strong cementation, homogeneous | 515 |
| 26 | 6 | | 4.0/5 | | | | **SILTY CLAY**<br>dark gray, till, moist, firm to hard, trace coarse and fine gravel, trace coal | 510 |
| 31 | 7 | | 4.5/5 | | | | | 505 |
| 36 | 8 | | 5.0/5 | | | | **SANDY SILT**<br>**SILTY SAND**<br>gray, fine to medium graineed, wet, trace angular gravel | 500 |
| 41 | 9 | | | | | | **SHALE**<br>weathered | 495 |
| | | | | | | | End of Boring = 41.6 Feet | |

Notes:

# Andrews Environmental Engineering, Inc.

3535 Mayflower Boulevard, Springfield, IL 62707 (217) 787-2334

## Field Boring Log

**Site Information:**
Name: City Water, Light, and Power
Location: Springfield, IL
County: Sangamon
Site No.: 1678250020
AEEI No.: 93-118

**Location:**
Coord. System: Site Coordinates
Northing: 3728.6
Easting: 2315.7

**Boring Information:**
Boring No.: G110
Well No.: G110
Surf. Elev.: 554.5
Depth Information:
Total: 59.5
Auger: 59.5
Rotary: N/A
Dates:
Start: 7/12/93
Finish: 7/12/93

**Drilling Contractor:**
Name: AE Exploration Corp.
City: Springfield, IL
Equipment: CME 55

**Personel:**
Geologist: B. Hunsberger
Driller: M. Moore
Helper (s): R. Smith

Sample Type: ▮ - Continuous Barrel ⊠ - Split Spoon ◪ - Shelby Tube ▮▮ - Core ▭ - Blind Drill

| Depth (ft.) | Run No. | Sample Type | Sample No. | Sample Recov. | Blow Count | $q_u$ /[$q_s$] (in tsf) | % Moisture | Borehole Detail | Lithology | Description/*Comments* | USC | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Gravel backfill-*access road.* | | 554.5 |
| | 1 | | 1A | 3.2' | | 3.5 | | Concrete Plug | | Dark gray silty CLAY, little sand and gravel, with rootlets. | | |
| 5 | | | | | | 2.75 | | | | | | 549.5 |
| | 2 | | 2A | | | 2.8 | | | | | | |
| | | | 2B | | | 2.5 | | | | Dark gray-black clayey SILT, some fine sand, rootlets. | | |
| | | | 2C | 5.0' | | 0.8 | | | | Dark gray-black silty CLAY, soft, with rootlets, some fine sand. | | |
| | 3 | | | | | | | | | | | |
| 10 | | | | 1.4' | | | | | | | | 544.5 |
| | 4 | | 4A | | | 0.7 | | Cement/Bentonite Grout | | | | |
| | | | | | | 0.5 | | | | | | |
| | | | | 2.8' | | 0.65 | | | | | | |
| | | | 5A | | | 3.25 | | | | Dark gray, very moist silty CLAY-clayey SILT, numerous plant and wood fragments *(appears to be original grade).* | | |
| 15 | | | | | | | | | | | | 539.5 |
| | 5 | | | | | 2.75 | | | | | | |
| | | | | | | 2.25 | | | | | | |
| | | | 5B | | | 2.0 | | | | | | |
| | | | | 4.8' | | 2.8 | | | | | | |
| | | | | | | 1.8 | | | | | | |
| | 6 | | | | | 2.2 | | | | | | |
| 20 | | | | | | 1.8 | | | | | | 534.5 |

NOTE: ▽ = groundwater encountered while drilling.

# Andrews Environmental Engineering, Inc.

3535 Mayflower Boulevard, Springfield, IL 62707 (217) 787-2334

## Field Boring Log

**Site Information:**
Name: City Water, Light, and Power
Location: Springfield, IL
County: Sangamon
Site No.: 1678250020
AEEI No.: 93-118

**Location:**
Coord. System: Site Coordinates
Northing: 3728.6
Easting: 2315.7

**Boring Information:**
Boring No.: G110
Well No.: G110
Surf. Elev.: 554.5
Depth Information:
Total: 59.5
Auger: 59.5
Rotary: N/A
Dates:
Start: 7/12/93
Finish: 7/12/93

**Drilling Contractor:**
Name: AE Exploration Corp.
City: Springfield, IL
Equipment: CME 55

**Personel:**
Geologist: B. Hunsberger
Driller: M. Moore
Helper (s): R. Smith

Sample Type: ▯ – Continuous Barrel ⊠ – Split Spoon ⊘ – Shelby Tube ▮ – Core ▭ – Blind Drill

| Depth (ft.) | Run No. | Sample Type | Sample No. | Sample Recov. | Blow Count | $q_u$ / [$q_s$] (in tsf) | % Moisture | Borehole Detail | Lithology | Description/*Comments* | USC | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | 534.5 |
| | 6 | | 6A | | | 1.7 | | | | Dark gray silty CLAY, moist, trace fine sand, little organics. | | |
| | | | 6B | 5.0' | | 1.6 | | | | Gray mottled light gray-brown silty CLAY, little fine sand, some plant roots. | | |
| 25 | 7 | | | 2.0' | | | | | | | | 529.5 |
| | | | 8A | | | 0.7 | | | | | | |
| | 8 | | 8B | | | 2.0<br>1.2 | | | | | | |
| | | | | 3.0' | | 1.3 | | | | | | |
| | | | | | | 2.2 | | | | | | |
| 30 | | | 9A | | | 2.2 | | | | Gray mottled brown silty CLAY, trace fine sand, little organics. | | 524.5 |
| | 9 | | | | | 2.2 | | | | | | |
| | | | | | | 2.75 | | | | | | |
| | | | | | | 2.75 | | | | | | |
| | | | 9B | 5.0' | | 1.75 | | | | Gray clayey SILT. | | |
| | | | | | | 0.75 | | | | | | |
| | | | 10A | | | 0.3 | | | | | | |
| 35 | | | | | | 0.2 | | | | | | 519.5 |
| | 10 | | | | | 0.2 | | | | Gray CLAY, very soft, some organic clay strata present. *(* The clay was too soft for the pocket penetrometer).* | | |
| | | | | | | * | | | | | | |
| | | | | | | * | | | | | | |
| | | | | 5.0' | | * | | | | | | |
| | 11 | | 11A | | | | | | | | | |
| 40 | | | | | | | | | | | | 514.5 |

Cement/Bentonite Grout

Bentonite Seal

NOTE: ▽ = groundwater encountered while drilling.

# Andrews Environmental Engineering, Inc.

3535 Mayflower Boulevard, Springfield, IL 62707 (217) 787-2334

## Field Boring Log

**Site Information:**
Name: City Water, Light, and Power
Location: Springfield, IL
County: Sangamon
Site No.: 1678250020
AEEI No.: 93-118

**Location:**
Coord. System: Site Coordinates
Northing: 3728.6
Easting: 2315.7

**Boring Information:**
Boring No.: G110
Well No.: G110
Surf. Elev.: 554.5
Depth Information:
Total: 59.5
Auger: 59.5
Rotary: N/A
Dates:
Start: 7/12/93
Finish: 7/12/93

**Drilling Contractor:**
Name: AE Exploration Corp.
City: Springfield, IL
Equipment: CME 55

**Personel:**
Geologist: B. Hunsberger
Driller: M. Moore
Helper (s): R. Smith

Sample Type: ▯ – Continuous Barrel ⊠ – Split Spoon ▨ – Shelby Tube ▮ – Core ☐ – Blind Drill

| Depth (ft.) | Run No. | Sample Type | Sample No. | Sample Recov. | Blow Count | $q_u/[q_s]$ (in tsf) | % Moisture | Borehole Detail | Lithology | Description/*Comments* | USC | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | 514.5 |
| | 11 | | 11B | 5.0' | | | | Bentonite Seal | | Gray fine silty SAND, little clay. | | |
| 45 | 12 | | 12A<br>12B | 5.0' | | | | Filter Pack and/or Formation Sand | | Gray, fine clayey SAND, some silt. | | 509.5 |
| 50 | 13 | | 13A | 5.0' | | | | | | | | 504.5 |
| 55 | 14 | | | 0.0' | | | | Bentonite Seal | | Gray shale with muscovite mica. *(Since there was no recovery in Run # 14, the bedrock contact was determined at the depth the down pressure increased from 300 psi to 1500 psi on the auger column.)* | | 499.5 |
| | 15 | ⊠ | 15A<br>15A | 0.7' | 10<br>31 | | | | | | | |
| 60 | | | | | | | | | | *E.O.B.=59.5 feet* | | 494.5 |

NOTE: ▽ = groundwater encountered while drilling.

# Andrews Environmental Engineering, Inc.

3535 Mayflower Boulevard, Springfield, IL 62707 (217) 787-2334

## Field Boring Log

**Site Information:**
Name: City Water, Light, and Power
Location: Springfield, IL
County: Sangamon
Site No.: 1678250020
AEEI No.: 93-118

**Location:**
Coord. System: Site Grid
Northing: 4,445.0
Easting: 2,249.0

**Boring Information:**
Boring No.: G-111
Well No.: G-111
Surf. Elev.: 553.6
Depth Information:
Total: 59.60
Auger: 59.60
Rotary: 0.00
Dates:
Start: 7/20/93
Finish: 7/21/93

**Drilling Contractor:**
Name: AE Exploration Corp.
City: Springfield, IL
Equipment: CME 45 - 4¼" HSA /w 5 foot continuous barrel sampler.

**Personel:**
Geologist: R. Hasenyager
Driller: A. Weisenhofer
Helper (s): K. Doetzel

Sample Type: Continuous Barrel - Split Spoon - Shelby Tube - Core - Blind Drill

| Depth (ft.) | Run No. | Sample Type | Sample No. | Sample Recov. | Blow Count | $q_u$ / [$q_s$] (in tsf) | % Moisture | Borehole Detail | Lithology | Description/*Comments* | USC | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Very dark brown, slightly moist, clayey SILT with roots, other organic matter, and trace sand. | | 553.6 |
| | 1 | | | | | | | Concrete Plug | | Brown, soft, slightly moist, silty CLAY, with trace sand. | | |
| 5 | | | | 0.0 | | | | | | | | 548.6 |
| | 2 | | | | | 3.25 | | | | | | |
| | | | | | | 4.50 | | | | | | |
| 10 | | | | 5.0 | | | | | | | | 543.6 |
| | 3 | | | | | (1.50) | | | | Dark brown, moist, plastic, silty CLAY, with trace sand. | | |
| | | | | | | 1.75 | | | | | | |
| | | | | | | 0.75 | | | | Brown, moist, plastic, silty CLAY, with trace sand. | | |
| 15 | | | | 5.0 | | | | | | | | 538.6 |
| | 4 | | | | | | | | | Brown mottled gray, moist, plastic, silty CLAY, With trace sand and organic matter. | | |
| | | | | 1.3 | | | | | | | | |
| | 5 | | | | | 1.75 | | | | Black dry, friable, clayey SILT, with no sand or pebbles. | | |
| | | | | | | (1.10) | | | | | | |
| 20 | | | | 3.0 | | 1.00 | | Cement/Bentonite Grout | | | | 533.6 |

NOTE: ▼ = water level 13 hours after completion.
Torvane values are actual dial readings.

# Andrews Environmental Engineering, Inc.

3535 Mayflower Boulevard, Springfield, IL 62707 (217) 787-2334

## Field Boring Log

**Site Information:**
Name: City Water, Light, and Power
Location: Springfield, IL
County: Sangamon
Site No.: 1678250020
AEEI No.: 93-118

**Location:**
Coord. System: Site Grid
Northing: 4,445.0
Easting: 2,249.0

**Boring Information:**
Boring No.: G-111
Well No.: G-111
Surf. Elev.: 553.6
Depth Information:
Total: 59.60
Auger: 59.60
Rotary: 0.00
Dates:
Start: 7/20/93
Finish: 7/21/93

**Drilling Contractor:**
Name: AE Exploration Corp.
City: Springfield, IL
Equipment: CME 45 - 4¼" HSA /w 5 foot continuous barrel sampler.

**Personel:**
Geologist: R. Hasenyager
Driller: A. Weisenhofer
Helper (s): K. Doetzel

Sample Type: ▮ - Continuous Barrel ☒ - Split Spoon ⁄ - Shelby Tube ▮▮ - Core □ - Blind Drill

| Depth (ft.) | Run No. | Sample Type | Sample No. | Sample Recov. | Blow Count | $q_u/[q_s]$ (in tsf) | % Moisture | Borehole Detail | Lithology | Description/*Comments* | USC | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Cement/Bentonite Grout | | | | 533.6 |
| | 6 | | | 2.0 | | [3.40] | | | | Brown mottled gray, moist, plastic, silty CLAY,with trace sand and organics. *Soil sample contained 1,170 ppm sulfate.* | | |
| | 7 | | | | | | | | | | | |
| 25 | | | | 3.0 | | 2.10 | | | | | | 528.6 |
| | 8 | | | | | | | | | | | |
| 30 | | | | 5.0 | | | | | | ▽-- *Free water during drilling* Brown, very moist, clayey SILT with some sand (fine-grained). *Very thin SAND (fine-grained) seam at 30.1'* | | 523.6 |
| | 9 | | | | | | | | | Brown, mottled gray, very moist, clayey SILT, with some sand (fine- grained) and trace organics. | | |
| 35 | | | | 5.0 | | | | | | | | 518.6 |
| | 10 | | | 2.0 | | [0.85] | | | | Gray, very moist, sandy SILT. | | |
| | 11 | | | | | 0.50 | | | | Reddish brown, moist clayey SILT, with trace organics. | | |
| | | | | | | 0.75 | | | | Gray, very moist, clayey SILT, with sand (very fine- to fine- grained). *Sandier zones at 38.2'-38.3' and 38.5'-38.8'* | | |
| 40 | | | | 3.0 | | | | | | | | 513.6 |

NOTE: ▽= water level 13 hours after completion.
Torvane values are actual dial readings.

# Andrews Environmental Engineering, Inc.

3535 Mayflower Boulevard, Springfield, IL 62707 (217) 787-2334

## Field Boring Log

**Site Information:**
Name: City Water, Light, and Power
Location: Springfield, IL
County: Sangamon
Site No.: 1678250020
AEEI No.: 93-118

**Location:**
Coord. System: Site Grid
Northing: 4,445.0
Easting: 2,249.0

**Boring Information:**
Boring No.: G-111
Well No.: G-111
Surf. Elev.: 553.6
Depth Information:
Total: 59.60
Auger: 59.60
Rotary: 0.00
Dates:
Start: 7/20/93
Finish: 7/21/93

**Drilling Contractor:**
Name: AE Exploration Corp.
City: Springfield, IL
Equipment: CME 45 - 4¼" HSA /w 5 foot continuous barrel sampler.

**Personel:**
Geologist: R. Hasenyager
Driller: A. Weisenhofer
Helper (s): K. Doetzel

Sample Type: - Continuous Barrel - Split Spoon - Shelby Tube - Core - Blind Drill

| Depth (ft.) | Run No. | Sample Type | Sample No. | Sample Recov. | Blow Count | $q_u/[q_s]$ (in tsf) | % Moisture | Borehole Detail | Lithology | Description/*Comments* | USC | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | *Roots at 39.3'* | | 513.6 |
| | 12 | | | 2.0 | | 0.25 | | Cement/Bentonite Grout | | Gray, saturated, clayey SILT, with some sand (very fine-grained). | | |
| | 13 | | | | | [0.35] 0.25 | | | | | | |
| 45 | | | | 5.0 | | | | | | | | 508.6 |
| | 14 | | | | | | | | | Gray, saturated, silty SAND (very fine- to fine-grained). | | |
| | | | | | | | | | | Gray, saturated, sandy SILT. | | |
| | | | | | | | | | | Gray, saturated, silty SAND (very fine- to fine-grained). | | |
| 50 | | | | 5.0 | | | | Bentonite Seal | | | | 503.6 |
| | | | | | | | | | | Gray, saturated, SAND (very fine- to fine-grained), with some silt. | | |
| | | | | | | | | | | Gray, saturated, silty SAND (very fine- to fine-grained). | | |
| | 15 | | | | | | | | | Gray, very moist, interbedded clayey SILT, with some sand (very-fine grained) and silty SAND (very fine- to fine-grained). | | |
| 55 | | | | 4.0 | 32 | | | Filter Pack | | Gray, saturated, silty SAND (fine- to coarse-grained) and PEBBLE (very fine- to medium-grained). | | 498.6 |
| | 16 | | | | 41 | | | | | | | |
| | | | | | 27 | | | | | | | |
| | | | | 2.0 | 17 | | | | | | | |
| | 17 | | | | 6 | | | | | *Shale and sandstone fragments more abundant in lower 1.0'* | | |
| | | | | | 14 | | | | | | | |
| | | | | 1.7 | 12 | | | | | | | |
| | 18 | | | | 60+ | | | | | Gray, slightly moist, hard, massive, SHALE. *Bedrock* | | |
| 60 | | | | | | | | | | *E.O.B. = 59.6 feet* | | 493.6 |

NOTE: ▼ = water level 13 hours after completion.
Torvane values are actual dial readings.

SKS ENGINEERS, INC.
2900 N. MARTIN LUTHER KING JR. DRIVE
DECATUR, ILLINOIS 62526

# SOIL BORING LOG



Date 05/26/2009

SKS Project No. 911607

ROUTE _____ DESCRIPTION CWLP / Landfill Well Replacement LOGGED BY T. Mathias/EK/AL

SECTION N/A LOCATION Springfield, IL SEC. ____ TWP. _____ RNG. _____ PM

COUNTY Sangamon DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety Hammer

STRUCT. NO. _____
Station _____

BORING NO. R111
Station _____
Offset _____
Ground Surface Elev. _____ ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After _____ Hrs _____ ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| GRASS | | | |
| BLIND DRILLED TO 44.5 FT. | | | |
| -5 | | | |
| -10 | | | |
| -15 | | | |
| -20 | | | |
| -25 | | | |
| -30 | | | |
| -35 | | | |
| -40 | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

SKS ENGINEERS, INC.
2900 N. MARTIN LUTHER KING JR. DRIVE
DECATUR, ILLINOIS 62526



# SOIL BORING LOG

Date 05/26/2009

SKS Project No. 911607

ROUTE _____ DESCRIPTION CWLP / Landfill Well Replacement LOGGED BY T. Mathias/EK/AL

SECTION N/A LOCATION Springfield, IL SEC. ____ TWP. _____ RNG. _____ PM

COUNTY Sangamon DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety Hammer

STRUCT. NO. _____
Station _____

BORING NO. R111
Station _____
Offset _____
Ground Surface Elev. _____ ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After _____ Hrs _____ ft

| | | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) | | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| BLIND DRILLED TO 44.5 FT. | | | | | | | | | | |
| | | | | | | 2" Groundwater Monitor Well Installed | | | | |
| | 44.5 | | | | | | | | | |
| Gray, Saturated Sandy Silt | | | | | | | | | | |
| | 46.5 | | | | | | | | | |
| Gray, Saturated, Silty Fine Sand | | | | | | | | | | |
| | 49.5 | | | | | | | | | |
| Gray, Saturated, Silty Fine Sand | | | | | | | | | | |
| | 54.5 | | | | | | | | | |
| Gray, Saturated, Silty Fine Sand, with Gravel | | | | | | | | | | |
| | 59.5 | | | | | | | | | |
| END OF BORING @ 59.5 FT. | | | | | | | | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

# Andrews Environmental Engineering, Inc.

3535 Mayflower Boulevard, Springfield, IL 62707 (217) 787-2334

## Field Boring Log

**Site Information:**
Name: City Water, Light, and Power
Location: Springfield, IL
County: Sangamon
Site No.: 1678250020
AEEI No.: 93-118

**Location:**
Coord. System: Site Grid
Northing: 4,450.9
Easting: 2,560.6

**Boring Information:**
Boring No.: G-112
Well No.: G-112
Surf. Elev.: 552.7
Depth Information:
Total: 57.80
Auger: 57.80
Rotary: 0.00
Dates:
Start: 7/21/93
Finish: 7/23/93

**Drilling Contractor:**
Name: AE Exploration Corp.
City: Springfield, IL
Equipment: CME 45 - 4¼" HSA /w 5 foot continuous barrel sampler.

**Personel:**
Geologist: R. Hasenyager
Driller: A. Weisenhofer
Helper (s): K. Doetzel

Sample Type: ▮ - Continuous Barrel ⊠ - Split Spoon ▨ - Shelby Tube ▮ - Core □ - Blind Drill

| Depth (ft.) | Run No. | Sample Type | Sample No. | Sample Recov. | Blow Count | $q_u$ / [$q_s$] (in tsf) | % Moisture | Borehole Detail | Lithology | Description/*Comments* | USC | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | 552.7 |
| | 1 | | | 0.0 | | | | Concrete Plug | | Very dark brown, slightly moist, clayey SILT with roots, other organic matter, and trace sand. | | |
| | | | | | | | | | | Brown, soft, slightly moist, silty CLAY, with trace sand. | | |
| 5 | | | | | | | | | | | | 547.7 |
| | 2 | | | 1.3 | | | | | | | | |
| 10 | | | | | | | | | | | | 542.7 |
| | 3 | | | 5.0 | | 1.25 | | | | Dark brown, slightly moist, plastic, silty CLAY, with trace sand. | | |
| | | | | | | 1.00 | | | | Brown, moist, plastic, silty CLAY, with trace sand. | | |
| 15 | | | | | | | | | | | | 537.7 |
| | 4 | | | 1.7 | | 1.75 | | | | Brown mottled gray, moist, plastic, silty CLAY, with trace sand and organic matter. | | |
| | 5 | | | 3.0 | | 1.50 | | | | | | |
| | | | | | | 4.25 | | Cement/Bentonite Grout | | Black, moist, friable, clayey SILT, with no sand or pebbles. | | |
| 20 | | | | | | | | | | | | 532.7 |

NOTE: ▼ = water level 14 hours after completion.
Torvane values are actual dial readings.

# Andrews Environmental Engineering, Inc.

3535 Mayflower Boulevard, Springfield, IL 62707 (217) 787-2334

## Field Boring Log

**Site Information:**
Name: City Water, Light, and Power
Location: Springfield, IL
County: Sangamon
Site No.: 1678250020
AEEI No.: 93-118

**Location:**
Coord. System: Site Grid
Northing: 4,450.9
Easting: 2,560.6

**Boring Information:**
Boring No.: G-112
Well No.: G-112
Surf. Elev.: 552.7
Depth Information:
Total: 57.80
Auger: 57.80
Rotary: 0.00
Dates:
Start: 7/21/93
Finish: 7/23/93

**Drilling Contractor:**
Name: AE Exploration Corp.
City: Springfield, IL
Equipment: CME 45 - 4¼" HSA /w 5 foot continuous barrel sampler.

**Personel:**
Geologist: R. Hasenyager
Driller: A. Weisenhofer
Helper (s): K. Doetzel

Sample Type: ▮ - Continuous Barrel ⊠ - Split Spoon ▨ - Shelby Tube ▮▮ - Core □ - Blind Drill

| Depth (ft.) | Run No. | Sample Type | Sample No. | Sample Recov. | Blow Count | $q_u/[q_s]$ (in tsf) | % Moisture | Borehole Detail | Lithology | Description/*Comments* | USC | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | 532.7 |
| | 6 | | | 5.0 | | 4.00<br>2.75<br>[1.00]<br>1.50 | | Cement/Bentonite Grout | | Brown mottled gray, slightly moist, plastic, silty CLAY, with trace sand and organics. | | |
| 25 | 7 | | | 2.0 | | | | | | | | 527.7 |
| | 8 | | | 3.0 | | 0.50<br>0.50 | | | | Brown mottled gray, slightly moist, plastic, silty CLAY, with trace sand and organic matter.<br>▽-- *Free water during drilling* | | |
| 30 | 9 | | | 5.0 | | 0.75<br>[0.38]<br>[0.30]<br>0.50<br>0.75 | | | | | | 522.7 |
| 35 | 10 | | | 5.0 | | [0.60]<br>1.25<br>1.25<br>[0.47] | | | | Dark gray, moist, clayey SILT, with trace sand.<br>Reddish brown, moist, clayey SILT, with trace organic matter.<br>Greenish gray, very moist, silty CLAY, with trace sand. *High-angle, dry, parting surfaces at 38.7', 39.1', and 39.5'* | | 517.7 |
| 40 | | | | | | | | | | | | 512.7 |

NOTE: ▽= water level 14 hours after completion.
Torvane values are actual dial readings.

# Andrews Environmental Engineering, Inc.

3535 Mayflower Boulevard, Springfield, IL 62707 (217) 787-2334

## Field Boring Log

**Site Information:**
Name: City Water, Light, and Power
Location: Springfield, IL
County: Sangamon
Site No.: 1678250020
AEEI No.: 93-118

**Location:**
Coord. System: Site Grid
Northing: 4,450.9
Easting: 2,560.6

**Boring Information:**
Boring No.: G-112
Well No.: G-112
Surf. Elev.: 552.7
Depth Information:
Total: 57.80
Auger: 57.80
Rotary: 0.00
Dates:
Start: 7/21/93
Finish: 7/23/93

**Drilling Contractor:**
Name: AE Exploration Corp.
City: Springfield, IL
Equipment: CME 45 - 4¼" HSA /w 5 foot continuous barrel sampler.

**Personel:**
Geologist: R. Hasenyager
Driller: A. Weisenhofer
Helper (s): K. Doetzel

Sample Type: ▮ - Continuous Barrel ☒ - Split Spoon ▨ - Shelby Tube ▮ - Core ☐ - Blind Drill

| Depth (ft.) | Run No. | Sample Type | Sample No. | Recov. | Blow Count | $q_u/[q_s]$ (in tsf) | % Moisture |
|---|---|---|---|---|---|---|---|
| | 11 | | | 3.0 | | 0.50 | |
| | | | | | | 0.25 | |
| | | | | | | [0.10] | |
| | 12 | | | 2.0 | | | |
| 45 | | | | | | | |
| | 13 | | | 3.0 | | 0.25 | |
| | | | | | | [0.22] | |
| | | | | | | 0.25 | |
| | 14 | | | 2.0 | | | |
| 50 | | | | | | | |
| | | | | | | [0.35] | |
| | 15 | | | 4.5 | | 0.50 | |
| | | | | | | [0.30] | |
| | | | | | | 0.50 | |
| | | | | | | 0.50 | |
| 55 | | | | | | | |
| | 16 | | | 1.5 | | | |
| | 17 | | | | | | |
| 60 | | | | | | | |

Borehole Detail: Cement/Bentonite Grout; Bentonite Seal; Filter Pack

| Lithology | Description/*Comments* | USC | Elev. (MSL) |
|---|---|---|---|
| | | | 512.7 |
| | *Wood chips and small twigs at 41.4'* | | |
| | Gray, very moist, clayey SILT, with trace sand. *Small (2-3 mm.)* Bivalvia *and* Gastropoda *throughout bed.* | | |
| | Gray, saturated, soft, sandy SILT. | | 507.7 |
| | Gray, saturated, silty SAND (very fine- to fine-grained). | | |
| | Gray, very moist, plastic, sandy SILT. | | |
| | Gray, saturated, silty SAND (very fine- to fine-grained). SAND (fine-grained) seams at 46.5' and 46.8'. | | 502.7 |
| | Gray, very moist, clayey SILT, with organics and trace sand. Thin SAND (fine-grained) seams at 53.7' and 53.9'. *Decreasing organic content with depth. No organics lower 0.5'.* | | |
| | Gray, very moist, sandy SILT. | | 497.7 |
| | Gray, saturated, silty SAND (fine- to coarse-grained) and PEBBLE (very fine- to medium-grained). *Shale and sandstone fragments upper 0.3'* | | |
| | Gray, slightly moist, hard, massive, SHALE. *Bedrock* | | 492.7 |
| | *E.O.B. = 57.8 feet* | | |

NOTE: ▽ = water level 14 hours after completion.
Torvane values are actual dial readings.

**PATRICK ENGINEERING INC.**

BORING NUMBER **P-5S / R113** SHEET **1** OF **1**
CLIENT **City of Springfield CWLP**
PROJECT & NO. **FGDS Landfill - Hydrogeo Invest. - 496B**
LOCATION **N 4,510.7 E 2,887.0**

LOGGED BY **KRR**
GROUND ELEVATION **534.9**

| ELEVATION | DEPTH (FT) | STRATA | SOIL/ROCK DESCRIPTION | SAMPLE TYPE & NO. DEPTH (FT) RECOVERY(IN) | BLOW COUNTS | Water Content PL □ - - - ○ - - - △ LL (10 20 30 40 50) / Unconfined Compressive Strength (TSF) ✳ (1 2 3 4 5) | NOTES & TEST RESULTS |
|---|---|---|---|---|---|---|---|
| 534.9 | 0.0 | | Drilled to 8.0' without sampling. Refer to Boring Log P-5D for soil conditions from 0.0' to 8.0'. | | | | Soil conditions are consistent with soil conditions encountered in P-5D based on soil cuttings. |
| 526.9 | 8.0 | | Dark gray to black organic silty clay, trace fine sand, soft, medium to high plasticity, wet to saturated, fill OL | SS-1 8.0-10.0 10"R | 2 2 2 3 | ✳ | 3T-2: Dry den. = 95.2 pcf k = 7.6 E-08 cm/s |
| | | | | 3T-2 10.0-12.0 16"R | | ✳ | |
| 522.9 | 12.0 | | End of Boring at 12.0' | | | | No water was found during or immediately after drilling. Piezometer was constructed immediately after drilling. Refer to As-Built Diagram P-5S for more details. |

35.2 ○
26.0 ○

DRILLING CONTRACTOR **Patrick Engineering**
DRILLING METHOD **3-1/4" I.D. HSA**
DRILLING EQUIPMENT **CME 55/ATV**
DRILLING STARTED **8/16/92** ENDED **8/16/92**

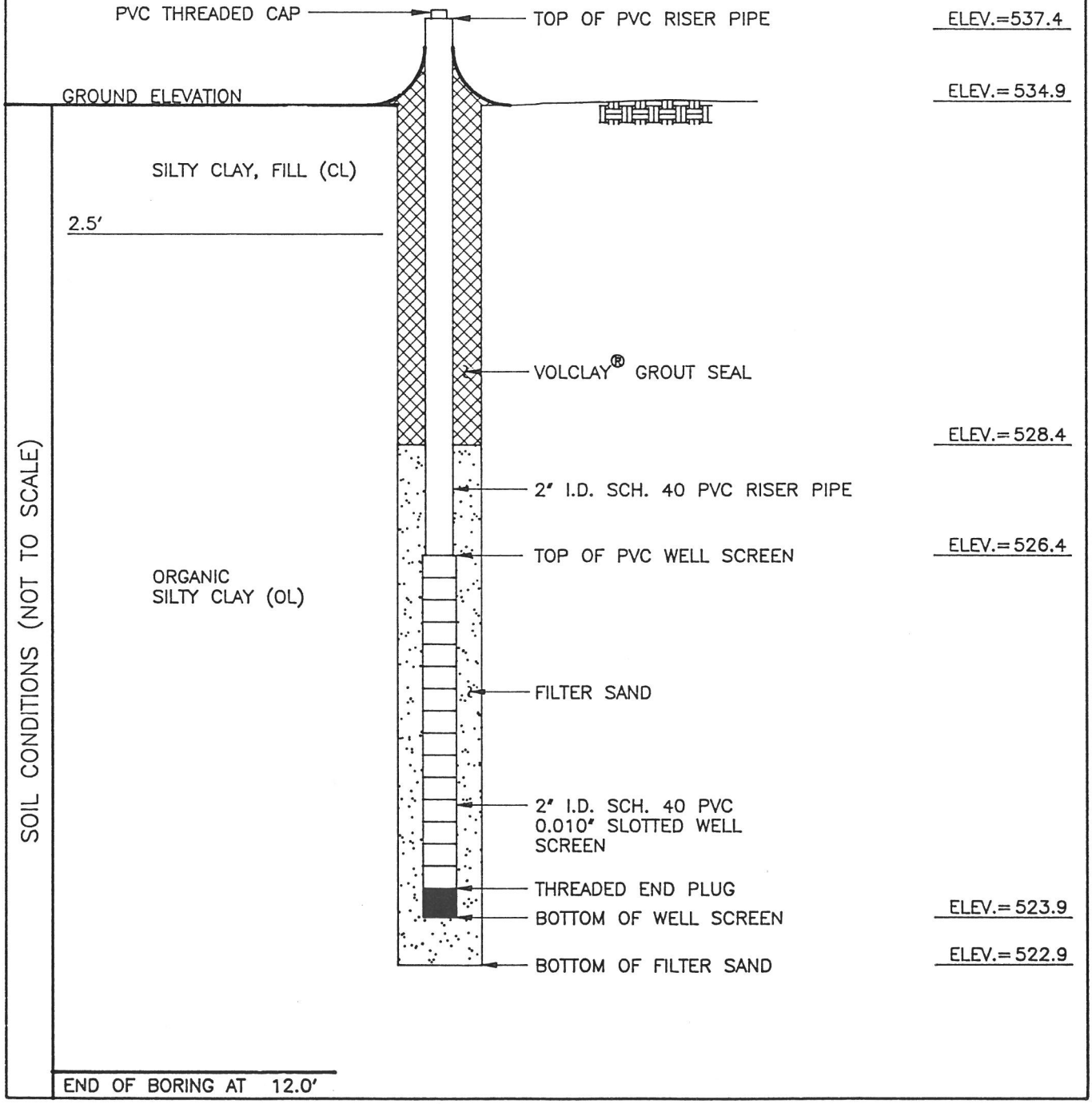
REMARKS
**WOH = Weight of Hammer.**

WATER LEVEL (ft.)
▽
▽
▽

| PATRICK ENGINEERING INC. | PIEZOMETER INSTALLATION REPORT | PIEZ. NO. P-5S/R113<br>PROJ. NO. 496B |
|---|---|---|

PROJECT FGDS LANDFILL
LOCATION SPRINGFIELD, ILLINOIS
CLIENT CWL&P
ENGINEER KRISHNA REDDY
DRILLER KEVIN SHAMWAY

BORING NO. P-5S
LOCATION N 4510.7
E 2887.0
INSTALLATION DATE 8/16/92
WEATHER SUNNY, 70'S



# PATRICK ENGINEERING INC.

BORING NUMBER **P-7D** SHEET **1** OF **2**
CLIENT **City of Springfield CWLP**
PROJECT & NO. **FGDS Landfill - Hydrogeo Invest. - 496B**
LOCATION **N 5,342.8 E 2,432.5**

LOGGED BY **KRR**
GROUND ELEVATION **526.5**

| ELEVATION | DEPTH (FT) | STRATA | SOIL/ROCK DESCRIPTION | SAMPLE TYPE & NO. DEPTH (FT) RECOVERY(IN) | BLOW COUNTS | Water Content PL □ - - - ○ - - - △ LL (10 20 30 40 50) / Unconfined Compressive Strength (TSF) ✳ (1 2 3 4 5) | NOTES & TEST RESULTS |
|---|---|---|---|---|---|---|---|
| 526.5 | 0.0 | | Brown silty clay, trace fine sand, stiff to very stiff, medium plasticity, wet CL | AU-1 0.0-2.0 | | 19.2 ○ | |
| | | | Mottled from 2.0'. | SS-2 2.0-4.0 24"R | 3 3 4 5 | ✳ 17.6 ○ | SS-3: LL=33 PL=19 PI=14 |
| | | | | SS-3 4.0-6.0 24"R | 2 3 4 4 | ✳ 21.7 ○ | |
| | | | | SS-4 6.0-8.0 24"R | 5 5 5 6 | ✳ 25.3 ○ | SS-4: CEC = 16.5 meq/100g |
| | | | | 3T-5 8.0-10.0 24"R | | ✳ 22.6 ○ | 3T-5: Dry dens=101pcf k=2.0 E-07 cm/s |
| | | | | SS-6AB 10.0-12.0 24"R | 2 1 2 2 | ✳ 24.8 ○ | SS-6B: Gravel = 0% Sand = 52% Silt or Clay = 48% |
| 515.0 | 11.5 | | | | | | |
| 514.5 | 12.0 | | Brown clayey fine sand, little silt, loose, poorly graded, moist SC | | | | |
| | | | | SS-7 12.0-14.0 24"R | 2 2 3 3 | ✳ 23.1 ○ 28.9 | |
| | | | Gray silty clay, trace fine sand, soft to stiff, low to medium plasticity, wet CL | SS-8 14.0-16.0 24"R | WOH 1 1 1 | ✳ 26.9 □-○-△ | SS-8: LL = 29 PL = 22 PI = 7 |
| | | | | SS-9 16.0-18.0 24"R | 2 2 2 2 | ✳ 25.1 ○ | |
| | | | | SS-10 18.0-20.0 24"R | WOH 1 1 1 | ✳ 23.6 ○ | |
| 506.5 | 20.0 | | | | | | |

DRILLING CONTRACTOR **Patrick Drilling**
DRILLING METHOD **4-1/4" I.D. HSA.**
DRILLING EQUIPMENT **CME-55/ATV**
DRILLING STARTED **7/30/92** ENDED **7/30/92**

REMARKS
**WOH - Weight of Hammer.**

WATER LEVEL (ft.)
▽ **20.0'** during drilling.
▽
▼

# PATRICK ENGINEERING INC.

BORING NUMBER **P-7D** SHEET **2** OF **2**
CLIENT **City of Springfield CWLP**
PROJECT & NO. **FGDS Landfill - Hydrogeo Invest. - 496B**
LOCATION **N 5,342.8 E 2,432.5**

LOGGED BY **KRR**
GROUND ELEVATION **526.5**

| ELEVATION | DEPTH (FT) | STRATA | SOIL/ROCK DESCRIPTION | SAMPLE TYPE & NO. DEPTH (FT) RECOVERY(IN) | BLOW COUNTS | Water Content PL □ - - - ○ - - - △ LL (10 20 30 40 50) / Unconfined Compressive Strength (TSF) ✳ (1 2 3 4 5) | NOTES & TEST RESULTS |
|---|---|---|---|---|---|---|---|
| 506.5 | 20.0 | | Gray silty clay, trace fine sand, soft, low to medium plasticity, wet CL | SS-11 20.0-22.0 24"R | WOH 1 1 1 | ✳ 22.6 | Water level at 20.0' during drilling. |
| | | | | 3T-12 22.0-24.0 20"R | | ✳ | |
| 502.5 | 24.0 | | Gray clayey silt, some fine sand, loose, poorly graded, saturated CL-ML | SS-13 24.0-26.0 24"R | 1 2 1 3 | 24.3 | SS-13: Gravel = 0% Sand = 34% Silt or Clay = 66% |
| 500.5 | 26.0 | | Gray fine sand, some silt, very loose, poorly graded, saturated SM | SS-14 26.0-28.0 18"R | 1 1 1 1 | 19.1 | |
| | | | | SS-15 28.0-30.0 20"R | 1 1 1 3 | 10.9 | |
| 497.5 | 29.0 | | Gray coarse to fine sand, some coarse to fine gravel, little silt, loose, well graded, saturated SW-SM/SM | SS-16 30.0-32.0 20"R | 2 2 4 11 | ✳ 24.2 | SS-16: Gravel = 27% Sand = 59% Silt or clay = 14% |
| 495.5 | 31.0 | | Gray silty clay to clay, trace fine sand, very stiff to hard, medium to high plasticity, moist CL/CH | SS-17 32.0-34.0 15"R | 28 115 200+ /3" | ✳ 13.3 | |
| 494.0 | 32.5 | | | | | | |
| 493.3 | 33.2 | | Gray shale | | | | |
| | | | End of Boring at 33.2'. | | | | Piezometer was installed immediately after completion of drilling. Refer to as-built diagram P-7D for more details. |

DRILLING CONTRACTOR **Patrick Drilling**
DRILLING METHOD **4-1/4" I.D. HSA.**
DRILLING EQUIPMENT **CME-55/ATV**
DRILLING STARTED **7/30/92** ENDED **7/30/92**

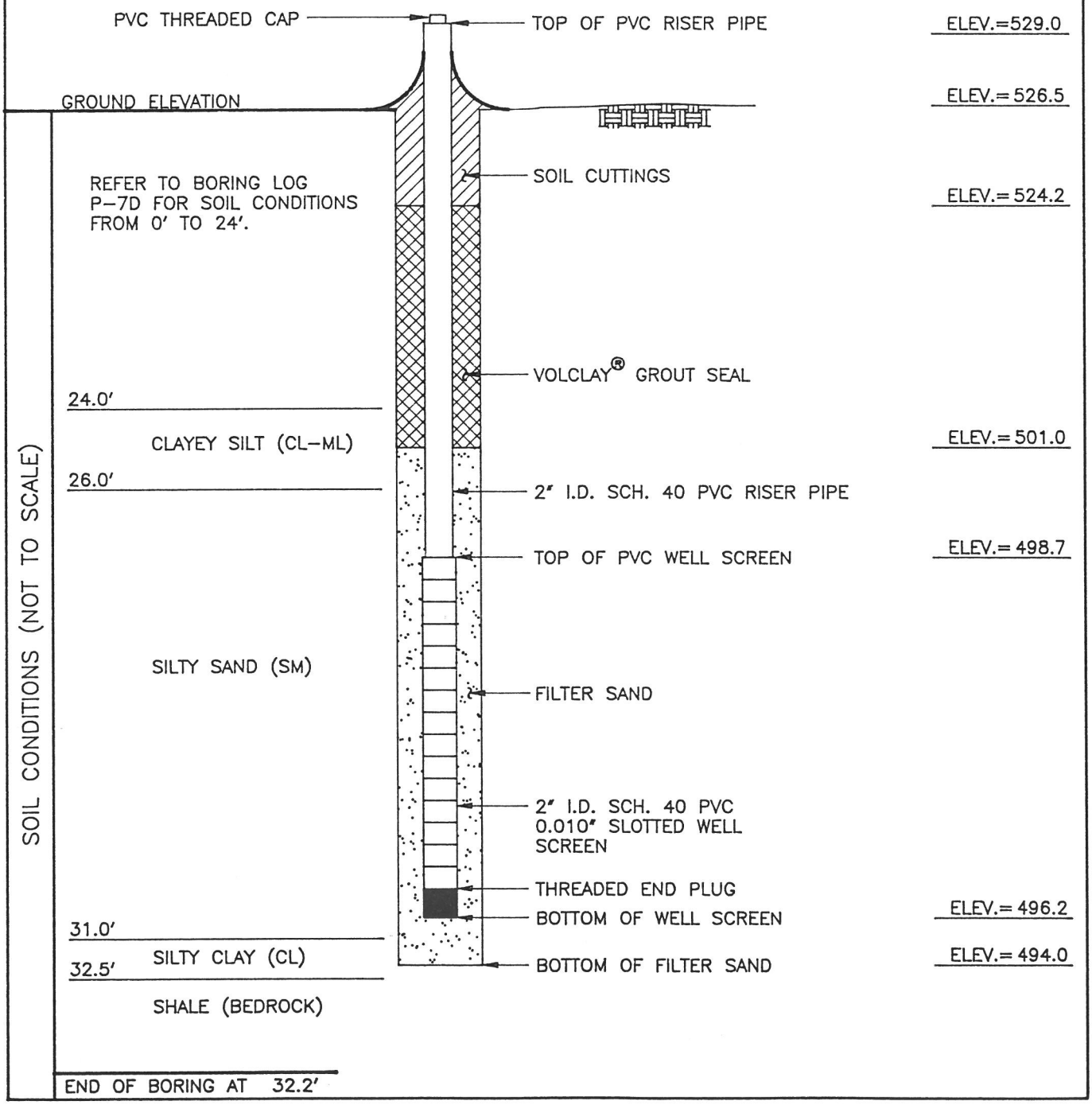
REMARKS
**WOH - Weight of Hammer.**

WATER LEVEL (ft.)
▽ **20.0'** during drilling.
▽
▽

| PATRICK ENGINEERING INC. | PIEZOMETER INSTALLATION REPORT | PIEZ. NO. P-7D<br>PROJ. NO. 496B |
|---|---|---|

PROJECT FGDS LANDFILL
LOCATION SPRINGFIELD, ILLINOIS
CLIENT CWL&P
ENGINEER KRISHNA REDDY
DRILLER KEVIN SHAMWAY

BORING NO. P-7D
LOCATION N 5345.8
E 2429.5
INSTALLATION DATE 7/30/92
WEATHER RAIN, WARM, 80'S



# Professional Service Industries, Inc.

## RECORD OF SUBSURFACE EXPLORATION

Boring R-101

Project Name: Monitoring Well Installations Date of Boring: January 15, 1990

Site: CWLP Ash Disposal Facility Project No.: 020-05001

| DESCRIPTION | DEPTH | SAMPLE | N | $Q_u$ | $Q_p$ | $M_c$ | REMARKS |
|---|---|---|---|---|---|---|---|
| SURFACE | | | | | | | |
| *Note 1 | | | | | | | |
| Silty clay to clayey silt, light brown, light grey | 5 | 1-SS | 35% | | | | |
| | | 2-SS | 100% | | | | |
| | 10 | | | | | | |
| 13.0'-13.2': Brown sand, fine to medium | | 3-SS | 75% | | | | While Drilling ▽ |
| Silty clay, grey, mottled brown | 15 | | | | | | |
| | | 4-SS | 100% | | | | |
| Silt to clayey silt, grey, brown, some sand, fine to medium | 20 | | | | | | |
| | | 5-SS | 100% | | | | |
| | 25 | | | | | | |
| | | 6-SS | 100% | | | | |
| | 30 | | | | | | |
| Shale, grey, brown (weathered) | | 7-SS | 100% | | | | |
| End of Boring | | | | | | | |
| *Note 1: 0"-6" Brown silty clay with organics | | | | | | | |

# Professional Service Industries, Inc.

## RECORD OF SUBSURFACE EXPLORATION

Boring G-105 / G120

Project Name: Monitoring Well Installations Date of Boring: January 9, 1990

Site: CWLP Ash Disposal Facility Project No.: 020-05001

| DESCRIPTION | DEPTH | SAMPLE | N | $Q_u$ | $Q_p$ | $M_c$ | REMARKS |
|---|---|---|---|---|---|---|---|
| SURFACE | | | | | | | |
| Silty clay to clayey silt, trace organics, brown (fill) | 5 | 1-SS | 20% | | | | |
| | 10 | 2-SS | 35% | | | | |
| | | 3-SS | 25% | | | | |
| Silty clay, drak grey to black, some organics | 15 | | | | | | |
| Silty clay to clay, grey, mottled brown, trace sand | | 4-SS | 100% | | | | |
| | 20 | 5-SS | 40% | | | | |
| | 25 | 6-SS | 35% | | | | |
| Silty clay with sand, fine to medium, brown | 30 | | | | | | While Drilling |
| | | 7-SS | 40% | | | | |
| | 35 | 8-SS | 100% | | | | |
| | 40 | | | | | | |
| Silty clay, trace sand, dark grey, fine | | 9-SS | 100% | | | | |
| | 45 | | | | | | |

# Professional Service Industries, Inc.

## RECORD OF SUBSURFACE EXPLORATION

Boring G-105 (Continued) /G120

Project Name: Monitoring Well Installations Date of Boring: January 9, 1990

Site: CWLP Ash Disposal Facility Project No.: 020-05001

| DESCRIPTION | DEPTH | SAMPLE | N | $Q_u$ | $Q_p$ | $M_c$ | REMARKS |
|---|---|---|---|---|---|---|---|
| Silty clay, some sand, fine, dark grey | 45 | 10-SS | 100% | | | | |
| 48'-48.7': Grey sand, fine to medium | 50 | 11-SS | 80% | | | | |
| Shale, grey, weathered | | | | | | | |
| End of Boring | | | | | | | |

# Andrews Environmental Engineering, Inc.

3535 Mayflower Boulevard, Springfield, IL 62707 (217) 787-2334

## Field Boring Log

**Site Information:**
Name: City Water, Light & Power – FGDS Development
Location: Springfield, IL
County: Sangamon
Site No.: 1678250020
AEEI No.: 93-118

**Location:**
Coord. System: Site Grid
Northing: 5,612.8
Easting: 2,130.0

**Weather:**
Sunny, calm, warm (hi-80's)

**Boring Information:**
Boring No.: B96-1
Well No.: G-121
Surf. Elev.: 553.80

Depth Information:
Total: 56.70
Auger: 56.70
Core: 0.00

Dates:
Start: 05/17/96
Finish: 05/17/96

**Drilling Contractor:**
Name: AE Explortation Corp.
City: Springfield, IL
Equipment: CME 75 – 4¼" HSA /w 5 foot continuous barrel sampler.

**Personnel:**
Geologist: R. Hasenyager
Driller: A. Wiesenhofer
Helper (s): K. Doetzel

Sample Type: – Continuous Barrel – Split Spoon – Shelby Tube – Core – Blind Drill

| Depth (ft.) | Run No. | Sample Type | Sample No. | Sample Recov. | Blow Count | $q_p$ [$q_s$] (in tsf) | % Moisture | Borehole Detail | Lithology | Description/*Comments* | USC | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 2.25 | | Stickup = 1.87' | | Brown with 35% dark brown mottles, dry, firm, silty CLAY, trace sand. | | |
| | 1 | | | 5.0 | | 2.25 | | Concrete | | | | |
| | | | | | | 3.25 | | | | | | 550 |
| 5 | | | | | | 2.75 | | | | | | |
| | | | | | | 3.00 | | | | | | |
| | 2 | | | 5.0 | | 2.25 | | | | Brown, moist, firm, silty CLAY, trace sand. | | |
| | | | | | | 2.75 | | | | Dark brown with 10% greenish blue mottles, moist, firm, silty CLAY, trace sand. | | |
| | | | | | | 3.00 | | | | Brown, moist, firm, silty CLAY, trace sand. | | 545 |
| 10 | | | | | | 4.5+ | | | | Dark brown, moist, firm, silty CLAY, trace sand. | | |
| | 3 | | | 5.0 | | 3.00 | | | | | | |
| | | | | | | 2.00 | | | | | | |
| | | | | | | 3.50 | | | | | | 540 |
| 15 | | | | | | 3.25 | | | | Black, moist, firm, silty CLAY, trace sand. | | |
| | | | | | | 4.25 | | | | Dark brown, moist, firm, silty CLAY, trace sand. | | |
| | 4 | | | 5.0 | | 4.00 | | | | Very dark brown, dry, friable, silty CLAY, trace sand, trace roots. *topsoil* | | |
| | | | | | | 3.00 | | | | | | 535 |
| 20 | | | | | | | | High-solids Bentonite Grout | | Brown, moist, firm, silty CLAY, trace sand. | | |

NOTES:

# Andrews Environmental Engineering, Inc.

3535 Mayflower Boulevard, Springfield, IL 62707 (217) 787-2334

## Field Boring Log

**Site Information:**
Name: City Water, Light & Power - FGDS Development
Location: Springfield, IL
County: Sangamon
Site No.: 1678250020
AEEI No.: 93-118

**Location:**
Coord. System: Site Grid
Northing: 5,612.8
Easting: 2,130.0

**Weather:**
Sunny, calm, warm (hi-80's)

**Drilling Contractor:**
Name: AE Explortation Corp.
City: Springfield, IL
Equipment: CME 75 - 4¼" HSA /w 5 foot continuous barrel sampler.

**Personnel:**
Geologist: R. Hasenyager
Driller: A. Wiesenhofer
Helper (s): K. Doetzel

**Boring Information:**
Boring No.: B96-1
Well No.: G-121
Surf. Elev.: 553.80

Depth Information:
Total: 56.70
Auger: 56.70
Core: 0.00

Dates:
Start: 05/17/96
Finish: 05/17/96

Sample Type: - Continuous Barrel - Split Spoon - Shelby Tube - Core - Blind Drill

| Depth (ft.) | Run No. | Sample Type | Sample No. | Sample Recov. | Blow Count | $q_p$ [$q_s$] (in tsf) | % Moisture | Borehole Detail | Lithology | Description/*Comments* | USC | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 3.00 | | High-solids Bentonite Grout | | Brown, moist, firm, silty CLAY, trace sand. | | |
| | 5 | | | 5.0 | | 2.00 | | | | | | |
| | | | | | | 1.75 | | | | Brown with 40% greenish brown mottles, moist, soft, silty CLAY, trace sand, trace roots. | | |
| | | | | | | 0.75 | | | | Greenish brown, very moist, soft, silty CLAY, trace sand. | | 530 |
| 25 | | | | | | <.50 | | | | Light brown with 15% greenish brown mottles, very moist, firm, silty CLAY, trace sand. | | |
| | 6 | | | 5.0 | | 2.50 | | | | | | |
| | | | | | | 2.50 | | | | | | |
| | | | | | | 2.00 | | | | | | 525 |
| | | | | | | 2.50 | | | | | | |
| 30 | | | | | | 2.00 | | | | | | |
| | | | | | | <.50 | | | | Light brown with 20% light gray mottles, very moist, soft, silty CLAY, trace sand. | | |
| | 7 | | | 5.0 | | 1.25 | | | | | | |
| | | | | | | 1.75 | | | | | | |
| | | | | | | 3.75 | | | | Gray, moist, hard, silty CLAY, with sand. | | 520 |
| 35 | | | | | | 1.00 | | | | Very dark brown, moist, soft, clayey SILT, trace plant fragments. | | |
| | | | | | | <.50 | | | | Dark gray, moist, soft, clayey SILT, trace plant fragements. *more clayey with depth* | | |
| | 8 | | | 5.0 | | <.50 | | | | Very dark gray, moist, soft, silty CLAY, with very fine-grained sand. | | |
| | | | | | | <.50 | | | | | | 515 |
| 40 | | | | | | <.50 | | | | | | |

NOTES:

# Andrews Environmental Engineering, Inc.

3535 Mayflower Boulevard, Springfield, IL 62707 (217) 787-2334

## Field Boring Log

**Site Information:**
Name: City Water, Light & Power - FGDS Development
Location: Springfield, IL
County: Sangamon
Site No.: 1678250020
AEEI No.: 93-118

**Location:**
Coord. System: Site Grid
Northing: 5,612.8
Easting: 2,130.0

**Weather:**
Sunny, calm, warm (hi-80's)

**Boring Information:**
Boring No.: B96-1
Well No.: G-121
Surf. Elev.: 553.80

Depth Information:
Total: 56.70
Auger: 56.70
Core: 0.00

Dates:
Start: 05/17/96
Finish: 05/17/96

**Drilling Contractor:**
Name: AE Explortation Corp.
City: Springfield, IL
Equipment: CME 75 - 4¼" HSA /w 5 foot continuous barrel sampler.

**Personnel:**
Geologist: R. Hasenyager
Driller: A. Wiesenhofer
Helper (s): K. Doetzel

Sample Type: - Continuous Barrel - Split Spoon - Shelby Tube - Core - Blind Drill

| Depth (ft.) | Run No. | Sample Type | Sample No. | Sample Recov. | Blow Count | $q_p$ [$q_s$] (in tsf) | % Moisture | Borehole Detail | Lithology | Description/*Comments* | USC | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1.00 | | | | Very dark gray, moist, soft, silty CLAY, with very fine-grained sand. | | |
| | 9 | | | 5.0 | | 1.00 | | | | | | |
| | | | | | | 1.50 | | | | | | |
| | | | | | | 1.00 | | | | Very dark gray, very moist, soft to firm, sandy/silty CLAY. | | 510 |
| 45 | | | | | | 1.00 | | | | | | |
| | | | | | | 1.00 | | | | Very dark gray, very moist, soft, silty CLAY, with very fine-grained sand. | | |
| | 10 | | | 5.0 | | | | | | | | |
| | | | | | | 1.00 | | | | Very dark gray, very moist, soft to firm, sandy/silty CLAY. | | 505 |
| 50 | | | | | | | | | | | | |
| | 11 | | | 5.0 | | | | | | Very dark gray, wet, soft, clayey, very fine- to fine-grained SAND. | | |
| | | | | | | | | | | Dark gray, very moist, soft, sandy CLAY. | | |
| | | | 11A | | | | | | | Gray, wet, fine- to medium-grained SAND. | | 500 |
| 55 | | | | | 31 | | | | | Gray, moist, firm, clayey SILT, with sand and rock fragments. | | |
| | 12 | | | 1.6 | 34 | 4.5+ | | | | Gray, dry, hard, SHALE. | | |
| | | | | | 35 | | | | | | | |
| | | | | | 48 | | | | | | | |
| | | | | | | | | | | Gray, dry, hard, fine-grained, SANDSTONE. | | |
| | | | | | | | | | | *End of Boring = 56.70 feet (497.10' MSL)* | | 495 |
| 60 | | | | | | | | | | | | |

Borehole Detail: High-solids Bentonite Grout; Bentonite Chips; Filter Pack

NOTES:

# Andrews Environmental Engineering, Inc.

3535 Mayflower Boulevard, Springfield, IL 62707 (217) 787-2334

## Field Boring Log

**Site Information:**
Name: City Water, Light & Power - FGDS Development
Location: Springfield, IL
County: Sangamon
Site No.: 1678250020
AEEI No.: 93-118

**Location:**
Coord. System: Site Grid
Northing: 5,613.2
Easting: 2,305.1

**Weather:**
Sunny, calm, warm (hi-80's)

**Boring Information:**
Boring No.: B96-2
Well No.: G-122
Surf. Elev.: 552.70

Depth Information:
Total: 58.40
Auger: 58.40
Core: 0.00

Dates:
Start: 05/20/96
Finish: 05/20/96

**Drilling Contractor:**
Name: AE Explortation Corp.
City: Springfield, IL
Equipment: CME 75 - 4¼" HSA /w 5 foot continuous barrel sampler.

**Personnel:**
Geologist: R. Hasenyager
Driller: A. Wiesenhofer
Helper (s): K. Doetzel

Sample Type: ▮ - Continuous Barrel ☒ - Split Spoon ⁄ - Shelby Tube ▮ - Core □ - Blind Drill

| Depth (ft.) | Run No. | Sample Type | Sample No. | Sample Recov. | Blow Count | $q_p$ [$q_s$] (in tsf) | % Moisture | Borehole Detail | Lithology | Description/*Comments* | USC | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Stickup = 1.74' Concrete | | Brown, moist, firm, silty CLAY, trace sand. | | |
| | 1 | | | 4.7 | | 3.50 / 3.00 / 3.00 / 4.5+ | | | | Very dark brown, moist, firm, silty CLAY, trace sand. | | 550 |
| 5 | | | | | | | | | | Brown, moist, hard to firm, silty CLAY, trace sand. | | |
| | 2 | | | 5.0 | | 3.50 / 2.50 / 3.00 / 3.00 / 4.5+ | | | | Very dark brown with 40% brown mottles, moist, firm, silty CLAY, trace sand. | | 545 |
| 10 | | | | | | | | | | Brown, moist, firm, silty CLAY, trace sand. | | |
| | 3 | | | 5.0 | | 4.00 / 3.25 / 2.25 / 2.50 / 1.25 | | | | Dark brown with 50% brown mottles, moist, firm, silty CLAY, trace sand. | | 540 |
| 15 | | | | | | | | | | Very dark brown, firm, moist, silty CLAY, trace sand. | | |
| | 4 | | | 5.0 | | 2.25 / 3.50 / 4.25 / 3.25 / 3.00 | | | | Brown, moist, soft, silty CLAY, trace sand. | | |
| | | | | | | | | | | Dark brown, moist, soft, silty CLAY, trace sand. | | 535 |
| 20 | 5 | | | | | 4.00 | | High-solids Bentonite Grout | | Very dark brown, dry, friable, clayey SILT, trace sand. | | |

NOTES:

# Andrews Environmental Engineering, Inc.

3535 Mayflower Boulevard, Springfield, IL 62707 (217) 787-2334

## Field Boring Log

**Site Information:**
Name: City Water, Light & Power - FGDS Development
Location: Springfield, IL
County: Sangamon
Site No.: 1678250020
AEEI No.: 93-118

**Location:**
Coord. System: Site Grid
Northing: 5,613.2
Easting: 2,305.1

**Weather:**
Sunny, calm, warm (hi-80's)

**Boring Information:**
Boring No.: B96-2
Well No.: G-122
Surf. Elev.: 552.70

Depth Information:
Total: 58.40
Auger: 58.40
Core: 0.00

Dates:
Start: 05/20/96
Finish: 05/20/96

**Drilling Contractor:**
Name: AE Explortation Corp.
City: Springfield, IL
Equipment: CME 75 - 4¼" HSA /w 5 foot continuous barrel sampler.

**Personnel:**
Geologist: R. Hasenyager
Driller: A. Wiesenhofer
Helper (s): K. Doetzel

Sample Type: ▮ - Continuous Barrel ⊠ - Split Spoon ⧄ - Shelby Tube ▮ - Core □ - Blind Drill

| Depth (ft.) | Run No. | Sample Type | Sample No. | Sample Recov. | Blow Count | $q_p$ [$q_s$] (in tsf) | % Moisture | Borehole Detail | Lithology | Description/*Comments* | USC | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 2.00 | | | | Very dark brown, dry, friable, clayey SILT, trace sand. | | |
| | 5 | | | 5.0 | | 2.50 | | | | | | 530 |
| | | | | | | 3.00 | | | | | | |
| | | | | | | 3.00 | | | | | | |
| 25 | | | | | | 2.75 | | | | Black, dry to slightly moist, friable, clayey SILT, trace sand. | | |
| | | | | | | 2.25 | | | | Very dark brown, moist, firm to soft, silty CLAY, trace sand. | | |
| | 6 | | | 5.0 | | 1.00 | | | | | | |
| | | | | | | <.50 | | | | | | 525 |
| | | | | | | <.50 | | | | Dark brown, very moist, soft, silty CLAY, trace sand. | | |
| 30 | | | | | | <.50 | | | | | | |
| | | | | | | <.50 | | | | Brownish gray, very moist, soft, silty CLAY, trace sand. | | |
| | 7 | | | 5.0 | | <.50 | | | | | | |
| | | | | | | 1.00 | | | | | | 520 |
| | | | | | | 1.00 | | | | Gray with 25% reddish brown mottles, very moist, soft, silty CLAY, trace sand. | | |
| 35 | | | | | | 1.00 | | | | | | |
| | | | | | | 1.50 | | | | | | |
| | 8 | | | 5.0 | | <.50 | | High-solids Bentonite Grout | | | | |
| | | | | | | 1.25 | | | | | | 515 |
| | | | | | | 1.25 | | | | | | |
| 40 | 9 | | | | | 1.00 | | | | | | |

NOTES:

# Andrews Environmental Engineering, Inc.

3535 Mayflower Boulevard, Springfield, IL 62707 (217) 787-2334

## Field Boring Log

**Site Information:**
Name: City Water, Light & Power - FGDS Development
Location: Springfield, IL
County: Sangamon
Site No.: 1678250020
AEEI No.: 93-118

**Location:**
Coord. System: Site Grid
Northing: 5,613.2
Easting: 2,305.1

**Weather:**
Sunny, calm, warm (hi-80's)

**Boring Information:**
Boring No.: B96-2
Well No.: G-122
Surf. Elev.: 552.70

Depth Information:
Total: 58.40
Auger: 58.40
Core: 0.00

Dates:
Start: 05/20/96
Finish: 05/20/96

**Drilling Contractor:**
Name: AE Explortation Corp.
City: Springfield, IL
Equipment: CME 75 - 4¼" HSA /w 5 foot continuous barrel sampler.

**Personnel:**
Geologist: R. Hasenyager
Driller: A. Wiesenhofer
Helper (s): K. Doetzel

Sample Type: ▮ - Continuous Barrel ☒ - Split Spoon ⁄ - Shelby Tube ▮ - Core □ - Blind Drill

| Depth (ft.) | Run No. | Sample Type | Sample No. | Sample Recov. | Blow Count | $q_p$ [$q_s$] (in tsf) | % Molsture |
|---|---|---|---|---|---|---|---|
| | 9 | | | 5.0 | | 1.25 | |
| | | | | | | 1.00 | |
| | | | | | | 1.00 | |
| 45 | | | | | | <.50 | |
| | 10 | | 10A | 5.0 | | 1.50 | |
| | | | | | | 2.00 | |
| | | | | | | 1.00 | |
| 50 | 11 | | 11A | 3.0 | | | |
| 55 | 12 | ☒ | 12A | 2.0 | 3<br>10<br>12<br>10 | | |
| | 13 | ☒ | | 1.7 | 0<br>3<br>4<br>23 | | |
| 60 | | | | | | | |

Borehole Detail: Bentonite Chips; High-solids Bentonite Grout; Filter Pack and/or Formation Sand

| Lithology | Description/*Comments* | USC | Elev. (MSL) |
|---|---|---|---|
| | Gray with 25% reddish brown mottles, very moist, soft, silty CLAY, trace sand. | | |
| | Gray, very moist, soft, silty CLAY, with very fine-grained sand. | | |
| | Gray, very moist, soft, sandy CLAY. | | 510 |
| | Dark gray, moist, soft to firm, silty CLAY. | | |
| | Gray, wet, soft, silty, very fine- to fine-grained SAND. | | |
| | Dark gray, moinst, soft, silty CLAY, trace sand. | | |
| | Gray, moist, soft, clayey SILT, trace sand. | | |
| | Gray, wet, soft, fossiliferous, fine- to medium-grained SAND. *Small (3-7 mm.)* Bivalvia *and* Gastropoda. | | 505 |
| | Gray, very moist, soft, clayey SILT, trace sand. | | |
| | Gray, wet, soft, fine- to very coarse-grained, SAND, with shell fragments. | | |
| | Gray, very moist, soft, clayey SILT, with sand. | | |
| | Bluish gray, moist, soft, silty CLAY. | | |
| | Gray, wet, soft, fine- to very coarse-grained, SAND, with shell fragments. | | 500 |
| | Gray, wet, soft, fine- to medium-grained, SAND, with shell fragments. | | |
| | Dark gray, moist, soft, silty CLAY, trace sand. | | 495 |
| | Gray, dry, hard, SHALE. | | |
| | *End of Boring = 58.70 feet (494.00' MSL)* | | |

NOTES:

**Andrews Engineering, Inc.**
3300 Ginger Creek Drive
Springfield, IL 62711

# FIELD BORING LOG

**Site Information:**
Name: CWLP
Location: 201 East Lake Shore Drive
County: Sangamon
Site No.: 1995-243-LFM
AEI No.: 260244

**Location:**
Coord. System: State Planar
Northing: 1130282.395
Easting: 2456393.82

Weather: 60's, clear, breezy

**Boring Information:**
Boring No: AW-4
Well No: AW-4
Surf Elev.: 552.894

**Depth Information:**
Total: 57.5
Auger: 57.0
Core: 0.0

**Drilling Contractor:**
Contractor Name: Skinner, LTD.
City: Hindsboro, IL
Equipment: 850 CME 4.25" HSA, 5' CB, 2' SS

**Personnel:**
Geologist: Nathan Beck
Driller: Todd Skinner
Helper(s): C. Buckler, Adam

**Dates:**
Start: 4/30/2026
Finish: 4/30/2026

- Continuous Barrel (CB) | - Split Spoon (SS) | - Shelby Tube | - Core | - Blind Drill

| Depth (ft) | Run No. | Sample Type | Sample Recov. | Blow Count | qu/su (tsf) | Lithology | Description/Comments | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Ground Surface | 552.9 |
| 0 | | | | | | | Asphault | |
| | | | | | | | Gravel | |
| | 1 | | 0.9 | | | | Bluish grey (5/1 5B) silty Clay, moist, with some gravel | 550.0 |
| 5 | | | | | | | Light grey (7/1 10YR) silty Clay, with green (30%) and brown (30%) mottles | |
| | 2 | | 5.0 | | | | Dark grey (4/1 10YR) silty Clay, moist | 545.0 |
| | | | | | | | Light grey green (7/1 10GY) Silt | |
| 10 | | | | | | | Light grey (7/1 10YR) silty Clay | |
| | 3 | | 4.3 | | | | Very dark grey (3/1 10YR) silty Clay, with green mottles | 540.0 |
| | | | | | | | Light olive (6/3 5Y) silty Clay, with green mottles, moist | |
| 15 | | | | | | | Dark grey (4/1 10YR) Silt, moist, with trace clay | |
| | 4 | | 5.0 | | | | Olive (4/4 5GY) silty Clay, moist, with light grey mottles | 535.0 |
| 20 | | | | | | | Grey (5/1 10YR) clayey Silt, dry, with organics | |

Notes: Augers stopped at 57 feet

**Andrews Engineering, Inc.**
3300 Ginger Creek Drive
Springfield, IL 62711

# FIELD BORING LOG

**Boring Information: AW-4** Boring No: AW-4 Well No: AW-4

- Continuous Barrel (CB) | - Split Spoon (SS) | - Shelby Tube | - Core | - Blind Drill

| Depth (ft) | Run No. | Sample Type | Sample Recov. | Blow Count | qu/su (tsf) | Lithology | Description/Comments | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|
| | 5 | | 5.0 | | | | Olive (4/4 5GY) silty Clay, moist, with organics and black mottles, grades to brown | 530.0 |
| 25 | 6 | | 5.0 | | | | Yellowish brown (6/4 10YR) silty Clay, soft, wet, with light grey (7/1 10YR) mottles | 525.0 |
| 30 | 7 | | 5.0 | | | | | 520.0 |
| 35 | | | | | | | grades to light grey (7/1 10YR), with brown mottles | |
| | 8 | | 4.6 | | | | Grey (6/1 10YR) sandy Clay, moist | 515.0 |
| | | | | | | | Brown (4/6 10YR) Sand, with some clay and gravel, moist | |
| 40 | | | | | | | Dark grey (4/1 10YR) clayey Silt, firm, dry | |

Notes: Augers stopped at 57 feet

**Andrews Engineering, Inc.**
3300 Ginger Creek Drive
Springfield, IL 62711

# FIELD BORING LOG

**Boring Information: AW-4** Boring No: AW-4 Well No: AW-4

- Continuous Barrel (CB) | - Split Spoon (SS) | - Shelby Tube | - Core | - Blind Drill

| Depth (ft) | Run No. | Sample Type | Sample Recov. | Blow Count | qu/su (tsf) | Lithology | Description/Comments | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|
| | 9 | | 4.1 | | | | Dark grey (4/1 10YR) silty Clay, moist, with some fine to medium grain sized sand | 510.0 |
| 45 | | | | | | | Dark grey (4/1 10YR) medium grain sized Sand, with few organics | |
| | 10 | | 4.0 | | | | Greyish green (5/2 5GY) silty Clay, very moist, soft | 505.0 |
| 50 | | | | | | | grades to sandy Clay, moist | |
| | 11 | | 3.9 | | | | Dark grey (4/1 10YR) medium to coarse grain sized Sand, with clay and gravel, wet | 500.0 |
| 55 | 12 | | 1.5 | | | | Dark grey (4/1 10YR) weathered Shale, dry | |
| | 13 | | 0.5 | 60\6 | | | | |
| | | | | | | | End of Boring = 57.5 Feet | 495.0 |
| 60 | | | | | | | | |

Notes: Augers stopped at 57 feet

**Andrews Engineering, Inc.**
3300 Ginger Creek Drive
Springfield, IL 62711

# FIELD BORING LOG

**Site Information:**
Name: CWLP
Location: 201 East Lake Shore Drive
County: Sangamon
Site No.: 1995-243-LFM
AEI No.: 260244

**Location:**
Coord. System: State Planar
Northing: 1130474.33
Easting: 2456386.386

Weather: 60's, clear, breezy

**Boring Information:**
Boring No: AW-5
Well No: AW-5
Surf Elev.: 552.27

**Depth Information:**
Total: 60.0
Auger: 60.0
Core: 0.0

**Drilling Contractor:**
Contractor Name: Skinner, LTD.
City: Hindsboro, IL
Equipment: 850 CME 4.25" HSA, 5' CB, 2' SS

**Personnel:**
Geologist: Nathan Beck
Driller: Todd Skinner
Helper(s): C. Buckler, Adam

**Dates:**
Start: 4/28/2026
Finish: 4/29/2026

- Continuous Barrel (CB) | - Split Spoon (SS) | - Shelby Tube | - Core | - Blind Drill

| Depth (ft) | Run No. | Sample Type | Sample Recov. | Blow Count | qu/su (tsf) | Lithology | Description/Comments | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Ground Surface | 552.3 |
| 0 | | | | | | | Crushed rock (road) | |
| | 1 | | 0.5 | | | | Grey (5/1 10YR) clayey silt, moist, with brown mottles and little sand | 550.0 |
| 5 | | | | | | | | |
| | 2 | | 4.5 | | | | Olive (4/4 5Y) silty Clay, moist, grey mottles | 545.0 |
| | | | | | | | Very dark grey (3/1 10YR) clayey Silt, trace brown mottles | |
| 10 | | | | | | | | |
| | 3 | | 4.85 | | | | Olive brown (4/4 2.5Y) silty Clay, moist, with grey and dark grey mottles | 540.0 |
| | | | | | | | Very dark grey (3/1 10YR) clayey Silt, moist, trace green mottles | |
| 15 | | | | | | | | |
| | 4 | | 4.0 | | | | grades to light grey (7/1 10YR) with brown mottles, moist | 535.0 |
| | | | | | | | Dark olive (3/4 10Y) silty Clay, moist, dark grey mottles | |
| 20 | | | | | | | Dark brownish (4/2 10YR) clayey Silt | |

Notes:

**Andrews Engineering, Inc.**
3300 Ginger Creek Drive
Springfield, IL 62711

# FIELD BORING LOG

**Boring Information: AW-5** Boring No: AW-5 Well No: AW-5

- Continuous Barrel (CB) | - Split Spoon (SS) | - Shelby Tube | - Core | - Blind Drill

| Depth (ft) | Run No. | Sample Type | Sample Recov. | Blow Count | qu/su (tsf) | Lithology | Description/Comments | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | | | | | | | Yellowish brown (5/8 10YR) clayey Sand, fine to medium sized grain | |
| | 5 | | 3.4 | | | | Black (2/1 10YR) Silt, organics, dry | 530.0 |
| | | | | | | | Dark grey (4/1 10YR) silty Clay, grading to olive (4/4 5Y) | |
| 25 | | | | | | | | |
| | 6 | | 5.0 | | | | | 525.0 |
| | | | | | | | grades to light grey (7/1 10YR), with olive and brown mottles | |
| 30 | | | | | | | | |
| | 7 | | 5.0 | | | | | 520.0 |
| | | | | | | | Olive grey (5/2 5Y) silty Clay, interbedded with white silt, moist | |
| 35 | | | | | | | | |
| | 8 | | 4.4 | | | | Grey (5/1 10YR) Clay, wet, sticky, plasticy, ductile | 515.0 |
| | | | | | | | | |
| 40 | | | | | | | Dark brownish grey (4/2 10YR) silty Clay, trace shell fragments, soft | |

Notes:

**Andrews Engineering, Inc.**
3300 Ginger Creek Drive
Springfield, IL 62711

# FIELD BORING LOG

**Boring Information: AW-5** Boring No: AW-5 Well No: AW-5

- Continuous Barrel (CB) | - Split Spoon (SS) | - Shelby Tube | - Core | - Blind Drill

| Depth (ft) | Run No. | Sample Type | Sample Recov. | Blow Count | qu/su (tsf) | Lithology | Description/Comments | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 510.0 |
| | 9 | | 4.2 | | | | | |
| 45 | | | | | | | Grey (5/1 10YR) silty Clay | |
| | 10 | | 4.8 | | | | | 505.0 |
| | | | | | | | Grey (5/1 10YR) clayey Sand | |
| 50 | | | | | | | Grey (5/1 10YR) silty Clay | |
| | 11 | | 2.75 | | | | | 500.0 |
| 55 | | | | | | | Grey (5/1 10YR) Sand, coarse to medium grain size, with clay, saturated | |
| | 12 | | 3.11 | | | | | 495.0 |
| | 13 | | 0.4 | 60\5 | | | Grey (5/1 10YR) weathered Shale | |
| 60 | | | | | | | | |

Notes:

**Andrews Engineering, Inc.**
3300 Ginger Creek Drive
Springfield, IL 62711

# FIELD BORING LOG

**Site Information:**
Name: CWLP
Location: 201 East Lake Shore Drive
County: Sangamon
Site No.: 1995-243-LFM
AEI No.: 260244

**Location:**
Coord. System: State Planar
Northing: 1130083.277
Easting: 2456818.905

Weather: 60's, clear, breezy

**Boring Information:**
Boring No: AW-6
Well No: AW-6
Surf Elev.: 524.672

**Depth Information:**
Total: 31.5
Auger: 31.0
Core: 0.0

**Drilling Contractor:**
Contractor Name: Skinner, LTD.
City: Hindsboro, IL
Equipment: 850 CME, 4.25" HSA, 5' CB, 2' SS

**Personnel:**
Geologist: Nathan Beck
Driller: Todd Skinner
Helper(s): C. Buckler, Adam

**Dates:**
Start: 4/30/2026
Finish: 4/30/2026

- Continuous Barrel (CB) | - Split Spoon (SS) | - Shelby Tube | - Core | - Blind Drill

| Depth (ft) | Run No. | Sample Type | Sample Recov. | Blow Count | qu/su (tsf) | Lithology | Description/Comments | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | Ground Surface | 524.7 |
| | 1 | | 4.9 | | | | Dark grey (4/1 10YR) silty Clay, with brown mottles, moist, with many organics | |
| 5 | | | | | | | | 520.0 |
| | 2 | | 5.0 | | | | Black (2/1 10YR) and brown (4/4 7.5YR) Sand, medium to fine grain sized, with clay and trace gravel | |
| | | | | | | | Very dark grey (3/1 10YR) silty Clay, moist | 515.0 |
| 10 | | | | | | | with light grey (7/1 10YR) silt seams | |
| | 3 | | 5.0 | | | | Very dark grey (3/1 10YR) silty Clay, moist | |
| | | | | | | | Light bluish grey (7/1 10B) silty Clay, wet, ductile | |
| | | | | | | | Very dark grey (3/1 10YR) clayey Silt, wet | |
| 15 | | | | | | | Light bluish grey (7/1 10B) silty Clay, wet | 510.0 |
| | 4 | | 4.0 | | | | with thin sand seams | |
| 20 | | | | | | | Light bluish grey (7/1 10B) Clay, wet | 505.0 |

Notes: Augers stopped at 31 feet

**Andrews Engineering, Inc.**
3300 Ginger Creek Drive
Springfield, IL 62711

# FIELD BORING LOG

**Boring Information: AW-6** Boring No: AW-6 Well No: AW-6

- Continuous Barrel (CB) | - Split Spoon (SS) | - Shelby Tube | - Core | - Blind Drill

| Depth (ft) | Run No. | Sample Type | Sample Recov. | Blow Count | qu/su (tsf) | Lithology | Description/Comments | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | 5 | | 4.5 | | | | grades to sandy Clay | |
| | | | | | | | Light greenish grey (5/1 10Y) sandy Clay, medium sized grains | 500.0 |
| 25 | | | | | | | | |
| | 6 | | 3.2 | | | | Light greenish grey (5/1 10Y) medium grain sized Sand, with clay, wet | |
| | | | | | | | Olive grey (5/2 5Y) gravelly coarse to medium grain sized Sand, saturated | |
| | | | | | | | Grey (5/1 10YR) gravelly Clay, hard, dry, with medium grain sized sand | 495.0 |
| 30 | 7 | | 1.2 | 6<br>14<br>46\4 | | | Grey (6/1 10YR) weathered Shale | |
| | | | | | | | End of Boring = 31.5 Feet | |
| 35 | | | | | | | | 490.0 |
| | | | | | | | | |
| 40 | | | | | | | | 485.0 |

Notes: Augers stopped at 31 feet

**Andrews Engineering, Inc.**
3300 Ginger Creek Drive
Springfield, IL 62711

# FIELD BORING LOG

**Site Information:**
Name: CWLP
Location: 201 East Lake Shore Drive
County: Sangamon
Site No.: 1995-243-LFM
AEI No.: 260244

**Location:**
Coord. System: State Planar
Northing: 1130634.534
Easting: 2456370.917

Weather: 60's, clear, breezy

**Boring Information:**
Boring No: AP17
Well No: AP17
Surf Elev.: 553.31

**Depth Information:**
Total: 59.0
Auger: 58.0
Core: 0.0

**Drilling Contractor:**
Contractor Name: Skinner, LTD.
City: Hindsboro, IL
Equipment: 850 CME 4.25" HSA, 5' CB, 2' SS

**Personnel:**
Geologist: Nathan Beck
Driller: Todd Skinner
Helper(s): C. Buckler, Adam

**Dates:**
Start: 4/28/2026
Finish: 4/28/2026

- Continuous Barrel (CB) | - Split Spoon (SS) | - Shelby Tube | - Core | - Blind Drill

| Depth (ft) | Run No. | Sample Type | Sample Recov. | Blow Count | qu/su (tsf) | Lithology | Description/Comments | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Ground Surface | 553.3 |
| 0 | | | | | | | Brown (4/4 7.5YR) clayey Silt, with organics, > 1 inch black ash seam near bottom | |
| | 1 | | 4.0 | | | | Brown (5/3 7.5 YR) clayey Silt, organics | |
| | | | | | | | | 550.0 |
| | | | | | | | Yellowish brown (6/4 7.5YR) sandy Clay, very moist | |
| 5 | 2 | | 3.4 | | | | Very dark (3/1 10YR) silty Clay, moist, with brown mottles and some organics | |
| | | | | | | | | 545.0 |
| | | | | | | | Very dark grey (3/1 10YR), Silt, some clay | |
| 10 | 3 | | 4.6 | | | | grades to clayey Silt, soft, moist | |
| | | | | | | | | 540.0 |
| 15 | | | | | | | Grey (5/1 10YR) Silt, with clay, moist, olive mottles | |
| | 4 | | 3.8 | | | | Grey (5/1 10YR) silty Clay, some brown sand and light blueish grey and olive mottles | |
| | | | | | | | | 535.0 |
| 20 | | | | | | | | |

Notes: Augers stopped at 58 feet

**Andrews Engineering, Inc.**
3300 Ginger Creek Drive
Springfield, IL 62711

# FIELD BORING LOG

**Boring Information: AP17** Boring No: AP17 Well No: AP17

- Continuous Barrel (CB) | - Split Spoon (SS) | - Shelby Tube | - Core | - Blind Drill

| Depth (ft) | Run No. | Sample Type | Sample Recov. | Blow Count | qu/su (tsf) | Lithology | Description/Comments | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|
| | 5 | | 3.6 | | | | Light grey (7/1 10YR) silty Clay, with some brown mottles, some fine sand, moist | |
| | | | | | | | soft, wet | 530.0 |
| 25 | 6 | | 4.0 | | | | Pale olive (6/3 5Y) Clay soft, wet | |
| | | | | | | | grades to light grey (7/1 10YR) with brown mottles | |
| | | | | | | | Light grey (7/1 10YR) clayey Silt, with brown mottles | |
| | | | | | | | Light brownish (7/2 10YR) grey silty Clay, moist | 525.0 |
| 30 | 7 | | 5.0 | | | | grades to light grey with brown mottles | |
| | | | | | | | Grey (6/1 10YR) silty Clay, moist, with dark brown mottles | 520.0 |
| 35 | 8 | | 5.0 | | | | Grey (5/1 10YR) Clay, sticky, plasticy, with some brown mottles, soft | 515.0 |
| 40 | | | | | | | Very dark grey (3/1 10YR) clayey Silt, trace grey mottles, very wet, soft | |

Notes: Augers stopped at 58 feet

**Andrews Engineering, Inc.**
3300 Ginger Creek Drive
Springfield, IL 62711

# FIELD BORING LOG

**Boring Information: AP17** Boring No: AP17 Well No: AP17

- Continuous Barrel (CB) - Split Spoon (SS) - Shelby Tube - Core - Blind Drill

| Depth (ft) | Run No. | Sample Type | Sample Recov. | Blow Count | qu/su (tsf) | Lithology | Description/Comments | Elev. (MSL) |
|---|---|---|---|---|---|---|---|---|
| | 9 | | 5.0 | | | | grades to grey (5/1 10YR) | |
| | | | | | | | Grey (5/1 10YR) silty Clay, very wet, soft | 510.0 |
| 45 | 10 | | 5.0 | | | | Grey (6/1 10YR) silty Clay, very soft, saturated, ductile | 505.0 |
| 50 | 11 | | 3.6 | | | | Dark grey (4/1 10YR) Sand, with clay, trace brown mottles, soft, saturated, medium and fine grained sized | 500.0 |
| 55 | 12 | | 3.3 | | | | | |
| | 13 | | 0.7 | 17<br>60\5 | | | Grey (4/1 YR10) weathered Shale | 495.0 |
| 60 | | | | | | | End of Boring = 59 Feet | |

Notes: Augers stopped at 58 feet

# APPENDIX B:
## WELL COMPLETION REPORTS

# Illinois Environmental Protection Agency — Well Completion Report

Site #: 1678250020 County: Sangamon County Well #: AP-17

Site Name: FGDS Development Borehole #: AP-17

Coordinates: X 1130634.534 Y 2456370.917 (or) Latitude: 39 ° 46 ' 12 " Longitude: 89 ° 35 ' 54 "

Surveyed by: Andrews Engineering IL Registration #:

Drilling Contractor: Skinner, LTD. Consulting Firm: Andrews Engineering

Driller: Todd Skinner Geologist: Nathan Beck

Drilling Method: 850 CME, 4.25 ID HSA w/ 5' CB and 2' SS Logged by: Nathan Beck

Drilling Fluids (type): n/a Report Form Completed by: Nathan Beck

Date Well Started: 4/28/2026 Date Well Finished: 4/28/2026 Date Form Completed: 5/6/2026

## ANNULAR SPACE DETAILS

Type of surface seal: Concrete

Type of annular sealant: Bentonite Grout

Installation method: Tremie Pipe

Setting time: 24+ Hours

Type of bentonite seal: Bentonite Pellets

Installation method: Free drop

Setting time: 30+ minutes

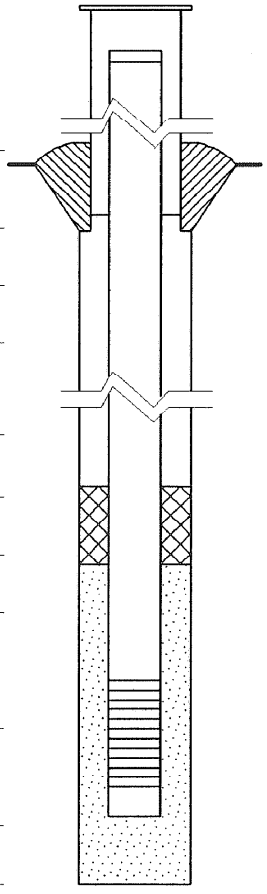
Type of sand pack: Quartz Sand

Grain size: 20/40 (sieve size)

Installation method: Free drop

Type of backfill material: n/a (if applicable)

Installation method: n/a



| ELEVATION (MSL)® | DEPTH (BGS)* | (0.01 ft) |
|---|---|---|
| 555.70 | -2.39 | Top of Protective Casing |
| 555.62 | -2.31 | Top of Riser Pipe |
| 553.31 | 0.00 | Ground Surface |
| 551.31 | 2.00 | Top of Annular Sealant |
| | | Static Water Level Measured on (after completion) |
| 509.51 | 43.80 | Top of Seal |
| 507.31 | 46.00 | Top of Sandpack |
| 505.57 | 47.74 | Top of Screen |
| 495.87 | 57.44 | Bottom of Screen |
| 495.31 | 58.00 | Bottom of Well |
| 495.31 | 58.00 | Bottom of Borehole |

® Referenced to a National Geodetic Vertical Datum
* positive (+) values below GS, negitive (-) values above GS

## WELL CONSTRUCTION MATERIALS

| | |
|---|---|
| Protective Casing | Annodized Alumium |
| Riser Pipe Above W.T. | PVC |
| Riser Pipe Below W.T. | PVC |
| Screen | Prepacked PVC |

## CASING MEASUREMENTS

| | |
|---|---|
| Diameter of Borehole (in) | 8.25 |
| ID of Riser Pipe (in) | 2.00 |
| Protective Casing Length (ft) | 5.00 |
| Riser Pipe Length (ft) | 50.05 |
| Bottom of Screen to End Cap (ft) | 0.56 |
| Screen Length (1st slot to last slot) (ft) | 9.70 |
| Total Length of Casing (ft) | 60.31 |
| Screen Slot Size* | 0.01 (#10) |

*Hand-slotted well screens are unacceptable.

# Illinois Environmental Protection Agency — Well Completion Report

Site #: 1678250020 County: Sangamon County Well #: AP-17

Site Name: FGDS Development Borehole #: AP-17

Coordinates: X 1130634.534 Y 2456370.917 (or) Latitude: 39 ° 46 ' 12 " Longitude: 89 ° 35 ' 54 "

Surveyed by: Andrews Engineering IL Registration #:

Drilling Contractor: Skinner, LTD. Consulting Firm: Andrews Engineering

Driller: Todd Skinner Geologist: Nathan Beck

Drilling Method: 850 CME, 4.25 ID HSA w/ 5' CB and 2' SS Logged by: Nathan Beck

Drilling Fluids (type): n/a Report Form Completed by: Nathan Beck

Date Well Started: 4/28/2026 Date Well Finished: 4/28/2026 Date Form Completed: 5/6/2026

## ANNULAR SPACE DETAILS

Type of surface seal: Concrete

Type of annular sealant: Bentonite Grout

Installation method: Tremie Pipe

Setting time: 24+ Hours

Type of bentonite seal: Bentonite Pellets

Installation method: Free drop

Setting time: 30+ minutes

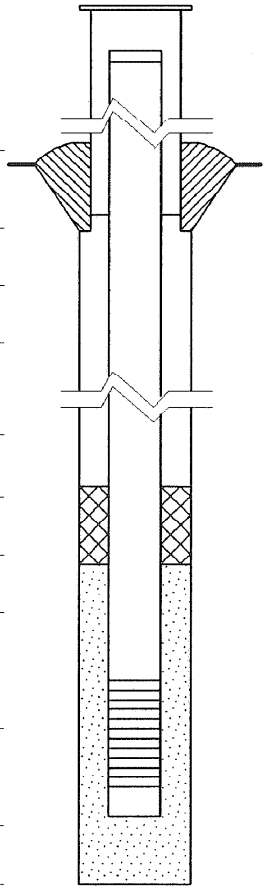
Type of sand pack: Quartz Sand

Grain size: 20/40 (sieve size)

Installation method: Free drop

Type of backfill material: n/a (if applicable)

Installation method: n/a



| ELEVATION (MSL)® | DEPTH (BGS)* | (0.01 ft) |
|---|---|---|
| 555.70 | -2.39 | Top of Protective Casing |
| 555.62 | -2.31 | Top of Riser Pipe |
| 553.31 | 0.00 | Ground Surface |
| 551.31 | 2.00 | Top of Annular Sealant |
| | | Static Water Level Measured on (after completion) |
| 509.51 | 43.80 | Top of Seal |
| 507.31 | 46.00 | Top of Sandpack |
| 505.57 | 47.74 | Top of Screen |
| 495.87 | 57.44 | Bottom of Screen |
| 495.31 | 58.00 | Bottom of Well |
| 495.31 | 58.00 | Bottom of Borehole |

® Referenced to a National Geodetic Vertical Datum
* positive (+) values below GS, negitive (-) values above GS

## WELL CONSTRUCTION MATERIALS

| | |
|---|---|
| Protective Casing | Annodized Alumium |
| Riser Pipe Above W.T. | PVC |
| Riser Pipe Below W.T. | PVC |
| Screen | Prepacked PVC |

## CASING MEASUREMENTS

| | |
|---|---|
| Diameter of Borehole (in) | 8.25 |
| ID of Riser Pipe (in) | 2.00 |
| Protective Casing Length (ft) | 5.00 |
| Riser Pipe Length (ft) | 50.05 |
| Bottom of Screen to End Cap (ft) | 0.56 |
| Screen Length (1st slot to last slot) (ft) | 9.70 |
| Total Length of Casing (ft) | 60.31 |
| Screen Slot Size* | 0.01 (#10) |

*Hand-slotted well screens are unacceptable.

# Illinois Environmental Protection Agency — Well Completion Report

Site #: 1678250020 County: Sangamon County Well #: AP-17

Site Name: FGDS Development Borehole #: AP-17

Coordinates: X 1130634.534 Y 2456370.917 (or) Latitude: 39 ° 46 ' 12 " Longitude: 89 ° 35 ' 54 "

Surveyed by: Andrews Engineering IL Registration #:

Drilling Contractor: Skinner, LTD. Consulting Firm: Andrews Engineering

Driller: Todd Skinner Geologist: Nathan Beck

Drilling Method: 850 CME, 4.25 ID HSA w/ 5' CB and 2' SS Logged by: Nathan Beck

Drilling Fluids (type): n/a Report Form Completed by: Nathan Beck

Date Well Started: 4/28/2026 Date Well Finished: 4/28/2026 Date Form Completed: 5/6/2026

## ANNULAR SPACE DETAILS

Type of surface seal: Concrete

Type of annular sealant: Bentonite Grout

Installation method: Tremie Pipe

Setting time: 24+ Hours

Type of bentonite seal: Bentonite Pellets

Installation method: Free drop

Setting time: 30+ minutes

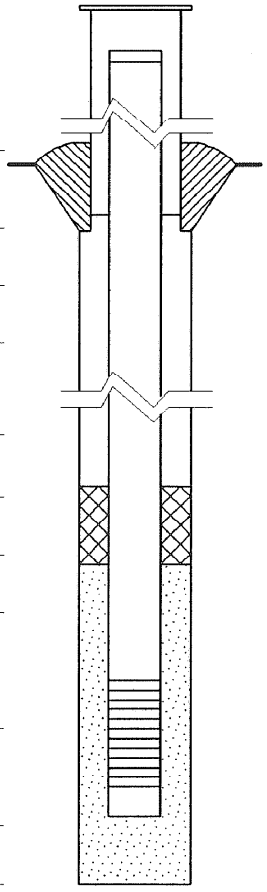
Type of sand pack: Quartz Sand

Grain size: 20/40 (sieve size)

Installation method: Free drop

Type of backfill material: n/a (if applicable)

Installation method: n/a



| ELEVATION (MSL)® | DEPTH (BGS)* | (0.01 ft) |
|---|---|---|
| 555.70 | -2.39 | Top of Protective Casing |
| 555.62 | -2.31 | Top of Riser Pipe |
| 553.31 | 0.00 | Ground Surface |
| 551.31 | 2.00 | Top of Annular Sealant |
| | | Static Water Level Measured on (after completion) |
| 509.51 | 43.80 | Top of Seal |
| 507.31 | 46.00 | Top of Sandpack |
| 505.57 | 47.74 | Top of Screen |
| 495.87 | 57.44 | Bottom of Screen |
| 495.31 | 58.00 | Bottom of Well |
| 495.31 | 58.00 | Bottom of Borehole |

® Referenced to a National Geodetic Vertical Datum
* positive (+) values below GS, negitive (-) values above GS

## WELL CONSTRUCTION MATERIALS

| | |
|---|---|
| Protective Casing | Annodized Alumium |
| Riser Pipe Above W.T. | PVC |
| Riser Pipe Below W.T. | PVC |
| Screen | Prepacked PVC |

## CASING MEASUREMENTS

| | |
|---|---|
| Diameter of Borehole (in) | 8.25 |
| ID of Riser Pipe (in) | 2.00 |
| Protective Casing Length (ft) | 5.00 |
| Riser Pipe Length (ft) | 50.05 |
| Bottom of Screen to End Cap (ft) | 0.56 |
| Screen Length (1st slot to last slot) (ft) | 9.70 |
| Total Length of Casing (ft) | 60.31 |
| Screen Slot Size* | 0.01 (#10) |

*Hand-slotted well screens are unacceptable.

# Illinois Environmental Protection Agency — Well Completion Report

Site #: 1678250020 County: Sangamon County Well #: AP-17

Site Name: FGDS Development Borehole #: AP-17

Coordinates: X 1130634.534 Y 2456370.917 (or) Latitude: 39 ° 46 ' 12 " Longitude: 89 ° 35 ' 54 "

Surveyed by: Andrews Engineering IL Registration #:

Drilling Contractor: Skinner, LTD. Consulting Firm: Andrews Engineering

Driller: Todd Skinner Geologist: Nathan Beck

Drilling Method: 850 CME, 4.25 ID HSA w/ 5' CB and 2' SS Logged by: Nathan Beck

Drilling Fluids (type): n/a Report Form Completed by: Nathan Beck

Date Well Started: 4/28/2026 Date Well Finished: 4/28/2026 Date Form Completed: 5/6/2026

## ANNULAR SPACE DETAILS

Type of surface seal: Concrete

Type of annular sealant: Bentonite Grout

Installation method: Tremie Pipe

Setting time: 24+ Hours

Type of bentonite seal: Bentonite Pellets

Installation method: Free drop

Setting time: 30+ minutes

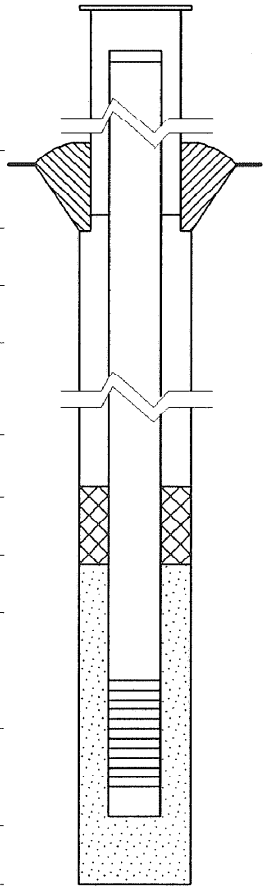
Type of sand pack: Quartz Sand

Grain size: 20/40 (sieve size)

Installation method: Free drop

Type of backfill material: n/a (if applicable)

Installation method: n/a



| ELEVATION (MSL)® | DEPTH (BGS)* | (0.01 ft) |
|---|---|---|
| 555.70 | -2.39 | Top of Protective Casing |
| 555.62 | -2.31 | Top of Riser Pipe |
| 553.31 | 0.00 | Ground Surface |
| 551.31 | 2.00 | Top of Annular Sealant |
| | | Static Water Level Measured on (after completion) |
| 509.51 | 43.80 | Top of Seal |
| 507.31 | 46.00 | Top of Sandpack |
| 505.57 | 47.74 | Top of Screen |
| 495.87 | 57.44 | Bottom of Screen |
| 495.31 | 58.00 | Bottom of Well |
| 495.31 | 58.00 | Bottom of Borehole |

® Referenced to a National Geodetic Vertical Datum
* positive (+) values below GS, negitive (-) values above GS

## WELL CONSTRUCTION MATERIALS

| | |
|---|---|
| Protective Casing | Annodized Alumium |
| Riser Pipe Above W.T. | PVC |
| Riser Pipe Below W.T. | PVC |
| Screen | Prepacked PVC |

## CASING MEASUREMENTS

| | |
|---|---|
| Diameter of Borehole (in) | 8.25 |
| ID of Riser Pipe (in) | 2.00 |
| Protective Casing Length (ft) | 5.00 |
| Riser Pipe Length (ft) | 50.05 |
| Bottom of Screen to End Cap (ft) | 0.56 |
| Screen Length (1st slot to last slot) (ft) | 9.70 |
| Total Length of Casing (ft) | 60.31 |
| Screen Slot Size* | 0.01 (#10) |

*Hand-slotted well screens are unacceptable.

**Illinois Environmental Protection Agency** — **Well Completion Report**

Site Number: 1678250020 County: Sangamon

Site Name: FGDS Development Landfill Well #: AW-1

State Plane Coordinate: X ____ Y ____ (or) Latitude: ___ ___ ___ Longitude: ___ ___ ___ Borehole #: AW-1

N 4512.2 E 2030.49

Surveyed by: David Mihelsic IL Registration #: 3762

Drilling Contractor: Reynolds Drilling Corp. Driller: Andrew Rachford

Consulting Firm: Rapps Engineering & Applied Science Geologist: Ken Miller

Drilling Method: HSA Drilling Fluid (Type): NA

Logged By: Ken Miller Date Started: 12/29/08 Date Finished: 12/30/08

Report Form Completed By: Ken Miller Date: 5/18/09

## ANNULAR SPACE DETAILS

Type of Surface Seal: Cement

Type of Annular Sealant: Bentonite Grout

Installation Method: Tremie

Setting Time: >24 hrs

Type of Bentonite Seal - - Granular, (Pellet), Slurry (Choose One)

Installation Method: Poured

Setting Time: 20 hrs

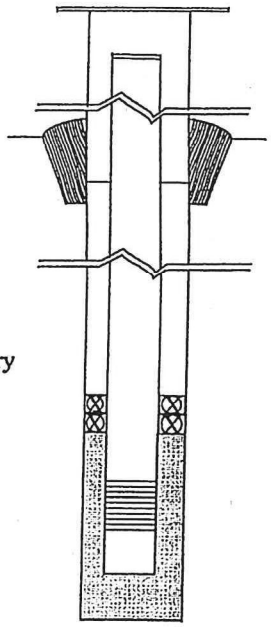
Type of Sand Pack: Quartz Sand

Grain Size: 50 (Sieve Size)

Installation Method: Poured

Type of Backfill Material: (if applicable)

Installation Method:



| Elevations (MSL)* | Depths (BGS) | (.01ft.) |
|---|---|---|
| ____ | ____ | Top of Protective Casing |
| 555.60 | -2.75 | Top of Riser Pipe |
| 552.85 | 0 | Ground Surface |
| 549.85 | 3.00 | Top of Annular Sealant |
| ____ | ____ | Static Water Level (After Completion) |
| 513.90 | 38.95 | Top of Seal |
| 510.90 | 41.95 | Top of Sand Pack |
| 508.90 | 43.95 | Top of Screen |
| 498.90 | 53.95 | Bottom of Screen |
| 498.51 | 54.34 | Bottom of Well |
| 498.51 | 54.34 | Bottom of Borehole |

* Referenced to a National Geodetic Datum

### WELL CONSTRUCTION MATERIAL

(Choose one type of material for each area)

| | |
|---|---|
| Protective Casing | SS304, SS316, PTFE, PVC, or (Other) |
| Riser Pipe Above W.T. | SS304, SS316, PTFE, (PVC), or Other |
| Riser Pipe Below W.T. | SS304, SS316, PTFE, (PVC), or Other |
| Screen | SS304, SS316, PTFE, (PVC), or Other |

### CASING MEASURMENTS

| | |
|---|---|
| Diameter of Borehole (inches) | 8.25 |
| ID of Riser Pipe (inches) | 2 |
| Protective Casing Length (feet) | 5 |
| Riser Pipe Length (feet) | 46.70 |
| Bottom of Screen to End Cap (feet) | 0.4 |
| Screen Length (1st slot to last slot) (feet) | 10 |
| Total Length of Casing (feet) | 57.09 |
| Screen Slot Size ** | 0.010 |

**Hand-Slotted Well Screens are Unacceptable

**Illinois Environmental Protection Agency** — **Well Completion Report**

Site Number: 1678250020 County: Sangamon

Site Name: FGDS Development Landfill Well #: AW-2

State Plane Coordinate: X ____ Y ____ (or) Latitude: ° ' " ____ Longitude: ° ' " Borehole #: AW-2

N 5480.91 E 2361.46

Surveyed by: David Mihelsic IL Registration #: 3762

Drilling Contractor: Reynolds Drilling Corp. Driller: Kerry Doetzel

Consulting Firm: Rapps Engineering & Applied Science Geologist: Ken Miller

Drilling Method: HSA Drilling Fluid (Type): NA

Logged By: Ken Miller Date Started: 1/2/09 Date Finished: 1/2/09

Report Form Completed By: Ken Miller Date: 5/18/09

## ANNULAR SPACE DETAILS

Type of Surface Seal: Cement

Type of Annular Sealant: Bentonite Chips

Installation Method: Poured

Setting Time: >24 hrs

Type of Bentonite Seal - - Granular, (Pellet), Slurry (Choose One)

Installation Method: Poured

Setting Time: >24 hrs

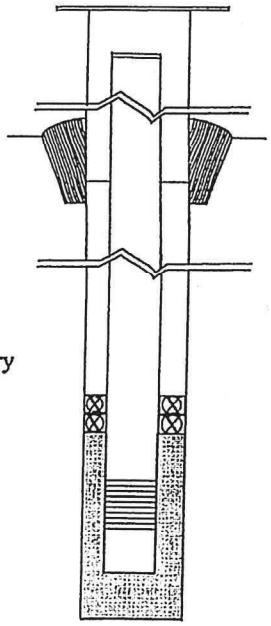
Type of Sand Pack: Quartz Sand

Grain Size: 50 (Sieve Size)

Installation Method: Poured

Type of Backfill Material: (if applicable)

Installation Method:



| Elevations (MSL)* | Depths (BGS) | (.01ft.) |
|---|---|---|
| ____ | ____ | Top of Protective Casing |
| 529.98 | -3.30 | Top of Riser Pipe |
| 526.68 | 0 | Ground Surface |
| 523.68 | 3.00 | Top of Annular Sealant |
| ____ | ____ | Static Water Level (After Completion) |
| 509.86 | 16.82 | Top of Seal |
| 506.86 | 19.82 | Top of Sand Pack |
| 504.86 | 21.82 | Top of Screen |
| 494.86 | 31.82 | Bottom of Screen |
| 494.46 | 32.22 | Bottom of Well |
| 494.46 | 32.22 | Bottom of Borehole |

* Referenced to a National Geodetic Datum

### WELL CONSTRUCTION MATERIAL

(Choose one type of material for each area)

| | |
|---|---|
| Protective Casing | SS304, SS316, PTFE, PVC, or (Other) |
| Riser Pipe Above W.T. | SS304, SS316, PTFE, (PVC), or Other |
| Riser Pipe Below W.T. | SS304, SS316, PTFE, (PVC), or Other |
| Screen | SS304, SS316, PTFE, (PVC), or Other |

### CASING MEASURMENTS

| | |
|---|---|
| Diameter of Borehole (inches) | 8.25 |
| ID of Riser Pipe (inches) | 2 |
| Protective Casing Length (feet) | 5 |
| Riser Pipe Length (feet) | 25.12 |
| Bottom of Screen to End Cap (feet) | 0.4 |
| Screen Length (1st slot to last slot) (feet) | 10 |
| Total Length of Casing (feet) | 35.52 |
| Screen Slot Size ** | 0.010 |

**Hand-Slotted Well Screens are Unacceptable

**Illinois Environmental Protection Agency** **Well Completion Report**

Site Number: _____ County: Sangamon

Site Name: City Water, Light & Power (CWLP) Ash Ponds Well #: TW3N / RW-3

State Plane Coordinate: X _____ Y _____ (or) Latitude: ____ ____ ____ Longitude: ____ ____ ____ Borehole #: TW3N

Surveyed by: _____ IL Registration #: _____

Drilling Contractor: Bulldog Drilling, Inc. Driller: J. Gates

Consulting Firm: Andrews Engineering, Inc. Geologist: D. Ghosh

Drilling Method: CME 55 w/ 4.25" HSA Drilling Fluid (Type): none

Logged By: D. Ghosh Date Started: 6/26/17 Date Finished: 6/27/17

Report Form Completed By: M. Hewitt Date: 9/18/17

## ANNULAR SPACE DETAILS

Type of Surface Seal: Bentonite Grout

Type of Annular Sealant: Bentonite Grout

Installation Method: Tremi

Setting Time: 24 hours

Type of Bentonite Seal - - Granular, Pellet, Slurry (Choose One)

Installation Method: Free drop

Setting Time: N/A

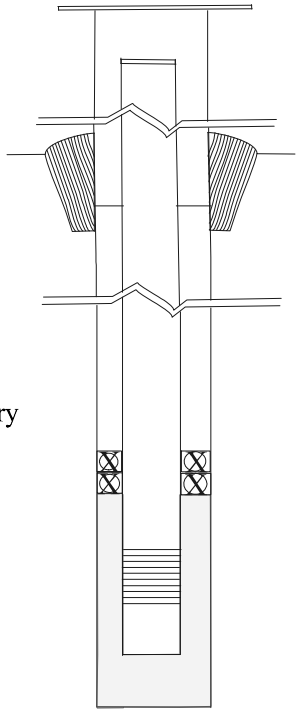
Type of Sand Pack: Silica Sand

Grain Size: 10/20 (Sieve Size)

Installation Method: Free Drop

Type of Backfill Material: None (if applicable)

Installation Method: N/A



| Elevations (MSL)* | Depths (BGS) | (.01ft.) |
|---|---|---|
| _____ | _____ | Top of Protective Casing |
| 539.5 | -2.5 | Top of Riser Pipe |
| 536.8 | 0 | Ground Surface |
| 533.8 | 3 | Top of Annular Sealant |
| 528.09 | 8.71 | Static Water Level (After Completion) |
| 509.8 | 27 | Top of Seal |
| 507.2 | 29.6 | Top of Sand Pack |
| 505.66 | 31.14 | Top of Screen |
| 496.08 | 40.72 | Bottom of Screen |
| 495.4 | 41.4 | Bottom of Well |
| 495.2 | 41.6 | Bottom of Borehole |

* Referenced to a National Geodetic Datum

### WELL CONSTRUCTION MATERIAL

(Choose one type of material for each area)

| | |
|---|---|
| Protective Casing | SS304, SS316, PTFE, PVC, or Other |
| Riser Pipe Above W.T. | SS304, SS316, PTFE, PVC, or Other |
| Riser Pipe Below W.T. | SS304, SS316, PTFE, PVC, or Other |
| Screen | SS304, SS316, PTFE, PVC, or Other |

### CASING MEASURMENTS

| | |
|---|---|
| Diameter of Borehole (inches) | 8.25 |
| ID of Riser Pipe (inches) | 2.049 |
| Protective Casing Length (feet) | |
| Riser Pipe Length (feet) | 33.84 |
| Bottom of Screen to End Cap (feet) | 0.68 |
| Screen Length (1st slot to last slot) (feet) | 9.58 |
| Total Length of Casing (feet) | 44.1 |
| Screen Slot Size ** | 0.01 |

**Hand-Slotted Well Screens are Unacceptable

Illinois Environmental Protection Agency — Well Completion Report

Site #: 1678250020 County: Sangamon Well #: G-110

Site Name: FGDS Landfill/ City Water, Light and Power Grid Coordinate: Northing 3728.6 Easting 2315.7

Drilling Contractor: AE Exploration Corporation Date Drilled Start: 07/12/93

Driller: M. Moore Geologist: B. Hunsberger Date Completed: 07/12/93

Drilling Method: Hollow Stem Auger Drilling Fluids (type): None

## Annular Space Details

Type of Surface Seal: Concrete

Type of Annular Sealant: Cement/Bentonite

Amount of cement: # of bags 8 lbs. per bag 94

Amount of bentonite: # of bags 1 lbs. per bag 50

Type of Bentonite Seal (Granular, Pellet): Grout

Amount of bentonite: # of Bags 1 lbs. per bag 50

Type of Sand Pack: #10-20 Silica Sand

Source of Sand: Best Environmental - Chardon, OH

Amount of Sand: # of bags 10 lbs. per bag 50

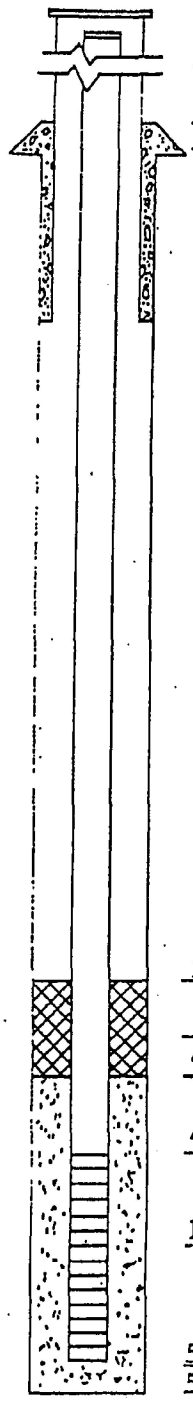
## Well Construction Materials

| | Stainless Steel Specify Type | Teflon Specify Type | PVC Specify Type | Other Specify Type |
|---|---|---|---|---|
| Riser coupling joint | Flush | | | |
| Riser pipe above w.t. | 304 | | | |
| Riser pipe below w.t. | 304 | | | |
| Screen | 304 | | | |
| Coupling joint screen to riser | Flush | | | |
| Protective casing | | | | Steel |

## Measurements

to .01 ft. (where applicable)

| | |
|---|---|
| Riser pipe length | 47.11' |
| Protective casing length | 5.0' |
| Screen length | 10.0' |
| Bottom of screen to end cap | 0.21 |
| Top of screen to first joint | 0.065 |
| Total length of casing | 57.11' |
| Screen slot size | .01" |
| # of openings in screen | --- |
| Diameter of borehole (in) | 8.0" |
| Diameter riser pipe (in) | 2.0" |



## Elevations — .01 ft.

| | | |
|---|---|---|
| 557 | 20 | MSL Top of Protective Casing |
| 557 | 11 | MSL Top of Riser Pipe |
| 2 | 61 | ft. Casing Stickup |
| 554 | 50 | MSL Ground Surface |
| 3 | 0 | ft. Top of annular sealant |
| 37 | 0 | ft. Top of Seal |
| 5 | 0 | ft. Total Seal Interval |
| 42 | 0 | ft. Top of Sand |
| 44 | 5 | ft. Top of Screen |
| 10 | 0 | ft. Total Screen Interval |
| 54 | 5 | ft. Bottom of Screen |
| 59 | 5 | ft. Bottom of Borehole |

Completed by: Brad Hunsberger Surveyed by: City Water, Light and Power Rich Davis Ill. registration #: 2098

**Illinois Environmental Protection Agency** — **Well Completion Report**

Site Number: 1678250020 County: Sangamon

Site Name: City Water Light & Power Landfill Well #: R111

State Plane Coordinate: X E2456708.31 Y N1129507.08 (or) Latitude: ° ' " Longitude: ° ' " Borehole #: R111

Surveyed by: IL Registration #:

Drilling Contractor: SKS Engineers, Inc. Driller: D. Baldwin

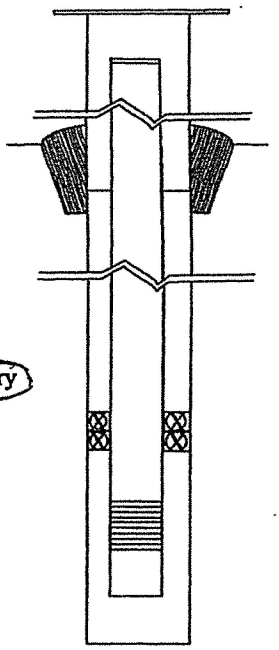
Consulting Firm: Geologist: N/A

Drilling Method: Hollow Stem Auger Drilling Fluid (Type): None

Logged By: D. Baldwin (SKS Engineers, Inc.) Date Started: 5/26/09 Date Finished; 5/29/09

Report Form Completed By: D. Baldwin Date: 7/2/09

## ANNULAR SPACE DETAILS



| | Elevations (MSL)* | Depths (BGS) | (.01ft.) |
|---|---|---|---|
| | 552.69 | 0.0 | Top of Protective Casing |
| | 552.39 | .30 | Top of Riser Pipe |
| | 552.69 | 0.0 | Ground Surface |
| | 549.69 | 3.0 | Top of Annular Sealant |
| | | | Static Water Level (After Completion) |
| | 549.69 | 3.0 | Top of Seal |
| | 502.59 | 50.1 | Top of Sand Pack |
| | 501.49 | 51.2 | Top of Screen |
| | 495.89 | 56.8 | Bottom of Screen |
| | 495.59 | 57.1 | Bottom of Well |
| | 495.59 | 57.1 | Bottom of Borehole |

* Referenced to a National Geodetic Datum

Type of Surface Seal: Concrete

Type of Annular Sealant: Bentonite

Installation Method: Slurry

Setting Time:

Type of Bentonite Seal - - Granular, Pellet, (Slurry) (Choose One)

Installation Method: Tremie

Setting Time:

Type of Sand Pack: Quartz Sand

Grain Size: 1020 (Sieve Size)

Installation Method: Free Drop

Type of Backfill Material: (if applicable)

Installation Method:

### WELL CONSTRUCTION MATERIAL

(Choose one type of material for each area)

| | |
|---|---|
| Protective Casing | SS304, SS316, PTFE, PVC, or (Other) |
| Riser Pipe Above W.T. | SS304, SS316, PTFE, (PVC) or Other |
| Riser Pipe Below W.T. | (SS304), SS316, PTFE, PVC, or Other |
| Screen | (SS304), SS316, PTFE, PVC, or Other |

### CASING MEASURMENTS

| | |
|---|---|
| Diameter of Borehole (inches) | 8 |
| ID of Riser Pipe (inches) | 2 |
| Protective Casing Length (feet) | Flush Mount |
| Riser Pipe Length (feet) | 51.2 |
| Bottom of Screen to End Cap (feet) | .31 |
| Screen Length (1st slot to last slot) (feet) | 4.72 |
| Total Length of Casing (feet) | 56.8 |
| Screen Slot Size ** | .010 |

**Hand-Slotted Well Screens are Unacceptable

Illinois Environmental Protection Agency — Well Completion Report

Site #: 1678250020 County: Sangamon Well #: G-112

Site Name: City Water, Light & Power Grid Coordinate: Northing 4450.9 Easting 2560.6

Drilling Contractor: AE Exploration Corporation Date Drilled Start: July 21, 1993

Driller: A. Weisenhofer Geologist: R. Hasenyager Date Completed: July 23, 1993

Drilling Method: Hollow Stem Auger Drilling Fluids (type): N/A

## Annular Space Details

Type of Surface Seal: Concrete

Type of Annular Sealant: Cement/Bentonite

Amount of cement: # of bags 8 lbs. per bag 94

Amount of bentonite: # of bags 1/2 lbs. per bag 50

Type of Bentonite Seal (Granular, Pellet): Bentonite Grout

Amount of bentonite: # of Bags 1/2 lbs. per bag 50

Type of Sand Pack: Quartz Sand (1020)

Source of Sand: Best Sand

Amount of Sand: # of bags 6 lbs. per bag 50

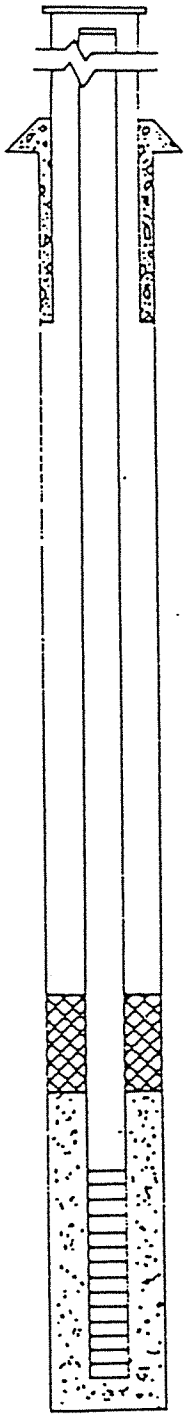
## Well Construction Materials

| | Stainless Steel Specify Type | Teflon Specify Type | PVC Specify Type | Other Specify Type |
|---|---|---|---|---|
| Riser coupling joint | 304 | | Sch 40 | |
| Riser pipe above w.t. | | | Sch 40 | |
| Riser pipe below w.t. | 304 | | | |
| Screen | 304 | | | |
| Coupling joint screen to riser | 304 | | | |
| Protective casing | | | | Steel |

## Measurements

to .01 ft. (where applicable)

| | |
|---|---|
| Riser pipe length | 54.81 feet |
| Protective casing length | 5.0 feet |
| Screen length | 4.73 feet |
| Bottom of screen to end cap | 0.29 feet |
| Top of screen to first joint | 0.21 feet |
| Total length of casing | 60.04 feet |
| Screen slot size | 0.01 inches |
| # of openings in screen | |
| Diameter of borehole (in) | 8.0 inches |
| ID of riser pipe (in) | 2.0 inches |



Elevations — .01 ft.

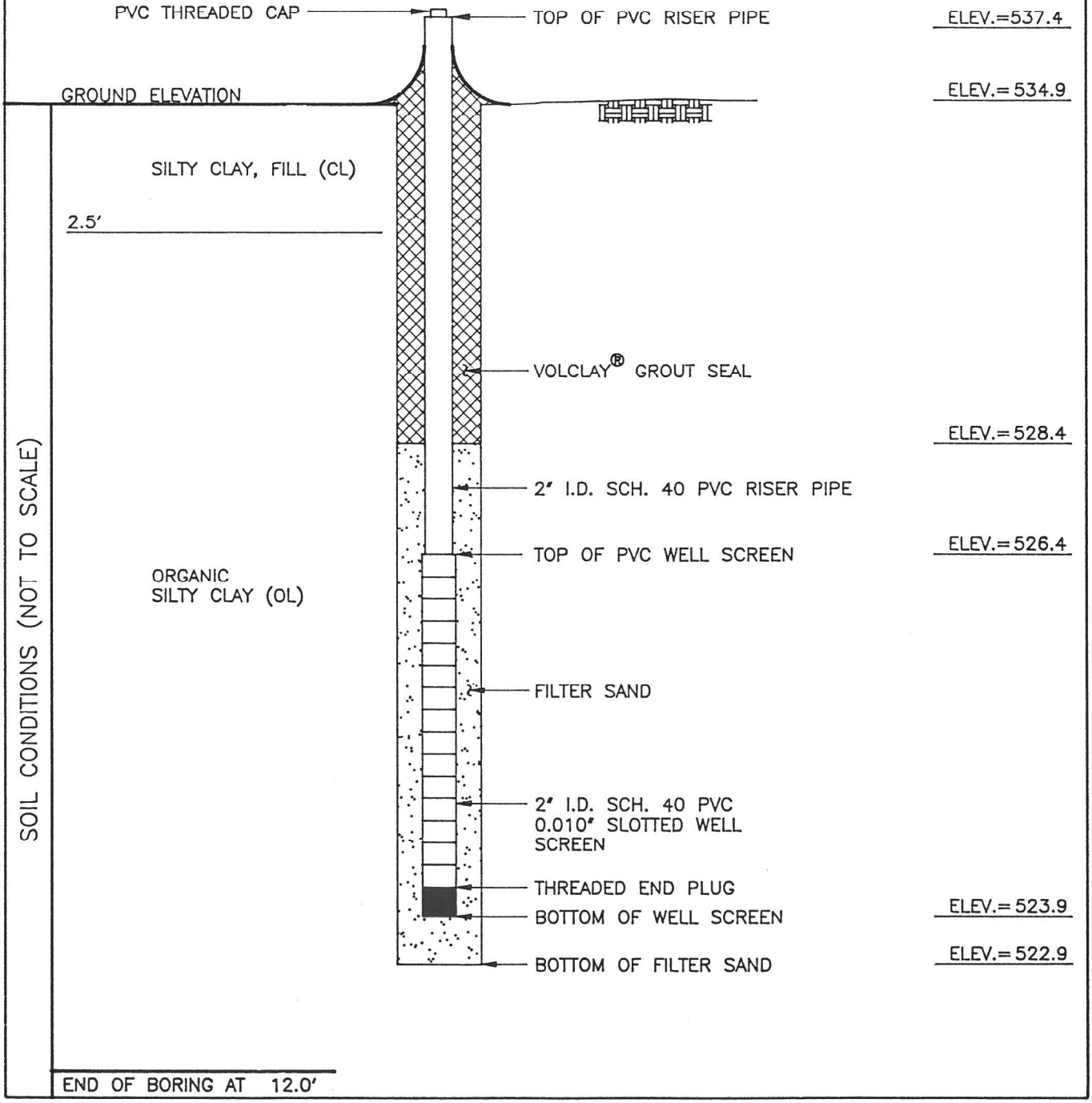
| | | |
|---|---|---|
| 555 | .06 | MSL Top of Protective Casing |
| 554 | .88 | MSL Top of Riser Pipe |
| 2 | .18 | ft. Casing Stickup |
| 552 | .7 | MSL Ground Surface |
| 4 | .10 | ft. Top of annular sealant |
| 46 | .10 | ft. Top of Seal |
| 5 | .07 | ft. Total Seal Interval |
| 51 | .17 | ft. Top of Sand |
| 52 | .78 | ft. Top of Screen |
| 4 | .73 | ft. Total Screen Interval |
| 57 | .51 | ft. Bottom of Screen |
| 57 | .80 | ft. Bottom of Borehole |

Completed by: Rhonald Hasenyager Surveyed by: CUUP - Rich Davis Ill. registration # 2098

| PATRICK ENGINEERING INC. | PIEZOMETER INSTALLATION REPORT | PIEZ. NO. P-5S/ R113<br>PROJ. NO. 496B |
|---|---|---|

PROJECT FGDS LANDFILL
LOCATION SPRINGFIELD, ILLINOIS
CLIENT CWL&P
ENGINEER KRISHNA REDDY
DRILLER KEVIN SHAMWAY

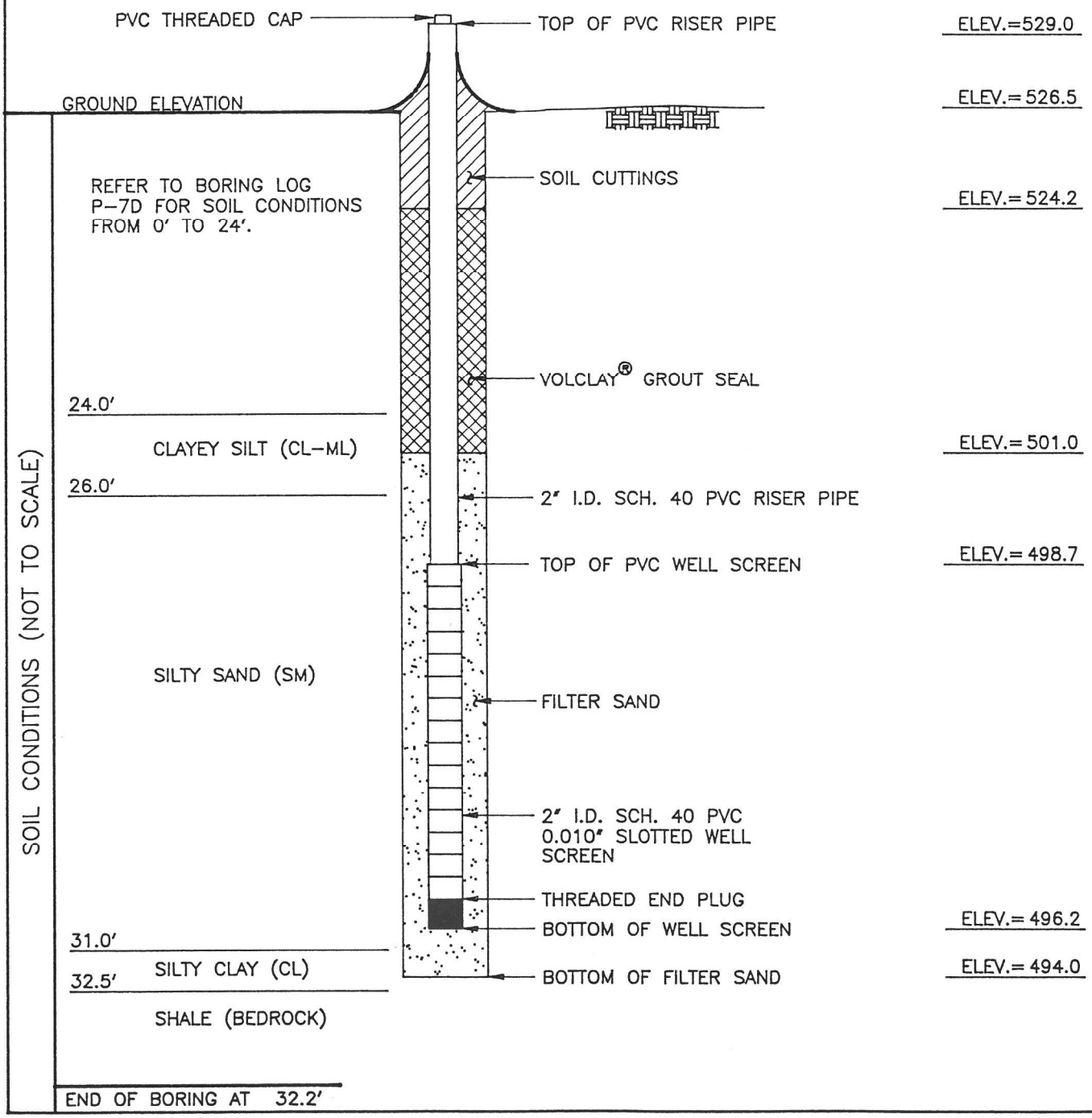
BORING NO. P-5S
LOCATION N 4510.7
E 2887.0
INSTALLATION DATE 8/16/92
WEATHER SUNNY, 70'S



| PATRICK ENGINEERING INC. | PIEZOMETER INSTALLATION REPORT | PIEZ. NO. P-7D<br>PROJ. NO. 496B |
|---|---|---|

PROJECT FGDS LANDFILL
LOCATION SPRINGFIELD, ILLINOIS
CLIENT CWL&P
ENGINEER KRISHNA REDDY
DRILLER KEVIN SHAMWAY

BORING NO. P-7D
LOCATION N 5345.8
E 2429.5
INSTALLATION DATE 7/30/92
WEATHER RAIN, WARM, 80'S



Illinois Environmental Protection Agency — Well Completion Report

Site #: 1678250020 County: Sangamon Well #: R-101

Site Name: CWLP - Ash Disposal Facility Grid Coordinate: Northing 623.22 Easting 1426.13

Drilling Contractor: Professional Service Industries, Inc. Date Drilled Start: January 15, 1990

Driller: B. Williamson Geologist: -- Date Completed: January 15, 199

Drilling Method: Hollow Stem Auger - 3¼" I.D. Drilling Fluids (type): None

## Annular Space Details

Type of Surface Seal: Concrete

Type of Annular Sealant: Cement/Bentonite Grout

Amount of cement: # of bags 3 lbs. per bag 94

Amount of bentonite: # of bags 0.1 lbs. per bag 50

Type of Bentonite Seal (Granular, Pellet): Pellet

Amount of bentonite: # of Bags 0.8 lbs. per bag 50

Type of Sand Pack: Silica Sand (Marco-Sandblasting)

Source of Sand: Henry Nelch & Son Co., Springfield, IL

Amount of Sand: # of bags 1.8 lbs. per bag 100

## Well Construction Materials

| | Stainless Steel Specify Type | Teflon Specify Type | PVC Specify Type | Other Specify Type |
|---|---|---|---|---|
| Riser coupling joint | | | -- | |
| Riser pipe above w.t. | | | 2" | |
| Riser pipe below w.t. | | | 2" | |
| Screen | | | 2" | |
| Coupling joint screen to riser | | | -- | |
| Protective casing | | | | 6"X5' Steel |

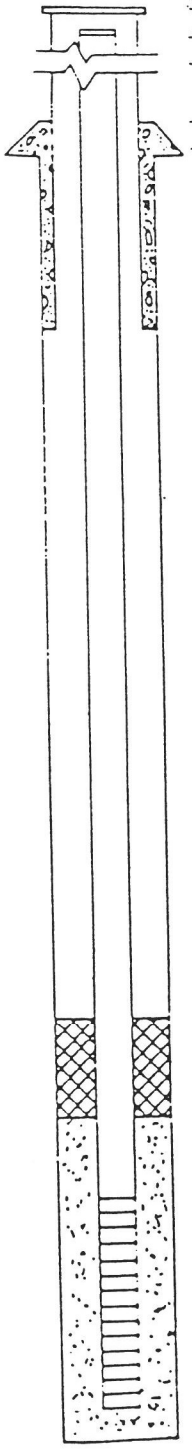
## Measurements

to .01 ft. (where applicable)

| | |
|---|---|
| Riser pipe length | 31.6' |
| Protective casing length | 5' |
| Screen length | 6' |
| Bottom of screen to end cap | 0.3' |
| Top of screen to first joint | 0.3' |
| Total length of casing | 37.6' |
| Screen slot size | 0.010 |
| % of openings in screen | -- |
| Diameter of borehole (in) | 6 |
| ID of riser pipe (in) | 2 |

Elevations — .01 ft.

| | | |
|---|---|---|
| 546 | 83 | MSL Top of Protective Casing |
| 546 | 68 | MSL Top of Riser Pipe |
| | +2.9 | ft. Casing Stickup |
| 543 | 78 | MSL Ground Surface |
| | -3.1 | ft. Top of annular sealant |
| | -21.3 | ft. Top of Seal |
| | 2.8 | ft. Total Seal Interval |
| | -24.1 | ft. Top of Sand |
| | -25.8 | ft. Top of Screen |
| | 6.0 | ft. Total Screen Interval |
| | -31.8 | ft. Bottom of Screen |
| | -34.0 | ft. Bottom of Borehole |



Completed by: Surveyed by: Ill. registration #

Illinois Environmental Protection Agency — Well Completion Report

Site #: 1678250020 County: Sangamon Well #: G-105 / G120

Site Name: CWLP - Ash Disposal Facility Grid Coordinate. Northing: 1641.61 Easting: 610.10

Drilling Contractor: Professional Service Industries, Inc. Date Drilled Start: January 9, 1990

Driller: B. Williamson Geologist: -- Date Completed: January 16, 19 (Re-Drilled w/4¼" I.D.)

Drilling Method: Hollow Stem Auger - 3¼" I.D & 4¼" I.D Drilling Fluids (type): None

## Annular Space Details

Type of Surface Seal: Concrete

Type of Annular Sealant: Cement/Bentonite Grout

Amount of cement: # of bags 6 lbs. per bag 94

Amount of bentonite: # of bags 0.2 lbs. per bag 50

Type of Bentonite Seal (Granular, Pellet): Pellet

Amount of bentonite: # of Bags 0.5 lbs. per bag 50

Type of Sand Pack: Silica Sand (Marco-Sandblasting)

Source of Sand: Henry Nelch & Son Co., Springfield, IL

Amount of Sand: # of bags 1.8 lbs. per bag 100

## Well Construction Materials

| | Stainless Steel Specify Type | Teflon Specify Type | PVC Specify Type | Other Specify Type |
|---|---|---|---|---|
| Riser coupling joint | | | -- | |
| Riser pipe above w.t. | | | 2" | |
| Riser pipe below w.t. | | | 2" | |
| Screen | | | 2" | |
| Coupling joint screen to riser | | | -- | |
| Protective casing | | | | 6"X5' Steel |

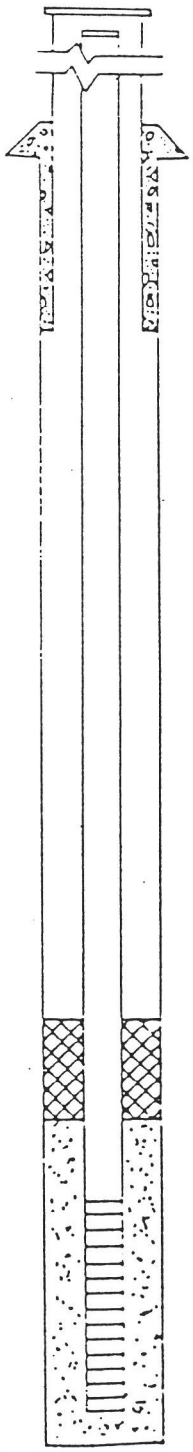
## Measurements

to .01 ft. (where applicable)

| | |
|---|---|
| Riser pipe length | 43.9 |
| Protective casing length | Flush Mount |
| Screen length | 6' |
| Bottom of screen to end cap | 0.3' |
| Top of screen to first joint | 0.3' |
| Total length of casing | 49.9 |
| Screen slot size | 0.010 |
| # of openings in screen | -- |
| Diameter of borehole (in) | 8 |
| ID of riser pipe (in) | 2 |

Elevations — .01 ft.

| | | |
|---|---|---|
| 553 | 49 | MSL Top of Protective Cas |
| 553 | 25 | MSL Top of Riser Pipe |
| | ±0.1 | ft. Casing Stickup |
| 553 | 49 | MSL Ground Surface |
| | -2.9 | ft. Top of annular sealant |
| | -40.5 | ft. Top of Seal |
| | 2.0 | ft. Total Seal Interval |
| | -42.5 | ft. Top of Sand |
| | -43.8 | ft. Top of Screen |
| | 6.0 | ft. Total Screen Interval |
| | -49.8 | ft. Bottom of Screen |
| | -53.0 | ft. Bottom of Borehole |



Completed by: Surveyed by: Ill. registration #

# Illinois Environmental Protection Agency — Well Completion Report

Site #: 1678250020 County: Sangamon Well #: G121

Site Name: City Water, Light & Power – FGDS Development Borehole #: B96-1

Coordinates: X 2,481.5 Y 5,615.9 (or) Latitude: ° ' " Longitude: ° ' "

Surveyed by: Richard Davis, City Water, Light & Power IL Registration #: LS-2098

Drilling Contractor: AE Exploration Corp. Consulting Firm: Andrews Environmental Engineering, Inc.

Driller: A. Wiesenhofer Geologist: R. Hasenyager

Drilling Method: Hollow stem auger Logged by: R. Hasenyager

Drilling Fluids (type): n/a Report Form Completed by: R. Hasenyager

Date Well Started: 05/16/96 Date Well Finished: 05/16/96 Date Form Completed: 07/12/96

## ANNULAR SPACE DETAILS

Type of surface seal: Concrete

Type of annular sealant: High-solids bentonite

Installation method: Tremi

Setting time: 24+ hours

Type of bentonite seal – *Ganular*, Pellet, Slurry (circle one)

Installation method: Free drop

Setting time: 70 minutes

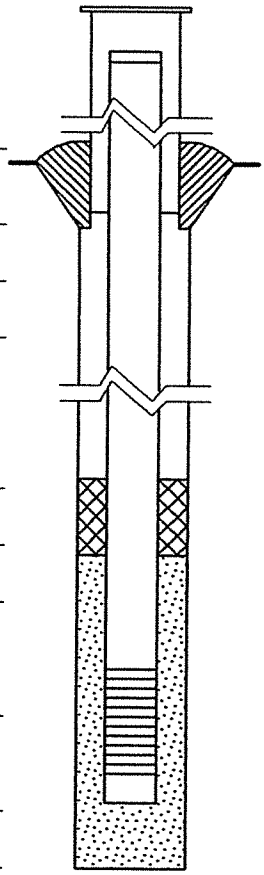
Type of sand pack: Quartz sand

Grain size: 10/20 (sieve size)

Installation method: Free drop

Type of backfill material: n/a (if applicable)

Installation method: n/a



| ELEVATION (MSL)* | DEPTH (BGS)* | (0.01 ft) |
|---|---|---|
| 556.04 | -2.24 | Top of Protective Casing |
| 555.67 | -1.87 | Top of Riser Pipe |
| 553.80 | .00 | Ground Surface |
| 552.30 | 1.50 | Top of Annular Sealant |
| 528.55 | 25.25 | Static Water Level Measured on 5/24/96 (after completion) |
| 506.60 | 47.20 | Top of Seal |
| 504.00 | 49.80 | Top of Sandpack |
| 501.93 | 51.87 | Top of Screen |
| 497.96 | 55.84 | Bottom of Screen |
| 496.86 | 56.94 | Bottom of Well |
| 497.10 | 56.70 | Bottom of Borehole |

* Referenced to a National Geodetic Vertical Datum
* positive (+) values below GS, negitive (–) values above GS

NOTES:

## WELL CONSTRUCTION MATERIALS (circle one)

| | |
|---|---|
| Protective Casing | SS304, SS316, PTFE, PVC or *Other: Steel* |
| Riser Pipe Above W.T. | SS304, SS316, PTFE, *PVC* or Other: |
| Riser Pipe Below W.T. | SS304, SS316, PTFE, *PVC* or Other: |
| Screen | SS304, SS316, PTFE, *PVC* or Other: |

(AE950315)

## CASING MEASUREMENTS

| | |
|---|---|
| Diameter of Borehole (in) | 8.0 |
| ID of Riser Pipe (in) | 2.0 |
| Protective Casing Length (ft) | 5.0 |
| Riser Pipe Length (ft) | 53.74 |
| Bottom of Screen to End Cap (ft) | 1.10 |
| Screen Length [1st slot to last slot] (ft) | 3.97 |
| Total Length of Casing (ft) | 58.81 |
| Screen Slot Size‡ | #10 (0.01") |

‡Hand-slotted well screens are unacceptable.

# Illinois Environmental Protection Agency — Well Completion Report

Site #: 1678250020 County: Sangamon Well #: G122

Site Name: City Water, Light & Power – FGDS Development Borehole #: B96-2

Coordinates: X 2,305.1 Y 5,613.2 (or) Latitude: ° ' " Longitude: ° ' "

Surveyed by: Richard Davis, City Water, Light & Power IL Registration #: LS-2098

Drilling Contractor: AE Exploration Corp. Consulting Firm: Andrews Environmental Engineering, Inc.

Driller: A. Wiesenhofer Geologist: R. Hasenyager

Drilling Method: Hollow stem auger Logged by: R. Hasenyager

Drilling Fluids (type): n/a Report Form Completed by: R. Hasenyager

Date Well Started: 05/20/96 Date Well Finished: 05/20/96 Date Form Completed: 07/12/96

## ANNULAR SPACE DETAILS

Type of surface seal: Concrete

Type of annular sealant: High-solids bentonite

Installation method: Tremi

Setting time: 24+ hours

Type of bentonite seal – ***Ganular***, Pellet, Slurry (circle one)

Installation method: Free drop

Setting time: 45 minutes

Type of sand pack: Quartz sand/formation sand

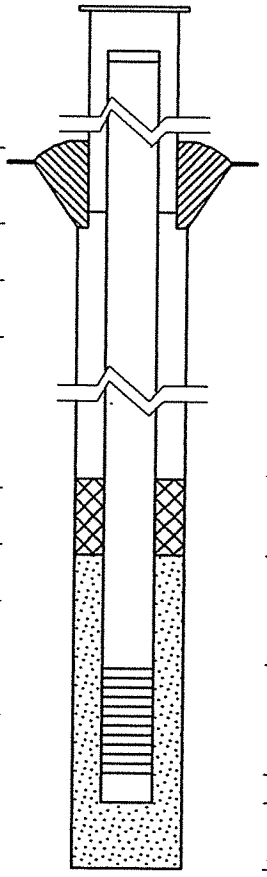
Grain size: 10/20 (sieve size)

Installation method: Free drop

Type of backfill material: n/a (if applicable)

Installation method: n/a

NOTES:



| ELEVATION (MSL)* | DEPTH (BGS)* (0.01 ft) | |
|---|---|---|
| 554.87 | -2.17 | Top of Protective Casing |
| 554.44 | -1.74 | Top of Riser Pipe |
| 552.70 | .00 | Ground Surface |
| 551.70 | 1.00 | Top of Annular Sealant |
| 526.51 | 26.19 | Static Water Level Measured on 5/24/96 (after completion) |
| 507.20 | 45.50 | Top of Seal |
| 504.90 | 47.80 | Top of Sandpack |
| 501.07 | 51.63 | Top of Screen |
| 497.10 | 55.60 | Bottom of Screen |
| 496.00 | 56.70 | Bottom of Well |
| 494.00 | 58.70 | Bottom of Borehole |

* Referenced to a National Geodetic Vertical Datum
◆ positive (+) values below GS, negitive (–) values above GS

## WELL CONSTRUCTION MATERIALS (circle one)

| | |
|---|---|
| Protective Casing | SS304, SS316, PTFE, PVC or ***Other: Steel*** |
| Riser Pipe Above W.T. | SS304, SS316, PTFE, ***PVC*** or Other: |
| Riser Pipe Below W.T. | SS304, SS316, PTFE, ***PVC*** or Other: |
| Screen | SS304, SS316, PTFE, ***PVC*** or Other: |

## CASING MEASUREMENTS

| | |
|---|---|
| Diameter of Borehole (in) | 8.0 |
| ID of Riser Pipe (in) | 2.0 |
| Protective Casing Length (ft) | 5.0 |
| Riser Pipe Length (ft) | 53.37 |
| Bottom of Screen to End Cap (ft) | 1.10 |
| Screen Length [1st slot to last slot] (ft) | 3.97 |
| Total Length of Casing (ft) | 58.44 |
| Screen Slot Size‡ | #10 (0.01") |

‡Hand-slotted well screens are unacceptable.

(AE950315)

# APPENDIX C:
## WELL DEVELOPMENT RECORDS

ANDREWS ENGINEERING

# Well Development Form

**Site:** CWLP **Well No.:** AW-4

**Well Condition:** Pristine

**Depth to Water:**

Depth: 17.61 ft. from m.p. Date: 5/20/2026 Time: 1:30

**Well Volume Calculations:** [PVC = 0.162 gal/ft; SS = 0.205 gal/ft]

Bottom of Well: 56.67 ft. from m.p. Water volume in well: 6.32 gallons

Bailers needed [or Pump minutes] = 5 well vols. NA

## Information:

**Personnel:**

Technician 1: Nathan Beck Technician 2:

Observer(s): Company: Andrews Engineering

**Weather Information:**

Ambient Air Temperature: 60's °F. Approximate Wind Direction & Velocity: 10 mph north

General weather conditions: partly cloudy

**Stabilization Test:**

| No. | Time | Temp (in °C) | pH (in units) | Conductance (in umhos/cm) | Pump Rate (mL/min) | DO (%) | ORP (mV) | DTW (ft below m.p.) | Turbidity (NTU) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0:02 | 15.6 | 7.48 | 1570 | 200 | 44.1 | 9.4 | 18.21 | 0.75 |
| 2 | 0:16 | 15.3 | 7.07 | 1568 | 200 | 26.1 | 33.5 | 18.57 | 1.39 |
| 3 | 0:29 | 15.3 | 6.99 | 1570 | 200 | 11.6 | -43.6 | 18.62 | 4.15 |
| 4 | 0:42 | 15.2 | 6.93 | 1584 | 200 | 4.5 | -125.6 | 18.68 | 1.19 |
| 5 | 0:55 | 15.3 | 6.92 | 1584 | 200 | 2.5 | -135.9 | 18.76 | 0.83 |
| 6 | 1:09 | 15.2 | 6.92 | 1587 | 200 | 1.9 | -142.7 | 18.79 | 0.54 |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |

Notes: A peristaltic pump was used for development, the depth of the tubing was approximately 1 foot above the bottom of the the well in the screen zone.

ANDREWS ENGINEERING

# Well Development Form

**Site:** CWLP **Well No.:** AP-17

**Well Condition:** Pristine

**Depth to Water:**

Depth: 28.18 ft. from m.p. Date: 5/20/2026 Time: 10:00

**Well Volume Calculations:** [PVC = 0.162 gal/ft; SS = 0.205 gal/ft]

Bottom of Well: 58.00 ft. from m.p. Water volume in well: 4.83 gallons

Bailers needed [or Pump minutes] = 5 well vols. NA

## Information:

**Personnel:**

Technician 1: Nathan Beck Technician 2:

Observer(s): Eric Staley Company: Andrews Engineering

**Weather Information:**

Ambient Air Temperature: 58 °F. Approximate Wind Direction & Velocity: 10 mph, northerly

General weather conditions: cloudy

**Stabilization Test:**

| No. | Time | Temp (in °C) | pH (in units) | Conductance (in umhos/cm) | Pump Rate (mL/min) | DO (%) | ORP (mV) | DTW (ft below m.p.) | Turbidity (NTU) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0:02 | 14.2 | 6.99 | 922 | 200 | 12.7 | 29.7 | 28.5 | 9.32 |
| 2 | 0:12 | 14.4 | 6.95 | 914 | 200 | 5.0 | -28.8 | 31.04 | 9.45 |
| 3 | 0:25 | 14.6 | 6.94 | 918 | 200 | 3.9 | -31.4 | 31.33 | 8.69 |
| 4 | 0:37 | 14.7 | 6.93 | 920 | 200 | 2.6 | -31.5 | 31.34 | 8.40 |
| 5 | 0:51 | 14.9 | 6.91 | 921 | 200 | 3.0 | -32.7 | 31.34 | 8.23 |
| 6 | 1:08 | 15.0 | 6.91 | 919 | 200 | 3.3 | -58.9 | 31.33 | 6.05 |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |

Notes: A peristaltic pump was used for development, the depth of the tubing was approximately 1 foot above the bottom of the well in the screen zone

ANDREWS ENGINEERING

# Well Development Form

**Site:** CWLP **Well No.:** AW-5

**Well Condition:** Pristine

**Depth to Water:**

Depth: 22.44 ft. from m.p. Date: 5/20/2026 Time: 12:00

**Well Volume Calculations:** [PVC = 0.162 gal/ft; SS = 0.205 gal/ft]

Bottom of Well: 59.06 ft. from m.p. Water volume in well: 5.85 gallons

Bailers needed [or Pump minutes] = 5 well vols. NA

## Information:

**Personnel:**

Technician 1: Nathan Beck Technician 2:

Observer(s): Eric Staley Company: Andrews Engineering

**Weather Information:**

Ambient Air Temperature: 60's °F. Approximate Wind Direction & Velocity: 10mph north

General weather conditions: partly cloudy

**Stabilization Test:**

| No. | Time | Temp (in °C) | pH (in units) | Conductance (in umhos/cm) | Pump Rate (mL/min) | DO (%) | ORP (mV) | DTW (ft below m.p.) | Turbidity (NTU) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0:02 | 15.9 | 7.48 | 1013 | 200 | 23.8 | 26.8 | 23.03 | 1.82 |
| 2 | 0:16 | 15.1 | 7.36 | 1005 | 200 | 11.3 | 31.2 | 23.14 | 0.62 |
| 3 | 0:30 | 15.2 | 7.32 | 1007 | 200 | 5.7 | -33.3 | 23.31 | 0.34 |
| 4 | 0:44 | 15.2 | 7.02 | 1037 | 200 | 2.4 | -126.2 | 23.35 | 0.27 |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |

Notes: A peristaltic pump was used for development, the depth of the tubing was approximately 1 foot above the bottom of the well in the screen zone

ANDREWS ENGINEERING

# Well Development Form

**Site:** CWLP **Well No.:** AW-6

**Well Condition:** Pristine

**Depth to Water:**

Depth: 2.01 ft. from m.p. Date: 5/20/2026 Time: 3:00

**Well Volume Calculations:** [PVC = 0.162 gal/ft; SS = 0.205 gal/ft]

Bottom of Well: 33.44 ft. from m.p. Water volume in well: 5.09 gallons

Bailers needed [or Pump minutes] = 5 well vols. NA

## Information:

**Personnel:**

Technician 1: Nathan Beck Technician 2:

Observer(s): Eric Staley Company: Andrews Engineering

**Weather Information:**

Ambient Air Temperature: 65 °F. Approximate Wind Direction & Velocity: 10 mph breezy

General weather conditions: Partly cloudy

**Stabilization Test:**

| No. | Time | Temp (in °C) | pH (in units) | Conductance (in umhos/cm) | Pump Rate (mL/min) | DO (%) | ORP (mV) | DTW (ft below m.p.) | Turbidity (NTU) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0:02 | 12.4 | 6.87 | 2009 | 200 | 32.8 | -107.1 | 2.61 | 4.46 |
| 2 | 0:17 | 12.2 | 6.96 | 2007 | 200 | 3.1 | -133.7 | 2.81 | 3.63 |
| 3 | 0:32 | 12.5 | 6.97 | 20067 | 200 | 1.4 | -133.1 | 2.84 | 1.19 |
| 4 | 0:45 | 12.5 | 6.98 | 2061 | 200 | 1.1 | -169.6 | 2.89 | 1.88 |
| 5 | 0:58 | 12.5 | 6.97 | 2064 | 200 | 0.6 | -175.5 | 2.90 | 0.86 |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |

Notes: A peristaltic pump was used for development, the depth of the tubing was approximately 1 foot above the bottom of the well in the screen zone

# APPENDIX D:
## LABORATORY ANALYTICAL REPORTS

January 13, 2026

Eric Staley
City Water, Light & Power
3100 Stevenson Drive
2nd Floor Maintenance Building
Springfield, IL 62712
TEL: (217) 757-8610
FAX: (217) 757-8615

| | |
|---|---|
| Illinois | 100226 |
| Kansas | E-10374 |
| Kansas | E-10438 |
| Louisiana | 05002 |
| Louisiana | 05003 |
| Oklahoma | 9978 |

**RE:** Ash Pond Monitoring Wells **WorkOrder:** 25110404

Dear Eric Staley:

TEKLAB, INC received 22 samples on 11/13/2025 4:30:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004
SHennessy@teklabinc.com

# Report Contents

http://www.teklabinc.com/

**Client:** City Water, Light & Power
**Client Project:** Ash Pond Monitoring Wells

**Work Order:** 25110404
**Report Date:** 13-Jan-26

**This reporting package includes the following:**


| | |
|---|---|
| Cover Letter | 1 |
| Report Contents | 2 |
| Definitions | 3 |
| Case Narrative | 5 |
| Accreditations | 6 |
| Laboratory Results | 7 |
| Receiving Check List | 34 |
| Chain of Custody | Appended |

**Client:** City Water, Light & Power **Work Order:** 25110404

**Client Project:** Ash Pond Monitoring Wells **Report Date:** 13-Jan-26

## Abbr Definition

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

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26

## Qualifiers

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

# Case Narrative

http://www.teklabinc.com/

**Client:** City Water, Light & Power
**Client Project:** Ash Pond Monitoring Wells

**Work Order:** 25110404
**Report Date:** 13-Jan-26

**Cooler Receipt Temp:** 17.5 °C

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

A15S and A15D are not required this quarter per Eric Staley. SAH 11/12/25

Radium-226 & -228 analysis was performed by Alliance Technical Group. See attached report for results.

## Locations


### Collinsville

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

### Collinsville

**Address** 120 United Drive
Collinsville, IL 62234-7433
**Phone** (618) 344-1004
**Fax**
**Email** jhriley@teklabinc.com

### Springfield

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

### Kansas City

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

### Collinsville Air

**Address** 120 United Drive
Collinsville, IL 62234-7425
**Phone** (618) 344-1004
**Fax** (618) 344-1005
**Email** EHurley@teklabinc.com

### Chicago

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

**Client:** City Water, Light & Power

**Client Project:** Ash Pond Monitoring Wells

**Work Order:** 25110404

**Report Date:** 13-Jan-26

| State | Dept | Cert # | NELAP | Exp Date | Lab |
|---|---|---|---|---|---|
| Illinois | IEPA | 100226 | NELAP | 1/31/2027 | Collinsville |
| Kansas | KDHE | E-10374 | NELAP | 4/30/2026 | Collinsville |
| Kansas | KDHE | E-10438 | NELAP | 7/31/2026 | Collinsville |
| Louisiana | LDEQ | 05002 | NELAP | 6/30/2026 | Collinsville |
| Louisiana | LDEQ | 05003 | NELAP | 6/30/2026 | Collinsville |
| Oklahoma | ODEQ | 9978 | NELAP | 1/31/2026 | Collinsville |
| Arkansas | ADEQ | 88-0966 | | 3/14/2026 | Collinsville |
| Illinois | IDPH | 17584 | | 5/31/2026 | Collinsville |
| Iowa | IDNR | 430 | | 6/1/2026 | Collinsville |
| Kentucky | KWLCP | KY98050 | | 12/31/2026 | Collinsville |
| Kentucky | KWLCP | KY98006 | | 12/31/2026 | Collinsville |
| Kentucky | UST | 0073 | | 1/31/2026 | Collinsville |
| Mississippi | MSDH | | | 4/30/2026 | Collinsville |
| Missouri | MDNR | 930 | | 1/31/2028 | Collinsville |
| Missouri | MDNR | 00930 | | 10/31/2026 | Collinsville |

**Client:** City Water, Light & Power **Work Order:** 25110404

**Client Project:** Ash Pond Monitoring Wells **Report Date:** 13-Jan-26

**Lab ID:** 25110404-001 **Client Sample ID:** RW-3

**Matrix:** GROUNDWATER **Collection Date:** 11/12/2025 13:56

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **495.49** | ft | 1 | 11/12/2025 13:56 | R374970 |
| Depth to water | * | -5.00 | | **10.78** | ft | 1 | 11/12/2025 13:56 | R374970 |
| Depth to water from measuring point | * | 0 | | **13.48** | ft | 1 | 11/12/2025 13:56 | R374970 |
| Elevation of groundwater surface | * | 0 | | **526.02** | ft | 1 | 11/12/2025 13:56 | R374970 |
| Measuring Point Elevation | * | 0 | | **539.50** | ft | 1 | 11/12/2025 13:56 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.70** | ft | 1 | 11/12/2025 13:56 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **130** | NTU | 1 | 11/12/2025 13:56 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **58.8** | °F | 1 | 11/12/2025 13:56 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **7.09** | | 1 | 11/12/2025 13:56 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **780** | µmhos/cm @25C | 1 | 11/12/2025 13:56 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **454** | mg/L | 1 | 11/17/2025 14:23 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/13/2025 16:25 | R374691 |
| Chloride | NELAP | 5.00 | | **27.1** | mg/L | 10 | 11/13/2025 16:25 | R374691 |
| Sulfate | NELAP | 10.0 | | **ND** | mg/L | 10 | 11/13/2025 16:25 | R374691 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **167** | µg/L | 1 | 11/18/2025 10:15 | 247867 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/18/2025 10:15 | 247867 |
| Boron | NELAP | 20.0 | | **160** | µg/L | 1 | 11/18/2025 10:15 | 247867 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/18/2025 10:15 | 247867 |
| Calcium | NELAP | 0.100 | B | **71.1** | mg/L | 1 | 11/18/2025 10:15 | 247867 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/18/2025 10:15 | 247867 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/18/2025 10:15 | 247867 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/18/2025 10:15 | 247867 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/18/2025 10:15 | 247867 |
| *Sample result(s) for Ca exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **3.9** | µg/L | 5 | 11/14/2025 19:26 | 247867 |
| Arsenic | NELAP | 1.0 | | **108** | µg/L | 5 | 11/13/2025 20:27 | 247867 |
| Lithium | * | 3.0 | | **5.7** | µg/L | 5 | 11/14/2025 19:26 | 247867 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/13/2025 20:27 | 247867 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/14/2025 19:26 | 247867 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/14/2025 19:04 | 247892 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.38** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.080** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 11:20 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-001
**Client Sample ID:** RW-3
**Matrix:** GROUNDWATER
**Collection Date:** 11/12/2025 13:56

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Radium-228 Uncertainty | * | 0 | | **0.30** | +/- | 1 | 01/02/2026 11:20 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-002
**Client Sample ID:** AP-1
**Matrix:** GROUNDWATER
**Collection Date:** 11/13/2025 14:25

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **504.29** | ft | 1 | 11/13/2025 14:25 | R374970 |
| Depth to water | * | -5.00 | | **9.62** | ft | 1 | 11/13/2025 14:25 | R374970 |
| Depth to water from measuring point | * | 0 | | **11.89** | ft | 1 | 11/13/2025 14:25 | R374970 |
| Elevation of groundwater surface | * | 0 | | **523.48** | ft | 1 | 11/13/2025 14:25 | R374970 |
| Measuring Point Elevation | * | 0 | | **535.37** | ft | 1 | 11/13/2025 14:25 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.27** | ft | 1 | 11/13/2025 14:25 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **15** | NTU | 1 | 11/13/2025 14:25 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **60.6** | °F | 1 | 11/13/2025 14:25 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **4.86** | | 1 | 11/13/2025 14:25 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **2140** | µmhos/cm @25C | 1 | 11/13/2025 14:25 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1590** | mg/L | 1 | 11/18/2025 10:51 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/16/2025 21:25 | R374783 |
| Chloride | NELAP | 5.00 | | **51.8** | mg/L | 10 | 11/16/2025 21:25 | R374783 |
| Sulfate | NELAP | 10.0 | | **828** | mg/L | 10 | 11/16/2025 21:25 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **248** | µg/L | 1 | 11/17/2025 11:59 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 11:59 | 247986 |
| Boron | NELAP | 200 | | **21400** | µg/L | 10 | 11/19/2025 16:50 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 11:59 | 247986 |
| Calcium | NELAP | 0.100 | | **251** | mg/L | 1 | 11/17/2025 11:59 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 11:59 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 11:59 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 11:59 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 11:59 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 3:39 | 247986 |
| Arsenic | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 3:39 | 247986 |
| Lithium | * | 3.0 | | **8.6** | µg/L | 5 | 11/18/2025 13:43 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 3:39 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 13:43 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 14:06 | 247982 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.44** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.10** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 11:20 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.34** | +/- | 1 | 01/02/2026 11:20 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-003
**Client Sample ID:** AP-2
**Matrix:** GROUNDWATER
**Collection Date:** 11/12/2025 13:54

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **514.77** | ft | 1 | 11/12/2025 13:54 | R374970 |
| Depth to water | * | -5.00 | | **7.12** | ft | 1 | 11/12/2025 13:54 | R374970 |
| Depth to water from measuring point | * | 0 | | **9.62** | ft | 1 | 11/12/2025 13:54 | R374970 |
| Elevation of groundwater surface | * | 0 | | **526.48** | ft | 1 | 11/12/2025 13:54 | R374970 |
| Measuring Point Elevation | * | 0 | | **536.10** | ft | 1 | 11/12/2025 13:54 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.50** | ft | 1 | 11/12/2025 13:54 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **20** | NTU | 1 | 11/12/2025 13:54 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **61.6** | °F | 1 | 11/12/2025 13:54 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **4.55** | | 1 | 11/12/2025 13:54 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1740** | µmhos/cm @25C | 1 | 11/12/2025 13:54 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1190** | mg/L | 1 | 11/17/2025 14:23 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/13/2025 16:38 | R374691 |
| Chloride | NELAP | 5.00 | | **37.0** | mg/L | 10 | 11/13/2025 16:38 | R374691 |
| Sulfate | NELAP | 10.0 | | **389** | mg/L | 10 | 11/13/2025 16:38 | R374691 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **74.9** | µg/L | 1 | 11/18/2025 10:17 | 247867 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/18/2025 10:17 | 247867 |
| Boron | NELAP | 20.0 | | **3150** | µg/L | 1 | 11/18/2025 10:17 | 247867 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/18/2025 10:17 | 247867 |
| Calcium | NELAP | 0.100 | B | **213** | mg/L | 1 | 11/18/2025 10:17 | 247867 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/18/2025 10:17 | 247867 |
| Cobalt | NELAP | 5.0 | | **7.8** | µg/L | 1 | 11/18/2025 10:17 | 247867 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/18/2025 10:17 | 247867 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/18/2025 10:17 | 247867 |
| *Sample result(s) for Ca exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **2.1** | µg/L | 5 | 11/14/2025 19:32 | 247867 |
| Arsenic | NELAP | 1.0 | | **1.4** | µg/L | 5 | 11/13/2025 20:32 | 247867 |
| Lithium | * | 3.0 | | **6.1** | µg/L | 5 | 11/14/2025 19:32 | 247867 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/13/2025 20:32 | 247867 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/14/2025 19:32 | 247867 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/14/2025 19:06 | 247892 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.38** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.080** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 11:20 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-003
**Client Sample ID:** AP-2
**Matrix:** GROUNDWATER
**Collection Date:** 11/12/2025 13:54

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Radium-228 Uncertainty | * | 0 | | **0.30** | +/- | 1 | 01/02/2026 11:20 | R377439 |

**Client:** City Water, Light & Power **Work Order:** 25110404

**Client Project:** Ash Pond Monitoring Wells **Report Date:** 13-Jan-26

**Lab ID:** 25110404-004 **Client Sample ID:** AP-3

**Matrix:** GROUNDWATER **Collection Date:** 11/12/2025 13:17

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **514.45** | ft | 1 | 11/12/2025 13:17 | R374970 |
| Depth to water | * | -5.00 | | **7.33** | ft | 1 | 11/12/2025 13:17 | R374970 |
| Depth to water from measuring point | * | 0 | | **9.88** | ft | 1 | 11/12/2025 13:17 | R374970 |
| Elevation of groundwater surface | * | 0 | | **525.37** | ft | 1 | 11/12/2025 13:17 | R374970 |
| Measuring Point Elevation | * | 0 | | **535.25** | ft | 1 | 11/12/2025 13:17 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.55** | ft | 1 | 11/12/2025 13:17 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **6.1** | NTU | 1 | 11/12/2025 13:17 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **62.9** | °F | 1 | 11/12/2025 13:17 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **4.93** | | 1 | 11/12/2025 13:17 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1740** | µmhos/cm @25C | 1 | 11/12/2025 13:17 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1310** | mg/L | 1 | 11/17/2025 14:23 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/13/2025 16:50 | R374691 |
| Chloride | NELAP | 5.00 | | **70.8** | mg/L | 10 | 11/13/2025 16:50 | R374691 |
| Sulfate | NELAP | 10.0 | | **588** | mg/L | 10 | 11/13/2025 16:50 | R374691 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **117** | µg/L | 1 | 11/18/2025 10:46 | 247867 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/18/2025 10:46 | 247867 |
| Boron | NELAP | 20.0 | | **18000** | µg/L | 1 | 11/18/2025 10:46 | 247867 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/18/2025 10:46 | 247867 |
| Calcium | NELAP | 0.100 | B | **192** | mg/L | 1 | 11/18/2025 10:46 | 247867 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/18/2025 10:46 | 247867 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/18/2025 10:46 | 247867 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/18/2025 10:46 | 247867 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/18/2025 10:46 | 247867 |
| *Sample result(s) for Ca exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **1.5** | µg/L | 5 | 11/14/2025 19:37 | 247867 |
| Arsenic | NELAP | 1.0 | | **13.5** | µg/L | 5 | 11/13/2025 20:38 | 247867 |
| Lithium | * | 3.0 | | **6.2** | µg/L | 5 | 11/14/2025 19:37 | 247867 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/13/2025 20:38 | 247867 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/14/2025 19:37 | 247867 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/14/2025 19:13 | 247892 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.40** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.070** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 11:20 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-004
**Client Sample ID:** AP-3
**Matrix:** GROUNDWATER
**Collection Date:** 11/12/2025 13:17

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Radium-228 Uncertainty | * | 0 | | **0.33** | +/- | 1 | 01/02/2026 11:20 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-005
**Client Sample ID:** AP-4
**Matrix:** GROUNDWATER
**Collection Date:** 11/13/2025 13:43

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **495.19** | ft | 1 | 11/13/2025 13:43 | R374970 |
| Depth to water | * | -5.00 | | **9.80** | ft | 1 | 11/13/2025 13:43 | R374970 |
| Depth to water from measuring point | * | 0 | | **12.94** | ft | 1 | 11/13/2025 13:43 | R374970 |
| Elevation of groundwater surface | * | 0 | | **542.66** | ft | 1 | 11/13/2025 13:43 | R374970 |
| Measuring Point Elevation | * | 0 | | **555.60** | ft | 1 | 11/13/2025 13:43 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **3.14** | ft | 1 | 11/13/2025 13:43 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **62** | NTU | 1 | 11/13/2025 13:43 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **64.0** | °F | 1 | 11/13/2025 13:43 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.76** | | 1 | 11/13/2025 13:43 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **914** | µmhos/cm @25C | 1 | 11/13/2025 13:43 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **532** | mg/L | 1 | 11/18/2025 10:51 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/16/2025 21:37 | R374783 |
| Chloride | NELAP | 5.00 | | **12.8** | mg/L | 10 | 11/16/2025 21:37 | R374783 |
| Sulfate | NELAP | 10.0 | | **ND** | mg/L | 10 | 11/16/2025 21:37 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **417** | µg/L | 1 | 11/17/2025 11:59 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 11:59 | 247986 |
| Boron | NELAP | 20.0 | | **91.4** | µg/L | 1 | 11/17/2025 11:59 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 11:59 | 247986 |
| Calcium | NELAP | 0.100 | | **128** | mg/L | 1 | 11/17/2025 11:59 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 11:59 | 247986 |
| Cobalt | NELAP | 5.0 | | **6.7** | µg/L | 1 | 11/20/2025 15:22 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 11:59 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 11:59 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 3:44 | 247986 |
| Arsenic | NELAP | 1.0 | | **21.9** | µg/L | 5 | 11/18/2025 3:44 | 247986 |
| Lithium | * | 3.0 | | **9.0** | µg/L | 5 | 11/18/2025 13:49 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 3:44 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 13:49 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 14:08 | 247982 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.47** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.13** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 11:20 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.34** | +/- | 1 | 01/02/2026 11:20 | R377439 |

**Client:** City Water, Light & Power **Work Order:** 25110404

**Client Project:** Ash Pond Monitoring Wells **Report Date:** 13-Jan-26

**Lab ID:** 25110404-006 **Client Sample ID:** AP-5

**Matrix:** GROUNDWATER **Collection Date:** 11/13/2025 13:04

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **552.63** | ft | 1 | 11/13/2025 13:04 | R374970 |
| Depth to water | * | -5.00 | | **18.32** | ft | 1 | 11/13/2025 13:04 | R374970 |
| Depth to water from measuring point | * | 0 | | **20.62** | ft | 1 | 11/13/2025 13:04 | R374970 |
| Elevation of groundwater surface | * | 0 | | **563.28** | ft | 1 | 11/13/2025 13:04 | R374970 |
| Measuring Point Elevation | * | 0 | | **583.90** | ft | 1 | 11/13/2025 13:04 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.30** | ft | 1 | 11/13/2025 13:04 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **1.9** | NTU | 1 | 11/13/2025 13:04 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **58.6** | °F | 1 | 11/13/2025 13:04 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.83** | | 1 | 11/13/2025 13:04 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **788** | µmhos/cm @25C | 1 | 11/13/2025 13:04 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **498** | mg/L | 1 | 11/18/2025 10:51 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/16/2025 21:50 | R374783 |
| Chloride | NELAP | 5.00 | | **9.78** | mg/L | 10 | 11/16/2025 21:50 | R374783 |
| Sulfate | NELAP | 10.0 | | **70.9** | mg/L | 10 | 11/16/2025 21:50 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **60.4** | µg/L | 1 | 11/17/2025 12:00 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 12:00 | 247986 |
| Boron | NELAP | 20.0 | | **38.6** | µg/L | 1 | 11/17/2025 12:00 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 12:00 | 247986 |
| Calcium | NELAP | 0.100 | | **109** | mg/L | 1 | 11/17/2025 12:00 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 12:00 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 12:00 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 12:00 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 12:00 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 3:50 | 247986 |
| Arsenic | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 3:50 | 247986 |
| Lithium | * | 3.0 | | **4.1** | µg/L | 5 | 11/18/2025 13:54 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 3:50 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 13:54 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 14:11 | 247982 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.37** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.040** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 11:20 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.33** | +/- | 1 | 01/02/2026 11:20 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-007
**Client Sample ID:** AP-6
**Matrix:** GROUNDWATER
**Collection Date:** 11/13/2025 12:58

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **498.20** | ft | 1 | 11/13/2025 12:58 | R374970 |
| Depth to water | * | -5.00 | | **8.91** | ft | 1 | 11/13/2025 12:58 | R374970 |
| Depth to water from measuring point | * | 0 | | **11.33** | ft | 1 | 11/13/2025 12:58 | R374970 |
| Elevation of groundwater surface | * | 0 | | **526.49** | ft | 1 | 11/13/2025 12:58 | R374970 |
| Measuring Point Elevation | * | 0 | | **537.82** | ft | 1 | 11/13/2025 12:58 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.42** | ft | 1 | 11/13/2025 12:58 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **2.6** | NTU | 1 | 11/13/2025 12:58 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **61.6** | °F | 1 | 11/13/2025 12:58 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **7.06** | | 1 | 11/13/2025 12:58 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **737** | µmhos/cm @25C | 1 | 11/13/2025 12:58 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **450** | mg/L | 1 | 11/18/2025 11:02 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **0.53** | mg/L | 10 | 11/16/2025 22:28 | R374783 |
| Chloride | NELAP | 5.00 | | **38.0** | mg/L | 10 | 11/16/2025 22:28 | R374783 |
| Sulfate | NELAP | 10.0 | | **ND** | mg/L | 10 | 11/16/2025 22:28 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **199** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| Boron | NELAP | 20.0 | | **272** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| Calcium | NELAP | 0.100 | | **69.8** | mg/L | 1 | 11/17/2025 15:58 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 3:55 | 247986 |
| Arsenic | NELAP | 1.0 | | **11.2** | µg/L | 5 | 11/18/2025 3:55 | 247986 |
| Lithium | * | 3.0 | | **7.5** | µg/L | 5 | 11/18/2025 14:00 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 3:55 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 14:00 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 14:13 | 247982 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.41** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.070** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 11:20 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.34** | +/- | 1 | 01/02/2026 11:20 | R377439 |

**Client:** City Water, Light & Power **Work Order:** 25110404

**Client Project:** Ash Pond Monitoring Wells **Report Date:** 13-Jan-26

**Lab ID:** 25110404-008 **Client Sample ID:** AP-7

**Matrix:** GROUNDWATER **Collection Date:** 11/13/2025 12:19

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **496.50** | ft | 1 | 11/13/2025 12:19 | R374970 |
| Depth to water | * | -5.00 | | **11.26** | ft | 1 | 11/13/2025 12:19 | R374970 |
| Depth to water from measuring point | * | 0 | | **13.92** | ft | 1 | 11/13/2025 12:19 | R374970 |
| Elevation of groundwater surface | * | 0 | | **525.10** | ft | 1 | 11/13/2025 12:19 | R374970 |
| Measuring Point Elevation | * | 0 | | **539.02** | ft | 1 | 11/13/2025 12:19 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.66** | ft | 1 | 11/13/2025 12:19 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **59** | NTU | 1 | 11/13/2025 12:19 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **56.4** | °F | 1 | 11/13/2025 12:19 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **7.06** | | 1 | 11/13/2025 12:19 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **903** | µmhos/cm @25C | 1 | 11/13/2025 12:19 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **522** | mg/L | 1 | 11/18/2025 11:03 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **0.53** | mg/L | 10 | 11/16/2025 22:41 | R374783 |
| Chloride | NELAP | 5.00 | | **88.5** | mg/L | 10 | 11/16/2025 22:41 | R374783 |
| Sulfate | NELAP | 10.0 | | **ND** | mg/L | 10 | 11/16/2025 22:41 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **152** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| Boron | NELAP | 20.0 | | **475** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| Calcium | NELAP | 0.100 | S | **55.9** | mg/L | 1 | 11/17/2025 15:58 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 15:58 | 247986 |
| *Matrix spike control limits for CA are not applicable due to high sample/spike ratio.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 5:25 | 247986 |
| Arsenic | NELAP | 1.0 | | **18.2** | µg/L | 5 | 11/18/2025 5:25 | 247986 |
| Lithium | * | 3.0 | | **10.3** | µg/L | 5 | 11/18/2025 13:04 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 5:25 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 13:04 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 14:15 | 247982 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.41** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.070** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 11:20 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-008
**Client Sample ID:** AP-7
**Matrix:** GROUNDWATER
**Collection Date:** 11/13/2025 12:19

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Radium-228 Uncertainty | * | 0 | | **0.34** | +/- | 1 | 01/02/2026 11:20 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-009
**Client Sample ID:** AP-8
**Matrix:** GROUNDWATER
**Collection Date:** 11/13/2025 13:53

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **497.60** | ft | 1 | 11/13/2025 13:53 | R374970 |
| Depth to water | * | -5.00 | | **6.58** | ft | 1 | 11/13/2025 13:53 | R374970 |
| Depth to water from measuring point | * | 0 | | **9.48** | ft | 1 | 11/13/2025 13:53 | R374970 |
| Elevation of groundwater surface | * | 0 | | **527.72** | ft | 1 | 11/13/2025 13:53 | R374970 |
| Measuring Point Elevation | * | 0 | | **537.20** | ft | 1 | 11/13/2025 13:53 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.90** | ft | 1 | 11/13/2025 13:53 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **13** | NTU | 1 | 11/13/2025 13:53 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **60.7** | °F | 1 | 11/13/2025 13:53 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.11** | | 1 | 11/13/2025 13:53 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1160** | µmhos/cm @25C | 1 | 11/13/2025 13:53 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **550** | mg/L | 1 | 11/18/2025 11:03 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/16/2025 22:53 | R374783 |
| Chloride | NELAP | 5.00 | | **24.2** | mg/L | 10 | 11/16/2025 22:53 | R374783 |
| Sulfate | NELAP | 10.0 | | **ND** | mg/L | 10 | 11/16/2025 22:53 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **373** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| Boron | NELAP | 20.0 | | **82.1** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| Calcium | NELAP | 0.100 | | **103** | mg/L | 1 | 11/17/2025 16:01 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 4:41 | 247986 |
| Arsenic | NELAP | 1.0 | | **37.2** | µg/L | 5 | 11/18/2025 4:41 | 247986 |
| Lithium | * | 3.0 | | **6.5** | µg/L | 5 | 11/18/2025 14:05 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 4:41 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 14:05 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 14:18 | 247982 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.59** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 | * | 1.0 | | **1.4** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.16** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 11:20 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.43** | +/- | 1 | 01/02/2026 11:20 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-010
**Client Sample ID:** AP-9
**Matrix:** GROUNDWATER
**Collection Date:** 11/13/2025 9:38

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **500.70** | ft | 1 | 11/13/2025 9:38 | R374970 |
| Depth to water | * | -5.00 | | **11.09** | ft | 1 | 11/13/2025 9:38 | R374970 |
| Depth to water from measuring point | * | 0 | | **14.19** | ft | 1 | 11/13/2025 9:38 | R374970 |
| Elevation of groundwater surface | * | 0 | | **526.11** | ft | 1 | 11/13/2025 9:38 | R374970 |
| Measuring Point Elevation | * | 0 | | **540.30** | ft | 1 | 11/13/2025 9:38 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **3.10** | ft | 1 | 11/13/2025 9:38 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **3.8** | NTU | 1 | 11/13/2025 9:38 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **58.0** | °F | 1 | 11/13/2025 9:38 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.57** | | 1 | 11/13/2025 9:38 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1070** | µmhos/cm @25C | 1 | 11/13/2025 9:38 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **614** | mg/L | 1 | 11/18/2025 11:03 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/16/2025 23:06 | R374783 |
| Chloride | NELAP | 5.00 | | **25.5** | mg/L | 10 | 11/16/2025 23:06 | R374783 |
| Sulfate | NELAP | 10.0 | | **15.5** | mg/L | 10 | 11/16/2025 23:06 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **437** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| Boron | NELAP | 20.0 | | **98.5** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| Calcium | NELAP | 0.100 | | **111** | mg/L | 1 | 11/17/2025 16:01 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 16:01 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 4:46 | 247986 |
| Arsenic | NELAP | 1.0 | | **1.6** | µg/L | 5 | 11/18/2025 4:46 | 247986 |
| Lithium | * | 3.0 | | **5.9** | µg/L | 5 | 11/18/2025 14:11 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 4:46 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 14:11 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 14:20 | 247982 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.42** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 12/19/2025 11:15 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.11** | +/- | 1 | 12/19/2025 11:15 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 11:20 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.31** | +/- | 1 | 01/02/2026 11:20 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-011
**Client Sample ID:** AP10
**Matrix:** GROUNDWATER
**Collection Date:** 11/12/2025 14:32

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **499.43** | ft | 1 | 11/12/2025 14:32 | R374970 |
| Depth to water | * | -5.00 | | **4.63** | ft | 1 | 11/12/2025 14:32 | R374970 |
| Depth to water from measuring point | * | 0 | | **7.73** | ft | 1 | 11/12/2025 14:32 | R374970 |
| Elevation of groundwater surface | * | 0 | | **529.77** | ft | 1 | 11/12/2025 14:32 | R374970 |
| Measuring Point Elevation | * | 0 | | **537.50** | ft | 1 | 11/12/2025 14:32 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **3.10** | ft | 1 | 11/12/2025 14:32 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **4.7** | NTU | 1 | 11/12/2025 14:32 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **58.8** | °F | 1 | 11/12/2025 14:32 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **5.37** | | 1 | 11/12/2025 14:32 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1470** | µmhos/cm @25C | 1 | 11/12/2025 14:32 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **834** | mg/L | 1 | 11/17/2025 14:38 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/13/2025 17:03 | R374691 |
| Chloride | NELAP | 5.00 | | **25.9** | mg/L | 10 | 11/13/2025 17:03 | R374691 |
| Sulfate | NELAP | 10.0 | | **90.8** | mg/L | 10 | 11/13/2025 17:03 | R374691 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **601** | µg/L | 1 | 11/18/2025 10:48 | 247867 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/18/2025 10:48 | 247867 |
| Boron | NELAP | 20.0 | | **3880** | µg/L | 1 | 11/18/2025 10:48 | 247867 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/18/2025 10:48 | 247867 |
| Calcium | NELAP | 0.100 | B | **141** | mg/L | 1 | 11/18/2025 10:48 | 247867 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/18/2025 10:48 | 247867 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/18/2025 10:48 | 247867 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/18/2025 10:48 | 247867 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/18/2025 10:48 | 247867 |
| *Sample result(s) for Ca exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **1.1** | µg/L | 5 | 11/14/2025 19:43 | 247867 |
| Arsenic | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/13/2025 20:44 | 247867 |
| Lithium | * | 3.0 | | **8.2** | µg/L | 5 | 11/14/2025 19:43 | 247867 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/13/2025 20:44 | 247867 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/14/2025 19:43 | 247867 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/14/2025 19:16 | 247892 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.55** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 | * | 1.0 | | **1.0** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.14** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 13:47 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-011
**Client Sample ID:** AP10
**Matrix:** GROUNDWATER
**Collection Date:** 11/12/2025 14:32

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Radium-228 Uncertainty | * | 0 | | **0.41** | +/- | 1 | 01/02/2026 13:47 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-012
**Client Sample ID:** AP11
**Matrix:** GROUNDWATER
**Collection Date:** 11/13/2025 9:40

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **515.15** | ft | 1 | 11/13/2025 9:40 | R374970 |
| Depth to water | * | -5.00 | | **12.78** | ft | 1 | 11/13/2025 9:40 | R374970 |
| Depth to water from measuring point | * | 0 | | **15.58** | ft | 1 | 11/13/2025 9:40 | R374970 |
| Elevation of groundwater surface | * | 0 | | **522.52** | ft | 1 | 11/13/2025 9:40 | R374970 |
| Measuring Point Elevation | * | 0 | | **538.10** | ft | 1 | 11/13/2025 9:40 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.80** | ft | 1 | 11/13/2025 9:40 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **8.4** | NTU | 1 | 11/13/2025 9:40 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **56.9** | °F | 1 | 11/13/2025 9:40 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **4.79** | | 1 | 11/13/2025 9:40 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1270** | µmhos/cm @25C | 1 | 11/13/2025 9:40 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **694** | mg/L | 1 | 11/18/2025 11:03 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/16/2025 23:18 | R374783 |
| Chloride | NELAP | 5.00 | | **113** | mg/L | 10 | 11/16/2025 23:18 | R374783 |
| Sulfate | NELAP | 10.0 | | **68.9** | mg/L | 10 | 11/16/2025 23:18 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **120** | µg/L | 1 | 11/17/2025 16:02 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 16:02 | 247986 |
| Boron | NELAP | 20.0 | | **276** | µg/L | 1 | 11/17/2025 16:02 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 16:02 | 247986 |
| Calcium | NELAP | 0.100 | | **133** | mg/L | 1 | 11/17/2025 16:02 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:02 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:02 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 16:02 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 16:02 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 4:52 | 247986 |
| Arsenic | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 4:52 | 247986 |
| Lithium | * | 3.0 | | **4.9** | µg/L | 5 | 11/18/2025 14:16 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 4:52 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 14:16 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 14:22 | 247982 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.34** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.050** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 13:47 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.29** | +/- | 1 | 01/02/2026 13:47 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-013
**Client Sample ID:** AP12
**Matrix:** GROUNDWATER
**Collection Date:** 11/13/2025 11:04

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **510.30** | ft | 1 | 11/13/2025 11:04 | R374970 |
| Depth to water | * | -5.00 | | **15.34** | ft | 1 | 11/13/2025 11:04 | R374970 |
| Depth to water from measuring point | * | 0 | | **18.24** | ft | 1 | 11/13/2025 11:04 | R374970 |
| Elevation of groundwater surface | * | 0 | | **522.46** | ft | 1 | 11/13/2025 11:04 | R374970 |
| Measuring Point Elevation | * | 0 | | **540.70** | ft | 1 | 11/13/2025 11:04 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.90** | ft | 1 | 11/13/2025 11:04 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **15** | NTU | 1 | 11/13/2025 11:04 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **57.2** | °F | 1 | 11/13/2025 11:04 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **4.74** | | 1 | 11/13/2025 11:04 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1730** | µmhos/cm @25C | 1 | 11/13/2025 11:04 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1150** | mg/L | 1 | 11/18/2025 11:03 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/17/2025 0:09 | R374783 |
| Chloride | NELAP | 5.00 | | **115** | mg/L | 10 | 11/17/2025 0:09 | R374783 |
| Sulfate | NELAP | 10.0 | | **395** | mg/L | 10 | 11/17/2025 0:09 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **52.5** | µg/L | 1 | 11/17/2025 16:06 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 16:06 | 247986 |
| Boron | NELAP | 20.0 | | **24.9** | µg/L | 1 | 11/17/2025 16:06 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 16:06 | 247986 |
| Calcium | NELAP | 0.100 | | **193** | mg/L | 1 | 11/17/2025 16:06 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:06 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:06 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 16:06 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 16:06 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 4:57 | 247986 |
| Arsenic | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 4:57 | 247986 |
| Lithium | * | 3.0 | | **6.2** | µg/L | 5 | 11/18/2025 15:18 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 4:57 | 247986 |
| Thallium | NELAP | 2.0 | | **2.7** | µg/L | 5 | 11/18/2025 15:18 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 14:25 | 247982 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.38** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.050** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 13:47 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.33** | +/- | 1 | 01/02/2026 13:47 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-014
**Client Sample ID:** AP13
**Matrix:** GROUNDWATER
**Collection Date:** 11/13/2025 11:40

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **511.00** | ft | 1 | 11/13/2025 11:40 | R374970 |
| Depth to water | * | -5.00 | | **16.64** | ft | 1 | 11/13/2025 11:40 | R374970 |
| Depth to water from measuring point | * | 0 | | **20.04** | ft | 1 | 11/13/2025 11:40 | R374970 |
| Elevation of groundwater surface | * | 0 | | **521.96** | ft | 1 | 11/13/2025 11:40 | R374970 |
| Measuring Point Elevation | * | 0 | | **542.00** | ft | 1 | 11/13/2025 11:40 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **3.40** | ft | 1 | 11/13/2025 11:40 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **11** | NTU | 1 | 11/13/2025 11:40 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **56.9** | °F | 1 | 11/13/2025 11:40 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **5.22** | | 1 | 11/13/2025 11:40 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **982** | µmhos/cm @25C | 1 | 11/13/2025 11:40 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **580** | mg/L | 1 | 11/18/2025 12:42 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/17/2025 0:22 | R374783 |
| Chloride | NELAP | 5.00 | | **26.3** | mg/L | 10 | 11/17/2025 0:22 | R374783 |
| Sulfate | NELAP | 10.0 | | **120** | mg/L | 10 | 11/17/2025 0:22 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **120** | µg/L | 1 | 11/17/2025 16:07 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 16:07 | 247986 |
| Boron | NELAP | 20.0 | | **25.7** | µg/L | 1 | 11/17/2025 16:07 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 16:07 | 247986 |
| Calcium | NELAP | 0.100 | | **115** | mg/L | 1 | 11/17/2025 16:07 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:07 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:07 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 16:07 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 16:07 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 5:03 | 247986 |
| Arsenic | NELAP | 1.0 | | **1.8** | µg/L | 5 | 11/18/2025 5:03 | 247986 |
| Lithium | * | 3.0 | | **11.4** | µg/L | 5 | 11/18/2025 15:23 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 5:03 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 15:23 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 14:27 | 247982 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.40** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.10** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 13:47 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.30** | +/- | 1 | 01/02/2026 13:47 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-015
**Client Sample ID:** AP14
**Matrix:** GROUNDWATER
**Collection Date:** 11/13/2025 13:14

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **508.40** | ft | 1 | 11/13/2025 13:14 | R374970 |
| Depth to water | * | -5.00 | | **1.93** | ft | 1 | 11/13/2025 13:14 | R374970 |
| Depth to water from measuring point | * | 0 | | **4.73** | ft | 1 | 11/13/2025 13:14 | R374970 |
| Elevation of groundwater surface | * | 0 | | **534.87** | ft | 1 | 11/13/2025 13:14 | R374970 |
| Measuring Point Elevation | * | 0 | | **539.60** | ft | 1 | 11/13/2025 13:14 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.80** | ft | 1 | 11/13/2025 13:14 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **11** | NTU | 1 | 11/13/2025 13:14 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **59.6** | °F | 1 | 11/13/2025 13:14 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.24** | | 1 | 11/13/2025 13:14 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **2430** | µmhos/cm @25C | 1 | 11/13/2025 13:14 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1900** | mg/L | 1 | 11/18/2025 12:42 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/17/2025 0:35 | R374783 |
| Chloride | NELAP | 5.00 | | **120** | mg/L | 10 | 11/17/2025 0:35 | R374783 |
| Sulfate | NELAP | 10.0 | | **1040** | mg/L | 10 | 11/17/2025 0:35 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **48.6** | µg/L | 1 | 11/17/2025 16:08 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 16:08 | 247986 |
| Boron | NELAP | 200 | | **20800** | µg/L | 10 | 11/19/2025 16:51 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 16:08 | 247986 |
| Calcium | NELAP | 0.100 | | **317** | mg/L | 1 | 11/17/2025 16:08 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:08 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:08 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 16:08 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 16:08 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 5:08 | 247986 |
| Arsenic | NELAP | 1.0 | | **1.7** | µg/L | 5 | 11/18/2025 5:08 | 247986 |
| Lithium | * | 3.0 | | **8.0** | µg/L | 5 | 11/18/2025 15:29 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 5:08 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 15:29 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 14:34 | 247982 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.63** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.090** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-228 | * | 1.0 | | **1.5** | pci/L | 1 | 01/02/2026 13:47 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.54** | +/- | 1 | 01/02/2026 13:47 | R377439 |

**Client:** City Water, Light & Power **Work Order:** 25110404

**Client Project:** Ash Pond Monitoring Wells **Report Date:** 13-Jan-26

**Lab ID:** 25110404-016 **Client Sample ID:** T-01

**Matrix:** GROUNDWATER **Collection Date:** 11/13/2025 12:21

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **512.70** | ft | 1 | 11/13/2025 12:21 | R374970 |
| Depth to water | * | -5.00 | | **14.55** | ft | 1 | 11/13/2025 12:21 | R374970 |
| Depth to water from measuring point | * | 0 | | **14.88** | ft | 1 | 11/13/2025 12:21 | R374970 |
| Elevation of groundwater surface | * | 0 | | **520.77** | ft | 1 | 11/13/2025 12:21 | R374970 |
| Measuring Point Elevation | * | 0 | | **535.65** | ft | 1 | 11/13/2025 12:21 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **0.33** | ft | 1 | 11/13/2025 12:21 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **18** | NTU | 1 | 11/13/2025 12:21 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **58.3** | °F | 1 | 11/13/2025 12:21 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **4.54** | | 1 | 11/13/2025 12:21 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1810** | µmhos/cm @25C | 1 | 11/13/2025 12:21 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1020** | mg/L | 1 | 11/18/2025 12:42 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/17/2025 0:47 | R374783 |
| Chloride | NELAP | 5.00 | | **253** | mg/L | 10 | 11/17/2025 0:47 | R374783 |
| Sulfate | NELAP | 10.0 | | **169** | mg/L | 10 | 11/17/2025 0:47 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **62.1** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| Boron | NELAP | 20.0 | | **175** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| Calcium | NELAP | 0.100 | | **164** | mg/L | 1 | 11/17/2025 16:09 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 5:19 | 247986 |
| Arsenic | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 5:19 | 247986 |
| Lithium | * | 3.0 | | **17.6** | µg/L | 5 | 11/18/2025 15:34 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 5:19 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 15:34 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 14:41 | 247982 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.41** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.050** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 13:47 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.36** | +/- | 1 | 01/02/2026 13:47 | R377439 |

**Client:** City Water, Light & Power **Work Order:** 25110404

**Client Project:** Ash Pond Monitoring Wells **Report Date:** 13-Jan-26

**Lab ID:** 25110404-017 **Client Sample ID:** T-02

**Matrix:** GROUNDWATER **Collection Date:** 11/13/2025 10:17

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **515.18** | ft | 1 | 11/13/2025 10:17 | R374970 |
| Depth to water | * | -5.00 | | **25.63** | ft | 1 | 11/13/2025 10:17 | R374970 |
| Depth to water from measuring point | * | 0 | | **28.03** | ft | 1 | 11/13/2025 10:17 | R374970 |
| Elevation of groundwater surface | * | 0 | | **521.59** | ft | 1 | 11/13/2025 10:17 | R374970 |
| Measuring Point Elevation | * | 0 | | **549.62** | ft | 1 | 11/13/2025 10:17 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.40** | ft | 1 | 11/13/2025 10:17 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **5.1** | NTU | 1 | 11/13/2025 10:17 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **54.5** | °F | 1 | 11/13/2025 10:17 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **4.89** | | 1 | 11/13/2025 10:17 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **2310** | µmhos/cm @25C | 1 | 11/13/2025 10:17 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1370** | mg/L | 1 | 11/18/2025 12:42 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/17/2025 1:00 | R374783 |
| Chloride | NELAP | 5.00 | | **427** | mg/L | 10 | 11/17/2025 1:00 | R374783 |
| Sulfate | NELAP | 10.0 | | **90.0** | mg/L | 10 | 11/17/2025 1:00 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **193** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| Boron | NELAP | 20.0 | | **48.7** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| Calcium | NELAP | 0.100 | | **209** | mg/L | 1 | 11/17/2025 16:09 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 16:09 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 15:40 | 247986 |
| Arsenic | NELAP | 1.0 | | **7.3** | µg/L | 5 | 11/18/2025 15:40 | 247986 |
| Lithium | * | 3.0 | | **31.0** | µg/L | 5 | 11/18/2025 15:40 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 15:40 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 15:40 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 18:31 | 247984 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.56** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.11** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 13:47 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.45** | +/- | 1 | 01/02/2026 13:47 | R377439 |

**Client:** City Water, Light & Power **Work Order:** 25110404

**Client Project:** Ash Pond Monitoring Wells **Report Date:** 13-Jan-26

**Lab ID:** 25110404-018 **Client Sample ID:** T-04

**Matrix:** GROUNDWATER **Collection Date:** 11/13/2025 10:27

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **521.52** | ft | 1 | 11/13/2025 10:27 | R374970 |
| Depth to water | * | -5.00 | | **17.70** | ft | 1 | 11/13/2025 10:27 | R374970 |
| Depth to water from measuring point | * | 0 | | **20.08** | ft | 1 | 11/13/2025 10:27 | R374970 |
| Elevation of groundwater surface | * | 0 | | **528.86** | ft | 1 | 11/13/2025 10:27 | R374970 |
| Measuring Point Elevation | * | 0 | | **548.94** | ft | 1 | 11/13/2025 10:27 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.38** | ft | 1 | 11/13/2025 10:27 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **3.6** | NTU | 1 | 11/13/2025 10:27 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **56.8** | °F | 1 | 11/13/2025 10:27 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.43** | | 1 | 11/13/2025 10:27 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **545** | µmhos/cm @25C | 1 | 11/13/2025 10:27 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **372** | mg/L | 1 | 11/18/2025 13:01 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/17/2025 1:13 | R374783 |
| Chloride | NELAP | 5.00 | | **ND** | mg/L | 10 | 11/17/2025 1:13 | R374783 |
| Sulfate | NELAP | 10.0 | | **77.9** | mg/L | 10 | 11/17/2025 1:13 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **38.2** | µg/L | 1 | 11/17/2025 16:10 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 16:10 | 247986 |
| Boron | NELAP | 20.0 | | **42.6** | µg/L | 1 | 11/17/2025 16:10 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 16:10 | 247986 |
| Calcium | NELAP | 0.100 | | **65.8** | mg/L | 1 | 11/17/2025 16:10 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:10 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:10 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 16:10 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 16:10 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 16:31 | 247986 |
| Arsenic | NELAP | 1.0 | | **3.0** | µg/L | 5 | 11/18/2025 16:31 | 247986 |
| Lithium | * | 3.0 | | **13.6** | µg/L | 5 | 11/18/2025 16:31 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 16:31 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 16:31 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 18:33 | 247984 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.48** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.070** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 13:47 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.41** | +/- | 1 | 01/02/2026 13:47 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-019
**Client Sample ID:** T-05
**Matrix:** GROUNDWATER
**Collection Date:** 11/13/2025 11:01

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **518.32** | ft | 1 | 11/13/2025 11:01 | R374970 |
| Depth to water | * | -5.00 | | **11.48** | ft | 1 | 11/13/2025 11:01 | R374970 |
| Depth to water from measuring point | * | 0 | | **13.99** | ft | 1 | 11/13/2025 11:01 | R374970 |
| Elevation of groundwater surface | * | 0 | | **526.67** | ft | 1 | 11/13/2025 11:01 | R374970 |
| Measuring Point Elevation | * | 0 | | **540.66** | ft | 1 | 11/13/2025 11:01 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.51** | ft | 1 | 11/13/2025 11:01 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **6.0** | NTU | 1 | 11/13/2025 11:01 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **62.2** | °F | 1 | 11/13/2025 11:01 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.64** | | 1 | 11/13/2025 11:01 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **726** | µmhos/cm @25C | 1 | 11/13/2025 11:01 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **496** | mg/L | 1 | 11/18/2025 13:01 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/17/2025 1:25 | R374783 |
| Chloride | NELAP | 5.00 | | **ND** | mg/L | 10 | 11/17/2025 1:25 | R374783 |
| Sulfate | NELAP | 10.0 | | **87.4** | mg/L | 10 | 11/17/2025 1:25 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **76.2** | µg/L | 1 | 11/17/2025 16:11 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 16:11 | 247986 |
| Boron | NELAP | 20.0 | | **106** | µg/L | 1 | 11/17/2025 16:11 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 16:11 | 247986 |
| Calcium | NELAP | 0.100 | | **99.4** | mg/L | 1 | 11/17/2025 16:11 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:11 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:11 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 16:11 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 16:11 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 16:36 | 247986 |
| Arsenic | NELAP | 1.0 | | **2.2** | µg/L | 5 | 11/18/2025 16:36 | 247986 |
| Lithium | * | 3.0 | | **15.5** | µg/L | 5 | 11/18/2025 16:36 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 16:36 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 16:36 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 18:36 | 247984 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.46** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.080** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 13:47 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.38** | +/- | 1 | 01/02/2026 13:47 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-020
**Client Sample ID:** T-06
**Matrix:** GROUNDWATER
**Collection Date:** 11/13/2025 11:32

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **494.70** | ft | 1 | 11/13/2025 11:32 | R374970 |
| Depth to water | * | -5.00 | | **9.62** | ft | 1 | 11/13/2025 11:32 | R374970 |
| Depth to water from measuring point | * | 0 | | **11.98** | ft | 1 | 11/13/2025 11:32 | R374970 |
| Elevation of groundwater surface | * | 0 | | **526.34** | ft | 1 | 11/13/2025 11:32 | R374970 |
| Measuring Point Elevation | * | 0 | | **538.32** | ft | 1 | 11/13/2025 11:32 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.36** | ft | 1 | 11/13/2025 11:32 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **35** | NTU | 1 | 11/13/2025 11:32 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **57.8** | °F | 1 | 11/13/2025 11:32 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.76** | | 1 | 11/13/2025 11:32 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **940** | µmhos/cm @25C | 1 | 11/13/2025 11:32 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **558** | mg/L | 1 | 11/18/2025 13:01 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/17/2025 1:38 | R374783 |
| Chloride | NELAP | 5.00 | | **19.8** | mg/L | 10 | 11/17/2025 1:38 | R374783 |
| Sulfate | NELAP | 10.0 | | **ND** | mg/L | 10 | 11/17/2025 1:38 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **305** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| Boron | NELAP | 20.0 | | **214** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| Calcium | NELAP | 0.100 | | **97.7** | mg/L | 1 | 11/17/2025 16:12 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 16:42 | 247986 |
| Arsenic | NELAP | 1.0 | | **14.5** | µg/L | 5 | 11/18/2025 16:42 | 247986 |
| Lithium | * | 3.0 | | **10.5** | µg/L | 5 | 11/18/2025 16:42 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 16:42 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 16:42 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 18:38 | 247984 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.51** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.13** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 13:47 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.38** | +/- | 1 | 01/02/2026 13:47 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-021
**Client Sample ID:** AW-1
**Matrix:** GROUNDWATER
**Collection Date:** 11/13/2025 13:47

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **500.79** | ft | 1 | 11/13/2025 13:47 | R374970 |
| Depth to water | * | -5.00 | | **16.51** | ft | 1 | 11/13/2025 13:47 | R374970 |
| Depth to water from measuring point | * | 0 | | **19.26** | ft | 1 | 11/13/2025 13:47 | R374970 |
| Elevation of groundwater surface | * | 0 | | **536.34** | ft | 1 | 11/13/2025 13:47 | R374970 |
| Measuring Point Elevation | * | 0 | | **555.60** | ft | 1 | 11/13/2025 13:47 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.75** | ft | 1 | 11/13/2025 13:47 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **9.8** | NTU | 1 | 11/13/2025 13:47 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **58.7** | °F | 1 | 11/13/2025 13:47 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.62** | | 1 | 11/13/2025 13:47 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1360** | µmhos/cm @25C | 1 | 11/13/2025 13:47 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1120** | mg/L | 1 | 11/18/2025 13:01 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/17/2025 1:51 | R374783 |
| Chloride | NELAP | 5.00 | | **38.2** | mg/L | 10 | 11/17/2025 1:51 | R374783 |
| Sulfate | NELAP | 10.0 | | **403** | mg/L | 10 | 11/17/2025 1:51 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **218** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| Boron | NELAP | 20.0 | | **9670** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| Calcium | NELAP | 0.100 | | **209** | mg/L | 1 | 11/17/2025 16:12 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 16:12 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 16:47 | 247986 |
| Arsenic | NELAP | 1.0 | | **130** | µg/L | 5 | 11/18/2025 16:47 | 247986 |
| Lithium | * | 3.0 | | **10.5** | µg/L | 5 | 11/18/2025 16:47 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 16:47 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 16:47 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/18/2025 18:40 | 247984 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.45** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 | * | 1.0 | | **ND** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.090** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-228 | * | 1.0 | | **ND** | pci/L | 1 | 01/02/2026 13:47 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.36** | +/- | 1 | 01/02/2026 13:47 | R377439 |

**Client:** City Water, Light & Power
**Work Order:** 25110404
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 13-Jan-26
**Lab ID:** 25110404-022
**Client Sample ID:** G120
**Matrix:** GROUNDWATER
**Collection Date:** 11/13/2025 10:22

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **502.73** | ft | 1 | 11/13/2025 10:22 | R374970 |
| Depth to water | * | -5.00 | | **20.72** | ft | 1 | 11/13/2025 10:22 | R374970 |
| Depth to water from measuring point | * | 0 | | **20.72** | ft | 1 | 11/13/2025 10:22 | R374970 |
| Elevation of groundwater surface | * | 0 | | **532.38** | ft | 1 | 11/13/2025 10:22 | R374970 |
| Measuring Point Elevation | * | 0 | | **553.10** | ft | 1 | 11/13/2025 10:22 | R374970 |
| Measuring Point Height Above Land Surface | * | 0 | | **0** | ft | 1 | 11/13/2025 10:22 | R374970 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **39** | NTU | 1 | 11/13/2025 10:22 | R374970 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **59.9** | °F | 1 | 11/13/2025 10:22 | R374970 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.67** | | 1 | 11/13/2025 10:22 | R374970 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1750** | µmhos/cm @25C | 1 | 11/13/2025 10:22 | R374970 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 25 | | **1500** | mg/L | 1.25 | 11/18/2025 13:01 | R374847 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 11/17/2025 2:03 | R374783 |
| Chloride | NELAP | 5.00 | | **38.3** | mg/L | 10 | 11/17/2025 2:03 | R374783 |
| Sulfate | NELAP | 10.0 | | **578** | mg/L | 10 | 11/17/2025 2:03 | R374783 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **1350** | µg/L | 1 | 11/17/2025 16:17 | 247986 |
| Beryllium | NELAP | 0.5 | | **0.6** | µg/L | 1 | 11/17/2025 16:17 | 247986 |
| Boron | NELAP | 20.0 | | **8230** | µg/L | 1 | 11/17/2025 16:17 | 247986 |
| Cadmium | NELAP | 2.0 | | **2.0** | µg/L | 1 | 11/17/2025 16:17 | 247986 |
| Calcium | NELAP | 0.100 | | **287** | mg/L | 1 | 11/17/2025 16:17 | 247986 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 11/17/2025 16:17 | 247986 |
| Cobalt | NELAP | 5.0 | | **5.1** | µg/L | 1 | 11/17/2025 16:17 | 247986 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 11/17/2025 16:17 | 247986 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 11/17/2025 16:17 | 247986 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 16:53 | 247986 |
| Arsenic | NELAP | 1.0 | | **12.8** | µg/L | 5 | 11/18/2025 16:53 | 247986 |
| Lithium | * | 3.0 | | **9.5** | µg/L | 5 | 11/18/2025 16:53 | 247986 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 11/18/2025 16:53 | 247986 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 11/18/2025 16:53 | 247986 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 11/19/2025 11:36 | 247984 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.0 | | **5.9** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Combined 226/228 Uncertainty | * | 0 | | **0.88** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 | * | 1.0 | | **3.9** | pci/L | 1 | 01/06/2026 8:26 | R377436 |
| Radium-226 Uncertainty | * | 0 | | **0.26** | +/- | 1 | 01/06/2026 8:26 | R377436 |
| Radium-228 | * | 1.0 | | **1.9** | pci/L | 1 | 01/02/2026 13:47 | R377439 |
| Radium-228 Uncertainty | * | 0 | | **0.62** | +/- | 1 | 01/02/2026 13:47 | R377439 |

# Receiving Check List

http://www.teklabinc.com/

**Client:** City Water, Light & Power
**Client Project:** Ash Pond Monitoring Wells

**Work Order:** 25110404
**Report Date:** 13-Jan-26

**Carrier:** Justin Colp

**Received By:** KTM

**Completed by:** Emily Kossakoski
**On:** 12-Nov-25
Emily Kossakoski

**Reviewed by:** Shelly A Hennessy
**On:** 14-Nov-25
Shelly A. Hennessy

**Pages to follow:** Chain of custody 3 Extra pages included 62

| | | | | | | |
|---|---|---|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ | Temp °C | 17.5 | |
| Type of thermal preservation? | None ☐ | Ice ☑ | Blue Ice ☐ | Dry Ice | ☐ | |
| Chain of custody present? | Yes ☑ | No ☐ | | | | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | | | | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | | | | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | | | | |
| Sample containers intact? | Yes ☑ | No ☐ | | | | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | | | | |
| All samples received within holding time? | Yes ☑ | No ☐ | | | | |
| Reported field parameters measured: | Field ☑ | Lab ☐ | NA ☐ | | | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | | | | |
| *When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.* | | | | | | |
| Water – at least one vial per sample has zero headspace? | Yes ☐ | No ☐ | No VOA vials ☑ | | | |
| Water - TOX containers have zero headspace? | Yes ☐ | No ☐ | No TOX containers ☑ | | | |
| Water - pH acceptable upon receipt? | Yes ☐ | No ☑ | NA ☐ | | | |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes ☐ | No ☐ | NA ☑ | | | |

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

Additonal cooler temperature 4.3C. EK 11/12/2025

pH strip #104524. - KTM/ekossakoski - 11/12/2025 4:54:38 PM

Additional nitric acid (107106) was needed for 1 of 3 RW3 1L and 2 of 3 AP10 1L upon arrival at the laboratory. - KTM/ekossakoski - 11/12/2025 4:58:51 PM

Samples were received on 11/13/25 at 16:30 on ice [temp9.1C, 9.9C, 4.1C, 4.7C, 0.7C - LTG#5]. pH# 104524. Additional nitric acid (107106) was needed for G120 upon arrival at the laboratory. - lhenson - 11/14/2025 7:35:27 AM

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# CHAIN OF CUSTODY

Pg 1 of 3 Workorder # 25110404

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

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

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

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 17.5, 6.3 °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY #9
LAB NOTES: PH 10+3.24. Added HNO3 (1:1) to RWS & AP13. KTM 11.12.25 1 of 3 2 of 3

**Client Comments:**
*elevations, pH, conductivity, temperature
**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring-to be reported electronically
-001/-003 collection times corrected. SAH 11/24/25

**PROJECT NAME/NUMBER**
Ash Pond Monitoring Wells

**SAMPLE COLLECTOR'S NAME**
Brett Gillihan

**RESULTS REQUESTED**
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

**BILLING INSTRUCTIONS**

| Lab Use Only | Sample ID | | Date/Time Sampled | Matrix | # and Type of Containers | | | | | | | | | INDICATE ANALYSIS REQUESTED | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | Field parameters* | Cl F SO4 TDS (T) | Metals (T)** | Radium-226 | Radium-228 | Combined Radium | Field Turbidity | | | | | | | | |
| 25110404-001 | RW-3 | 13:56 | 11-12-25 ~~1222~~ | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 002 | AP-1 | | | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 003 | AP-2 | | 11-12-25 1357 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 004 | AP-3 | 13:54 | 11-12-25 ~~1317~~ | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 005 | AP-4 | | | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 006 | AP-5 | | | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 007 | AP-6 | | | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 008 | AP-7 | | | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 009 | AP-8 | | | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 010 | AP-9 | | | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 011 | AP10 | | 11-12-25 1432 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| J. Colp | 11-12-25 1610 | Kyle Wooley | 11-12-25 16:10 |
| | | | |
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| | | | |
| | | | |

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

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# CHAIN OF CUSTODY

Pg 1 of 3 Workorder # 25110404

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

9.1, 9.9, 4.1

Client: City Water, Light & Power

Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building

City/State/Zip: Springfield IL 62712

Contact: Eric Staley Phone: (217) 757-8610

Email: eric.staley@cwlp.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 4.7, 0.7 °C 5

Preserved in: [X] LAB [X] FIELD HNO3 FOR LAB USE ONLY

LAB NOTES: PW 104524

added HNO3 (57106) to G120 LH 11/14/25

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

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

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

**Client Comments:**

*elevations, pH, conductivity, temperature

**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo

Quarterly monitoring-to be reported electronically

**PROJECT NAME/NUMBER**

Ash Pond Monitoring Wells

**SAMPLE COLLECTOR'S NAME**

Bret Gillihan

**RESULTS REQUESTED**

[✓] Standard [ ] 1-2 Day (100% Surcharge)

[ ] Other _____ [ ] 3 Day (50% Surcharge)

**BILLING INSTRUCTIONS**

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers: UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | INDICATE ANALYSIS REQUESTED: Field parameters* | Cl F SO4 TDS (T) | Metals (T)** | Radium-226 | Radium-228 | Combined Radium | Field Turbidity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25110404-001 | RW-3 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 002 | AP-1 | 11-13-25 1425 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 003 | AP-2 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 004 | AP-3 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 005 | AP-4 | 11-13-25 1343 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 006 | AP-5 | 11-13-25 1304 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 007 | AP-6 | 11-13-25 1258 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 008 | AP-7 | 11-13-25 1219 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 009 | AP-8 | 11-13-25 1353 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 010 | AP-9 | 11-13-25 958 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 011 | AP10 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| Allen Tarpe | 11-13-25 1630 | | 11/13/25 1630 |
| | | | |
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| | | | |

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

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# CHAIN OF CUSTODY

Pg 2 of 3 Workorder # 25110404

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

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

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

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C
Preserved in: ☐ LAB ☐ FIELD
FOR LAB USE ONLY
LAB NOTES:

**Client Comments:**
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring-to be reported electronically

**PROJECT NAME/NUMBER**
Ash Pond Monitoring Wells

**SAMPLE COLLECTOR'S NAME**
Brett Gillihan

**RESULTS REQUESTED**
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

**BILLING INSTRUCTIONS**

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers | | | | | | | | | INDICATE ANALYSIS REQUESTED | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | Field parameters* | Cl F SO4 TDS (T) | Metals (T)** | Radium-226 | Radium-228 | Combined Radium | Field Turbidity | | | | | | | | |
| 25110404-012 | AP11 | 11-13-25 940 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 013 | AP12 | 11-13-25 1104 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 014 | AP13 | 11-13-25 1140 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 015 | AP14 | 11-13-25 1314 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 016 | T-01 | 11-13-25 1221 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 017 | T-02 | 11-13-25 1017 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 018 | T-04 | 11-13-25 1027 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 019 | T-05 | 11-13-25 1101 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 020 | T-06 | 11-13-25 1132 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 021 | AW-1 | 11-13-25 1347 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |
| 022 | G120 | 11-13-25 1022 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | | | | | | | |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| Allen Lampe | 11-13-25 1630 | | 11/13/25 1630 |
| | | | |
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| | | | |

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# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Ash Pond Monitoring Wells | **Monitoring Point:** | RW-3 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 001 |
| **W.O. Number (s):** | 25111404 | **Date (s):** | 11/12/2025 |

**Field Team Members**

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Affiliation:

**Weather Conditions**

Temp: 60 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/12/25 1:25 PM

Static Water Level: 13.48 feet below TOC

Total Depth: 44.01 feet below TOC

Water Column: 30.53 feet

**Purging Activities**

Purged By: JC Purge Date: 11/12/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 30.53 ft. x 0.022 = 0.67 L x 3 Vol. = 2.01 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 11.00 L

Physical appearance of purge water: Slightly cloudy Odor: Slight Color: none

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 13:09 | 0.0 | 234 | purge start time | | | | | | |
| 13:14 | 1.2 | ↓ | 7.10 | 773.80 | 14.96 | 1.12 | -151.50 | 55.45 | |
| 13:17 | 1.9 | | 7.08 | 776.00 | 14.95 | 0.84 | -157.90 | 234.71 | |
| 13:20 | 2.6 | | 7.08 | 777.30 | 14.98 | 0.69 | -158.00 | 281.63 | |
| 13:23 | 3.3 | | 7.08 | 777.10 | 15.10 | 0.61 | -157.00 | 324.88 | |
| 13:26 | 4.0 | | 7.08 | 777.70 | 15.26 | 0.60 | -155.80 | 259.88 | |
| 13:29 | 4.7 | | 7.08 | 778.50 | 15.30 | 0.57 | -155.60 | 266.15 | |
| 13:32 | 5.4 | | 7.08 | 778.30 | 15.19 | 0.54 | -154.80 | 129.46 | |
| 13:35 | 6.1 | | 7.08 | 778.60 | 15.19 | 0.53 | -154.60 | 283.82 | |
| 13:38 | 6.8 | | 7.08 | 778.80 | 15.06 | 0.50 | -154.20 | 217.75 | |
| 13:41 | 7.5 | | 7.08 | 778.20 | 15.04 | 0.48 | -153.70 | 235.75 | |
| 13:44 | 8.2 | | 7.08 | 778.90 | 15.02 | 0.47 | -153.20 | 94.02 | |
| 13:47 | 8.9 | | 7.09 | 779.20 | 14.97 | 0.46 | -152.40 | 164.96 | |
| 13:50 | 9.6 | | 7.09 | 779.20 | 14.92 | 0.45 | -152.30 | 218.71 | |
| 13:53 | 10.3 | | 7.09 | 779.50 | 14.90 | 0.45 | -152.00 | 136.71 | |
| 13:56 | 11.0 | | 7.09 | 780.10 | 14.87 | 0.44 | -151.20 | 134.35 | |

**Sampling Activities**

Sampled By: JC Sample Date/Time: 11/12/2025 13:56

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 7.09 pH 780.10 Spec. Cond. 14.87 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 19.89 feet below TOC Drawdown: 6.41 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

**Form Completed By:** Justin Colp **Date:** 11/12/2025

# Field Data Sheet

**Project Name:** Ash Pond Monitoring Wells
**Project Location:** Springfield, IL
**W.O. Number (s):** 25111404
**Monitoring Point:** AP-1
**Sample ID:** 002
**Date (s):** 11/13/2025

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 64 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| Locks | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 2:07 PM
Static Water Level: 11.89 feet below TOC
Total Depth: 31.08 feet below TOC
Water Column: 19.19 feet

**Purging Activities**

Purged By: DC Purge Date: 11/13/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 19.19 ft. x 0.022 = 0.42 L x 3 Vol. = 1.26 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 14:07 | 0.0 | 222 | purge start time | | | | | | |
| 14:13 | 1.3 | ↓ | 5.00 | 2,031.90 | 15.99 | 1.23 | 28.30 | 28.52 | |
| 14:16 | 2.0 | | 4.94 | 2,086.10 | 16.08 | 1.08 | 11.30 | 30.88 | |
| 14:19 | 2.7 | | 4.91 | 2,102.40 | 16.02 | 1.00 | 3.60 | 21.62 | |
| 14:22 | 3.3 | | 4.88 | 2,129.40 | 16.01 | 0.97 | -0.20 | 19.21 | |
| 14:25 | 4.0 | | 4.86 | 2,144.80 | 15.87 | 0.94 | -1.80 | 15.06 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 11/13/2025 14:25
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 4.86 pH 2,144.80 Spec. Cond. 15.87 Temp
Field Filtered: No Filter Type:
Water Level: 12.41 feet below TOC Drawdown: 0.52 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

**Form Completed By:** Brett Gillihan **Date:** 11/13/2025

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Ash Pond Monitoring Wells | **Monitoring Point:** | AP-2 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 003 |
| **W.O. Number (s):** | 25111404 | **Date (s):** | 11/12/2025 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 60 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | | | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | **Locks** | | |
| Casing | Good | Protective Casing | | X |
| Protective Casing | Good | Well | | X |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 11/12/25 1:34 PM

Static Water Level: 9.62 feet below TOC

Total Depth: 21.33 feet below TOC

Water Column: 11.71 feet

**Purging Activities**

Purged By: DC Purge Date: 11/12/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 11.71 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.50 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 13:34 | 0.0 | 225 | purge start time | | | | | | |
| 13:42 | 1.8 | ↓ | 4.68 | 1,733.80 | 16.61 | 0.89 | 61.50 | 13.17 | |
| 13:45 | 2.5 | | 4.63 | 1,736.10 | 16.61 | 0.79 | 62.70 | 11.55 | |
| 13:48 | 3.2 | | 4.60 | 1,737.90 | 16.57 | 0.74 | 63.70 | 17.91 | |
| 13:51 | 3.8 | | 4.58 | 1,739.40 | 16.54 | 0.69 | 64.70 | 16.91 | |
| 13:54 | 4.5 | | 4.55 | 1,743.00 | 16.47 | 0.68 | 65.90 | 19.54 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 11/12/2025 13:54

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 4.55 pH 1,743.00 Spec. Cond. 16.47 Temp

Field Filtered: No Filter Type:

Water Level: 9.83 feet below TOC Drawdown: 0.21 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

**Form Completed By:** Brett Gillihan **Date:** 11/12/2025

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Ash Pond Monitoring Wells | **Monitoring Point:** | AP-3 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 004 |
| **W.O. Number (s):** | 25111404 | **Date (s):** | 11/12/2025 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 60 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/12/25 12:57 PM

Static Water Level: 9.88 feet below TOC

Total Depth: 20.80 feet below TOC

Water Column: 10.92 feet

**Purging Activities**

Purged By: DC Purge Date: 11/12/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 10.92 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.50 L

Physical appearance of purge water: Clear Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 12:57 | 0.0 | 225 | purge start time | | | | | | |
| 13:02 | 1.1 | ↓ | 5.12 | 1,730.20 | 17.22 | 1.36 | 30.80 | 12.88 | |
| 13:05 | 1.8 | | 5.04 | 1,732.80 | 17.19 | 1.23 | 23.90 | 11.58 | |
| 13:08 | 2.5 | | 4.99 | 1,734.00 | 17.18 | 1.12 | 20.10 | 9.14 | |
| 13:11 | 3.2 | | 4.96 | 1,738.00 | 17.16 | 1.05 | 17.00 | 7.83 | |
| 13:14 | 3.8 | | 4.94 | 1,739.20 | 17.20 | 0.99 | 14.20 | 7.23 | |
| 13:17 | 4.5 | | 4.93 | 1,739.90 | 17.14 | 0.96 | 12.40 | 6.06 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 11/12//25 13:17

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 4.93 pH 1,739.90 Spec. Cond. 17.14 Temp

Field Filtered: No Filter Type:

Water Level: 10.03 feet below TOC Drawdown: 0.15 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

**Form Completed By:** Brett Gillihan **Date:** 11/12//25

# Field Data Sheet

**Project Name:** Ash Pond Monitoring Wells
**Project Location:** Springfield, IL
**W.O. Number (s):** 25111404
**Monitoring Point:** AP-4
**Sample ID:** 005
**Date (s):** 11/13/2025

**Field Team Members**

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

**Weather Conditions**

Temp: 63 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| Locks | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 1:21 PM
Static Water Level: 12.94 feet below TOC
Total Depth: 60.41 feet below TOC
Water Column: 47.47 feet

**Purging Activities**

Purged By: JC — Purge Date: 11/13/2025
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 47.47 ft. x 0.022 = 1.04 L x 3 Vol. = 3.12 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy — Odor: Slight — Color: none

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 13:23 | 0.0 | 250 | purge start time | | | | | | |
| 13:28 | 1.3 | ↓ | 6.75 | 905.60 | 17.85 | 1.61 | -106.10 | 52.63 | |
| 13:31 | 2.0 | | 6.75 | 909.50 | 17.85 | 1.06 | -115.10 | 75.35 | |
| 13:34 | 2.8 | | 6.75 | 911.50 | 17.83 | 0.80 | -119.60 | 71.05 | |
| 13:37 | 3.5 | | 6.76 | 912.60 | 17.75 | 0.67 | -122.10 | 64.61 | |
| 13:40 | 4.3 | | 6.76 | 913.00 | 17.76 | 0.58 | -123.70 | 60.51 | |
| 13:43 | 5.0 | | 6.76 | 913.50 | 17.78 | 0.54 | -124.70 | 61.69 | |

**Sampling Activities**

Sampled By: JC — Sample Date/Time: 11/13/2025 13:43
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.76 pH — 913.50 Spec. Cond. — 17.78 Temp
Field Filtered: No — Filter Type:
Water Level: 12.97 feet below TOC — Drawdown: 0.03 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

**Form Completed By:** Justin Colp — **Date:** 11/13/2025

# Field Data Sheet

**Project Name:** Ash Pond Monitoring Wells
**Project Location:** Springfield, IL
**W.O. Number (s):** 25111404
**Monitoring Point:** AP-5
**Sample ID:** 006
**Date (s):** 11/13/2025

**Field Team Members**

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

**Weather Conditions**

Temp: 61 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| Locks | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 12:43 PM
Static Water Level: 20.62 feet below TOC
Total Depth: 31.27 feet below TOC
Water Column: 10.65 feet

**Purging Activities**

Purged By: JC Purge Date: 11/13/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.65 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 12:45 | 0.0 | 263 | purge start time | | | | | | |
| 12:52 | 1.8 | ↓ | 6.84 | 771.30 | 14.76 | 2.40 | 40.30 | 3.95 | |
| 12:55 | 2.6 | | 6.83 | 770.90 | 14.81 | 1.93 | 44.10 | 3.33 | |
| 12:58 | 3.4 | | 6.83 | 776.70 | 14.80 | 1.73 | 46.60 | 3.35 | |
| 13:01 | 4.2 | | 6.83 | 782.70 | 14.79 | 1.66 | 48.90 | 2.89 | |
| 13:04 | 5.0 | | 6.83 | 787.70 | 14.80 | 1.55 | 51.10 | 1.89 | |

**Sampling Activities**

Sampled By: JC Sample Date/Time: 11/13/2025 13:04
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.83 pH 787.70 Spec. Cond. 14.80 Temp
Field Filtered: No Filter Type:
Water Level: 21.42 feet below TOC Drawdown: 0.80 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

**Form Completed By:** Justin Colp **Date:** 11/13/2025

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Ash Pond Monitoring Wells | **Monitoring Point:** | AP-6 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 007 |
| **W.O. Number (s):** | 25111404 | **Date (s):** | 11/13/2025 |

**Field Team Members**

Name: Allison Lampe Affiliation: TekLab, Inc.

Name: Drew Nieters Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 49 °F Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 12:39 PM

Static Water Level: 11.33 feet below TOC

Total Depth: 39.62 feet below TOC

Water Column: 28.29 feet

**Purging Activities**

Purged By: AL Purge Date: 11/13/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 28.29 ft. x 0.022 = 0.62 L x 3 Vol. = 1.86 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Clear Odor: None Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 12:39 | 0.0 | 158 | purge start time | | | | | | |
| 12:49 | 1.6 | ↓ | 7.12 | 724.40 | 15.40 | 4.40 | -6.80 | 8.81 | |
| 12:52 | 2.1 | | 7.09 | 730.70 | 15.95 | 3.78 | -8.00 | 4.16 | |
| 12:55 | 2.5 | | 7.07 | 734.80 | 16.26 | 3.33 | -9.10 | 3.34 | |
| 12:58 | 3.0 | | 7.06 | 737.00 | 16.42 | 3.01 | -10.00 | 2.58 | |

**Sampling Activities**

Sampled By: DN Sample Date/Time: 11/13/2025 12:58

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 7.06 pH 737.00 Spec. Cond. 16.42 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 12.67 feet below TOC Drawdown: 1.34 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45280

**Form Completed By:** A Nieters **Date:** 11/13/2025

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Ash Pond Monitoring Wells | **Monitoring Point:** | AP-7 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 008 |
| **W.O. Number (s):** | 25111404 | **Date (s):** | 11/13/2025 |

**Field Team Members**

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Affiliation:

**Weather Conditions**

Temp: 58 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | | Locks | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | | | |
| Casing | Good | Protective Casing | | X |
| Protective Casing | Good | Well | | X |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 11:48 AM

Static Water Level: 13.92 feet below TOC

Total Depth: 42.52 feet below TOC

Water Column: 28.60 feet

**Purging Activities**

Purged By: JC Purge Date: 11/13/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 28.6 ft. x 0.022 = 0.63 L x 3 Vol. = 1.89 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 7.00 L

Physical appearance of purge water: Clear Odor: None Color: none

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 11:50 | 0.0 | 241 | purge start time | | | | | | |
| 11:55 | 1.2 | ↓ | 6.97 | 859.30 | 13.99 | 0.98 | -129.30 | 22.99 | |
| 11:58 | 1.9 | | 6.97 | 852.90 | 13.91 | 0.68 | -122.90 | 51.63 | |
| 12:01 | 2.7 | | 6.98 | 854.90 | 13.86 | 0.55 | -120.00 | 79.92 | |
| 12:04 | 3.4 | | 6.99 | 857.60 | 13.82 | 0.48 | -119.70 | 86.97 | |
| 12:07 | 4.1 | | 7.00 | 864.30 | 13.79 | 0.43 | -119.20 | 74.99 | |
| 12:10 | 4.8 | | 7.02 | 875.90 | 13.76 | 0.39 | -118.10 | 60.19 | |
| 12:13 | 5.6 | | 7.04 | 893.80 | 13.76 | 0.37 | -112.00 | 54.55 | |
| 12:16 | 6.3 | | 7.05 | 900.30 | 13.63 | 0.36 | -108.20 | 53.70 | |
| 12:19 | 7.0 | | 7.06 | 903.40 | 13.56 | 0.34 | -105.90 | 59.02 | |

**Sampling Activities**

Sampled By: JC Sample Date/Time: 11/13/2025 12:19

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 7.06 pH 903.40 Spec. Cond. 13.56 Temp

Field Filtered: No Filter Type:

Water Level: 23.18 feet below TOC Drawdown: 9.26 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

**Form Completed By:** Justin Colp **Date:** 11/13/2025

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Ash Pond Monitoring Wells | **Monitoring Point:** | AP-8 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 009 |
| **W.O. Number (s):** | 25111404 | **Date (s):** | 11/13/2025 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 64 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 1:34 PM

Static Water Level: 9.48 feet below TOC

Total Depth: 39.60 feet below TOC

Water Column: 30.12 feet

**Purging Activities**

Purged By: DC Purge Date: 11/13/2025

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 30.12 ft. x 0.022 = 0.66 L x 3 Vol. = 1.98 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 13:34 | 0.0 | 211 | purge start time | | | | | | |
| 13:41 | 1.5 | ↓ | 6.22 | 1,172.60 | 16.22 | 1.40 | 12.50 | 8.46 | |
| 13:44 | 2.1 | | 6.18 | 1,168.60 | 16.06 | 1.12 | -6.30 | 9.36 | |
| 13:47 | 2.7 | | 6.14 | 1,169.60 | 16.18 | 1.03 | -13.80 | 11.59 | |
| 13:50 | 3.4 | | 6.12 | 1,166.20 | 16.00 | 0.91 | -17.00 | 15.11 | |
| 13:53 | 4.0 | | 6.11 | 1,163.80 | 15.92 | 0.86 | -18.90 | 13.07 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 11/13/2025 13:53

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.11 pH 1,163.80 Spec. Cond. 15.92 Temp

Field Filtered: No Filter Type:

Water Level: 9.88 feet below TOC Drawdown: 0.40 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

**Form Completed By:** Brett Gillihan **Date:** 11/13/2025

# Field Data Sheet

**Project Name:** Ash Pond Monitoring Wells
**Project Location:** Springfield, IL
**W.O. Number (s):** 25111404
**Monitoring Point:** AP-9
**Sample ID:** 010
**Date (s):** 11/13/2025

**Field Team Members**

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

**Weather Conditions**

Temp: 47 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| Locks | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 9:18 AM
Static Water Level: 14.19 feet below TOC
Total Depth: 39.60 feet below TOC
Water Column: 25.41 feet

**Purging Activities**

Purged By: JC — Purge Date: 11/13/2025
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 25.41 ft. x 0.022 = 0.56 L x 3 Vol. = 1.68 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 9:22 | 0.0 | 281 | purge start time | | | | | | |
| 9:26 | 1.1 | ↓ | 6.50 | 1,103.90 | 14.43 | 1.68 | -78.40 | 2.94 | |
| 9:29 | 2.0 | | 6.53 | 1,069.10 | 14.53 | 1.23 | -87.80 | 2.98 | |
| 9:32 | 2.8 | | 6.55 | 1,066.80 | 14.40 | 1.03 | -92.00 | 3.36 | |
| 9:35 | 3.7 | | 6.57 | 1,065.20 | 14.48 | 0.92 | -94.50 | 3.71 | |
| 9:38 | 4.5 | | 6.57 | 1,065.60 | 14.42 | 0.83 | -95.30 | 3.82 | |

**Sampling Activities**

Sampled By: JC — Sample Date/Time: 11/13/2025 9:38
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.57 pH — 1,065.60 Spec. Cond. — 14.42 Temp
Field Filtered: No — Filter Type:
Water Level: 17.64 feet below TOC — Drawdown: 3.45 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

**Form Completed By:** Justin Colp — **Date:** 11/13/2025

# Field Data Sheet

**Project Name:** Ash Pond Monitoring Wells
**Project Location:** Springfield, IL
**W.O. Number (s):** 25111404
**Monitoring Point:** AP-10
**Sample ID:** 011
**Date (s):** 11/12/2025

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 61 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| Locks | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/12/25 2:07 PM
Static Water Level: 7.73 feet below TOC
Total Depth: 38.07 feet below TOC
Water Column: 30.34 feet

**Purging Activities**

Purged By: DC Purge Date: 11/12/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 30.34 ft. x 0.022 = 0.67 L x 3 Vol. = 2.01 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 14:07 | 0.0 | 180 | purge start time | | | | | | |
| 14:19 | 2.2 | ↓ | 5.50 | 1,474.80 | 15.20 | 1.61 | -17.30 | 6.94 | |
| 14:22 | 2.7 | | 5.40 | 1,474.70 | 15.23 | 1.38 | -44.30 | 4.68 | |
| 14:25 | 3.2 | | 5.39 | 1,475.50 | 15.23 | 1.25 | -54.80 | 5.74 | |
| 14:28 | 3.8 | | 5.38 | 1,474.50 | 15.10 | 1.17 | -60.90 | 4.55 | |
| 14:31 | 4.3 | | 5.37 | 1,468.10 | 14.87 | 0.95 | -65.70 | 4.74 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 11/12/2025 14:32
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 5.37 pH 1,468.10 Spec. Cond. 14.87 Temp
Field Filtered: No Filter Type:
Water Level: 7.74 feet below TOC Drawdown: 0.01 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

**Form Completed By:** Brett Gillihan **Date:** 11/12/2025

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Ash Pond Monitoring Wells | **Monitoring Point:** | AP-11 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 012 |
| **W.O. Number (s):** | 25111404 | **Date (s):** | 11/13/2025 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 47 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 9:20 AM

Static Water Level: 15.58 feet below TOC

Total Depth: 22.95 feet below TOC

Water Column: 7.37 feet

**Purging Activities**

Purged By: DC Purge Date: 11/13/2025

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 7.37 ft. x 0.022 = 0.16 L x 3 Vol. = 0.48 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 9:20 | 0.0 | 200 | purge start time | | | | | | |
| 9:28 | 1.6 | ↓ | 5.06 | 1,269.00 | 13.56 | 1.92 | 61.70 | 10.29 | |
| 9:31 | 2.2 | | 4.95 | 1,265.30 | 13.53 | 1.63 | 57.50 | 9.15 | |
| 9:34 | 2.8 | | 4.89 | 1,263.20 | 13.55 | 1.52 | 55.60 | 8.41 | |
| 9:37 | 3.4 | | 4.83 | 1,264.60 | 13.66 | 1.32 | 54.70 | 8.29 | |
| 9:40 | 4.0 | | 4.79 | 1,267.20 | 13.83 | 1.21 | 54.20 | 8.42 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 11/13/2025 9:40

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 4.79 pH 1,267.20 Spec. Cond. 13.83 Temp

Field Filtered: No Filter Type:

Water Level: 15.62 feet below TOC Drawdown: 0.04 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

**Form Completed By:** Brett Gillihan **Date:** 11/13/2025

# Field Data Sheet

**Project Name:** Ash Pond Monitoring Wells
**Project Location:** Springfield, IL
**W.O. Number (s):** 25111404
**Monitoring Point:** AP-12
**Sample ID:** 013
**Date (s):** 11/13/2025

**Field Team Members**

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 54 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| Locks | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 10:44 AM
Static Water Level: 18.24 feet below TOC
Total Depth: 30.40 feet below TOC
Water Column: 12.16 feet

**Purging Activities**

Purged By: DC — Purge Date: 11/13/2025
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 12.16 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 10:44 | 0.0 | 200 | purge start time | | | | | | |
| 10:52 | 1.6 | ↓ | 4.89 | 1,723.00 | 13.90 | 1.37 | 103.70 | 15.93 | |
| 10:55 | 2.2 | | 4.82 | 1,725.80 | 13.95 | 1.17 | 89.50 | 16.32 | |
| 10:58 | 2.8 | | 4.78 | 1,729.70 | 14.04 | 1.06 | 79.80 | 17.31 | |
| 11:01 | 3.4 | | 4.75 | 1,732.10 | 14.04 | 0.99 | 73.00 | 17.89 | |
| 11:04 | 4.0 | | 4.74 | 1,731.90 | 14.01 | 0.96 | 68.00 | 14.66 | |

**Sampling Activities**

Sampled By: BG — Sample Date/Time: 11/13/2025 11:04
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 4.74 pH — 1,731.90 Spec. Cond. — 14.01 Temp
Field Filtered: No — Filter Type:
Water Level: 18.59 feet below TOC — Drawdown: 0.35 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

**Form Completed By:** Brett Gillihan — **Date:** 11/13/2025

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Ash Pond Monitoring Wells | **Monitoring Point:** | AP-13 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 014 |
| **W.O. Number (s):** | 25111404 | **Date (s):** | 11/13/2025 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 56 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | | | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | **Locks** | | |
| Casing | Good | Protective Casing | | X |
| Protective Casing | Good | Well | | X |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 11:21 AM

Static Water Level: 20.04 feet below TOC

Total Depth: 31.00 feet below TOC

Water Column: 10.96 feet

**Purging Activities**

Purged By: DC Purge Date: 11/13/2025

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 10.96 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: Slight Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 11:21 | 0.0 | 211 | purge start time | | | | | | |
| 11:28 | 1.5 | ↓ | 5.50 | 992.10 | 14.01 | 1.22 | 57.80 | 17.60 | |
| 11:31 | 2.1 | | 5.37 | 985.70 | 13.97 | 1.01 | 48.90 | 17.12 | |
| 11:34 | 2.7 | | 5.31 | 983.90 | 13.90 | 0.92 | 43.80 | 13.04 | |
| 11:37 | 3.4 | | 5.26 | 981.80 | 13.88 | 0.88 | 41.20 | 11.54 | |
| 11:40 | 4.0 | | 5.22 | 981.60 | 13.86 | 0.85 | 39.30 | 10.81 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 11/13/2025 11:40

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 5.32 pH 1,778.80 Spec. Cond. 14.81 Temp

Field Filtered: No Filter Type:

Water Level: 20.23 feet below TOC Drawdown: 0.19 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

**Form Completed By:** Brett Gillihan **Date:** 11/13/2025

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Ash Pond Monitoring Wells | **Monitoring Point:** | AP-14 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 015 |
| **W.O. Number (s):** | 25111404 | **Date (s):** | 11/13/2025 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 61 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 12:58 PM

Static Water Level: 4.73 feet below TOC

Total Depth: 31.20 feet below TOC

Water Column: 26.47 feet

**Purging Activities**

Purged By: DC Purge Date: 11/13/2025

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 26.47 ft. x 0.022 = 0.58 L x 3 Vol. = 1.74 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 12:58 | 0.0 | 250 | purge start time | | | | | | |
| 13:02 | 1.0 | ↓ | 6.54 | 2,343.50 | 15.76 | 1.48 | 100.60 | 7.88 | |
| 13:05 | 1.8 | | 6.32 | 2,404.80 | 15.50 | 1.14 | 96.50 | 10.68 | |
| 13:08 | 2.5 | | 6.26 | 2,426.70 | 15.55 | 1.01 | 91.00 | 10.78 | |
| 13:11 | 3.3 | | 6.24 | 2,426.70 | 15.45 | 0.92 | 86.10 | 6.63 | |
| 13:14 | 4.0 | | 6.24 | 2,428.40 | 15.32 | 0.87 | 81.70 | 10.77 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 11/13/2025 13:14

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.24 pH 2,428.40 Spec. Cond. 15.32 Temp

Field Filtered: No Filter Type:

Water Level: 5.72 feet below TOC Drawdown: 0.99 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

**Form Completed By:** Brett Gillihan **Date:** 11/13/2025

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Ash Pond Monitoring Wells | **Monitoring Point:** | T-1 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 016 |
| **W.O. Number (s):** | 25111404 | **Date (s):** | 11/13/2025 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 59 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 11:59 AM

Static Water Level: 14.88 feet below TOC

Total Depth: 22.95 feet below TOC

Water Column: 8.07 feet

**Purging Activities**

Purged By: DC Purge Date: 11/13/2025

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 8.07 ft. x 0.022 = 0.18 L x 3 Vol. = 0.54 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 11:59 | 0.0 | 182 | purge start time | | | | | | |
| 12:09 | 1.8 | ↓ | 4.55 | 1,799.20 | 15.01 | 1.33 | 90.40 | 22.53 | |
| 12:12 | 2.4 | | 4.56 | 1,808.20 | 15.04 | 1.16 | 92.50 | 18.66 | |
| 12:15 | 2.9 | | 4.56 | 1,806.40 | 14.67 | 1.09 | 94.50 | 19.13 | |
| 12:18 | 3.5 | | 4.55 | 1,802.50 | 14.55 | 1.05 | 96.30 | 19.30 | |
| 12:21 | 4.0 | | 4.54 | 1,805.40 | 14.61 | 1.01 | 98.00 | 18.23 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 11/13/2025 12:21

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 4.54 pH 1,805.40 Spec. Cond. 14.61 Temp

Field Filtered: No Filter Type:

Water Level: 15.00 feet below TOC Drawdown: 0.12 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

**Form Completed By:** Brett Gillihan **Date:** 11/13/2025

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Ash Pond Monitoring Wells | **Monitoring Point:** | T-2 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 017 |
| **W.O. Number (s):** | 25111404 | **Date (s):** | 11/13/2025 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 50 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 10:03 AM

Static Water Level: 28.03 feet below TOC

Total Depth: 34.44 feet below TOC

Water Column: 6.41 feet

**Purging Activities**

Purged By: DC Purge Date: 11/13/2025

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 6.41 ft. x 0.022 = 0.14 L x 3 Vol. = 0.42 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 10:03 | 0.0 | 286 | purge start time | | | | | | |
| 10:06 | 0.9 | ↓ | 5.04 | 2,305.20 | 12.48 | 1.82 | -2.60 | 10.05 | |
| 10:09 | 1.7 | | 4.88 | 2,310.90 | 12.45 | 1.45 | -14.60 | 6.50 | |
| 10:12 | 2.6 | | 4.88 | 2,311.30 | 12.46 | 1.28 | -22.50 | 5.82 | |
| 10:15 | 3.4 | | 4.88 | 2,310.50 | 12.50 | 1.17 | -28.30 | 5.41 | |
| 10:18 | 4.3 | | 4.89 | 2,309.10 | 12.51 | 1.12 | -32.80 | 5.12 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 11/13/2025 10:17

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 4.89 pH 2,309.10 Spec. Cond. 12.51 Temp

Field Filtered: No Filter Type:

Water Level: 28.36 feet below TOC Drawdown: 0.33 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

**Form Completed By:** Brett Gillihan **Date:** 11/13/2025

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Ash Pond Monitoring Wells | **Monitoring Point:** | T-4 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 018 |
| **W.O. Number (s):** | 25111404 | **Date (s):** | 11/13/2025 |

**Field Team Members**

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Affiliation:

**Weather Conditions**

Temp: 51 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

**Well Observations**

| | | Locks | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | | | |
| Casing | Good | Protective Casing | | X |
| Protective Casing | Good | Well | | X |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 9:54 AM

Static Water Level: 20.08 feet below TOC

Total Depth: 27.42 feet below TOC

Water Column: 7.34 feet

**Purging Activities**

Purged By: JC Purge Date: 11/13/2025

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 7.34 ft. x 0.022 = 0.16 L x 3 Vol. = 0.48 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 7.00 L

Physical appearance of purge water: Clear Odor: None Color: none

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 9:56 | 0.0 | 226 | purge start time | | | | | | |
| 10:03 | 1.6 | ↓ | 6.80 | 974.50 | 13.53 | 0.89 | -52.80 | 76.61 | |
| 10:06 | 2.3 | | 6.72 | 788.60 | 13.54 | 0.92 | -40.60 | 77.88 | |
| 10:09 | 2.9 | | 6.64 | 643.10 | 13.61 | 0.92 | -16.00 | 55.17 | |
| 10:12 | 3.6 | | 6.41 | 549.70 | 13.63 | 1.56 | 16.90 | 23.06 | |
| 10:15 | 4.3 | | 6.35 | 534.90 | 13.70 | 1.53 | 25.70 | 12.29 | |
| 10:18 | 5.0 | | 6.36 | 537.20 | 13.70 | 1.37 | 23.10 | 8.95 | |
| 10:21 | 5.6 | | 6.39 | 544.00 | 13.71 | 1.17 | 16.10 | 5.85 | |
| 10:24 | 6.3 | | 6.41 | 546.60 | 13.71 | 1.05 | 9.80 | 6.95 | |
| 10:27 | 7.0 | | 6.43 | 544.70 | 13.79 | 0.95 | 4.80 | 3.56 | |

**Sampling Activities**

Sampled By: JC Sample Date/Time: 11/13/2025 10:27

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.43 pH 544.70 Spec. Cond. 13.79 Temp

Field Filtered: No Filter Type:

Water Level: 21.34 feet below TOC Drawdown: 1.26 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

**Form Completed By:** Justin Colp **Date:** 11/13/2025

# Field Data Sheet

**Project Name:** Ash Pond Monitoring Wells
**Project Location:** Springfield, IL
**W.O. Number (s):** 25111404
**Monitoring Point:** T-5
**Sample ID:** 019
**Date (s):** 11/13/2025

**Field Team Members**

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

**Weather Conditions**

Temp: 54 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| Locks | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 10:43 AM
Static Water Level: 13.99 feet below TOC
Total Depth: 22.34 feet below TOC
Water Column: 8.35 feet

**Purging Activities**

Purged By: JC Purge Date: 11/13/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 8.35 ft. x 0.022 = 0.18 L x 3 Vol. = 0.54 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 10:45 | 0.0 | 250 | purge start time | | | | | | |
| 10:52 | 1.7 | ↓ | 6.61 | 693.90 | 16.13 | 1.64 | 26.50 | 5.52 | |
| 10:55 | 2.5 | | 6.62 | 693.50 | 16.43 | 1.44 | 40.20 | 5.55 | |
| 10:58 | 3.3 | | 6.63 | 707.50 | 16.55 | 1.46 | 47.70 | 6.87 | |
| 11:01 | 4.0 | | 6.64 | 726.40 | 16.76 | 1.36 | 48.10 | 6.04 | |

**Sampling Activities**

Sampled By: JC Sample Date/Time: 11/13/2025 11:01
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.64 pH 726.40 Spec. Cond. 16.76 Temp
Field Filtered: No Filter Type:
Water Level: 15.53 feet below TOC Drawdown: 1.54 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

**Form Completed By:** Justin Colp **Date:** 11/13/2025

# Field Data Sheet

**Project Name:** Ash Pond Monitoring Wells
**Project Location:** Springfield, IL
**W.O. Number (s):** 25111404
**Monitoring Point:** T-6
**Sample ID:** 020
**Date (s):** 11/13/2025

**Field Team Members**

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

**Weather Conditions**

Temp: 56 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| Locks | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 11:17 AM

Static Water Level: 11.98 feet below TOC
Total Depth: 43.62 feet below TOC
Water Column: 31.64 feet

**Purging Activities**

Purged By: JC — Purge Date: 11/13/2025
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 31.64 ft. x 0.022 = 0.7 L x 3 Vol. = 2.1 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: none

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 11:19 | 0.0 | 269 | purge start time | | | | | | |
| 11:23 | 1.1 | ↓ | 6.72 | 944.50 | 14.91 | 1.17 | -133.30 | 15.17 | |
| 11:26 | 1.9 | | 6.74 | 942.00 | 14.62 | 0.91 | -136.30 | 26.27 | |
| 11:29 | 2.7 | | 6.75 | 940.40 | 14.42 | 0.82 | -136.60 | 31.41 | |
| 11:32 | 3.5 | | 6.76 | 939.70 | 14.36 | 0.78 | -136.70 | 35.26 | |

**Sampling Activities**

Sampled By: JC — Sample Date/Time: 11/13/2025 11:32
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.76 pH — 939.70 Spec. Cond. — 14.36 Temp
Field Filtered: No — Filter Type:
Water Level: 12.03 feet below TOC — Drawdown: 0.05 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

**Form Completed By:** Justin Colp — **Date:** 11/13/2025

# Field Data Sheet

**Project Name:** Ash Pond Monitoring Wells
**Project Location:** Springfield, IL
**W.O. Number (s):** 25111404
**Monitoring Point:** AW-1
**Sample ID:** 021
**Date (s):** 11/13/2025

**Field Team Members**

Name: Allison Lampe Affiliation: TekLab, Inc.
Name: Drew Nieters Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 65 °F Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| Locks | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 1:29 PM
Static Water Level: 19.26 feet below TOC
Total Depth: 54.81 feet below TOC
Water Column: 35.55 feet

**Purging Activities**

Purged By: AL Purge Date: 11/13/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 35.55 ft. x 0.022 = 0.78 L x 3 Vol. = 2.34 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 13:29 | 0.0 | 333 | purge start time | | | | | | |
| 13:38 | 3.0 | ↓ | 6.66 | 1,370.30 | 15.00 | 3.88 | 11.80 | 20.63 | |
| 13:41 | 4.0 | | 6.64 | 1,369.10 | 14.91 | 3.46 | 12.00 | 17.55 | |
| 13:44 | 5.0 | | 6.63 | 1,367.00 | 14.87 | 3.14 | 11.40 | 12.33 | |
| 13:47 | 6.0 | | 6.62 | 1,363.50 | 14.83 | 2.89 | 10.60 | 9.76 | |

**Sampling Activities**

Sampled By: Dn Sample Date/Time: 11/13/2025 13:47
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.62 pH 1,363.50 Spec. Cond. 14.83 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 22.13 feet below TOC Drawdown: 2.87 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45280

**Form Completed By:** A Nieters **Date:** 11/13/2025

# Field Data Sheet

**Project Name:** Ash Pond Monitoring Wells
**Project Location:** Springfield, IL
**W.O. Number (s):** 25111404
**Monitoring Point:** G120
**Sample ID:** 022
**Date (s):** 11/13/2025

**Field Team Members**

Name: Allison Lampe Affiliation: TekLab, Inc.
Name: Drew Nieters Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 49 °F Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| Locks | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 11/13/25 10:04 AM
Static Water Level: 20.72 feet below TOC
Total Depth: 50.37 feet below TOC
Water Column: 29.65 feet

**Purging Activities**

Purged By: Al Purge Date: 11/13/2025
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 29.65 ft. x 0.022 = 0.65 L x 3 Vol. = 1.95 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Cloudy Odor: Moderate Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 10:04 | 0.0 | 333 | purge start time | | | | | | |
| 10:13 | 3.0 | ↓ | 6.68 | 1,759.90 | 15.18 | 3.75 | 34.50 | 31.85 | |
| 10:16 | 4.0 | | 6.67 | 1,753.40 | 15.21 | 3.29 | 30.90 | 42.73 | |
| 10:19 | 5.0 | | 6.67 | 1,749.00 | 15.17 | 2.96 | 27.90 | 43.19 | |
| 10:22 | 6.0 | | 6.67 | 1,748.40 | 15.51 | 2.70 | 25.10 | 38.98 | |

**Sampling Activities**

Sampled By: DN Sample Date/Time: 11/13/2025 10:22
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 6.67 pH 1,748.40 Spec. Cond. 15.51 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 20.81 feet below TOC Drawdown: 0.09 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45280

**Form Completed By:** A Nieters Date: 11/13/2025

**Site Samping Event:** Ash Pond Mon. Wells
**LIMS Workorder:** 25110404
**Technician(s):** DC, JC, BG, AL, DN

**Field Calibration Log(s)**
**CWLP- 4Q 2025**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 217941 Technician(s): justin colp Date: 11/12/2025

| pH Standards | LIMS ID | Calibration reading | Date/Time |
|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.00 | 11/12/25 11:40 |
| 7.0 Buffer | WC251017B | 7.00 | 11/12/25 11:37 |
| 10.0 Buffer | WC251017C | 10.00 | 11/12/25 11:44 |
| LCS/CCV (7.0 Buffer) | WC251017D | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 107107 | 1412 | 11/12/25 11:50 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.85 | 11/12/25 11:52 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| | | | |

| D.O. Saturation | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| 100% | N/A | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-1-JC | LCS | 11/12/25 11:55 | 15.3 | 7.01 | 1,409 | 0.83 | | |
| CCV-1-JC | CCV | 11/12/25 14:17 | 19.1 | 6.98 | 1,377 | 0.96 | | |

**Comments:**

Field Meter ID: Pine 217941 Technician(s): justin colp Date: 11/13/2025

| pH Standards | LIMS ID | Calibration reading | Date/Time |
|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.00 | 11/13/25 8:37 |
| 7.0 Buffer | WC251017B | 7.00 | 11/13/25 8:33 |
| 10.0 Buffer | WC251017C | 10.00 | 11/13/25 8:40 |
| LCS/CCV (7.0 Buffer) | WC251017D | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 107107 | 1412 | 11/13/25 8:46 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.93 | 11/13/25 8:47 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| | | | |

| D.O. Saturation | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| 100% | N/A | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-2-JC | LCS | 11/13/25 8:52 | 12 | 6.97 | 1,409 | 0.87 | | |
| CCV-2-JC | CCV | 11/13/25 14:47 | 18.6 | 7.02 | 1,364 | 1.61 | | |

**Comments:**

**Site Samping Event:** Ash Pond Mon. Wells
**LIMS Workorder:** 25110404
**Technician(s):** DC, JC, BG, AL, DN

**Field Calibration Log(s)**
**CWLP- 4Q 2025**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45280 Technician(s): D. Nieters Date: 11/12/2025

| pH Standards | LIMS ID | Calibration reading | Date/Time |
|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.00 | 11/12/25 10:56 |
| 7.0 Buffer | WC251017B | 7.00 | 11/12/25 10:50 |
| 10.0 Buffer | WC251017C | 10.00 | 11/12/25 11:05 |
| LCS/CCV (7.0 Buffer) | WC251017D | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 107107 | 1418 | 11/12/25 11:09 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.64 | 11/12/25 11:16 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| | | | |

| D.O. Saturation | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| 100% | N/A | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-1-DN | LCS | 11/12/25 11:17 | 18.9 | 7.05 | 1,418 | 0.64 | | |
| CCV-1-DN | CCV | 11/12/25 14:00 | 18.9 | 6.96 | 1,358 | 0.73 | | |

**Comments:**

Field Meter ID: Pine 45280 Technician(s): D. Nieters Date: 11/13/2025

| pH Standards | LIMS ID | Calibration reading | Date/Time |
|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.00 | 11/13/25 7:50 |
| 7.0 Buffer | WC251017B | 7.00 | 11/13/25 7:46 |
| 10.0 Buffer | WC251017C | 10.00 | 11/13/25 8:01 |
| LCS/CCV (7.0 Buffer) | WC251017D | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 107107 | 1390 | 11/13/25 8:11 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.82 | 11/13/25 8:24 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| | | | |

| D.O. Saturation | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| 100% | N/A | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-2-DN | LCS | 11/13/25 8:29 | 10.8 | 7.02 | 1,412 | 1.01 | | |
| CCV-2-DN | CCV | 11/13/25 14:15 | 19.6 | 6.98 | 1,356 | 0.89 | | |

**Comments:**

**Site Samping Event:** Ash Pond Mon. Wells
**LIMS Workorder:** 25110404
**Technician(s):** DC, JC, BG, AL, DN

**Field Calibration Log(s)**
**CWLP- 4Q 2025**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 223358 Technician(s): Brett Gillihan Date: 11/12/2025

| pH Standards | LIMS ID | Calibration reading | Date/Time |
|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.01 | 11/12/25 10:50 |
| 7.0 Buffer | WC251017B | 6.98 | 11/12/25 10:47 |
| 10.0 Buffer | WC251017C | 10.00 | 11/12/25 10:56 |
| LCS/CCV (7.0 Buffer) | WC251017D | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 107107 | 1425 | 11/12/25 11:03 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.35 | 11/12/25 11:04 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| | | | |

| D.O. Saturation | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| 100% | N/A | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-1-BG | LCS | 11/12/25 11:08 | 13.3 | 7.01 | 1,443 | 0.39 | | |
| CCV-1-BG | CCV | 11/12/25 14:34 | 13.8 | 7.03 | 1,448 | 0.46 | | |

**Comments:**

Field Meter ID: Pine 223358 Technician(s): Brett Gillihan Date: 11/13/2025

| pH Standards | LIMS ID | Calibration reading | Date/Time |
|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.02 | 11/13/25 8:39 |
| 7.0 Buffer | WC251017B | 7.00 | 11/13/25 8:35 |
| 10.0 Buffer | WC251017C | 10.01 | 11/13/25 8:46 |
| LCS/CCV (7.0 Buffer) | WC251017D | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 107107 | 1427 | 11/13/25 8:50 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.48 | 11/13/25 8:53 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| | | | |

| D.O. Saturation | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| 100% | N/A | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-2-BG | LCS | 11/13/25 8:58 | 14.3 | 7.03 | 1,439 | 0.52 | | |
| CCV-2-BG | CCV | 11/13/25 14:46 | 16.3 | 7.02 | 1,451 | 0.53 | | |

**Comments:**

*Alliance Technical Group - Akron*
*3310 Win St.*
*Cuyahoga Falls, Ohio 44223*
*TEL: (330) 253-8211*
*Website: http://www.settek.com*

January 08, 2026

Shelly Hennessy
TEKLAB Inc,
5445 Horseshoe lake Road
Collinsville, IL 62234
TEL:
FAX:

RE: 25110404

Dear Shelly Hennessy:

Order No.: 25111579

Alliance Technical Group - Akron received 22 sample(s) on 11/19/2025 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

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

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0828, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

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# Case Narrative

WO#: **25111579**
Date: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Project:** 25110404

WorkOrder Narrative:
25111579: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Alliance Technical Group Work Order Number assigned to this report.

Alliance Technical Group holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Alliance Technical Group and that of the customer. It cannot be reproduced in any form without the consent of Alliance Technical Group or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Alliance Technical Group is not responsible for use or interpretation of the data included herein.

All results for solid samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Analytical Sequence Sample Notes:
25111579-009A Radium-228_NPW(904.0): Parent sample and duplicate exhibit a high RPD, most likely caused by sample matrix.
25111579-010A Radium-226_NPW(903.0): Parent sample and dup exhibit high RPD, both results are below the PQL.

Analytical Sequence QC Notes:
LCS/LCSD-90886 Radium-228_DW(904.0): LCS and LCSD exhibited high RPD. Both are within passing recovery criteria.

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Cuyahoga Falls, Ohio 44223
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# Qualifiers and Acronyms

WO#: **25111579**
Date: **1/8/2026**

These commonly used Qualifiers and Acronyms may or may not be present in this report.

**Qualifiers**

| | |
|---|---|
| **U** | The compound was analyzed for but was not detected above the MDL. |
| **J** | The reported value is greater than the Method Detection Limit but less than the Reporting Limit. |
| **H** | The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant. |
| **D** | The result is reported from a dilution. |
| **E** | The result exceeded the linear range of the calibration or is estimated due to interference. |
| **MC** | The result is below the Minimum Compound Limit. |
| ***** | The result exceeds the Regulatory Limit or Maximum Contamination Limit. |
| **m** | Manual integration was used to determine the area response. |
| **d** | Manual integration in which peak was deleted |
| **N** | The result is presumptive based on a Mass Spectral library search assuming a 1:1 response. |
| **P** | The second column confirmation exceeded 25% difference. |
| **C** | The result has been confirmed by GC/MS. |
| **X** | The result was not confirmed when GC/MS Analysis was performed. |
| **B** | The analyte was detected in the Method Blank at a concentration greater than the RL. |
| **MB+** | The analyte was detected in the Method Blank at a concentration greater than the MDL. |
| **G** | The ICB or CCB contained reportable amounts of analyte. |
| **QC-/+** | The CCV recovery failed low (-) or high (+). |
| **R/QDR** | The RPD was outside of accepted recovery limits. |
| **QL-/+** | The LCS or LCSD recovery failed low (-) or high (+). |
| **QLR** | The LCS/LCSD RPD was outside of accepted recovery limits. |
| **QM-/+** | The MS or MSD recovery failed low (-) or high (+). |
| **QMR** | The MS/MSD RPD was outside of accepted recovery limits. |
| **QV-/+** | The ICV recovery failed low (-) or high (+). |
| **S** | The spike result was outside of accepted recovery limits. |
| **W** | Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant. |
| **Z** | Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information |

**Acronyms**

| | | | |
|---|---|---|---|
| **ND** | Not Detected | **RL** | Reporting Limit |
| **QC** | Quality Control | **MDL** | Method Detection Limit |
| **MB** | Method Blank | **LOD** | Level of Detection |
| **LCS** | Laboratory Control Sample | **LOQ** | Level of Quantitation |
| **LCSD** | Laboratory Control Sample Duplicate | **PQL** | Practical Quantitation Limit |
| **QCS** | Quality Control Sample | **CRQL** | Contract Required Quantitation Limit |
| **DUP** | Duplicate | **PL** | Permit Limit |
| **MS** | Matrix Spike | **RegLvl** | Regulatory Limit |
| **MSD** | Matrix Spike Duplicate | **MCL** | Maximum Contamination Limit |
| **RPD** | Relative Percent Different | **MinCL** | Minimum Compound Limit |
| **ICV** | Initial Calibration Verification | **RA** | Reanalysis |
| **ICB** | Initial Calibration Blank | **RE** | Reextraction |
| **CCV** | Continuing Calibration Verification | **TIC** | Tentatively Identified Compound |
| **CCB** | Continuing Calibration Blank | **RT** | Retention Time |
| **RLC** | Reporting Limit Check | **CF** | Calibration Factor |

**This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.**

Alliance Technical Group - Akron
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Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211
Website: http://www.settek.com

# Workorder Sample Summary

WO#: **25111579**

***08-Jan-26***

**CLIENT:** TEKLAB Inc,
**Project:** 25110404

| Lab SampleID | Client Sample ID | Tag No | Date Collected | Date Received | Matrix |
|---|---|---|---|---|---|
| 25111579-001 | 25110404-001C | | 11/12/2025 12:22:01 PM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-002 | 25110404-002C | | 11/13/2025 2:25:00 PM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-003 | 25110404-003C | | 11/12/2025 1:57:00 PM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-004 | 25110404-004C | | 11/12/2025 1:17:00 PM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-005 | 25110404-005C | | 11/13/2025 1:43:00 PM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-006 | 25110404-006C | | 11/13/2025 1:04:00 PM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-007 | 25110404-007C | | 11/13/2025 12:58:00 PM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-008 | 25110404-008C | | 11/13/2025 12:19:00 PM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-009 | 25110404-009C | | 11/13/2025 1:53:00 PM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-010 | 25110404-010C | | 11/13/2025 9:38:00 AM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-011 | 25110404-011C | | 11/12/2025 2:32:00 PM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-012 | 25110404-012C | | 11/13/2025 9:40:00 AM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-013 | 25110404-013C | | 11/13/2025 11:04:00 AM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-014 | 25110404-014C | | 11/13/2025 11:40:00 AM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-015 | 25110404-015C | | 11/13/2025 1:14:00 PM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-016 | 25110404-016C | | 11/13/2025 12:21:00 PM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-017 | 25110404-017C | | 11/13/2025 10:17:00 AM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-018 | 25110404-018C | | 11/13/2025 10:27:00 AM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-019 | 25110404-019C | | 11/13/2025 11:01:00 AM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-020 | 25110404-020C | | 11/13/2025 11:32:00 AM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-021 | 25110404-021C | | 11/13/2025 1:47:00 PM | 11/19/2025 11:20:00 AM | Non-Potable Water |
| 25111579-022 | 25110404-022C | | 11/13/2025 10:22:00 AM | 11/19/2025 11:20:00 AM | Non-Potable Water |

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# DATES REPORT

WO#: **25111579**

***08-Jan-26***

**Client:** TEKLAB Inc,
**Project:** 25110404

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | Leachate Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|---|
| 25111579-001A | 25110404-001C | 11/12/2025 12:22:01 PM | Non-Potable Water | Combined Radium (EPA903+904) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:12 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:36 AM |
| | | | | Radium-228 (EPA 9320) | | 12/19/2025 11:10:00 AM | 1/2/2026 11:20:00 AM |
| 25111579-002A | 25110404-002C | 11/13/2025 2:25:00 PM | | Combined Radium (EPA903+904) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:12 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:36 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/19/2025 11:10:00 AM | 1/2/2026 11:20:00 AM |
| 25111579-003A | 25110404-003C | 11/12/2025 1:57:00 PM | | Combined Radium (EPA903+904) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:12 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:36 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/19/2025 11:10:00 AM | 1/2/2026 11:20:00 AM |
| 25111579-004A | 25110404-004C | 11/12/2025 1:17:00 PM | | Combined Radium (EPA903+904) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:12 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:36 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/19/2025 11:10:00 AM | 1/2/2026 11:20:00 AM |
| 25111579-005A | 25110404-005C | 11/13/2025 1:43:00 PM | | Combined Radium (EPA903+904) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:12 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:36 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/19/2025 11:10:00 AM | 1/2/2026 11:20:00 AM |
| 25111579-006A | 25110404-006C | 11/13/2025 1:04:00 PM | | Combined Radium (EPA903+904) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:12 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:36 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/19/2025 11:10:00 AM | 1/2/2026 11:20:00 AM |
| 25111579-007A | 25110404-007C | 11/13/2025 12:58:00 PM | | Combined Radium (EPA903+904) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:12 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:36 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/19/2025 11:10:00 AM | 1/2/2026 11:20:00 AM |
| 25111579-008A | 25110404-008C | 11/13/2025 12:19:00 PM | | Combined Radium (EPA903+904) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:12 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:36 AM |

Original

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Website: http://www.settek.com

# DATES REPORT

WO#: **25111579**

***08-Jan-26***

**Client:** TEKLAB Inc,
**Project:** 25110404

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | Leachate Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|---|
| 25111579-008A | 25110404-008C | 11/13/2025 12:19:00 PM | Non-Potable Water | Radium-228 (EPA 904.0) | | 12/19/2025 11:10:00 AM | 1/2/2026 11:20:00 AM |
| 25111579-009A | 25110404-009C | 11/13/2025 1:53:00 PM | | Combined Radium (EPA903+904) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:12 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:36 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/19/2025 11:10:00 AM | 1/2/2026 11:20:00 AM |
| 25111579-010A | 25110404-010C | 11/13/2025 9:38:00 AM | | Combined Radium (EPA903+904) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:12 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/19/2025 11:10:00 AM | 12/19/2025 11:15:36 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/19/2025 11:10:00 AM | 1/2/2026 11:20:00 AM |
| 25111579-011A | 25110404-011C | 11/12/2025 2:32:00 PM | | Combined Radium (EPA903+904) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/22/2025 8:14:08 AM | 1/2/2026 1:47:00 PM |
| 25111579-012A | 25110404-012C | 11/13/2025 9:40:00 AM | | Combined Radium (EPA903+904) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/22/2025 8:14:08 AM | 1/2/2026 1:47:00 PM |
| 25111579-013A | 25110404-013C | 11/13/2025 11:04:00 AM | | Combined Radium (EPA903+904) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/22/2025 8:14:08 AM | 1/2/2026 1:47:00 PM |
| 25111579-014A | 25110404-014C | 11/13/2025 11:40:00 AM | | Combined Radium (EPA903+904) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/22/2025 8:14:08 AM | 1/2/2026 1:47:00 PM |
| 25111579-015A | 25110404-015C | 11/13/2025 1:14:00 PM | | Combined Radium (EPA903+904) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/22/2025 8:14:08 AM | 1/2/2026 1:47:00 PM |
| 25111579-016A | 25110404-016C | 11/13/2025 12:21:00 PM | | Combined Radium (EPA903+904) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |

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Website: http://www.settek.com

# DATES REPORT

WO#: **25111579**

***08-Jan-26***

**Client:** TEKLAB Inc,
**Project:** 25110404

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | Leachate Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|---|
| 25111579-016A | 25110404-016C | 11/13/2025 12:21:00 PM | Non-Potable Water | Radium-226 (EPA 903.0) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/22/2025 8:14:08 AM | 1/2/2026 1:47:00 PM |
| 25111579-017A | 25110404-017C | 11/13/2025 10:17:00 AM | | Combined Radium (EPA903+904) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/22/2025 8:14:08 AM | 1/2/2026 1:47:00 PM |
| 25111579-018A | 25110404-018C | 11/13/2025 10:27:00 AM | | Combined Radium (EPA903+904) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/22/2025 8:14:08 AM | 1/2/2026 1:47:00 PM |
| 25111579-019A | 25110404-019C | 11/13/2025 11:01:00 AM | | Combined Radium (EPA903+904) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/22/2025 8:14:08 AM | 1/2/2026 1:47:00 PM |
| 25111579-020A | 25110404-020C | 11/13/2025 11:32:00 AM | | Combined Radium (EPA903+904) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/22/2025 8:14:08 AM | 1/2/2026 1:47:00 PM |
| 25111579-021A | 25110404-021C | 11/13/2025 1:47:00 PM | | Combined Radium (EPA903+904) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/22/2025 8:14:08 AM | 1/2/2026 1:47:00 PM |
| 25111579-022A | 25110404-022C | 11/13/2025 10:22:00 AM | | Combined Radium (EPA903+904) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 12/22/2025 8:14:08 AM | 1/6/2026 8:26:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 12/22/2025 8:14:08 AM | 1/2/2026 1:47:00 PM |

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# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/12/2025 12:22:01 PM
**Project:** 25110404
**Lab ID:** 25111579-001
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-001C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **KM** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.380 | 1 | 12/19/2025 11:15:12 A |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **KM** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0800 | 1 | 12/19/2025 11:15:36 A |
| Yield | 0.940 | | | | | 1 | 12/19/2025 11:15:36 A |
| **RADIUM-228 (EPA 9320)** | | | | | **SW9320** | **E903-904** | Analyst: **KM** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.300 | 1 | 1/2/2026 11:20:00 AM |
| Yield | 1.00 | | | | | 1 | 1/2/2026 11:20:00 AM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | |

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# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 2:25:00 PM
**Project:** 25110404
**Lab ID:** 25111579-002
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-002C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **KM** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.440 | 1 | 12/19/2025 11:15:12 A |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **KM** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.100 | 1 | 12/19/2025 11:15:36 A |
| Yield | 0.780 | | | | | 1 | 12/19/2025 11:15:36 A |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **KM** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.340 | 1 | 1/2/2026 11:20:00 AM |
| Yield | 0.830 | | | | | 1 | 1/2/2026 11:20:00 AM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | |

Original

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# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/12/2025 1:57:00 PM
**Project:** 25110404
**Lab ID:** 25111579-003
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-003C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **KM** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.380 | 1 | 12/19/2025 11:15:12 A |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **KM** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0800 | 1 | 12/19/2025 11:15:36 A |
| Yield | 0.870 | | | | | 1 | 12/19/2025 11:15:36 A |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **KM** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.300 | 1 | 1/2/2026 11:20:00 AM |
| Yield | 0.930 | | | | | 1 | 1/2/2026 11:20:00 AM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

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# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/12/2025 1:17:00 PM
**Project:** 25110404
**Lab ID:** 25111579-004
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-004C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **KM** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.400 | 1 | 12/19/2025 11:15:12 A |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **KM** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0700 | 1 | 12/19/2025 11:15:36 A |
| Yield | 0.950 | | | | | 1 | 12/19/2025 11:15:36 A |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **KM** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.330 | 1 | 1/2/2026 11:20:00 AM |
| Yield | 0.960 | | | | | 1 | 1/2/2026 11:20:00 AM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | |

Original

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# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 1:43:00 PM
**Project:** 25110404
**Lab ID:** 25111579-005
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-005C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **KM** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.470 | 1 | 12/19/2025 11:15:12 A |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **KM** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.130 | 1 | 12/19/2025 11:15:36 A |
| Yield | 0.990 | | | | | 1 | 12/19/2025 11:15:36 A |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **KM** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.340 | 1 | 1/2/2026 11:20:00 AM |
| Yield | 1.00 | | | | | 1 | 1/2/2026 11:20:00 AM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

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# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 1:04:00 PM
**Project:** 25110404
**Lab ID:** 25111579-006
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-006C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **KM** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.370 | 1 | 12/19/2025 11:15:12 A |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **KM** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0400 | 1 | 12/19/2025 11:15:36 A |
| Yield | 0.930 | | | | | 1 | 12/19/2025 11:15:36 A |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **KM** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.330 | 1 | 1/2/2026 11:20:00 AM |
| Yield | 1.00 | | | | | 1 | 1/2/2026 11:20:00 AM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

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Website: http://www.settek.com

# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 12:58:00 PM
**Project:** 25110404
**Lab ID:** 25111579-007
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-007C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **KM** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.410 | 1 | 12/19/2025 11:15:12 A |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **KM** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0700 | 1 | 12/19/2025 11:15:36 A |
| Yield | 0.970 | | | | | 1 | 12/19/2025 11:15:36 A |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **KM** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.340 | 1 | 1/2/2026 11:20:00 AM |
| Yield | 0.960 | | | | | 1 | 1/2/2026 11:20:00 AM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | |

Original

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Website: http://www.settek.com

# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 12:19:00 PM
**Project:** 25110404
**Lab ID:** 25111579-008
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-008C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **KM** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.410 | 1 | 12/19/2025 11:15:12 A |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **KM** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0700 | 1 | 12/19/2025 11:15:36 A |
| Yield | 0.940 | | | | | 1 | 12/19/2025 11:15:36 A |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **KM** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.340 | 1 | 1/2/2026 11:20:00 AM |
| Yield | 1.00 | | | | | 1 | 1/2/2026 11:20:00 AM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

Alliance Technical Group - Akron
3310 Win St.
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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 1:53:00 PM
**Project:** 25110404
**Lab ID:** 25111579-009
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-009C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **KM** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.590 | 1 | 12/19/2025 11:15:12 A |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **KM** |
| Radium-226 | 1.37 | 1.00 | | pCi/L | ± 0.160 | 1 | 12/19/2025 11:15:36 A |
| Yield | 0.990 | | | | | 1 | 12/19/2025 11:15:36 A |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **KM** |
| Radium-228 | ND | 1.00 | QDR | pCi/L | ± 0.430 | 1 | 1/2/2026 11:20:00 AM |
| Yield | 1.00 | | | | | 1 | 1/2/2026 11:20:00 AM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

Alliance Technical Group - Akron
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Website: http://www.settek.com

# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 9:38:00 AM
**Project:** 25110404
**Lab ID:** 25111579-010
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-010C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **KM** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.420 | 1 | 12/19/2025 11:15:12 A |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **KM** |
| Radium-226 | ND | 1.00 | QDR | pCi/L | ± 0.110 | 1 | 12/19/2025 11:15:36 A |
| Yield | 0.960 | | | | | 1 | 12/19/2025 11:15:36 A |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **KM** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.310 | 1 | 1/2/2026 11:20:00 AM |
| Yield | 1.00 | | | | | 1 | 1/2/2026 11:20:00 AM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

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# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/12/2025 2:32:00 PM
**Project:** 25110404
**Lab ID:** 25111579-011
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-011C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.550 | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | 1.01 | 1.00 | | pCi/L | ± 0.140 | 1 | 1/6/2026 8:26:00 AM |
| Yield | 1.00 | | | | | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.410 | 1 | 1/2/2026 1:47:00 PM |
| Yield | 1.00 | | | | | 1 | 1/2/2026 1:47:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

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# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 9:40:00 AM
**Project:** 25110404
**Lab ID:** 25111579-012
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-012C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.340 | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0500 | 1 | 1/6/2026 8:26:00 AM |
| Yield | 1.00 | | | | | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.290 | 1 | 1/2/2026 1:47:00 PM |
| Yield | 1.00 | | | | | 1 | 1/2/2026 1:47:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

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# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 11:04:00 AM
**Project:** 25110404
**Lab ID:** 25111579-013
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-013C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.380 | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0500 | 1 | 1/6/2026 8:26:00 AM |
| Yield | 0.980 | | | | | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.330 | 1 | 1/2/2026 1:47:00 PM |
| Yield | 1.00 | | | | | 1 | 1/2/2026 1:47:00 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | |

Original

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# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 11:40:00 AM
**Project:** 25110404
**Lab ID:** 25111579-014
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-014C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.400 | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.100 | 1 | 1/6/2026 8:26:00 AM |
| Yield | 0.930 | | | | | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.300 | 1 | 1/2/2026 1:47:00 PM |
| Yield | 1.00 | | | | | 1 | 1/2/2026 1:47:00 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | |

Original

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# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 1:14:00 PM
**Project:** 25110404
**Lab ID:** 25111579-015
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-015C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.630 | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0900 | 1 | 1/6/2026 8:26:00 AM |
| Yield | 0.990 | | | | | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | 1.46 | 1.00 | | pCi/L | ± 0.540 | 1 | 1/2/2026 1:47:00 PM |
| Yield | 1.00 | | | | | 1 | 1/2/2026 1:47:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

Alliance Technical Group - Akron
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# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 12:21:00 PM
**Project:** 25110404
**Lab ID:** 25111579-016
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-016C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.410 | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0500 | 1 | 1/6/2026 8:26:00 AM |
| Yield | 1.00 | | | | | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.360 | 1 | 1/2/2026 1:47:00 PM |
| Yield | 1.00 | | | | | 1 | 1/2/2026 1:47:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

Alliance Technical Group - Akron
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# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 10:17:00 AM
**Project:** 25110404
**Lab ID:** 25111579-017
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-017C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.560 | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.110 | 1 | 1/6/2026 8:26:00 AM |
| Yield | 0.950 | | | | | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.450 | 1 | 1/2/2026 1:47:00 PM |
| Yield | 0.990 | | | | | 1 | 1/2/2026 1:47:00 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | |

Original

Alliance Technical Group - Akron
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# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 10:27:00 AM
**Project:** 25110404
**Lab ID:** 25111579-018
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-018C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.480 | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0700 | 1 | 1/6/2026 8:26:00 AM |
| Yield | 1.00 | | | | | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.410 | 1 | 1/2/2026 1:47:00 PM |
| Yield | 1.00 | | | | | 1 | 1/2/2026 1:47:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

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# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 11:01:00 AM
**Project:** 25110404
**Lab ID:** 25111579-019
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-019C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.460 | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0800 | 1 | 1/6/2026 8:26:00 AM |
| Yield | 1.00 | | | | | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.380 | 1 | 1/2/2026 1:47:00 PM |
| Yield | 0.990 | | | | | 1 | 1/2/2026 1:47:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

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Website: http://www.settek.com

# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 11:32:00 AM
**Project:** 25110404
**Lab ID:** 25111579-020
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-020C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.510 | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.130 | 1 | 1/6/2026 8:26:00 AM |
| Yield | 0.890 | | | | | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.380 | 1 | 1/2/2026 1:47:00 PM |
| Yield | 0.990 | | | | | 1 | 1/2/2026 1:47:00 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | |

Original

Alliance Technical Group - Akron
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Website: http://www.settek.com

# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 1:47:00 PM
**Project:** 25110404
**Lab ID:** 25111579-021
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-021C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.450 | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0900 | 1 | 1/6/2026 8:26:00 AM |
| Yield | 1.00 | | | | | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.360 | 1 | 1/2/2026 1:47:00 PM |
| Yield | 1.00 | | | | | 1 | 1/2/2026 1:47:00 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | |

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

# Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 11/13/2025 10:22:00 AM
**Project:** 25110404
**Lab ID:** 25111579-022
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 25110404-022C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | 5.88 | 2.00 | | pCi/L | ± 0.880 | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | 3.94 | 1.00 | | pCi/L | ± 0.260 | 1 | 1/6/2026 8:26:00 AM |
| Yield | 1.00 | | | | | 1 | 1/6/2026 8:26:00 AM |
| **RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | 1.94 | 1.00 | | pCi/L | ± 0.620 | 1 | 1/2/2026 1:47:00 PM |
| Yield | 0.970 | | | | | 1 | 1/2/2026 1:47:00 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | |

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211
Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: **25111579**

***08-Jan-26***

**Client:** TEKLAB Inc,
**Project:** 25110404 **BatchID:** **90856**

Sample ID: **25111579-009ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **12/19/2025** RunNo: **224241**
Client ID: **25110404-009C** Batch ID: **90856** TestNo: **E904.0** **E903-904** Analysis Date: **1/2/2026** SeqNo: **5977079**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.25 | 1.00 | | 0 | 0 | | | 0.8400 | 39.2 | 30 | R |
| Yield | 1.00 | | | 0 | 0 | | | 1.000 | 0 | | |

Sample ID: **25111579-010ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **12/19/2025** RunNo: **224241**
Client ID: **25110404-010C** Batch ID: **90856** TestNo: **E904.0** **E903-904** Analysis Date: **1/2/2026** SeqNo: **5977081**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | ND | 1.00 | | 0 | 0 | | | 0 | 0 | 30 | |
| Yield | 0.930 | | | 0 | 0 | | | 1.000 | 7.25 | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| S | Spike Recovery outside accepted recovery limits | W | Sample container temperature is out of limit as specified at testcode | | |

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211
Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: **25111579**

***08-Jan-26***

**Client:** TEKLAB Inc,
**Project:** 25110404 **BatchID:** **90856**

Sample ID: **MB-90856** SampType: **MBLK** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **12/19/2025** RunNo: **224241**
Client ID: **BatchQC** Batch ID: **90856** TestNo: **SW9320** **E903-904** Analysis Date: **1/2/2026** SeqNo: **5977054**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | ND | 1.00 | | 0 | 0 | | | | | | |
| Yield | 0.970 | | | 0 | 0 | | | | | | |

Sample ID: **LCS-90856** SampType: **LCS** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **12/19/2025** RunNo: **224241**
Client ID: **BatchQC** Batch ID: **90856** TestNo: **SW9320** **E903-904** Analysis Date: **1/2/2026** SeqNo: **5977055**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 3.74 | 1.00 | 5.000 | 0 | 74.8 | 50 | 130 | | | | |
| Yield | 0.920 | | | 0 | 0 | | | | | | |

Sample ID: **LCSD-90856** SampType: **LCSD** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **12/19/2025** RunNo: **224241**
Client ID: **BatchQC** Batch ID: **90856** TestNo: **SW9320** **E903-904** Analysis Date: **1/2/2026** SeqNo: **5977056**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 3.41 | 1.00 | 5.000 | 0 | 68.2 | 50 | 130 | 3.740 | 9.23 | 20 | |
| Yield | 0.960 | | | 0 | 0 | | | 0.9200 | 4.26 | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| S | Spike Recovery outside accepted recovery limits | W | Sample container temperature is out of limit as specified at testcode | | |

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211
Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: **25111579**

***08-Jan-26***

**Client:** TEKLAB Inc,
**Project:** 25110404 **BatchID:** **90856**

| Sample ID: **MB-90856** | SampType: **MBLK** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **12/19/2025** | RunNo: **224246** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **90856** | TestNo: **E903.0** | **E903-904** | Analysis Date: **12/19/2025** | SeqNo: **5977140** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | | | | |
| Yield | 0.940 | | | | | | | | | | |

| Sample ID: **LCS-90856** | SampType: **LCS** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **12/19/2025** | RunNo: **224246** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **90856** | TestNo: **E903.0** | **E903-904** | Analysis Date: **12/19/2025** | SeqNo: **5977141** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 5.99 | 1.00 | 5.000 | 0 | 120 | 70 | 130 | | | | |

| Sample ID: **LCSD-90856** | SampType: **LCSD** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **12/19/2025** | RunNo: **224246** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **90856** | TestNo: **E903.0** | **E903-904** | Analysis Date: **12/19/2025** | SeqNo: **5977142** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 6.17 | 1.00 | 5.000 | 0 | 123 | 70 | 130 | 5.990 | 2.96 | 20 | |

| Sample ID: **25111579-009ADUP** | SampType: **DUP** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **12/19/2025** | RunNo: **224246** |
|---|---|---|---|---|---|
| Client ID: **25110404-009C** | Batch ID: **90856** | TestNo: **E903.0** | **E903-904** | Analysis Date: **12/19/2025** | SeqNo: **5977164** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| S | Spike Recovery outside accepted recovery limits | W | Sample container temperature is out of limit as specified at testcode | | |

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211
Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: **25111579**

***08-Jan-26***

**Client:** TEKLAB Inc,
**Project:** 25110404 **BatchID:** **90856**

Sample ID: **25111579-009ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **12/19/2025** RunNo: **224246**
Client ID: **25110404-009C** Batch ID: **90856** TestNo: **E903.0** **E903-904** Analysis Date: **12/19/2025** SeqNo: **5977164**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 1.48 | 1.00 | | | | | | 1.370 | 7.72 | 30 | |
| Yield | 0.900 | | | | | | | 0.9900 | 9.52 | 0 | |

Sample ID: **25111579-010ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **12/19/2025** RunNo: **224246**
Client ID: **25110404-010C** Batch ID: **90856** TestNo: **E903.0** **E903-904** Analysis Date: **12/19/2025** SeqNo: **5977166**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | 0 | 0 | 30 | R |
| Yield | 0.850 | | | | | | | 0.9600 | 12.2 | 0 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| S | Spike Recovery outside accepted recovery limits | W | Sample container temperature is out of limit as specified at testcode | | |

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211
Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: **25111579**

***08-Jan-26***

**Client:** TEKLAB Inc,
**Project:** 25110404 **BatchID:** **90886**

| Sample ID: **MB-90886** | SampType: **MBLK** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **12/22/2025** | RunNo: **224319** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **90886** | TestNo: **E903.0** | **E903-904** | Analysis Date: **1/6/2026** | SeqNo: **5979841** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | | | | |
| Yield | 1.00 | | | | | | | | | | |

| Sample ID: **LCS-90886** | SampType: **LCS** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **12/22/2025** | RunNo: **224319** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **90886** | TestNo: **E903.0** | **E903-904** | Analysis Date: **1/6/2026** | SeqNo: **5979842** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 5.13 | 1.00 | 5.000 | 0 | 103 | 70 | 130 | | | | |

| Sample ID: **LCSD-90886** | SampType: **LCSD** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **12/22/2025** | RunNo: **224319** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **90886** | TestNo: **E903.0** | **E903-904** | Analysis Date: **1/6/2026** | SeqNo: **5979843** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 5.24 | 1.00 | 5.000 | 0 | 105 | 70 | 130 | 5.130 | 2.12 | 20 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| S | Spike Recovery outside accepted recovery limits | W | Sample container temperature is out of limit as specified at testcode | | |

Original

25111579

# TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

**Teklab Inc**
**5445 Horseshoe Lake Road**
**Collinsville, IL 62234**

Cooler Temp: Sampler: Teklab Employee QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Analyze for Radium 226/228 per your normal method/s.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested.

Project# 25110404

Contact: Shelly Hennessy Email: shennessy@teklabinc.com
Requested Due Date: Standard TAT Billing/PO: 39856 Phone: 618-344-1004 ex 36 State of Sample Origin = IL

PLEASE NOTE:

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

| Lab Use | Sample ID | Sample Date/Time | Preservative | Matrix | Ra226/228 | Radium 226 | Radium 228 | pH | | | CPM | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 25110404-001C | 11/12/25 12:22 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 3 | 2 | 2 | 21 | 30 | 22 | | | |
| | 25110404-002C | 11/13/25 14:25 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 2 | 3 | 2 | 22 | 20 | 26 | | | |
| | 25110404-003C | 11/12/25 13:57 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 3 | 3 | 3 | 22 | 32 | 22 | | | |
| | 25110404-004C | 11/12/25 13:17 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 2 | 2 | 2 | 26 | 24 | 26 | | | |
| | 25110404-005C | 11/13/25 13:43 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 3 | 3 | 3 | 24 | 26 | 28 | | | |
| | 25110404-006C | 11/13/25 13:04 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 2 | 2 | 3 | 30 | 36 | 24 | | | |
| | 25110404-007C | 11/13/25 12:58 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 2 | 2 | 3 | 32 | 30 | 30 | | | |
| | 25110404-008C | 11/13/25 12:19 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 3 | 2 | 3 | 30 | 30 | 30 | | | |
| | 25110404-009C | 11/13/25 13:53 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 3 | 3 | 3 | 22 | 24 | 28 | | | |
| | 25110404-010C | 11/13/25 9:38 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 3 | 3 | 3 | 16 | 22 | 30 | | | |
| | 25110404-011C | 11/12/25 14:32 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 2 | 3 | 1 | 26 | 18 | 26 | | | |

| *Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| [signature] | 11/19/25 1700 | [signature] ~~11/20/25~~ | |
| | | Fedex 1120 11/19/25 | |
| | | 18.8+0.2=19.0 | |

C.S. 11/17/25 intact

19.0°C = 18.8+0.2

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

SubCocRevA
3/2/2016

# TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

**Teklab Inc**
**5445 Horseshoe Lake Road**
**Collinsville, IL 62234**

Cooler Temp: | Sampler: Teklab Employee | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Analyze for Radium 226/228 per your normal method/s.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested.

Project# 25110404

Contact: Shelly Hennessy | Email: shennessy@teklabinc.com
Requested Due Date: Standard TAT | Billing/PO: 39856
Phone: 618-344-1004 ex 36 State of Sample Origin = IL

PLEASE NOTE:

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

| Lab Use | Sample ID | Sample Date/Time | Preservative | Matrix | Ra226/228 | Radium 226 | Radium 228 | PH | | | UPW | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 25110404-012C | 11/13/25 9:40 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 3 | 3 | 3 | 22 | 30 | 28 | | | |
| | 25110404-013C | 11/13/25 11:04 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 2 | 3 | 3 | 24 | 28 | 24 | | | |
| | 25110404-014C | 11/13/25 11:40 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 2 | 3 | 3 | 26 | 34 | 26 | | | |
| | 25110404-015C | 11/13/25 13:14 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 2 | 3 | 3 | 28 | 22 | 18 | | | |
| | 25110404-016C | 11/13/25 12:21 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 2 | 2 | 3 | 36 | 26 | 38 | | | |
| | 25110404-017C | 11/13/25 10:17 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 2 | 3 | 3 | 22 | 28 | 32 | | | |
| | 25110404-018C | 11/13/25 10:27 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 1 | 1 | 1 | 22 | 30 | 46 | | | |
| | 25110404-019C | 11/13/25 11:01 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 2 | 3 | 2 | 24 | 30 | 28 | | | |
| | 25110404-020C | 11/13/25 11:32 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 3 | 3 | 3 | 28 | 32 | 34 | | | |
| | 25110404-021C | 11/13/25 13:47 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 3 | 3 | 3 | 22 | 14 | 26 | | | |
| | 25110404-022C | 11/13/25 10:22 | HNO3 | Groundwater | ✔ | ✔ | ✔ | 2 | 2 | 3 | 26 | 20 | 34 | | | |

| *Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| | 11/17/25 1700 | Paige Aguirre | ~~11/20/25~~ PA 12:00 |
| | | | 11/19/25 |
| | | | |
| | | | |
| | | | |

CS intact
11/17/25
19.0 C =
18.8 +0.2

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

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

# Sample Log-In Check List

Client Name: **TEK-IL-62234-A** Work Order Number: **25111579** RcptNo: **1**

| | | | |
|---|---|---|---|
| Logged by: | **Spencer M. Hartwell** | **11/19/2025 11:20:00 AM** | Spencer M. Hartwell |
| Completed By: | **Spencer M. Hartwell** | **11/20/2025 3:53:59 PM** | Spencer M. Hartwell |
| Reviewed By: | **Jennifer Woolf** | **11/25/2025 9:29:17 PM** | Jennifer Woolf |

## Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? FedEx

## Log In

3. Coolers are present? Yes ☑ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☑ No ☐
   Custody seals intact on shipping container/cooler? Yes ☑ No ☐ Not Present ☐ NA ☐
   No. Seal Date: 11/17/2025 Signed By:
5. Was an attempt made to cool the samples? Yes ☐ No ☑ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☑ NA ☐
   **Not required**
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

## Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

**Cooler Information**

| Cooler No | Temp ºC | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 19 | Good | Yes | | 11/17/2025 | |

March 12, 2026

Eric Staley
City Water, Light & Power
3100 Stevenson Drive
2nd Floor Maintenance Building
Springfield, IL 62712
TEL: (217) 757-8610
FAX: (217) 757-8615

| | |
|---|---|
| Illinois | 100467 |
| Kansas | E-10374 |
| Kansas | E-10438 |
| Louisiana | 05002 |
| Louisiana | 05003 |
| Oklahoma | 9978 |

**RE:** FGDS Landfill **WorkOrder:** 26020093

Dear Eric Staley:

TEKLAB, INC received 5 samples on 2/12/2026 1:15:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004
SHennessy@teklabinc.com

# Report Contents



**Client:** City Water, Light & Power
**Work Order:** 26020093
**Client Project:** FGDS Landfill
**Report Date:** 12-Mar-26

**This reporting package includes the following:**


| | |
|---|---|
| Cover Letter | 1 |
| Report Contents | 2 |
| Definitions | 3 |
| Case Narrative | 5 |
| Accreditations | 6 |
| Laboratory Results | 7 |
| Receiving Check List | 13 |
| Chain of Custody | Appended |

**Client:** City Water, Light & Power **Work Order:** 26020093

**Client Project:** FGDS Landfill **Report Date:** 12-Mar-26

## Abbr Definition

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

# Definitions



**Client:** City Water, Light & Power
**Work Order:** 26020093
**Client Project:** FGDS Landfill
**Report Date:** 12-Mar-26

## Qualifiers

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

# Case Narrative

http://www.teklabinc.com/

**Client:** City Water, Light & Power
**Work Order:** 26020093
**Client Project:** FGDS Landfill
**Report Date:** 12-Mar-26

**Cooler Receipt Temp:** 5.4 °C

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

Radium-226 & -228 analysis was performed by Alliance Technical Group. See attached report for results.

## Locations


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

**Collinsville**
Address 120 United Drive, Collinsville, IL 62234-7433
Phone (618) 344-1004
Fax
Email jhriley@teklabinc.com

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

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

**Collinsville Air**
Address 120 United Drive, Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

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

**Client:** City Water, Light & Power **Work Order:** 26020093

**Client Project:** FGDS Landfill **Report Date:** 12-Mar-26

| State | Dept | Cert # | NELAP | Exp Date | Lab |
|---|---|---|---|---|---|
| Illinois | IEPA | 100467 | NELAP | 1/31/2027 | Collinsville |
| Kansas | KDHE | E-10374 | NELAP | 4/30/2026 | Collinsville |
| Kansas | KDHE | E-10438 | NELAP | 7/31/2026 | Collinsville |
| Louisiana | LDEQ | 05002 | NELAP | 6/30/2026 | Collinsville |
| Louisiana | LDEQ | 05003 | NELAP | 6/30/2026 | Collinsville |
| Oklahoma | ODEQ | 9978 | NELAP | 12/31/2026 | Collinsville |
| Arkansas | ADEQ | 88-0966 | | 3/14/2026 | Collinsville |
| Illinois | IDPH | 17584 | | 5/31/2026 | Collinsville |
| Iowa | IDNR | 430 | | 6/1/2026 | Collinsville |
| Kansas | KDHE | E-92716 | | 1/31/2027 | Collinsville |
| Kentucky | KWLCP | KY98050 | | 12/31/2026 | Collinsville |
| Kentucky | KWLCP | KY98006 | | 12/31/2026 | Collinsville |
| Kentucky | UST | 0073 | | 1/31/2027 | Collinsville |
| Mississippi | MSDH | | | 4/30/2026 | Collinsville |
| Missouri | MDNR | 930 | | 1/31/2028 | Collinsville |
| Missouri | MDNR | 00930 | | 10/31/2026 | Collinsville |

**Client:** City Water, Light & Power **Work Order:** 26020093

**Client Project:** FGDS Landfill **Report Date:** 12-Mar-26

**Lab ID:** 26020093-001 **Client Sample ID:** R101

**Matrix:** GROUNDWATER **Collection Date:** 02/11/2026 9:46

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **511.53** | ft | 1 | 02/11/2026 9:46 | R379199 |
| Depth to water | * | -5.00 | | **6.04** | ft | 1 | 02/11/2026 9:46 | R379199 |
| Depth to water from measuring point | * | 0 | | **8.84** | ft | 1 | 02/11/2026 9:46 | R379199 |
| Elevation of groundwater surface | * | 0 | | **537.96** | ft | 1 | 02/11/2026 9:46 | R379199 |
| Measuring Point Elevation | * | 0 | | **546.80** | ft | 1 | 02/11/2026 9:46 | R379199 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.80** | ft | 1 | 02/11/2026 9:46 | R379199 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **7.8** | NTU | 1 | 02/11/2026 9:46 | R379199 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **47.7** | °F | 1 | 02/11/2026 9:46 | R379199 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **7.33** | | 1 | 02/11/2026 9:46 | R379199 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1260** | µmhos/cm @25C | 1 | 02/11/2026 9:46 | R379199 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **834** | mg/L | 1 | 02/18/2026 10:27 | R379405 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 02/13/2026 14:59 | R379009 |
| Chloride | NELAP | 5.00 | | **109** | mg/L | 10 | 02/13/2026 14:59 | R379009 |
| Sulfate | NELAP | 10.0 | | **255** | mg/L | 10 | 02/13/2026 14:59 | R379009 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.148** | mg/L | 1 | 02/14/2026 14:29 | 251742 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 02/14/2026 14:29 | 251742 |
| Boron | NELAP | 0.0200 | | **0.135** | mg/L | 1 | 02/14/2026 14:29 | 251742 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 02/14/2026 14:29 | 251742 |
| Calcium | NELAP | 0.100 | | **132** | mg/L | 1 | 02/14/2026 14:29 | 251742 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 02/14/2026 14:29 | 251742 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 02/14/2026 14:29 | 251742 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 02/14/2026 14:29 | 251742 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 02/14/2026 14:29 | 251742 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **0.0020** | mg/L | 5 | 02/21/2026 1:57 | 251742 |
| Arsenic | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 02/21/2026 1:57 | 251742 |
| Lithium | * | 0.0030 | | **0.0177** | mg/L | 5 | 02/23/2026 18:01 | 251742 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 02/21/2026 1:57 | 251742 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 02/21/2026 1:57 | 251742 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 02/14/2026 18:57 | 251768 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **6.24** | pci/L | 1 | 02/27/2026 7:28 | R380064 |
| Combined 226/228 Uncertainty | * | 0 | | **1.47** | +/- | 1 | 02/27/2026 7:28 | R380064 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 02/27/2026 7:28 | R380064 |
| Radium-226 Uncertainty | * | 0 | | **0.070** | +/- | 1 | 02/27/2026 7:28 | R380064 |
| Radium-228 | * | 1.00 | | **6.14** | pci/L | 1 | 02/26/2026 13:46 | R380064 |
| Radium-228 Uncertainty | * | 0 | | **1.40** | +/- | 1 | 02/26/2026 13:46 | R380064 |

**Client:** City Water, Light & Power **Work Order:** 26020093

**Client Project:** FGDS Landfill **Report Date:** 12-Mar-26

**Lab ID:** 26020093-002 **Client Sample ID:** G121

**Matrix:** GROUNDWATER **Collection Date:** 02/11/2026 13:41

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **497.04** | ft | 1 | 02/11/2026 13:41 | R379199 |
| Depth to water | * | -5.00 | | **29.04** | ft | 1 | 02/11/2026 13:41 | R379199 |
| Depth to water from measuring point | * | 0 | | **30.91** | ft | 1 | 02/11/2026 13:41 | R379199 |
| Elevation of groundwater surface | * | 0 | | **524.69** | ft | 1 | 02/11/2026 13:41 | R379199 |
| Measuring Point Elevation | * | 0 | | **555.60** | ft | 1 | 02/11/2026 13:41 | R379199 |
| Measuring Point Height Above Land Surface | * | 0 | | **1.87** | ft | 1 | 02/11/2026 13:41 | R379199 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **< 1.0** | NTU | 1 | 02/11/2026 13:41 | R379199 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **55.3** | °F | 1 | 02/11/2026 13:41 | R379199 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.95** | | 1 | 02/11/2026 13:41 | R379199 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1540** | µmhos/cm @25C | 1 | 02/11/2026 13:41 | R379199 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1040** | mg/L | 1 | 02/18/2026 10:35 | R379405 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 02/13/2026 15:12 | R379009 |
| Chloride | NELAP | 5.00 | | **31.6** | mg/L | 10 | 02/13/2026 15:12 | R379009 |
| Sulfate | NELAP | 10.0 | | **316** | mg/L | 10 | 02/13/2026 15:12 | R379009 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.380** | mg/L | 1 | 02/14/2026 14:39 | 251742 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 02/14/2026 14:39 | 251742 |
| Boron | NELAP | 0.0200 | | **3.36** | mg/L | 1 | 02/14/2026 14:39 | 251742 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 02/14/2026 14:39 | 251742 |
| Calcium | NELAP | 0.100 | S | **182** | mg/L | 1 | 02/14/2026 14:39 | 251742 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 02/14/2026 14:39 | 251742 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 02/14/2026 14:39 | 251742 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 02/14/2026 14:39 | 251742 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 02/14/2026 14:39 | 251742 |
| *Matrix spike control limits for Ca are not applicable due to high sample/spike ratio.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **0.0010** | mg/L | 5 | 02/21/2026 2:02 | 251742 |
| Arsenic | NELAP | 0.0010 | | **0.0075** | mg/L | 5 | 02/21/2026 2:02 | 251742 |
| Lithium | * | 0.0030 | | **0.0065** | mg/L | 5 | 02/24/2026 9:13 | 251742 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 02/21/2026 2:02 | 251742 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 02/21/2026 2:02 | 251742 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 02/14/2026 18:59 | 251768 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 02/27/2026 7:28 | R380064 |
| Combined 226/228 Uncertainty | * | 0 | | **0.630** | +/- | 1 | 02/27/2026 7:28 | R380064 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 02/27/2026 7:28 | R380064 |
| Radium-226 Uncertainty | * | 0 | | **0.110** | +/- | 1 | 02/27/2026 7:28 | R380064 |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 02/26/2026 13:46 | R380064 |

**Client:** City Water, Light & Power
**Work Order:** 26020093
**Client Project:** FGDS Landfill
**Report Date:** 12-Mar-26
**Lab ID:** 26020093-002
**Client Sample ID:** G121
**Matrix:** GROUNDWATER
**Collection Date:** 02/11/2026 13:41

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Radium-228 Uncertainty | * | 0 | | **0.520** | +/- | 1 | 02/26/2026 13:46 | R380064 |

**Client:** City Water, Light & Power **Work Order:** 26020093

**Client Project:** FGDS Landfill **Report Date:** 12-Mar-26

**Lab ID:** 26020093-003 **Client Sample ID:** G122

**Matrix:** GROUNDWATER **Collection Date:** 02/11/2026 14:38

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **505.11** | ft | 1 | 02/11/2026 14:38 | R379199 |
| Depth to water | * | -5.00 | | **30.74** | ft | 1 | 02/11/2026 14:38 | R379199 |
| Depth to water from measuring point | * | 0 | | **32.48** | ft | 1 | 02/11/2026 14:38 | R379199 |
| Elevation of groundwater surface | * | 0 | | **521.92** | ft | 1 | 02/11/2026 14:38 | R379199 |
| Measuring Point Elevation | * | 0 | | **554.40** | ft | 1 | 02/11/2026 14:38 | R379199 |
| Measuring Point Height Above Land Surface | * | 0 | | **1.74** | ft | 1 | 02/11/2026 14:38 | R379199 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **15** | NTU | 1 | 02/11/2026 14:38 | R379199 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **56.0** | °F | 1 | 02/11/2026 14:38 | R379199 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.66** | | 1 | 02/11/2026 14:38 | R379199 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1710** | µmhos/cm @25C | 1 | 02/11/2026 14:38 | R379199 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1370** | mg/L | 1 | 02/18/2026 10:35 | R379405 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 02/13/2026 15:25 | R379009 |
| Chloride | NELAP | 5.00 | | **38.4** | mg/L | 10 | 02/13/2026 15:25 | R379009 |
| Sulfate | NELAP | 10.0 | | **558** | mg/L | 10 | 02/13/2026 15:25 | R379009 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.425** | mg/L | 1 | 02/14/2026 13:40 | 251742 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 02/14/2026 13:40 | 251742 |
| Boron | NELAP | 0.0200 | | **12.0** | mg/L | 1 | 02/14/2026 13:40 | 251742 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 02/14/2026 13:40 | 251742 |
| Calcium | NELAP | 0.100 | | **256** | mg/L | 1 | 02/14/2026 13:40 | 251742 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 02/14/2026 13:40 | 251742 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 02/14/2026 13:40 | 251742 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 02/14/2026 13:40 | 251742 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 02/14/2026 13:40 | 251742 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 02/21/2026 2:08 | 251742 |
| Arsenic | NELAP | 0.0010 | | **0.0025** | mg/L | 5 | 02/21/2026 2:08 | 251742 |
| Lithium | * | 0.0030 | | **0.0072** | mg/L | 5 | 02/23/2026 18:07 | 251742 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 02/21/2026 2:08 | 251742 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 02/21/2026 2:08 | 251742 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 02/14/2026 19:02 | 251768 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **3.42** | pci/L | 1 | 02/27/2026 7:28 | R380064 |
| Combined 226/228 Uncertainty | * | 0 | | **1.11** | +/- | 1 | 02/27/2026 7:28 | R380064 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 02/27/2026 7:28 | R380064 |
| Radium-226 Uncertainty | * | 0 | | **0.160** | +/- | 1 | 02/27/2026 7:28 | R380064 |
| Radium-228 | * | 1.00 | | **2.44** | pci/L | 1 | 02/26/2026 13:46 | R380064 |
| Radium-228 Uncertainty | * | 0 | | **0.950** | +/- | 1 | 02/26/2026 13:46 | R380064 |

**Client:** City Water, Light & Power **Work Order:** 26020093

**Client Project:** FGDS Landfill **Report Date:** 12-Mar-26

**Lab ID:** 26020093-004 **Client Sample ID:** AW-2

**Matrix:** GROUNDWATER **Collection Date:** 02/11/2026 14:43

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **497.34** | ft | 1 | 02/11/2026 14:43 | R379199 |
| Depth to water | * | -5.00 | | **3.37** | ft | 1 | 02/11/2026 14:43 | R379199 |
| Depth to water from measuring point | * | 0 | | **6.67** | ft | 1 | 02/11/2026 14:43 | R379199 |
| Elevation of groundwater surface | * | 0 | | **523.31** | ft | 1 | 02/11/2026 14:43 | R379199 |
| Measuring Point Elevation | * | 0 | | **529.98** | ft | 1 | 02/11/2026 14:43 | R379199 |
| Measuring Point Height Above Land Surface | * | 0 | | **3.30** | ft | 1 | 02/11/2026 14:43 | R379199 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **7.0** | NTU | 1 | 02/11/2026 14:43 | R379199 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **55.8** | °F | 1 | 02/11/2026 14:43 | R379199 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **7.02** | | 1 | 02/11/2026 14:43 | R379199 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1040** | µmhos/cm @25C | 1 | 02/11/2026 14:43 | R379199 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **648** | mg/L | 1 | 02/18/2026 10:35 | R379405 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 02/13/2026 15:37 | R379009 |
| Chloride | NELAP | 5.00 | | **23.3** | mg/L | 10 | 02/13/2026 15:37 | R379009 |
| Sulfate | NELAP | 10.0 | | **78.4** | mg/L | 10 | 02/13/2026 15:37 | R379009 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.422** | mg/L | 1 | 02/14/2026 13:42 | 251742 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 02/14/2026 13:42 | 251742 |
| Boron | NELAP | 0.0200 | | **1.92** | mg/L | 1 | 02/14/2026 13:42 | 251742 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 02/14/2026 13:42 | 251742 |
| Calcium | NELAP | 0.100 | | **138** | mg/L | 1 | 02/14/2026 13:42 | 251742 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 02/14/2026 13:42 | 251742 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 02/14/2026 13:42 | 251742 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 02/14/2026 13:42 | 251742 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 02/14/2026 13:42 | 251742 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 02/21/2026 2:14 | 251742 |
| Arsenic | NELAP | 0.0010 | | **0.0099** | mg/L | 5 | 02/21/2026 2:14 | 251742 |
| Lithium | * | 0.0030 | | **0.0057** | mg/L | 5 | 02/23/2026 18:12 | 251742 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 02/21/2026 2:14 | 251742 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 02/21/2026 2:14 | 251742 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 02/14/2026 19:08 | 251768 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **2.29** | pci/L | 1 | 02/27/2026 7:28 | R380064 |
| Combined 226/228 Uncertainty | * | 0 | | **0.880** | +/- | 1 | 02/27/2026 7:28 | R380064 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 02/27/2026 7:28 | R380064 |
| Radium-226 Uncertainty | * | 0 | | **0.120** | +/- | 1 | 02/27/2026 7:28 | R380064 |
| Radium-228 | * | 1.00 | | **1.83** | pci/L | 1 | 02/26/2026 13:46 | R380064 |
| Radium-228 Uncertainty | * | 0 | | **0.760** | +/- | 1 | 02/26/2026 13:46 | R380064 |

**Client:** City Water, Light & Power **Work Order:** 26020093

**Client Project:** FGDS Landfill **Report Date:** 12-Mar-26

**Lab ID:** 26020093-005 **Client Sample ID:** P07D

**Matrix:** GROUNDWATER **Collection Date:** 02/12/2026 9:50

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **495.71** | ft | 1 | 02/12/2026 9:50 | R379199 |
| Depth to water | * | -5.00 | | **3.16** | ft | 1 | 02/12/2026 9:50 | R379199 |
| Depth to water from measuring point | * | 0 | | **6.16** | ft | 1 | 02/12/2026 9:50 | R379199 |
| Elevation of groundwater surface | * | 0 | | **522.09** | ft | 1 | 02/12/2026 9:50 | R379199 |
| Measuring Point Elevation | * | 0 | | **528.25** | ft | 1 | 02/12/2026 9:50 | R379199 |
| Measuring Point Height Above Land Surface | * | 0 | | **3.00** | ft | 1 | 02/12/2026 9:50 | R379199 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **77** | NTU | 1 | 02/12/2026 9:50 | R379199 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **51.8** | °F | 1 | 02/12/2026 9:50 | R379199 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.87** | | 1 | 02/12/2026 9:50 | R379199 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1290** | µmhos/cm @25C | 1 | 02/12/2026 9:50 | R379199 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **994** | mg/L | 1 | 02/18/2026 16:51 | R379405 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 02/15/2026 22:08 | R379074 |
| Chloride | NELAP | 5.00 | | **30.7** | mg/L | 10 | 02/15/2026 22:08 | R379074 |
| Sulfate | NELAP | 10.0 | | **306** | mg/L | 10 | 02/15/2026 22:08 | R379074 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.917** | mg/L | 1 | 02/14/2026 16:56 | 251804 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 02/14/2026 16:56 | 251804 |
| Boron | NELAP | 0.0200 | | **4.87** | mg/L | 1 | 02/14/2026 16:56 | 251804 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 02/14/2026 16:56 | 251804 |
| Calcium | NELAP | 0.100 | | **190** | mg/L | 1 | 02/14/2026 16:56 | 251804 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 02/14/2026 16:56 | 251804 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 02/14/2026 16:56 | 251804 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 02/14/2026 16:56 | 251804 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 02/14/2026 16:56 | 251804 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 02/21/2026 6:39 | 251804 |
| Arsenic | NELAP | 0.0010 | | **0.0294** | mg/L | 5 | 02/24/2026 10:35 | 251804 |
| Lithium | * | 0.0030 | | **0.0091** | mg/L | 5 | 02/24/2026 10:35 | 251804 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 02/24/2026 10:35 | 251804 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 02/21/2026 6:39 | 251804 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 02/17/2026 13:51 | 251890 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **3.39** | pci/L | 1 | 02/27/2026 7:28 | R380064 |
| Combined 226/228 Uncertainty | * | 0 | | **1.00** | +/- | 1 | 02/27/2026 7:28 | R380064 |
| Radium-226 | * | 1.00 | | **1.50** | pci/L | 1 | 02/27/2026 7:28 | R380064 |
| Radium-226 Uncertainty | * | 0 | | **0.200** | +/- | 1 | 02/27/2026 7:28 | R380064 |
| Radium-228 | * | 1.00 | | **1.89** | pci/L | 1 | 02/26/2026 13:46 | R380064 |
| Radium-228 Uncertainty | * | 0 | | **0.800** | +/- | 1 | 02/26/2026 13:46 | R380064 |

# Receiving Check List

http://www.teklabinc.com/

**Client:** City Water, Light & Power
**Client Project:** FGDS Landfill

**Work Order:** 26020093
**Report Date:** 12-Mar-26

**Carrier:** Brett Gillihan

**Received By:** LEH

**Completed by:** Laura E Henson
**On:** 12-Feb-26

**Reviewed by:** Amber Dilallo
**On:** 13-Feb-26

**Pages to follow:** Chain of custody 2 Extra pages included 23

| | | | | |
|---|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ | Temp °C 5.4 |
| Type of thermal preservation? | None ☐ | Ice ☑ | Blue Ice ☐ | Dry Ice ☐ |
| Chain of custody present? | Yes ☑ | No ☐ | | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | | |
| Sample containers intact? | Yes ☑ | No ☐ | | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | | |
| All samples received within holding time? | Yes ☑ | No ☐ | | |
| Reported field parameters measured: | Field ☑ | Lab ☐ | NA ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | | |

*When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.*

| | | | |
|---|---|---|---|
| Water – at least one vial per sample has zero headspace? | Yes ☐ | No ☐ | No VOA vials ☑ |
| Water - TOX containers have zero headspace? | Yes ☐ | No ☐ | No TOX containers ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | NA ☐ |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes ☐ | No ☐ | NA ☑ |

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

pH strip #104524. -JD/ lhenson - 2/12/2026 11:24:39 AM

Additional cooler temperatures: 10.0C, 7.8C, 3.4C. LTG#9. LH 2/12/26

Samples were received on 2/12/26 at 1315 on ice [temp10.4C, 8.0C, 6.6C - LTG#9]. pH#104524. - DM/lhenson - 2/13/2026 7:24:40 AM

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# CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 26020093

5.4 10.0
7.8 3.4

TEKLAB INC, 120 United Drive, Collinsville, IL 62234 Phone (618) 344-1004

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [x] ICE [ ] BLUE ICE [ ] NO ICE 4 °C
Preserved in: [ ] LAB [x] FIELD FOR LAB USE ONLY
LAB NOTES: PH104524

JD 2/12/26

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

**Client Comments:**
*elevations, pH, conductivity, temperature
**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo

**PROJECT NAME/NUMBER**
FGDS Landfill

**SAMPLE COLLECTOR'S NAME**

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

**BILLING INSTRUCTIONS**
Brett Gillihan

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers: UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | INDICATE ANALYSIS REQUESTED: Field parameters* | Cl F SO4 TDS (T) | Metals (T)** | Radium-226 | Radium-228 | Field Turbidity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26020093-001 | R101 | 2.11 \| 946 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 002 | G121 | 2.11 \| 1341 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 003 | G122 | 2.11 \| 1438 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 004 | AW-2 | 2.11 \| 1443 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 005 | P07D | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| [signature] | 2.11 \| 1646 | [signature] | 2/11/26 1646 |

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

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# CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 26020093

TEKLAB INC, 120 United Drive, Collinsville, IL 62234 Phone (618) 344-1004

10.4

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 8.0/6.6 °C 9
Preserved in: [ ] LAB [X] FIELD FOR LAB USE ONLY
LAB NOTES: PH-104524 Ai 2-13-26

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

**Client Comments:**
*elevations, pH, conductivity, temperature
**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo

**PROJECT NAME/NUMBER**
FGDS Landfill

**SAMPLE COLLECTOR'S NAME**
Britt Gillihan

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

**BILLING INSTRUCTIONS**

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers: UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | INDICATE ANALYSIS REQUESTED: Field parameters* | Cl F SO4 TDS (T) | Metals (T)** | Radium-226 | Radium-228 | Field Turbidity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26020093-001 | R101 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 002 | G121 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 003 | G122 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 004 | AW-2 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 005 | P07D | 2-12-26 950 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| [signature] | 2-12-26 1315 | [signature] | 2/12/26 1315 |
| | | | |
| | | | |
| | | | |

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

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | R101 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 001 |
| **W.O. Number (s):** | 26020093 | **Date (s):** | 2/11/2026 |

**Field Team Members**

Name: Allison Lampe Affiliation: TekLab, Inc.

Name: Payton Yoch Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 33 °F Wind Direction: ☐ N ☐ S ☐ E ☑ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | | Locks | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | | | |
| Casing | Good | Protective Casing | | X |
| Protective Casing | Good | Well | | X |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 2/11/26 9:26 AM

Static Water Level: 8.84 feet below TOC

Total Depth: 35.27 feet below TOC

Water Column: 26.43 feet

**Purging Activities**

Purged By: AL Purge Date: 2/11/2026

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 26.43 ft. x 0.022 = 0.58 L x 3 Vol. = 1.74 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Clear Odor: None Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 9:26 | 0.0 | 150 | purge start time | | | | | | |
| 9:34 | 1.2 | ↓ | 7.32 | 1,260.70 | 7.69 | 1.83 | 174.60 | 13.03 | |
| 9:37 | 1.7 | | 7.30 | 1,256.40 | 8.28 | 1.61 | 175.60 | 9.94 | |
| 9:40 | 2.1 | | 7.32 | 1,259.30 | 8.27 | 1.44 | 175.70 | 8.54 | |
| 9:43 | 2.5 | | 7.33 | 1,263.10 | 8.42 | 1.32 | 176.70 | 9.28 | |
| 9:46 | 3.0 | | 7.33 | 1,260.60 | 8.70 | 1.26 | 177.20 | 7.79 | |

**Sampling Activities**

Sampled By: PY Sample Date/Time: 2/11/2026 9:46

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

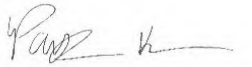
Sample Parameters: 7.33 pH 1,260.60 Spec. Cond. 8.70 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 11.11 feet below TOC Drawdown: 2.27 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 218076

**Form Completed By:**  **Date:** 2/11/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | G121 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 002 |
| **W.O. Number (s):** | 26020093 | **Date (s):** | 2/11/2026 |

**Field Team Members**

Name: Allison Lampe Affiliation: TekLab, Inc.

Name: Payton Yoch Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 46 °F Wind Direction: ☐ N ☐ S ☐ E ☑ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 2/11/26 1:43 PM

Static Water Level: 30.91 feet below TOC

Total Depth: 58.56 feet below TOC

Water Column: 27.65 feet

**Purging Activities**

Purged By: AL Purge Date: 2/11/2026

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 27.65 ft. x 0.022 = 0.61 L x 3 Vol. = 1.83 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Clear Odor: None Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 13:19 | 0.0 | 136 | purge start time | | | | | | |
| 13:32 | 1.8 | ↓ | 6.97 | 1,543.30 | 13.04 | 1.56 | -58.40 | 1.01 | |
| 13:35 | 2.2 | | 6.96 | 1,543.30 | 12.64 | 1.44 | -60.90 | 0.74 | |
| 13:38 | 2.6 | | 6.95 | 1,540.90 | 12.89 | 1.37 | -63.30 | 0.57 | |
| 13:41 | 3.0 | | 6.95 | 1,543.20 | 12.94 | 1.33 | -65.60 | 0.38 | |

**Sampling Activities**

Sampled By: PY Sample Date/Time: 2/11/2026 13:41

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.95 pH 1,543.20 Spec. Cond. 12.94 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 31.12 feet below TOC Drawdown: 0.21 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 218076

**Form Completed By:** **Date:** 2/11/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | G122 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 003 |
| **W.O. Number (s):** | 26020093 | **Date (s):** | 2/11/2026 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 48 °F Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | | | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | **Locks** | | |
| Casing | Good | Protective Casing | | X |
| Protective Casing | Good | Well | | X |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 2/11/26 2:09 PM

Static Water Level: 32.48 feet below TOC

Total Depth: 49.29 feet below TOC

Water Column: 16.81 feet

**Purging Activities**

Purged By: DC Purge Date: 2/11/2026

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 16.81 ft. x 0.022 = 0.37 L x 3 Vol. = 1.11 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 14:09 | 0.0 | 103 | purge start time | | | | | | |
| 14:26 | 1.8 | ↓ | 6.67 | 1,698.20 | 13.12 | 1.52 | -106.30 | 11.41 | |
| 14:29 | 2.1 | | 6.67 | 1,700.40 | 12.92 | 1.20 | -109.60 | 14.81 | |
| 14:32 | 2.4 | | 6.67 | 1,701.50 | 13.12 | 1.06 | -110.90 | 15.57 | |
| 14:35 | 2.7 | | 6.66 | 1,706.60 | 13.23 | 0.97 | -112.10 | 14.44 | |
| 14:38 | 3.0 | | 6.66 | 1,710.20 | 13.34 | 0.92 | -113.10 | 14.74 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 2/11/2026 14:38

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.66 pH 1,710.20 Spec. Cond. 13.34 Temp

Field Filtered: No Filter Type:

Water Level: 33.75 feet below TOC Drawdown: 1.27 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

**Form Completed By:** Brett Gillihan **Date:** 2/11/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | AW-2 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 004 |
| **W.O. Number (s):** | 26020093 | **Date (s):** | 2/11/2026 |

**Field Team Members**

Name: Allison Lampe Affiliation: TekLab, Inc.

Name: Payton Yoch Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 41 °F Wind Direction: ☐ N ☐ S ☐ E ☑ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 2/11/26 2:27 PM

Static Water Level: 6.67 feet below TOC

Total Depth: 32.64 feet below TOC

Water Column: 25.97 feet

**Purging Activities**

Purged By: AL Purge Date: 2/11/2026

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 25.97 ft. x 0.022 = 0.57 L x 3 Vol. = 1.71 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Clear Odor: Moderate Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 14:27 | 0.0 | 187 | purge start time | | | | | | |
| 14:34 | 1.3 | ↓ | 7.04 | 1,042.00 | 13.03 | 1.21 | 54.90 | 9.17 | |
| 14:37 | 1.9 | | 7.02 | 1,041.60 | 13.10 | 1.05 | 54.90 | 10.70 | |
| 14:40 | 2.4 | | 7.02 | 1,041.70 | 13.19 | 0.96 | 53.40 | 8.16 | |
| 14:43 | 3.0 | | 7.02 | 1,042.10 | 13.23 | 0.90 | 50.50 | 7.03 | |

**Sampling Activities**

Sampled By: PY Sample Date/Time: 2/11/2026 14:43

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 7.02 pH 1,042.10 Spec. Cond. 13.23 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 6.71 feet below TOC Drawdown: 0.04 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 218076

**Form Completed By:** Allison Lampe **Date:** 2/11/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | P07D |
| **Project Location:** | Springfield, IL | **Sample ID:** | 005 |
| **W.O. Number (s):** | 26020093 | **Date (s):** | 2/12/2026 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 39 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

**Well Observations**

| | | | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | **Locks** | | |
| Casing | Good | Protective Casing | | X |
| Protective Casing | Good | Well | | X |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 2/12/26 9:19 AM

Static Water Level: 6.16 feet below TOC

Total Depth: 32.54 feet below TOC

Water Column: 26.38 feet

**Purging Activities**

Purged By: DC Purge Date: 2/12/2026

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 26.38 ft. x 0.022 = 0.58 L x 3 Vol. = 1.74 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Cloudy Odor: None Color: Lt Brown

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 9:19 | 0.0 | 129 | purge start time | | | | | | |
| 9:38 | 2.5 | ↓ | 6.86 | 1,293.40 | 10.89 | 1.12 | -119.50 | 70.82 | |
| 9:41 | 2.8 | | 6.86 | 1,295.20 | 10.86 | 1.01 | -121.30 | 81.85 | |
| 9:44 | 3.2 | | 6.86 | 1,292.30 | 10.87 | 0.96 | -122.20 | 92.23 | |
| 9:47 | 3.6 | | 6.87 | 1,292.40 | 10.94 | 0.95 | -122.70 | 80.63 | |
| 9:50 | 4.0 | | 6.87 | 1,292.20 | 11.00 | 0.92 | -123.00 | 76.92 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 2/12/2026 9:50

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.87 pH 1,292.20 Spec. Cond. 11.00 Temp

Field Filtered: No Filter Type:

Water Level: 7.72 feet below TOC Drawdown: 1.56 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

**Form Completed By:** Brett Gillihan **Date:** 2/12/2026

**Site Samping Event:** FGDS Landfill
**LIMS Workorder:** 26020093
**Technician(s):** DC, JC, BG, AL, DN, PY

**Field Calibration Log(s)**
**CWLP- 1Q 2026**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218076 Technician(s): A.Lampe Date: 2/12/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.00 | 127.00 | 2/11/26 8:47 |
| 7.0 Buffer | WC251017B | 7.00 | -42.10 | 2/11/26 8:51 |
| 10.0 Buffer | WC251017C | 10.00 | -209.10 | 2/11/26 8:54 |
| LCS/CCV (7.0 Buffer) | WC251017D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 108769 | 1412 | 2/11/26 8:57 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.23 | 2/11/26 9:05 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| 100% | N/A | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-1-AL | LCS | 2/11/26 9:04 | 6.4 | 7.05 | 1,415 | 0.26 | | |
| CCV-1-AL | CCV | 2/11/26 14:49 | 12.2 | 7.09 | 1,394 | 0.23 | | |

**Comments:**

Field Meter ID: Pine 218076 Technician(s): A.Lampe Date: 2/12/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.00 | 124.40 | 2/12/26 8:57 |
| 7.0 Buffer | WC251017B | 7.00 | -44.60 | 2/12/26 8:59 |
| 10.0 Buffer | WC251017C | 10.00 | -208.20 | 2/12/26 9:02 |
| LCS/CCV (7.0 Buffer) | WC251017D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 108769 | 1412 | 2/12/26 9:06 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.72 | 2/12/26 9:11 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| 100% | N/A | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-2-AL | LCS | 2/12/26 9:11 | 6.3 | 7.05 | 1,411 | 0.72 | | |
| CCV-2-AL | CCV | 2/12/26 11:22 | 7.8 | 7.09 | 1,393 | 0.56 | | |

**Comments:**

**Site Samping Event:** FGDS Landfill
**LIMS Workorder:** 26020093
**Technician(s):** DC, JC, BG, AL, DN, PY

**Field Calibration Log(s)**
**CWLP- 1Q 2026**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 217941 Technician(s): Brett Gillihan Date: 2/11/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.00 | 143.20 | 2/11/26 9:01 |
| 7.0 Buffer | WC251017B | 7.00 | 0.00 | 2/11/26 8:56 |
| 10.0 Buffer | WC251017C | 10.00 | -196.30 | 2/11/26 9:05 |
| LCS/CCV (7.0 Buffer) | WC251017D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 108769 | 1412 | 2/11/26 9:08 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.23 | 2/11/26 9:15 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| | | | |

| D.O. Saturation | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| 100% | N/A | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-1-BG | LCS | 2/11/26 9:17 | 7.8 | 7.01 | 1,422 | 0.28 | | |
| CCV-1-BG | CCV | 2/11/26 14:45 | 9.3 | 7.01 | 1,426 | 0.29 | | |

**Comments:**

Field Meter ID: Pine 217941 Technician(s): Brett Gillihan Date: 2/12/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.00 | 140.30 | 2/12/26 8:56 |
| 7.0 Buffer | WC251017B | 7.00 | -30.80 | 2/12/26 8:48 |
| 10.0 Buffer | WC251017C | 10.02 | -197.80 | 2/12/26 8:58 |
| LCS/CCV (7.0 Buffer) | WC251017D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 108769 | 1413 | 2/12/26 9:09 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.35 | 2/12/26 9:11 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| | | | |

| D.O. Saturation | LIMS ID/Lot# | Reading | Date/Time |
|---|---|---|---|
| 100% | N/A | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-2-BG | LCS | 2/12/26 9:18 | 7.3 | 7.02 | 1,422 | 0.41 | | |
| CCV-2-BG | CCV | 2/12/26 11:12 | 7.9 | 7.03 | 1,428 | 0.43 | | |

**Comments:**

*Alliance Technical Group - Akron*
*3310 Win St.*
*Cuyahoga Falls, Ohio 44223*
*TEL: (330) 253-8211*
*Website: http://www.settek.com*

March 04, 2026

Shelly Hennessy
TEKLAB Inc,
5445 Horseshoe lake Road
Collinsville, IL 62234
TEL:
FAX:

RE: 26020093

Dear Shelly Hennessy: Order No.: 26021091

Alliance Technical Group - Akron received 5 sample(s) on 2/16/2026 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

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

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0828, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

# Case Narrative

WO#: **26021091**
Date: **3/4/2026**

**CLIENT:** TEKLAB Inc,
**Project:** 26020093

WorkOrder Narrative:
26021091: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Alliance Technical Group Work Order Number assigned to this report.

Alliance Technical Group holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Alliance Technical Group and that of the customer. It cannot be reproduced in any form without the consent of Alliance Technical Group or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Alliance Technical Group is not responsible for use or interpretation of the data included herein.

All results for solid samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Analytical Sequence Sample Notes:
26021091-001A Radium-228_DW(904.0): Sample result to be reported at client's request without confirmation due to limited volume.
26021091-003A Radium-228_DW(904.0): Sample result to be reported at client's request without confirmation due to limited volume.

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211
Website: http://www.settek.com

# Qualifiers and Acronyms

WO#: **26021091**
Date: **3/4/2026**

These commonly used Qualifiers and Acronyms may or may not be present in this report.

**Qualifiers**

| | |
|---|---|
| **U** | The compound was analyzed for but was not detected above the MDL. |
| **J** | The reported value is greater than the Method Detection Limit but less than the Reporting Limit. |
| **H** | The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant. |
| **D** | The result is reported from a dilution. |
| **E** | The result exceeded the linear range of the calibration or is estimated due to interference. |
| **MC** | The result is below the Minimum Compound Limit. |
| ***** | The result exceeds the Regulatory Limit or Maximum Contamination Limit. |
| **m** | Manual integration was used to determine the area response. |
| **d** | Manual integration in which peak was deleted |
| **N** | The result is presumptive based on a Mass Spectral library search assuming a 1:1 response. |
| **P** | The second column confirmation exceeded 25% difference. |
| **C** | The result has been confirmed by GC/MS. |
| **X** | The result was not confirmed when GC/MS Analysis was performed. |
| **B** | The analyte was detected in the Method Blank at a concentration greater than the RL. |
| **MB+** | The analyte was detected in the Method Blank at a concentration greater than the MDL. |
| **G** | The ICB or CCB contained reportable amounts of analyte. |
| **QC-/+** | The CCV recovery failed low (-) or high (+). |
| **R/QDR** | The RPD was outside of accepted recovery limits. |
| **QL-/+** | The LCS or LCSD recovery failed low (-) or high (+). |
| **QLR** | The LCS/LCSD RPD was outside of accepted recovery limits. |
| **QM-/+** | The MS or MSD recovery failed low (-) or high (+). |
| **QMR** | The MS/MSD RPD was outside of accepted recovery limits. |
| **QV-/+** | The ICV recovery failed low (-) or high (+). |
| **S** | The spike result was outside of accepted recovery limits. |
| **W** | Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant. |
| **Z** | Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information |

**Acronyms**

| | | | |
|---|---|---|---|
| **ND** | Not Detected | **RL** | Reporting Limit |
| **QC** | Quality Control | **MDL** | Method Detection Limit |
| **MB** | Method Blank | **LOD** | Level of Detection |
| **LCS** | Laboratory Control Sample | **LOQ** | Level of Quantitation |
| **LCSD** | Laboratory Control Sample Duplicate | **PQL** | Practical Quantitation Limit |
| **QCS** | Quality Control Sample | **CRQL** | Contract Required Quantitation Limit |
| **DUP** | Duplicate | **PL** | Permit Limit |
| **MS** | Matrix Spike | **RegLvl** | Regulatory Limit |
| **MSD** | Matrix Spike Duplicate | **MCL** | Maximum Contamination Limit |
| **RPD** | Relative Percent Different | **MinCL** | Minimum Compound Limit |
| **ICV** | Initial Calibration Verification | **RA** | Reanalysis |
| **ICB** | Initial Calibration Blank | **RE** | Reextraction |
| **CCV** | Continuing Calibration Verification | **TIC** | Tentatively Identified Compound |
| **CCB** | Continuing Calibration Blank | **RT** | Retention Time |
| **RLC** | Reporting Limit Check | **CF** | Calibration Factor |

**This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.**

Alliance Technical Group - Akron
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Website: http://www.settek.com

# Workorder Sample Summary

WO#: **26021091**

***04-Mar-26***

**CLIENT:** TEKLAB Inc,
**Project:** 26020093

| Lab SampleID | Client Sample ID | Tag No | Date Collected | Date Received | Matrix |
|---|---|---|---|---|---|
| 26021091-001 | 26020093-001 | | 2/11/2026 9:46:00 AM | 2/16/2026 1:00:00 PM | Non-Potable Water |
| 26021091-002 | 26020093-002 | | 2/11/2026 1:41:00 PM | 2/16/2026 1:00:00 PM | Non-Potable Water |
| 26021091-003 | 26020093-003 | | 2/11/2026 2:38:00 PM | 2/16/2026 1:00:00 PM | Non-Potable Water |
| 26021091-004 | 26020093-004 | | 2/11/2026 2:43:00 PM | 2/16/2026 1:00:00 PM | Non-Potable Water |
| 26021091-005 | 26020093-005 | | 2/12/2026 9:50:00 AM | 2/16/2026 1:00:00 PM | Non-Potable Water |

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Website: http://www.settek.com

# DATES REPORT

WO#: **26021091**

***04-Mar-26***

**Client:** TEKLAB Inc,
**Project:** 26020093

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | Leachate Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|---|
| 26021091-001A | 26020093-001 | 2/11/2026 9:46:00 AM | Non-Potable Water | Radium-226 (903.0) | | 2/19/2026 7:50:00 AM | 2/27/2026 7:28:00 AM |
| | | | | Radium-226/228 (903.0/904.0) | | 2/19/2026 7:50:00 AM | 2/27/2026 7:28:00 AM |
| | | | | Radium-228 (904.0) | | 2/19/2026 7:50:00 AM | 2/26/2026 1:46:00 PM |
| 26021091-002A | 26020093-002 | 2/11/2026 1:41:00 PM | | Radium-226 (903.0) | | 2/19/2026 7:50:00 AM | 2/27/2026 7:28:00 AM |
| | | | | Radium-226/228 (903.0/904.0) | | 2/19/2026 7:50:00 AM | 2/27/2026 7:28:00 AM |
| | | | | Radium-228 (904.0) | | 2/19/2026 7:50:00 AM | 2/26/2026 1:46:00 PM |
| 26021091-003A | 26020093-003 | 2/11/2026 2:38:00 PM | | Radium-226 (903.0) | | 2/19/2026 7:50:00 AM | 2/27/2026 7:28:00 AM |
| | | | | Radium-226/228 (903.0/904.0) | | 2/19/2026 7:50:00 AM | 2/27/2026 7:28:00 AM |
| | | | | Radium-228 (904.0) | | 2/19/2026 7:50:00 AM | 2/26/2026 1:46:00 PM |
| 26021091-004A | 26020093-004 | 2/11/2026 2:43:00 PM | | Radium-226 (903.0) | | 2/19/2026 7:50:00 AM | 2/27/2026 7:28:00 AM |
| | | | | Radium-226/228 (903.0/904.0) | | 2/19/2026 7:50:00 AM | 2/27/2026 7:28:00 AM |
| | | | | Radium-228 (904.0) | | 2/19/2026 7:50:00 AM | 2/26/2026 1:46:00 PM |
| 26021091-005A | 26020093-005 | 2/12/2026 9:50:00 AM | | Radium-226 (903.0) | | 2/19/2026 7:50:00 AM | 2/27/2026 7:28:00 AM |
| | | | | Radium-226/228 (903.0/904.0) | | 2/19/2026 7:50:00 AM | 2/27/2026 7:28:00 AM |
| | | | | Radium-228 (904.0) | | 2/19/2026 7:50:00 AM | 2/26/2026 1:46:00 PM |

Original

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# Analytical Report

(consolidated)

WO#: **26021091**

Date Reported: **3/4/2026**

**CLIENT:** TEKLAB Inc,
**Project:** 26020093
**Lab ID:** 26021091-001
**Client Sample ID:** 26020093-001

**Collection Date:** 2/11/2026 9:46:00 AM
**Matrix:** NON-POTABLE WATER

| Analyses | Result | MDL | PQL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM-226/228 (EPA 903.0/904.0) RADIUM-226/228 (903.0/904.0)** | | | | | **PA 903.0/EPA904.(** | | **900 SERIES** | Analyst: **TAL** |
| Radium-226/Radium-228 Combined | 6.24 | 2.00 | 2.00 | * | pCi/L | ± 1.47 | 1 | 2/27/2026 7:28:00 AM |
| **COMBINED RADIUM-226/228 (EPA 903.0/904.0) RADIUM-226 (903.0)** | | | | | | **EPA 903.0** | **900 SERIES** | Analyst: **TAL** |
| Radium-226 | 0.1 | 0.627 | 1.00 | U | pCi/L | ± 0.07 | 1 | 2/27/2026 7:28:00 AM |
| Yield | 0.910 | | | | | | 1 | 2/27/2026 7:28:00 AM |
| **COMBINED RADIUM-226/228 (EPA 903.0/904.0) RADIUM-228 (904.0)** | | | | | | **EPA 904.0** | **900 SERIES** | Analyst: **TAL** |
| Radium-228 | 6.14 | 0.640 | 1.00 | * | pCi/L | ± 1.4 | 1 | 2/26/2026 1:46:00 PM |
| Yield | 0.840 | | | | | | 1 | 2/26/2026 1:46:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| U | Samples with CalcVal < MDL |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode |

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# Analytical Report

(consolidated)

WO#: **26021091**

Date Reported: **3/4/2026**

**CLIENT:** TEKLAB Inc,
**Project:** 26020093
**Lab ID:** 26021091-002
**Client Sample ID:** 26020093-002

**Collection Date:** 2/11/2026 1:41:00 PM
**Matrix:** NON-POTABLE WATER

| Analyses | Result | MDL | PQL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM-226/228 (EPA 903.0/904.0)** | | | | | **EPA 903.0/EPA904.0** | | **900 SERIES** | Analyst: **TAL** |
| **RADIUM-226/228 (903.0/904.0)** | | | | | | | | |
| Radium-226/Radium-228 Combined | ND | 2.00 | 2.00 | U | pCi/L | ± 0.63 | 1 | 2/27/2026 7:28:00 AM |
| **COMBINED RADIUM-226/228 (EPA 903.0/904.0)** | | | | | **EPA 903.0** | | **900 SERIES** | Analyst: **TAL** |
| **RADIUM-226 (903.0)** | | | | | | | | |
| Radium-226 | ND | 0.627 | 1.00 | U | pCi/L | ± 0.11 | 1 | 2/27/2026 7:28:00 AM |
| Yield | 1.00 | | | | | | 1 | 2/27/2026 7:28:00 AM |
| **COMBINED RADIUM-226/228 (EPA 903.0/904.0)** | | | | | **EPA 904.0** | | **900 SERIES** | Analyst: **TAL** |
| **RADIUM-228 (904.0)** | | | | | | | | |
| Radium-228 | ND | 0.640 | 1.00 | U | pCi/L | ± 0.52 | 1 | 2/26/2026 1:46:00 PM |
| Yield | 1.00 | | | | | | 1 | 2/26/2026 1:46:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| U | Samples with CalcVal < MDL |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode |

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# Analytical Report

(consolidated)

WO#: **26021091**

Date Reported: **3/4/2026**

**CLIENT:** TEKLAB Inc,
**Project:** 26020093
**Lab ID:** 26021091-003
**Client Sample ID:** 26020093-003

**Collection Date:** 2/11/2026 2:38:00 PM
**Matrix:** NON-POTABLE WATER

| Analyses | Result | MDL | PQL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM-226/228 (EPA 903.0/904.0)** | | | | | **EPA 903.0/EPA904.0** | | **900 SERIES** | Analyst: **TAL** |
| **RADIUM-226/228 (903.0/904.0)** | | | | | | | | |
| Radium-226/Radium-228 Combined | 3.42 | 2.00 | 2.00 | | pCi/L | ± 1.11 | 1 | 2/27/2026 7:28:00 AM |
| **COMBINED RADIUM-226/228 (EPA 903.0/904.0)** | | | | | **EPA 903.0** | | **900 SERIES** | Analyst: **TAL** |
| **RADIUM-226 (903.0)** | | | | | | | | |
| Radium-226 | 0.980 | 0.627 | 1.00 | J | pCi/L | ± 0.16 | 1 | 2/27/2026 7:28:00 AM |
| Yield | 1.00 | | | | | | 1 | 2/27/2026 7:28:00 AM |
| **COMBINED RADIUM-226/228 (EPA 903.0/904.0)** | | | | | **EPA 904.0** | | **900 SERIES** | Analyst: **TAL** |
| **RADIUM-228 (904.0)** | | | | | | | | |
| Radium-228 | 2.44 | 0.640 | 1.00 | | pCi/L | ± 0.95 | 1 | 2/26/2026 1:46:00 PM |
| Yield | 0.880 | | | | | | 1 | 2/26/2026 1:46:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| U | Samples with CalcVal < MDL |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode |

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# Analytical Report

(consolidated)

WO#: **26021091**

Date Reported: **3/4/2026**

**CLIENT:** TEKLAB Inc,
**Project:** 26020093
**Lab ID:** 26021091-004
**Client Sample ID:** 26020093-004

**Collection Date:** 2/11/2026 2:43:00 PM
**Matrix:** NON-POTABLE WATER

| Analyses | Result | MDL | PQL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM-226/228 (EPA 903.0/904.0)** | | | | | **EPA 903.0/EPA904.0** | | **900 SERIES** | Analyst: **TAL** |
| **RADIUM-226/228 (903.0/904.0)** | | | | | | | | |
| Radium-226/Radium-228 Combined | 2.29 | 2.00 | 2.00 | | pCi/L | ± 0.88 | 1 | 2/27/2026 7:28:00 AM |
| **COMBINED RADIUM-226/228 (EPA 903.0/904.0)** | | | | | **EPA 903.0** | | **900 SERIES** | Analyst: **TAL** |
| **RADIUM-226 (903.0)** | | | | | | | | |
| Radium-226 | 0.46 | 0.627 | 1.00 | U | pCi/L | ± 0.12 | 1 | 2/27/2026 7:28:00 AM |
| Yield | 0.980 | | | | | | 1 | 2/27/2026 7:28:00 AM |
| **COMBINED RADIUM-226/228 (EPA 903.0/904.0)** | | | | | **EPA 904.0** | | **900 SERIES** | Analyst: **TAL** |
| **RADIUM-228 (904.0)** | | | | | | | | |
| Radium-228 | 1.83 | 0.640 | 1.00 | | pCi/L | ± 0.76 | 1 | 2/26/2026 1:46:00 PM |
| Yield | 1.00 | | | | | | 1 | 2/26/2026 1:46:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| U | Samples with CalcVal < MDL |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode |

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# Analytical Report

(consolidated)

WO#: **26021091**

Date Reported: **3/4/2026**

**CLIENT:** TEKLAB Inc,
**Project:** 26020093
**Lab ID:** 26021091-005
**Client Sample ID:** 26020093-005

**Collection Date:** 2/12/2026 9:50:00 AM
**Matrix:** NON-POTABLE WATER

| Analyses | Result | MDL | PQL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **COMBINED RADIUM-226/228 (EPA 903.0/904.0) RADIUM-226/228 (903.0/904.0)** | | | | | **PA 903.0/EPA904.(** | | **900 SERIES** | Analyst: **TAL** |
| Radium-226/Radium-228 Combined | 3.39 | 2.00 | 2.00 | | pCi/L | ± 1 | 1 | 2/27/2026 7:28:00 AM |
| **COMBINED RADIUM-226/228 (EPA 903.0/904.0) RADIUM-226 (903.0)** | | | | | **EPA 903.0** | | **900 SERIES** | Analyst: **TAL** |
| Radium-226 | 1.50 | 0.627 | 1.00 | | pCi/L | ± 0.2 | 1 | 2/27/2026 7:28:00 AM |
| Yield | 0.890 | | | | | | 1 | 2/27/2026 7:28:00 AM |
| **COMBINED RADIUM-226/228 (EPA 903.0/904.0) RADIUM-228 (904.0)** | | | | | **EPA 904.0** | | **900 SERIES** | Analyst: **TAL** |
| Radium-228 | 1.89 | 0.640 | 1.00 | | pCi/L | ± 0.8 | 1 | 2/26/2026 1:46:00 PM |
| Yield | 1.00 | | | | | | 1 | 2/26/2026 1:46:00 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| U | Samples with CalcVal < MDL | W | Sample container temperature is out of limit as specified at testcode |

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# QC SUMMARY REPORT

WO#: **26021091**

***04-Mar-26***

**Client:** TEKLAB Inc,
**Project:** 26020093 **BatchID:** **93295**

| Sample ID: **MB-93295** | SampType: **MBLK** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **2/19/2026** | RunNo: **229951** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **93295** | TestNo: **E904.0** | **E903-904** | Analysis Date: **2/26/2026** | SeqNo: **6065009** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | ND | 1.00 | | 0 | 0 | | | | | | U |
| Yield | 1.00 | | | 0 | 0 | | | | | | |

| Sample ID: **LCS-93295** | SampType: **LCS** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **2/19/2026** | RunNo: **229951** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **93295** | TestNo: **E904.0** | **E903-904** | Analysis Date: **2/26/2026** | SeqNo: **6065010** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 2.83 | 1.00 | 5.000 | 0 | 56.6 | 50 | 130 | | | | QLR |
| Yield | 0.810 | | | 0 | 0 | | | | | | |

| Sample ID: **LCSD-93295** | SampType: **LCSD** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **2/19/2026** | RunNo: **229951** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **93295** | TestNo: **E904.0** | **E903-904** | Analysis Date: **2/26/2026** | SeqNo: **6065011** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 3.69 | 1.00 | 5.000 | 0 | 73.8 | 50 | 130 | 2.830 | 26.4 | 20 | R |
| Yield | 1.00 | | | 0 | 0 | | | 0.8100 | 21.0 | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit | R | RPD outside accepted recovery limits |
| RL | Reporting Detection Limit | U | Samples with CalcVal < MDL | W | Sample container temperature is out of limit as spec |

Original

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Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: **26021091**

***04-Mar-26***

**Client:** TEKLAB Inc,
**Project:** 26020093 **BatchID:** **93295**

| Sample ID: **26021092-004ADUP** | SampType: **DUP** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **2/19/2026** | RunNo: **229951** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **93295** | TestNo: **E904.0** | **E903-904** | Analysis Date: **2/26/2026** | SeqNo: **6065027** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.16 | 1.00 | | 0 | 0 | | | 1.120 | 3.51 | 20 | |
| Yield | 1.00 | | | 0 | 0 | | | 1.000 | 0 | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits | M | Manual Integration used to determine area respons |
| ND | Not Detected | PL | Permit Limit | R | RPD outside accepted recovery limits |
| RL | Reporting Detection Limit | U | Samples with CalcVal < MDL | W | Sample container temperature is out of limit as spec |

Original

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Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: **26021091**

***04-Mar-26***

**Client:** TEKLAB Inc,
**Project:** 26020093 **BatchID:** **93295**

| Sample ID: **MB-93295** | SampType: **MBLK** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **2/19/2026** | RunNo: **229968** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **93295** | TestNo: **E903.0** | **E903-904** | Analysis Date: **2/27/2026** | SeqNo: **6065175** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | | | | U |
| Yield | 1.00 | | | | | | | | | | |

| Sample ID: **LCS-93295** | SampType: **LCS** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **2/19/2026** | RunNo: **229968** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **93295** | TestNo: **E903.0** | **E903-904** | Analysis Date: **2/27/2026** | SeqNo: **6065176** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 4.58 | 1.00 | 5.000 | 0 | 91.6 | 70 | 130 | | | | |

| Sample ID: **LCSD-93295** | SampType: **LCSD** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **2/19/2026** | RunNo: **229968** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **93295** | TestNo: **E903.0** | **E903-904** | Analysis Date: **2/27/2026** | SeqNo: **6065177** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 4.12 | 1.00 | 5.000 | 0 | 82.4 | 70 | 130 | 4.580 | 10.6 | 20 | |

| Sample ID: **26021092-003ADUP** | SampType: **DUP** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **2/19/2026** | RunNo: **229968** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **93295** | TestNo: **E903.0** | **E903-904** | Analysis Date: **2/27/2026** | SeqNo: **6065191** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit | R | RPD outside accepted recovery limits |
| RL | Reporting Detection Limit | U | Samples with CalcVal < MDL | W | Sample container temperature is out of limit as spec |

Original

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Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: **26021091**

***04-Mar-26***

**Client:** TEKLAB Inc,
**Project:** 26020093 **BatchID:** **93295**

Sample ID: **26021092-003ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **2/19/2026** RunNo: **229968**
Client ID: **BatchQC** Batch ID: **93295** TestNo: **E903.0** **E903-904** Analysis Date: **2/27/2026** SeqNo: **6065191**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | 0 | 0 | 20 | U |
| Yield | 0.980 | | | | | | | 0.9500 | 3.11 | 0 | |

Sample ID: **26021092-004ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **2/19/2026** RunNo: **229968**
Client ID: **BatchQC** Batch ID: **93295** TestNo: **E903.0** **E903-904** Analysis Date: **2/27/2026** SeqNo: **6065193**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | 0 | 0 | 20 | U |
| Yield | 0.990 | | | | | | | 1.000 | 1.01 | 0 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit | R | RPD outside accepted recovery limits |
| RL | Reporting Detection Limit | U | Samples with CalcVal < MDL | W | Sample container temperature is out of limit as spec |

Original

# TEKLAB, INC. Chain of Custody

120 United Drive, Collinsville, IL 62234 Phone (618) 344-1004

26021091

Are the samples chilled? YES ☑ NO ☐ With: ☑ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

**Teklab Inc**
**120 United Drive**
**Collinsville, IL 62234**

Cooler Temp: | Sampler: teklab employee | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
SHIP to ATG-Akron. Please analyze for Radium 226/228 per your usual methods.
State of Sample Origin = IL
Any changes to analysis/methods must be approved by Teklab, Inc. Batch QC is required.

Project# 26020093

Contact: Shelly Hennessy | Email: shennessy@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 40451 | Phone: (618) 344-1004 x 1024

**PLEASE NOTE:**

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

| Lab Use | Sample ID | Sample Date/Time | Unpres | HNO3 | H2SO4 | NaOH | Other | Matrix | Radium 226/228 | Radium 226 | Radium 228 | (CW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~pH<2,2,2~~ | 26020093-001 | 2/11/26 946 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ☐ | ✔ | ✔ | ~~30,40,37~~ |
| ~~pH<2,2,2~~ | 26020093-002 | 2/11/26 1341 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ☐ | ✔ | ✔ | ~~18,20,20~~ SN |
| ~~pH<2,2,2~~ SN | 26020093-003 | 2/11/26 1438 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ☐ | ✔ | ✔ | ~~20,26,28~~ 2/16/26 |
| ~~pH<2,2,2~~ 2/11 | 26020093-004 | 2/11/26 1443 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ☐ | ✔ | ✔ | ~~20,15,20~~ |
| ~~pH<2,2,2~~ | 26020093-005 | 2/12/26 950 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ☐ | ✔ | ✔ | ~~18,16,16~~ |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | |

| *Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| | 2/13/26 1700 | 2/16/26 | |
| | | Faex 1300 | C.S. intact |
| | | 21.8+0.0=21.8 | 2/13 |

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

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

# Sample Log-In Check List

Client Name: **TEK-IL-62234-A** Work Order Number: **26021091** RcptNo: **1**

| | | | |
|---|---|---|---|
| Logged by: | **Spencer M. Hartwell** | **2/16/2026 1:00:00 PM** | Spencer M. Hartwell |
| Completed By: | **Spencer M. Hartwell** | **2/16/2026 2:34:19 PM** | Spencer M. Hartwell |
| Reviewed By: | **Jennifer Woolf** | **2/23/2026 2:12:02 PM** | Jennifer Woolf |

## Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? FedEx

## Log In

3. Coolers are present? Yes ☑ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☑ No ☐
   Custody seals intact on shipping container/cooler? Yes ☑ No ☐ Not Present ☐ NA ☐
   No. Seal Date: 2/13/2026 Signed By:
5. Was an attempt made to cool the samples? Yes ☐ No ☑ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☑ NA ☐
   **Not required**
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? Yes ☑ No ☐
    (Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? Yes ☑ No ☐
    (If no, notify customer for authorization.)

## Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

**Cooler Information**

| Cooler No | Temp ºC | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 21.8 | Good | Yes | | 2/13/2026 | |

May 26, 2026

Eric Staley
City Water, Light & Power
3100 Stevenson Drive
2nd Floor Maintenance Building
Springfield, IL 62712
TEL: (217) 757-8610
FAX: (217) 757-8615

| | |
|---|---|
| Illinois | 100467 |
| Kansas | E-10374 |
| Kansas | E-10438 |
| Louisiana | 05002 |
| Oklahoma | 9978 |

**RE:** Landfill Monitoring Wells G1-G2-G3 **WorkOrder:** 26041297

Dear Eric Staley:

TEKLAB, INC received 13 samples on 4/23/2026 1:04:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004
SHennessy@teklabinc.com

# Report Contents

http://www.teklabinc.com/

**Client:** City Water, Light & Power
**Work Order:** 26041297
**Client Project:** Landfill Monitoring Wells G1-G2-G3
**Report Date:** 26-May-26

**This reporting package includes the following:**


| | |
|---|---|
| Cover Letter | 1 |
| Report Contents | 2 |
| Definitions | 3 |
| Case Narrative | 5 |
| Accreditations | 6 |
| Laboratory Results | 7 |
| Receiving Check List | 67 |
| Chain of Custody | Appended |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

## Abbr Definition

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

**Client:** City Water, Light & Power
**Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3
**Report Date:** 26-May-26

## Qualifiers

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

# Case Narrative

http://www.teklabinc.com/

**Client:** City Water, Light & Power
**Work Order:** 26041297
**Client Project:** Landfill Monitoring Wells G1-G2-G3
**Report Date:** 26-May-26

**Cooler Receipt Temp:** 15.4 °C

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

## Locations


### Collinsville

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

### Collinsville

**Address** 120 United Drive
Collinsville, IL 62234-7433
**Phone** (618) 344-1004
**Fax**
**Email** jhriley@teklabinc.com

### Springfield

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

### Kansas City

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

### Collinsville Air

**Address** 120 United Drive
Collinsville, IL 62234-7425
**Phone** (618) 344-1004
**Fax** (618) 344-1005
**Email** EHurley@teklabinc.com

### Chicago

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

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

| State | Dept | Cert # | NELAP | Exp Date | Lab |
|---|---|---|---|---|---|
| Illinois | IEPA | 100467 | NELAP | 1/31/2027 | Collinsville |
| Kansas | KDHE | E-10438 | NELAP | 7/31/2026 | Collinsville |
| Kansas | KDHE | E-10374 | NELAP | 4/30/2027 | Collinsville |
| Louisiana | LDEQ | 05002 | NELAP | 6/30/2027 | Collinsville |
| Oklahoma | ODEQ | 9978 | NELAP | 12/31/2026 | Collinsville |
| Arkansas | ADEQ | 88-0966 | | 3/14/2027 | Collinsville |
| Illinois | IDPH | 17584 | | 5/31/2026 | Collinsville |
| Iowa | IDNR | 430 | | 6/1/2026 | Collinsville |
| Kansas | KDHE | E-92716 | | 1/31/2027 | Collinsville |
| Kentucky | KWLCP | KY98050 | | 12/31/2026 | Collinsville |
| Kentucky | KWLCP | KY98006 | | 12/31/2026 | Collinsville |
| Kentucky | UST | 0073 | | 1/31/2027 | Collinsville |
| Louisiana | LDEQ | 05003 | | 6/30/2026 | Collinsville |
| Mississippi | MSDH | | | 4/30/2026 | Collinsville |
| Missouri | MDNR | 00930 | | 10/31/2026 | Collinsville |
| Missouri | MDNR | 930 | | 1/31/2028 | Collinsville |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-001 **Client Sample ID:** R101

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 12:07

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **511.53** | ft | 1 | 04/22/2026 12:07 | R383246 |
| Depth to water | * | -5.00 | | **4.03** | ft | 1 | 04/22/2026 12:07 | R383246 |
| Depth to water from measuring point | * | 0 | | **6.83** | ft | 1 | 04/22/2026 12:07 | R383246 |
| Elevation of groundwater surface | * | 0 | | **539.97** | ft | 1 | 04/22/2026 12:07 | R383246 |
| Measuring Point Elevation | * | 0 | | **546.80** | ft | 1 | 04/22/2026 12:07 | R383246 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **61.2** | °F | 1 | 04/22/2026 12:07 | R383246 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **7.21** | | 1 | 04/22/2026 12:07 | R383246 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1090** | µmhos/cm @25C | 1 | 04/22/2026 12:07 | R383246 |
| **EPA 1664B** | | | | | | | | |
| Hexane Extractable Material | NELAP | 6 | | **< 6** | mg/L | 1 | 04/28/2026 16:34 | R383034 |
| **EPA 600 350.1 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **2.65** | mg/L | 1 | 04/23/2026 14:21 | R382764 |
| **EPA 600 350.1 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **2.16** | mg/L | 1 | 04/23/2026 14:19 | R382764 |
| **EPA 600 353.2 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 17:35 | R382815 |
| **EPA 600 353.2 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 19:07 | R382815 |
| **STANDARD METHODS 2540 C (DISSOLVED) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **866** | mg/L | 1 | 04/24/2026 14:29 | R383030 |
| **STANDARD METHODS 5210 B 2016** | | | | | | | | |
| Biochemical Oxygen Demand | NELAP | 10 | | **< 10** | mg/L | 1 | 04/23/2026 16:30 | 255472 |
| **STANDARD METHODS 5220 D (TOTAL) 2011** | | | | | | | | |
| Chemical Oxygen Demand | NELAP | 50 | | **< 50** | mg/L | 1 | 04/29/2026 22:38 | R383133 |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.005 | | **< 0.005** | mg/L | 1 | 04/24/2026 16:08 | 255527 |
| **SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Chloride | NELAP | 5.00 | | **106** | mg/L | 10 | 04/26/2026 6:15 | R382935 |
| Sulfate | NELAP | 10.0 | | **241** | mg/L | 10 | 04/26/2026 6:15 | R382935 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 04/26/2026 5:37 | R382935 |
| Chloride | NELAP | 5.00 | | **105** | mg/L | 10 | 04/26/2026 5:37 | R382935 |
| Sulfate | NELAP | 10.0 | | **241** | mg/L | 10 | 04/26/2026 5:37 | R382935 |
| **SW-846 9060A** | | | | | | | | |
| Total Organic Carbon (TOC) | NELAP | 1.0 | | **1.1** | mg/L | 1 | 04/22/2026 21:41 | R382728 |
| **SW-846 9066 (TOTAL)** | | | | | | | | |
| Phenols | NELAP | 5 | | **< 5** | µg/L | 1 | 04/27/2026 14:42 | R382981 |
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Boron | NELAP | 20.0 | | **129** | µg/L | 1 | 04/24/2026 20:40 | 255439 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 04/24/2026 20:40 | 255439 |
| Chromium | NELAP | 4.0 | | **< 4.0** | µg/L | 1 | 04/24/2026 20:40 | 255439 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-001 **Client Sample ID:** R101

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 12:07

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Magnesium | NELAP | 0.050 | | **65.5** | mg/L | 1 | 04/24/2026 20:40 | 255439 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 04/24/2026 20:40 | 255439 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Aluminum | NELAP | 25.0 | | **< 25.0** | µg/L | 1 | 05/01/2026 10:51 | 255445 |
| Barium | NELAP | 2.5 | | **358** | µg/L | 1 | 05/01/2026 10:51 | 255445 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 05/01/2026 10:51 | 255445 |
| Boron | NELAP | 20.0 | | **135** | µg/L | 1 | 05/01/2026 10:51 | 255445 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 05/01/2026 10:51 | 255445 |
| Calcium | NELAP | 0.100 | | **131** | mg/L | 1 | 04/27/2026 19:48 | 255445 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:51 | 255445 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:51 | 255445 |
| Copper | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:51 | 255445 |
| Iron | NELAP | 40.0 | | **126** | µg/L | 1 | 05/01/2026 10:51 | 255445 |
| Magnesium | NELAP | 0.050 | | **69.1** | mg/L | 1 | 05/01/2026 10:51 | 255445 |
| Manganese | NELAP | 7.0 | | **19800** | µg/L | 1 | 05/01/2026 10:51 | 255445 |
| Nickel | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:51 | 255445 |
| Potassium | NELAP | 0.100 | | **1.96** | mg/L | 1 | 04/27/2026 19:48 | 255445 |
| Selenium | NELAP | 40.0 | | **< 40.0** | µg/L | 1 | 05/01/2026 10:51 | 255445 |
| Silver | NELAP | 7.0 | | **< 7.0** | µg/L | 1 | 05/01/2026 10:51 | 255445 |
| Sodium | NELAP | 0.050 | B | **31.2** | mg/L | 1 | 04/27/2026 19:48 | 255445 |
| Vanadium | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 05/01/2026 10:51 | 255445 |
| Zinc | NELAP | 10.0 | B | **< 10.0** | µg/L | 1 | 05/01/2026 10:51 | 255445 |
| *Contamination present in the MBLK for Zn. Sample results below the reporting limit are reportable per the TNI Standard.* | | | | | | | | |
| *Sample result(s) for Na exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)** | | | | | | | | |
| Arsenic | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/21/2026 10:43 | 255439 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 20:57 | 255439 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 14:14 | 255445 |
| Arsenic | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 14:14 | 255445 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/08/2026 21:15 | 255445 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 05/05/2026 14:14 | 255445 |
| **SW-846 7470A (DISSOLVED)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 16:26 | 255444 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 16:23 | 255444 |
| **EPA 600 548.1, ENDOTHALL BY GC/MS** | | | | | | | | |
| Endothall | * | 10 | | **ND** | µg/L | 1 | 04/26/2026 16:28 | 255565 |
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| 4,4´-DDT | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/24/2026 8:38 | 255514 |
| Alachlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/24/2026 8:38 | 255514 |
| Aldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/24/2026 8:38 | 255514 |
| Dieldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/24/2026 8:38 | 255514 |
| Endrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/24/2026 8:38 | 255514 |
| gamma-BHC | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/24/2026 8:38 | 255514 |
| Heptachlor | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/24/2026 8:38 | 255514 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-001 **Client Sample ID:** R101

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 12:07

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| Heptachlor epoxide | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/24/2026 8:38 | 255514 |
| Methoxychlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/24/2026 8:38 | 255514 |
| Toxaphene | NELAP | 1.06 | | **ND** | µg/L | 1 | 04/24/2026 8:38 | 255514 |
| Chlordane | NELAP | 0.10 | | **ND** | µg/L | 1 | 04/24/2026 8:38 | 255514 |
| Surr: Decachlorobiphenyl | * | 19.9-155 | | **100.4** | %REC | 1 | 04/24/2026 8:38 | 255514 |
| Surr: Tetrachloro-m-xylene | * | 36.1-128 | | **64.8** | %REC | 1 | 04/24/2026 8:38 | 255514 |
| *Elevated reporting limits due to limited sample.* | | | | | | | | |
| **SW-846 3510C, 8082A, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD** | | | | | | | | |
| Polychlorinated Biphenyls (Total) | NELAP | 0.500 | | **ND** | µg/L | 1 | 04/24/2026 13:48 | 255514 |
| Surr: Decachlorobiphenyl | * | 5-174 | | **97.1** | %REC | 1 | 04/24/2026 13:48 | 255514 |
| Surr: Tetrachloro-meta-xylene | * | 22.2-139 | | **80.7** | %REC | 1 | 04/24/2026 13:48 | 255514 |
| **SW-846 3510C, 8151A, CHLORINATED HERBICIDES BY GC/ECD** | | | | | | | | |
| 2,4,5-TP (Silvex) | NELAP | 0.21 | | **ND** | µg/L | 1 | 04/27/2026 22:13 | 255414 |
| 2,4-D | NELAP | 0.32 | | **ND** | µg/L | 1 | 04/27/2026 22:13 | 255414 |
| Dalapon | NELAP | 1.38 | | **ND** | µg/L | 1 | 04/27/2026 22:13 | 255414 |
| Dinoseb | NELAP | 0.21 | | **ND** | µg/L | 1 | 04/27/2026 22:13 | 255414 |
| Pentachlorophenol | NELAP | 0.11 | | **ND** | µg/L | 1 | 04/27/2026 22:13 | 255414 |
| Picloram | NELAP | 0.53 | | **ND** | µg/L | 1 | 04/27/2026 22:13 | 255414 |
| Surr: 2,4-Dichlorophenylacetic acid | * | 1-189 | | **60.8** | %REC | 1 | 04/27/2026 22:13 | 255414 |
| *Elevated reporting limits due to limited sample.* | | | | | | | | |
| **SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Aldicarb | * | 0.98 | | **ND** | µg/L | 1 | 04/27/2026 18:17 | 255504 |
| Atrazine | * | 0.08 | | **ND** | µg/L | 1 | 04/27/2026 18:17 | 255504 |
| Benzo(a)pyrene | * | 0.20 | | **ND** | µg/L | 1 | 04/27/2026 18:17 | 255504 |
| Carbofuran | * | 0.59 | | **ND** | µg/L | 1 | 04/27/2026 18:17 | 255504 |
| Simazine | * | 0.54 | | **ND** | µg/L | 1 | 04/27/2026 18:17 | 255504 |
| Surr: 2-Fluorobiphenyl | * | 39.3-126 | | **83.0** | %REC | 1 | 04/27/2026 18:17 | 255504 |
| Surr: 2-Fluorophenol | * | 1-135 | | **57.2** | %REC | 1 | 04/27/2026 18:17 | 255504 |
| Surr: Nitrobenzene-d5 | * | 45-133 | | **85.3** | %REC | 1 | 04/27/2026 18:17 | 255504 |
| Surr: Phenol-d5 | * | 1-73.7 | | **37.6** | %REC | 1 | 04/27/2026 18:17 | 255504 |
| Surr: p-Terphenyl-d14 | * | 46.2-128 | | **82.6** | %REC | 1 | 04/27/2026 18:17 | 255504 |
| **SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (TOTAL)** | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | NELAP | 5.9 | | **ND** | µg/L | 1 | 04/24/2026 6:48 | 255427 |
| Bis(chloromethyl)ether | * | 9.8 | | **ND** | µg/L | 1 | 04/24/2026 6:48 | 255427 |
| Butyl benzyl phthalate | NELAP | 4.9 | | **ND** | µg/L | 1 | 04/24/2026 6:48 | 255427 |
| Diethyl phthalate | NELAP | 9.8 | | **ND** | µg/L | 1 | 04/24/2026 6:48 | 255427 |
| Dimethyl phthalate | NELAP | 9.8 | | **ND** | µg/L | 1 | 04/24/2026 6:48 | 255427 |
| Di-n-butyl phthalate | NELAP | 9.8 | | **ND** | µg/L | 1 | 04/24/2026 6:48 | 255427 |
| Isophorone | NELAP | 9.8 | | **ND** | µg/L | 1 | 04/24/2026 6:48 | 255427 |
| m,p-Cresol | NELAP | 9.8 | | **ND** | µg/L | 1 | 04/24/2026 6:48 | 255427 |
| Parathion | NELAP | 4.9 | | **ND** | µg/L | 1 | 04/24/2026 6:48 | 255427 |
| Surr: 2,4,6-Tribromophenol | * | 29-129 | | **74.7** | %REC | 1 | 04/24/2026 6:48 | 255427 |
| Surr: 2-Fluorobiphenyl | * | 30.1-112 | | **62.2** | %REC | 1 | 04/24/2026 6:48 | 255427 |
| Surr: 2-Fluorophenol | * | 18.7-95.3 | | **48.7** | %REC | 1 | 04/24/2026 6:48 | 255427 |
| Surr: Nitrobenzene-d5 | * | 23.6-113 | | **56.2** | %REC | 1 | 04/24/2026 6:48 | 255427 |
| Surr: Phenol-d5 | * | 15.9-72.2 | | **40.1** | %REC | 1 | 04/24/2026 6:48 | 255427 |
| Surr: p-Terphenyl-d14 | * | 17.9-114 | | **64.0** | %REC | 1 | 04/24/2026 6:48 | 255427 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-001 **Client Sample ID:** R101

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 12:07

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 8011, DBCP & EDB BY GC/ECD** | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 9:01 | 255511 |
| 1,2-Dibromoethane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 9:01 | 255511 |
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,1,1-Trichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,1,2,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,1,2-Trichloroethane | NELAP | 0.50 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,1-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,1-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,2,3-Trichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,2,3-Trichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,2,4-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,2-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,2-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,3,5-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,3-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,3-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,4-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 2,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 2-Butanone | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 2-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 2-Hexanone | NELAP | 10.0 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 4-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 4-Methyl-2-pentanone | NELAP | 5.00 | B | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Acetone | NELAP | 5.10 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Acrolein | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Acrylonitrile | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Benzene | NELAP | 0.50 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Bromobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Bromochloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Bromodichloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Bromoform | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Bromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Carbon disulfide | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Carbon tetrachloride | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Chlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Chloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Chloroform | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Chloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| cis-1,2-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| cis-1,3-Dichloropropene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Dibromochloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Dibromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Dichlorodifluoromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Ethylbenzene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Hexachlorobutadiene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 10:46 | 255667 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-001 **Client Sample ID:** R101

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 12:07

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Iodomethane | NELAP | 3.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Isopropylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| m,p-Xylenes | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Methylene chloride | NELAP | 2.00 | B | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Naphthalene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| n-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| n-Propylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| o-Xylene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| p-Isopropyltoluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| sec-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Styrene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| tert-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Tetrachloroethene | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Tetrahydrofuran | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Toluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| trans-1,2-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| trans-1,3-Dichloropropene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| trans-1,4-Dichloro-2-butene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Trichloroethene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Trichlorofluoromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Vinyl acetate | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Vinyl chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Xylenes, Total | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| 1,3-Dichloropropene, Total | * | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 10:46 | 255667 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | | **107.7** | %REC | 1 | 04/24/2026 10:46 | 255667 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | **93.9** | %REC | 1 | 04/24/2026 10:46 | 255667 |
| Surr: Dibromofluoromethane | * | 80-120 | | **95.6** | %REC | 1 | 04/24/2026 10:46 | 255667 |
| Surr: Toluene-d8 | * | 80-120 | | **90.1** | %REC | 1 | 04/24/2026 10:46 | 255667 |

*Contamination present in the MBLK for multiple analytes. Sample results below the reporting limit are reportable per the TNI Standard.*

*Allowable Marginal Exceedance of Toluene in the laboratory control sample is verified per the TNI Standard.*

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-002 **Client Sample ID:** G110

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 9:59

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **500.05** | ft | 1 | 04/23/2026 9:59 | R383246 |
| Depth to water | * | -5.00 | | **22.10** | ft | 1 | 04/23/2026 9:59 | R383246 |
| Depth to water from measuring point | * | 0 | | **24.71** | ft | 1 | 04/23/2026 9:59 | R383246 |
| Elevation of groundwater surface | * | 0 | | **532.49** | ft | 1 | 04/23/2026 9:59 | R383246 |
| Measuring Point Elevation | * | 0 | | **557.20** | ft | 1 | 04/23/2026 9:59 | R383246 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **62.3** | °F | 1 | 04/23/2026 9:59 | R383246 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.68** | | 1 | 04/23/2026 9:59 | R383246 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **553** | µmhos/cm @25C | 1 | 04/23/2026 9:59 | R383246 |
| **EPA 1664B** | | | | | | | | |
| Hexane Extractable Material | NELAP | 6 | | **< 6** | mg/L | 1 | 04/28/2026 16:34 | R383034 |
| **EPA 600 350.1 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **2.81** | mg/L | 1 | 04/24/2026 17:48 | R382849 |
| **EPA 600 350.1 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **2.77** | mg/L | 1 | 04/24/2026 17:45 | R382849 |
| **EPA 600 353.2 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 19:28 | R382815 |
| **EPA 600 353.2 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/24/2026 17:44 | R382876 |
| **STANDARD METHODS 2540 C (DISSOLVED) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **480** | mg/L | 1 | 04/27/2026 10:20 | R383124 |
| **STANDARD METHODS 5210 B 2016** | | | | | | | | |
| Biochemical Oxygen Demand | NELAP | 10 | | **< 10** | mg/L | 1 | 04/23/2026 21:11 | 255476 |
| **STANDARD METHODS 5220 D (TOTAL) 2011** | | | | | | | | |
| Chemical Oxygen Demand | NELAP | 50 | | **< 50** | mg/L | 1 | 04/29/2026 22:38 | R383133 |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.005 | | **< 0.005** | mg/L | 1 | 04/24/2026 16:12 | 255527 |
| **SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Chloride | NELAP | 5.00 | | **5.89** | mg/L | 10 | 04/26/2026 6:40 | R382935 |
| Sulfate | NELAP | 10.0 | | **ND** | mg/L | 10 | 04/26/2026 6:40 | R382935 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 04/26/2026 6:28 | R382935 |
| Chloride | NELAP | 5.00 | | **5.85** | mg/L | 10 | 04/26/2026 6:28 | R382935 |
| Sulfate | NELAP | 10.0 | | **ND** | mg/L | 10 | 04/26/2026 6:28 | R382935 |
| **SW-846 9060A** | | | | | | | | |
| Total Organic Carbon (TOC) | NELAP | 1.0 | | **3.7** | mg/L | 1 | 04/28/2026 14:24 | R383084 |
| **SW-846 9066 (TOTAL)** | | | | | | | | |
| Phenols | NELAP | 5 | | **< 5** | µg/L | 1 | 04/28/2026 12:09 | R383018 |
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Boron | NELAP | 20.0 | | **92.6** | µg/L | 1 | 04/27/2026 22:26 | 255519 |
| Cadmium | NELAP | 2.0 | B | **< 2.0** | µg/L | 1 | 04/27/2026 22:26 | 255519 |
| Chromium | NELAP | 4.0 | | **< 4.0** | µg/L | 1 | 04/27/2026 22:26 | 255519 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-002 **Client Sample ID:** G110

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 9:59

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Magnesium | NELAP | 0.050 | | **44.1** | mg/L | 1 | 04/30/2026 12:22 | 255519 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 04/27/2026 22:26 | 255519 |
| *Contamination present in the MBLK for Cd. Sample results below the reporting limit are reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Aluminum | NELAP | 25.0 | | **< 25.0** | µg/L | 1 | 05/01/2026 12:02 | 255531 |
| Barium | NELAP | 2.5 | | **202** | µg/L | 1 | 05/01/2026 12:02 | 255531 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 05/01/2026 12:02 | 255531 |
| Boron | NELAP | 20.0 | | **116** | µg/L | 1 | 05/01/2026 12:02 | 255531 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 05/01/2026 12:02 | 255531 |
| Calcium | NELAP | 0.100 | | **107** | mg/L | 1 | 04/27/2026 17:37 | 255531 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 12:02 | 255531 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 12:02 | 255531 |
| Copper | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 12:02 | 255531 |
| Iron | NELAP | 40.0 | | **6610** | µg/L | 1 | 05/01/2026 12:02 | 255531 |
| Magnesium | NELAP | 0.500 | | **58.8** | mg/L | 10 | 04/30/2026 16:11 | 255531 |
| Manganese | NELAP | 7.0 | | **89.9** | µg/L | 1 | 05/01/2026 12:02 | 255531 |
| Nickel | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 12:02 | 255531 |
| Potassium | NELAP | 0.100 | | **1.65** | mg/L | 1 | 04/27/2026 17:37 | 255531 |
| Selenium | NELAP | 40.0 | | **< 40.0** | µg/L | 1 | 05/01/2026 12:02 | 255531 |
| Silver | NELAP | 7.0 | | **< 7.0** | µg/L | 1 | 05/01/2026 12:02 | 255531 |
| Sodium | NELAP | 0.050 | | **14.4** | mg/L | 1 | 04/27/2026 17:37 | 255531 |
| Vanadium | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 05/01/2026 12:02 | 255531 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 05/01/2026 12:02 | 255531 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)** | | | | | | | | |
| Arsenic | NELAP | 1.0 | | **5.5** | µg/L | 5 | 05/12/2026 18:43 | 255519 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 0:00 | 255519 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/13/2026 17:23 | 255531 |
| Arsenic | NELAP | 1.0 | | **6.2** | µg/L | 5 | 05/13/2026 17:23 | 255531 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/04/2026 22:36 | 255531 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 05/14/2026 22:46 | 255531 |
| **SW-846 7470A (DISSOLVED)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/27/2026 16:00 | 255547 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/27/2026 15:58 | 255547 |
| **EPA 600 548.1, ENDOTHALL BY GC/MS** | | | | | | | | |
| Endothall | * | 10 | | **ND** | µg/L | 1 | 04/26/2026 16:42 | 255565 |
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| 4,4´-DDT | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 10:55 | 255656 |
| Alachlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 10:55 | 255656 |
| Aldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 10:55 | 255656 |
| Dieldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 10:55 | 255656 |
| Endrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 10:55 | 255656 |
| gamma-BHC | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 10:55 | 255656 |
| Heptachlor | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 10:55 | 255656 |
| Heptachlor epoxide | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 10:55 | 255656 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-002 **Client Sample ID:** G110

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 9:59

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| Methoxychlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 10:55 | 255656 |
| Toxaphene | NELAP | 1.01 | | **ND** | µg/L | 1 | 04/28/2026 10:55 | 255656 |
| Chlordane | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 10:55 | 255656 |
| Surr: Decachlorobiphenyl | * | 19.9-155 | | **77.0** | %REC | 1 | 04/28/2026 10:55 | 255656 |
| Surr: Tetrachloro-m-xylene | * | 36.1-128 | | **73.4** | %REC | 1 | 04/28/2026 10:55 | 255656 |
| *Matrix spike recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable.* | | | | | | | | |
| *Elevated reporting limits due to limited sample.* | | | | | | | | |
| **SW-846 3510C, 8082A, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD** | | | | | | | | |
| Polychlorinated Biphenyls (Total) | NELAP | 0.495 | | **ND** | µg/L | 1 | 04/28/2026 11:03 | 255656 |
| Surr: Decachlorobiphenyl | * | 5-174 | | **86.1** | %REC | 1 | 04/28/2026 11:03 | 255656 |
| Surr: Tetrachloro-meta-xylene | * | 22.2-139 | | **87.3** | %REC | 1 | 04/28/2026 11:03 | 255656 |
| **SW-846 3510C, 8151A, CHLORINATED HERBICIDES BY GC/ECD** | | | | | | | | |
| 2,4,5-TP (Silvex) | NELAP | 0.21 | | **ND** | µg/L | 1 | 04/28/2026 5:14 | 255594 |
| 2,4-D | NELAP | 0.31 | | **ND** | µg/L | 1 | 04/28/2026 5:14 | 255594 |
| Dalapon | NELAP | 1.34 | S | **ND** | µg/L | 1 | 04/28/2026 5:14 | 255594 |
| Dinoseb | NELAP | 0.21 | | **ND** | µg/L | 1 | 04/28/2026 5:14 | 255594 |
| Pentachlorophenol | NELAP | 0.10 | | **ND** | µg/L | 1 | 04/28/2026 5:14 | 255594 |
| Picloram | NELAP | 0.52 | | **ND** | µg/L | 1 | 04/28/2026 5:14 | 255594 |
| Surr: 2,4-Dichlorophenylacetic acid | * | 1-189 | | **95.1** | %REC | 1 | 04/28/2026 5:14 | 255594 |
| *Matrix spike did not recover within control limits for Dalapon due to matrix interference.* | | | | | | | | |
| *Elevated reporting limits due to limited sample.* | | | | | | | | |
| **SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Aldicarb | * | 1.04 | | **ND** | µg/L | 1 | 04/27/2026 16:08 | 255504 |
| Atrazine | * | 0.08 | | **ND** | µg/L | 1 | 04/27/2026 16:08 | 255504 |
| Benzo(a)pyrene | * | 0.16 | | **ND** | µg/L | 1 | 04/27/2026 16:08 | 255504 |
| Carbofuran | * | 0.62 | | **ND** | µg/L | 1 | 04/27/2026 16:08 | 255504 |
| Simazine | * | 0.57 | | **ND** | µg/L | 1 | 04/27/2026 16:08 | 255504 |
| Surr: 2-Fluorobiphenyl | * | 39.3-126 | | **89.6** | %REC | 1 | 04/27/2026 16:08 | 255504 |
| Surr: 2-Fluorophenol | * | 1-135 | | **64.0** | %REC | 1 | 04/27/2026 16:08 | 255504 |
| Surr: Nitrobenzene-d5 | * | 45-133 | | **92.6** | %REC | 1 | 04/27/2026 16:08 | 255504 |
| Surr: Phenol-d5 | * | 1-73.7 | | **41.8** | %REC | 1 | 04/27/2026 16:08 | 255504 |
| Surr: p-Terphenyl-d14 | * | 46.2-128 | | **92.4** | %REC | 1 | 04/27/2026 16:08 | 255504 |
| **SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (TOTAL)** | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | NELAP | 5.9 | S | **ND** | µg/L | 1 | 04/29/2026 9:24 | 255726 |
| Bis(chloromethyl)ether | * | 9.9 | | **ND** | µg/L | 1 | 04/29/2026 9:24 | 255726 |
| Butyl benzyl phthalate | NELAP | 4.9 | | **ND** | µg/L | 1 | 04/29/2026 9:24 | 255726 |
| Diethyl phthalate | NELAP | 9.9 | | **ND** | µg/L | 1 | 04/29/2026 9:24 | 255726 |
| Dimethyl phthalate | NELAP | 9.9 | | **ND** | µg/L | 1 | 04/29/2026 9:24 | 255726 |
| Di-n-butyl phthalate | NELAP | 9.9 | S | **ND** | µg/L | 1 | 04/29/2026 9:24 | 255726 |
| Isophorone | NELAP | 9.9 | | **ND** | µg/L | 1 | 04/29/2026 9:24 | 255726 |
| m,p-Cresol | NELAP | 9.9 | | **ND** | µg/L | 1 | 04/29/2026 9:24 | 255726 |
| Parathion | NELAP | 4.9 | | **ND** | µg/L | 1 | 04/29/2026 9:24 | 255726 |
| Surr: 2,4,6-Tribromophenol | * | 29-129 | | **80.6** | %REC | 1 | 04/29/2026 9:24 | 255726 |
| Surr: 2-Fluorobiphenyl | * | 30.1-112 | | **65.9** | %REC | 1 | 04/29/2026 9:24 | 255726 |
| Surr: 2-Fluorophenol | * | 18.7-95.3 | | **53.4** | %REC | 1 | 04/29/2026 9:24 | 255726 |
| Surr: Nitrobenzene-d5 | * | 23.6-113 | | **60.8** | %REC | 1 | 04/29/2026 9:24 | 255726 |
| Surr: Phenol-d5 | * | 15.9-72.2 | | **42.4** | %REC | 1 | 04/29/2026 9:24 | 255726 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-002 **Client Sample ID:** G110

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 9:59

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (TOTAL)** | | | | | | | | |
| Surr: p-Terphenyl-d14 | * | 17.9-114 | | **63.2** | %REC | 1 | 04/29/2026 9:24 | 255726 |
| *Matrix spike did not recover within control limits due to sample composition.* | | | | | | | | |
| **SW-846 8011, DBCP & EDB BY GC/ECD** | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | * | 0.05 | | **ND** | µg/L | 1 | 04/24/2026 15:56 | 255587 |
| 1,2-Dibromoethane | * | 0.05 | | **ND** | µg/L | 1 | 04/24/2026 15:56 | 255587 |
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,1,1-Trichloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,1,2,2-Tetrachloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,1,2-Trichloroethane | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,1-Dichloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,1-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,2,3-Trichlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,2,3-Trichloropropane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,2,4-Trimethylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,2-Dichlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,2-Dichloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,2-Dichloropropane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,3,5-Trimethylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,3-Dichlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,3-Dichloropropane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,4-Dichlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 2,2-Dichloropropane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 2-Butanone | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 2-Chlorotoluene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 2-Hexanone | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 4-Chlorotoluene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 4-Methyl-2-pentanone | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Acetone | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Acrolein | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Acrylonitrile | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Benzene | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Bromobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Bromochloromethane | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Bromodichloromethane | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Bromoform | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Bromomethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Carbon disulfide | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Carbon tetrachloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Chlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Chloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Chloroform | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Chloromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| cis-1,2-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| cis-1,3-Dichloropropene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Dibromochloromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Dibromomethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-002 **Client Sample ID:** G110

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 9:59

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Dichlorodifluoromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Ethylbenzene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Hexachlorobutadiene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Iodomethane | NELAP | 3.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Isopropylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| m,p-Xylenes | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Methylene chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Naphthalene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| n-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| n-Propylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| o-Xylene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| p-Isopropyltoluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| sec-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Styrene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| tert-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Tetrachloroethene | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Tetrahydrofuran | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Toluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| trans-1,2-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| trans-1,3-Dichloropropene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| trans-1,4-Dichloro-2-butene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Trichloroethene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Trichlorofluoromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Vinyl acetate | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Vinyl chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Xylenes, Total | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| 1,3-Dichloropropene, Total | * | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 12:43 | 255771 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | S | **122.5** | %REC | 1 | 04/28/2026 12:43 | 255771 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | **108.1** | %REC | 1 | 04/28/2026 12:43 | 255771 |
| Surr: Dibromofluoromethane | * | 80-120 | | **103.7** | %REC | 1 | 04/28/2026 12:43 | 255771 |
| Surr: Toluene-d8 | * | 80-120 | | **106.8** | %REC | 1 | 04/28/2026 12:43 | 255771 |

*Surrogate recovery is outside control limits due to matrix interference.*

*Allowable Marginal Exceedance of 1,1,2,2-Tetrachloroethane and trans-1,4-Dichloro-2-butene in the laboratory control sample is verified per the TNI Standard.*

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-003 **Client Sample ID:** R111

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:31

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **498.25** | ft | 1 | 04/22/2026 11:31 | R383246 |
| Depth to water | * | -5.00 | | **25.22** | ft | 1 | 04/22/2026 11:31 | R383246 |
| Depth to water from measuring point | * | 0 | | **25.22** | ft | 1 | 04/22/2026 11:31 | R383246 |
| Elevation of groundwater surface | * | 0 | | **528.78** | ft | 1 | 04/22/2026 11:31 | R383246 |
| Measuring Point Elevation | * | 0 | | **554.00** | ft | 1 | 04/22/2026 11:31 | R383246 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **62.6** | °F | 1 | 04/22/2026 11:31 | R383246 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.81** | | 1 | 04/22/2026 11:31 | R383246 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **888** | µmhos/cm @25C | 1 | 04/22/2026 11:31 | R383246 |
| **EPA 1664B** | | | | | | | | |
| Hexane Extractable Material | NELAP | 7 | SR | **< 7** | mg/L | 1 | 04/28/2026 16:34 | R383034 |
| *Matrix spike and RPD did not recover within control limits.* | | | | | | | | |
| **EPA 600 350.1 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **3.32** | mg/L | 1 | 04/23/2026 14:49 | R382764 |
| **EPA 600 350.1 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.20 | | **3.34** | mg/L | 2 | 04/24/2026 17:53 | R382849 |
| **EPA 600 353.2 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 17:39 | R382815 |
| **EPA 600 353.2 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 19:09 | R382815 |
| **STANDARD METHODS 2540 C (DISSOLVED) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **850** | mg/L | 1 | 04/24/2026 14:29 | R383030 |
| *Stable weight could not be achieved after multiple cycles of drying, cooling, and weighing. Final weight is reported.* | | | | | | | | |
| **STANDARD METHODS 5210 B 2016** | | | | | | | | |
| Biochemical Oxygen Demand | NELAP | 10 | | **< 10** | mg/L | 1 | 04/23/2026 16:38 | 255472 |
| **STANDARD METHODS 5220 D (TOTAL) 2011** | | | | | | | | |
| Chemical Oxygen Demand | NELAP | 50 | | **< 50** | mg/L | 1 | 04/29/2026 22:38 | R383133 |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.005 | | **< 0.005** | mg/L | 1 | 04/24/2026 16:38 | 255527 |
| **SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Chloride | NELAP | 5.00 | | **197** | mg/L | 10 | 04/26/2026 7:06 | R382935 |
| Sulfate | NELAP | 10.0 | | **31.2** | mg/L | 10 | 04/26/2026 7:06 | R382935 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 04/26/2026 6:53 | R382935 |
| Chloride | NELAP | 5.00 | | **176** | mg/L | 10 | 04/26/2026 6:53 | R382935 |
| Sulfate | NELAP | 10.0 | | **24.9** | mg/L | 10 | 04/26/2026 6:53 | R382935 |
| **SW-846 9060A** | | | | | | | | |
| Total Organic Carbon (TOC) | NELAP | 1.0 | | **2.5** | mg/L | 1 | 04/22/2026 21:48 | R382728 |
| **SW-846 9066 (TOTAL)** | | | | | | | | |
| Phenols | NELAP | 5 | | **< 5** | µg/L | 1 | 04/27/2026 14:38 | R382981 |
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Boron | NELAP | 20.0 | | **3930** | µg/L | 1 | 04/24/2026 20:42 | 255439 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-003 **Client Sample ID:** R111

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:31

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 04/24/2026 20:42 | 255439 |
| Chromium | NELAP | 4.0 | | **< 4.0** | µg/L | 1 | 04/24/2026 20:42 | 255439 |
| Magnesium | NELAP | 0.050 | S | **69.9** | mg/L | 1 | 04/24/2026 20:42 | 255439 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 04/24/2026 20:42 | 255439 |
| *Matrix spike control limits for Mg are not applicable due to high sample/spike ratio.* | | | | | | | | |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Aluminum | NELAP | 25.0 | | **101** | µg/L | 1 | 05/01/2026 10:53 | 255445 |
| Barium | NELAP | 2.5 | | **632** | µg/L | 1 | 05/01/2026 10:53 | 255445 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 05/01/2026 10:53 | 255445 |
| Boron | NELAP | 20.0 | | **3430** | µg/L | 1 | 05/01/2026 10:53 | 255445 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 05/01/2026 10:53 | 255445 |
| Calcium | NELAP | 0.100 | | **159** | mg/L | 1 | 04/27/2026 19:50 | 255445 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:53 | 255445 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:53 | 255445 |
| Copper | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:53 | 255445 |
| Iron | NELAP | 40.0 | | **11400** | µg/L | 1 | 05/01/2026 10:53 | 255445 |
| Magnesium | NELAP | 0.050 | | **68.6** | mg/L | 1 | 05/01/2026 10:53 | 255445 |
| Manganese | NELAP | 7.0 | | **113** | µg/L | 1 | 05/01/2026 10:53 | 255445 |
| Nickel | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:53 | 255445 |
| Potassium | NELAP | 0.100 | | **2.05** | mg/L | 1 | 04/27/2026 19:50 | 255445 |
| Selenium | NELAP | 40.0 | | **< 40.0** | µg/L | 1 | 05/01/2026 10:53 | 255445 |
| Silver | NELAP | 7.0 | | **< 7.0** | µg/L | 1 | 05/01/2026 10:53 | 255445 |
| Sodium | NELAP | 0.050 | B | **35.8** | mg/L | 1 | 04/27/2026 19:50 | 255445 |
| Vanadium | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 05/01/2026 10:53 | 255445 |
| Zinc | NELAP | 10.0 | B | **< 10.0** | µg/L | 1 | 05/01/2026 10:53 | 255445 |
| *Contamination present in the MBLK for Zn. Sample results below the reporting limit are reportable per the TNI Standard.* | | | | | | | | |
| *Sample result(s) for Na exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)** | | | | | | | | |
| Arsenic | NELAP | 1.0 | | **13.6** | µg/L | 5 | 05/09/2026 3:11 | 255439 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 21:02 | 255439 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 14:16 | 255445 |
| Arsenic | NELAP | 1.0 | | **14.7** | µg/L | 5 | 05/05/2026 14:16 | 255445 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/08/2026 21:18 | 255445 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 05/05/2026 14:16 | 255445 |
| **SW-846 7470A (DISSOLVED)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 16:34 | 255444 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 16:28 | 255444 |
| **EPA 600 548.1, ENDOTHALL BY GC/MS** | | | | | | | | |
| Endothall | * | 10 | | **ND** | µg/L | 1 | 04/26/2026 16:57 | 255565 |
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| 4,4´-DDT | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/28/2026 11:36 | 255656 |
| Alachlor | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/28/2026 11:36 | 255656 |
| Aldrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 11:36 | 255656 |
| Dieldrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 11:36 | 255656 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-003 **Client Sample ID:** R111

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:31

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| Endrin | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/28/2026 11:36 | 255656 |
| gamma-BHC | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 11:36 | 255656 |
| Heptachlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 11:36 | 255656 |
| Heptachlor epoxide | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/28/2026 11:36 | 255656 |
| Methoxychlor | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/28/2026 11:36 | 255656 |
| Toxaphene | NELAP | 1.20 | | **ND** | µg/L | 1 | 04/28/2026 11:36 | 255656 |
| Chlordane | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/28/2026 11:36 | 255656 |
| Surr: Decachlorobiphenyl | * | 19.9-155 | | **62.9** | %REC | 1 | 04/28/2026 11:36 | 255656 |
| Surr: Tetrachloro-m-xylene | * | 36.1-128 | | **73.0** | %REC | 1 | 04/28/2026 11:36 | 255656 |
| *Elevated reporting limits due to limited sample.* | | | | | | | | |
| **SW-846 3510C, 8082A, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD** | | | | | | | | |
| Polychlorinated Biphenyls (Total) | NELAP | 0.494 | | **ND** | µg/L | 1 | 04/28/2026 11:18 | 255656 |
| Surr: Decachlorobiphenyl | * | 5-174 | | **58.5** | %REC | 1 | 04/28/2026 11:18 | 255656 |
| Surr: Tetrachloro-meta-xylene | * | 22.2-139 | | **85.9** | %REC | 1 | 04/28/2026 11:18 | 255656 |
| **SW-846 3510C, 8151A, CHLORINATED HERBICIDES BY GC/ECD** | | | | | | | | |
| 2,4,5-TP (Silvex) | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/27/2026 22:38 | 255414 |
| 2,4-D | NELAP | 0.60 | | **ND** | µg/L | 1 | 04/27/2026 22:38 | 255414 |
| Dalapon | NELAP | 2.60 | | **ND** | µg/L | 1 | 04/27/2026 22:38 | 255414 |
| Dinoseb | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/27/2026 22:38 | 255414 |
| Pentachlorophenol | NELAP | 0.20 | | **ND** | µg/L | 1 | 04/27/2026 22:38 | 255414 |
| Picloram | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/27/2026 22:38 | 255414 |
| Surr: 2,4-Dichlorophenylacetic acid | * | 1-189 | | **71.7** | %REC | 1 | 04/27/2026 22:38 | 255414 |
| *Elevated reporting limit due to sample composition.* | | | | | | | | |
| **SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Aldicarb | * | 1.00 | | **ND** | µg/L | 1 | 04/27/2026 17:45 | 255504 |
| Atrazine | * | 0.08 | | **ND** | µg/L | 1 | 04/27/2026 17:45 | 255504 |
| Benzo(a)pyrene | * | 0.20 | | **ND** | µg/L | 1 | 04/27/2026 17:45 | 255504 |
| Carbofuran | * | 0.60 | | **ND** | µg/L | 1 | 04/27/2026 17:45 | 255504 |
| Simazine | * | 0.55 | | **ND** | µg/L | 1 | 04/27/2026 17:45 | 255504 |
| Surr: 2-Fluorobiphenyl | * | 39.3-126 | | **80.1** | %REC | 1 | 04/27/2026 17:45 | 255504 |
| Surr: 2-Fluorophenol | * | 1-135 | | **55.2** | %REC | 1 | 04/27/2026 17:45 | 255504 |
| Surr: Nitrobenzene-d5 | * | 45-133 | | **81.8** | %REC | 1 | 04/27/2026 17:45 | 255504 |
| Surr: Phenol-d5 | * | 1-73.7 | | **37.4** | %REC | 1 | 04/27/2026 17:45 | 255504 |
| Surr: p-Terphenyl-d14 | * | 46.2-128 | | **90.2** | %REC | 1 | 04/27/2026 17:45 | 255504 |
| **SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (TOTAL)** | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | NELAP | 6.0 | | **ND** | µg/L | 1 | 04/24/2026 7:20 | 255427 |
| Bis(chloromethyl)ether | * | 10.0 | | **ND** | µg/L | 1 | 04/24/2026 7:20 | 255427 |
| Butyl benzyl phthalate | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/24/2026 7:20 | 255427 |
| Diethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/24/2026 7:20 | 255427 |
| Dimethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/24/2026 7:20 | 255427 |
| Di-n-butyl phthalate | NELAP | 10.0 | | **15.9** | µg/L | 1 | 04/24/2026 7:20 | 255427 |
| Isophorone | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/24/2026 7:20 | 255427 |
| m,p-Cresol | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/24/2026 7:20 | 255427 |
| Parathion | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/24/2026 7:20 | 255427 |
| Surr: 2,4,6-Tribromophenol | * | 29-129 | | **66.5** | %REC | 1 | 04/24/2026 7:20 | 255427 |
| Surr: 2-Fluorobiphenyl | * | 30.1-112 | | **55.6** | %REC | 1 | 04/24/2026 7:20 | 255427 |
| Surr: 2-Fluorophenol | * | 18.7-95.3 | | **45.3** | %REC | 1 | 04/24/2026 7:20 | 255427 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-003 **Client Sample ID:** R111

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:31

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (TOTAL)** | | | | | | | | |
| Surr: Nitrobenzene-d5 | * | 23.6-113 | | **51.9** | %REC | 1 | 04/24/2026 7:20 | 255427 |
| Surr: Phenol-d5 | * | 15.9-72.2 | | **36.6** | %REC | 1 | 04/24/2026 7:20 | 255427 |
| Surr: p-Terphenyl-d14 | * | 17.9-114 | | **61.3** | %REC | 1 | 04/24/2026 7:20 | 255427 |
| **SW-846 8011, DBCP & EDB BY GC/ECD** | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | * | 0.05 | | **ND** | µg/L | 1 | 04/24/2026 9:13 | 255511 |
| 1,2-Dibromoethane | * | 0.05 | | **ND** | µg/L | 1 | 04/24/2026 9:13 | 255511 |
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,1,1-Trichloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,1,2,2-Tetrachloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,1,2-Trichloroethane | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,1-Dichloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,1-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,2,3-Trichlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,2,3-Trichloropropane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,2,4-Trimethylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,2-Dichlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,2-Dichloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,2-Dichloropropane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,3,5-Trimethylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,3-Dichlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,3-Dichloropropane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,4-Dichlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 2,2-Dichloropropane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 2-Butanone | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 2-Chlorotoluene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 2-Hexanone | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 4-Chlorotoluene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 4-Methyl-2-pentanone | NELAP | 5.00 | B | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Acetone | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Acrolein | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Acrylonitrile | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Benzene | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Bromobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Bromochloromethane | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Bromodichloromethane | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Bromoform | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Bromomethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Carbon disulfide | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Carbon tetrachloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Chlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Chloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Chloroform | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Chloromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| cis-1,2-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| cis-1,3-Dichloropropene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Dibromochloromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-003 **Client Sample ID:** R111

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:31

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Dibromomethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Dichlorodifluoromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Ethylbenzene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Hexachlorobutadiene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Iodomethane | NELAP | 3.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Isopropylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| m,p-Xylenes | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Methylene chloride | NELAP | 2.00 | B | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Naphthalene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| n-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| n-Propylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| o-Xylene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| p-Isopropyltoluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| sec-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Styrene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| tert-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Tetrachloroethene | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Tetrahydrofuran | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Toluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| trans-1,2-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| trans-1,3-Dichloropropene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| trans-1,4-Dichloro-2-butene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Trichloroethene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Trichlorofluoromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Vinyl acetate | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Vinyl chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Xylenes, Total | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| 1,3-Dichloropropene, Total | * | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 11:11 | 255667 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | | **106.0** | %REC | 1 | 04/24/2026 11:11 | 255667 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | **98.2** | %REC | 1 | 04/24/2026 11:11 | 255667 |
| Surr: Dibromofluoromethane | * | 80-120 | | **96.6** | %REC | 1 | 04/24/2026 11:11 | 255667 |
| Surr: Toluene-d8 | * | 80-120 | | **103.6** | %REC | 1 | 04/24/2026 11:11 | 255667 |

*Contamination present in the MBLK for multiple analytes. Sample results below the reporting limit are reportable per the TNI Standard.*

*Allowable Marginal Exceedance of Toluene in the laboratory control sample is verified per the TNI Standard.*

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-004 **Client Sample ID:** G112

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 11:04

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **495.99** | ft | 1 | 04/23/2026 11:04 | R383246 |
| Depth to water | * | -5.00 | | **25.69** | ft | 1 | 04/23/2026 11:04 | R383246 |
| Depth to water from measuring point | * | 0 | | **27.87** | ft | 1 | 04/23/2026 11:04 | R383246 |
| Elevation of groundwater surface | * | 0 | | **526.93** | ft | 1 | 04/23/2026 11:04 | R383246 |
| Measuring Point Elevation | * | 0 | | **554.80** | ft | 1 | 04/23/2026 11:04 | R383246 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **64.1** | °F | 1 | 04/23/2026 11:04 | R383246 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **7.02** | | 1 | 04/23/2026 11:04 | R383246 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **965** | µmhos/cm @25C | 1 | 04/23/2026 11:04 | R383246 |
| **EPA 1664B** | | | | | | | | |
| Hexane Extractable Material | NELAP | 6 | | **< 6** | mg/L | 1 | 04/28/2026 16:34 | R383034 |
| **EPA 600 350.1 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **4.48** | mg/L | 1 | 04/24/2026 18:03 | R382849 |
| **EPA 600 350.1 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **4.63** | mg/L | 1 | 04/27/2026 18:22 | R382991 |
| **EPA 600 353.2 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 19:29 | R382815 |
| **EPA 600 353.2 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/24/2026 17:45 | R382876 |
| **STANDARD METHODS 2540 C (DISSOLVED) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1080** | mg/L | 1 | 04/27/2026 10:20 | R383124 |
| **STANDARD METHODS 5210 B 2016** | | | | | | | | |
| Biochemical Oxygen Demand | NELAP | 10 | | **< 10** | mg/L | 1 | 04/23/2026 21:15 | 255476 |
| **STANDARD METHODS 5220 D (TOTAL) 2011** | | | | | | | | |
| Chemical Oxygen Demand | NELAP | 50 | | **< 50** | mg/L | 1 | 04/29/2026 22:38 | R383133 |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.005 | | **< 0.005** | mg/L | 1 | 04/24/2026 16:55 | 255527 |
| **SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Chloride | NELAP | 5.00 | | **170** | mg/L | 10 | 04/26/2026 7:31 | R382935 |
| Sulfate | NELAP | 10.0 | | **247** | mg/L | 10 | 04/26/2026 7:31 | R382935 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 04/26/2026 7:18 | R382935 |
| Chloride | NELAP | 5.00 | | **166** | mg/L | 10 | 04/26/2026 7:18 | R382935 |
| Sulfate | NELAP | 10.0 | | **243** | mg/L | 10 | 04/26/2026 7:18 | R382935 |
| **SW-846 9060A** | | | | | | | | |
| Total Organic Carbon (TOC) | NELAP | 1.0 | | **2.9** | mg/L | 1 | 04/28/2026 14:30 | R383084 |
| **SW-846 9066 (TOTAL)** | | | | | | | | |
| Phenols | NELAP | 5 | | **< 5** | µg/L | 1 | 04/28/2026 12:04 | R383018 |
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Boron | NELAP | 20.0 | | **477** | µg/L | 1 | 04/27/2026 22:38 | 255519 |
| Cadmium | NELAP | 2.0 | B | **< 2.0** | µg/L | 1 | 04/27/2026 22:38 | 255519 |
| Chromium | NELAP | 4.0 | | **< 4.0** | µg/L | 1 | 04/27/2026 22:38 | 255519 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-004 **Client Sample ID:** G112

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 11:04

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Magnesium | NELAP | 0.050 | S | **71.3** | mg/L | 1 | 04/30/2026 12:23 | 255519 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 04/27/2026 22:38 | 255519 |
| *Matrix spike control limits for Mg are not applicable due to high sample/spike ratio.* | | | | | | | | |
| *Contamination present in the MBLK for Cd. Sample results below the reporting limit are reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Aluminum | NELAP | 25.0 | | **< 25.0** | µg/L | 1 | 05/01/2026 12:04 | 255531 |
| Barium | NELAP | 2.5 | | **523** | µg/L | 1 | 05/01/2026 12:04 | 255531 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 05/01/2026 12:04 | 255531 |
| Boron | NELAP | 20.0 | | **616** | µg/L | 1 | 05/01/2026 12:04 | 255531 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 05/01/2026 12:04 | 255531 |
| Calcium | NELAP | 0.100 | | **216** | mg/L | 1 | 04/27/2026 17:39 | 255531 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 12:04 | 255531 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 12:04 | 255531 |
| Copper | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 12:04 | 255531 |
| Iron | NELAP | 40.0 | | **10600** | µg/L | 1 | 05/01/2026 12:04 | 255531 |
| Magnesium | NELAP | 0.500 | | **98.5** | mg/L | 10 | 04/30/2026 16:12 | 255531 |
| Manganese | NELAP | 7.0 | | **324** | µg/L | 1 | 05/01/2026 12:04 | 255531 |
| Nickel | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 12:04 | 255531 |
| Potassium | NELAP | 0.100 | | **2.49** | mg/L | 1 | 04/27/2026 17:39 | 255531 |
| Selenium | NELAP | 40.0 | | **< 40.0** | µg/L | 1 | 05/01/2026 12:04 | 255531 |
| Silver | NELAP | 7.0 | | **< 7.0** | µg/L | 1 | 05/01/2026 12:04 | 255531 |
| Sodium | NELAP | 0.050 | | **32.0** | mg/L | 1 | 04/27/2026 17:39 | 255531 |
| Vanadium | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 05/01/2026 12:04 | 255531 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 05/01/2026 12:04 | 255531 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)** | | | | | | | | |
| Arsenic | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/12/2026 18:47 | 255519 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 0:04 | 255519 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/13/2026 17:27 | 255531 |
| Arsenic | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/13/2026 17:27 | 255531 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/04/2026 22:40 | 255531 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 05/14/2026 22:49 | 255531 |
| **SW-846 7470A (DISSOLVED)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/27/2026 16:04 | 255547 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/27/2026 16:02 | 255547 |
| **EPA 600 548.1, ENDOTHALL BY GC/MS** | | | | | | | | |
| Endothall | * | 10 | | **ND** | µg/L | 1 | 04/26/2026 17:12 | 255565 |
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| 4,4´-DDT | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/27/2026 13:01 | 255608 |
| Alachlor | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/27/2026 13:01 | 255608 |
| Aldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/27/2026 13:01 | 255608 |
| Dieldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/27/2026 13:01 | 255608 |
| Endrin | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/27/2026 13:01 | 255608 |
| gamma-BHC | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/27/2026 13:01 | 255608 |
| Heptachlor | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/27/2026 13:01 | 255608 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-004 **Client Sample ID:** G112

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 11:04

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| Heptachlor epoxide | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/27/2026 13:01 | 255608 |
| Methoxychlor | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/27/2026 13:01 | 255608 |
| Toxaphene | NELAP | 1.11 | | **ND** | µg/L | 1 | 04/27/2026 13:01 | 255608 |
| Chlordane | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/27/2026 13:01 | 255608 |
| Surr: Decachlorobiphenyl | * | 19.9-155 | | **50.1** | %REC | 1 | 04/27/2026 13:01 | 255608 |
| Surr: Tetrachloro-m-xylene | * | 36.1-128 | | **63.4** | %REC | 1 | 04/27/2026 13:01 | 255608 |
| *Elevated reporting limits due to limited sample.* | | | | | | | | |
| **SW-846 3510C, 8082A, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD** | | | | | | | | |
| Polychlorinated Biphenyls (Total) | NELAP | 0.500 | | **ND** | µg/L | 1 | 04/27/2026 13:13 | 255608 |
| Surr: Decachlorobiphenyl | * | 5-174 | | **42.9** | %REC | 1 | 04/27/2026 13:13 | 255608 |
| Surr: Tetrachloro-meta-xylene | * | 22.2-139 | | **77.0** | %REC | 1 | 04/27/2026 13:13 | 255608 |
| **SW-846 3510C, 8151A, CHLORINATED HERBICIDES BY GC/ECD** | | | | | | | | |
| 2,4,5-TP (Silvex) | NELAP | 0.21 | | **ND** | µg/L | 1 | 04/27/2026 23:03 | 255594 |
| 2,4-D | NELAP | 0.31 | | **ND** | µg/L | 1 | 04/27/2026 23:03 | 255594 |
| Dalapon | NELAP | 1.35 | | **ND** | µg/L | 1 | 04/27/2026 23:03 | 255594 |
| Dinoseb | NELAP | 0.21 | | **ND** | µg/L | 1 | 04/27/2026 23:03 | 255594 |
| Pentachlorophenol | NELAP | 0.10 | | **ND** | µg/L | 1 | 04/27/2026 23:03 | 255594 |
| Picloram | NELAP | 0.52 | | **ND** | µg/L | 1 | 04/27/2026 23:03 | 255594 |
| Surr: 2,4-Dichlorophenylacetic acid | * | 1-189 | | **84.2** | %REC | 1 | 04/27/2026 23:03 | 255594 |
| *Elevated reporting limits due to limited sample.* | | | | | | | | |
| **SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Aldicarb | * | 1.00 | | **ND** | µg/L | 1 | 04/27/2026 18:50 | 255504 |
| Atrazine | * | 0.08 | | **ND** | µg/L | 1 | 04/27/2026 18:50 | 255504 |
| Benzo(a)pyrene | * | 0.20 | | **ND** | µg/L | 1 | 04/27/2026 18:50 | 255504 |
| Carbofuran | * | 0.60 | | **ND** | µg/L | 1 | 04/27/2026 18:50 | 255504 |
| Simazine | * | 0.55 | | **ND** | µg/L | 1 | 04/27/2026 18:50 | 255504 |
| Surr: 2-Fluorobiphenyl | * | 39.3-126 | | **71.0** | %REC | 1 | 04/27/2026 18:50 | 255504 |
| Surr: 2-Fluorophenol | * | 1-135 | | **52.8** | %REC | 1 | 04/27/2026 18:50 | 255504 |
| Surr: Nitrobenzene-d5 | * | 45-133 | | **76.6** | %REC | 1 | 04/27/2026 18:50 | 255504 |
| Surr: Phenol-d5 | * | 1-73.7 | | **35.2** | %REC | 1 | 04/27/2026 18:50 | 255504 |
| Surr: p-Terphenyl-d14 | * | 46.2-128 | | **82.9** | %REC | 1 | 04/27/2026 18:50 | 255504 |
| **SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (TOTAL)** | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | NELAP | 6.0 | | **ND** | µg/L | 1 | 04/29/2026 11:00 | 255726 |
| Bis(chloromethyl)ether | * | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 11:00 | 255726 |
| Butyl benzyl phthalate | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 11:00 | 255726 |
| Diethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 11:00 | 255726 |
| Dimethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 11:00 | 255726 |
| Di-n-butyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 11:00 | 255726 |
| Isophorone | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 11:00 | 255726 |
| m,p-Cresol | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 11:00 | 255726 |
| Parathion | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 11:00 | 255726 |
| Surr: 2,4,6-Tribromophenol | * | 29-129 | | **57.6** | %REC | 1 | 04/29/2026 11:00 | 255726 |
| Surr: 2-Fluorobiphenyl | * | 30.1-112 | | **47.3** | %REC | 1 | 04/29/2026 11:00 | 255726 |
| Surr: 2-Fluorophenol | * | 18.7-95.3 | | **39.2** | %REC | 1 | 04/29/2026 11:00 | 255726 |
| Surr: Nitrobenzene-d5 | * | 23.6-113 | | **44.7** | %REC | 1 | 04/29/2026 11:00 | 255726 |
| Surr: Phenol-d5 | * | 15.9-72.2 | | **31.2** | %REC | 1 | 04/29/2026 11:00 | 255726 |
| Surr: p-Terphenyl-d14 | * | 17.9-114 | | **47.7** | %REC | 1 | 04/29/2026 11:00 | 255726 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-004 **Client Sample ID:** G112

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 11:04

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 8011, DBCP & EDB BY GC/ECD** | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 16:07 | 255587 |
| 1,2-Dibromoethane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 16:07 | 255587 |
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,1,1-Trichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,1,2,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,1,2-Trichloroethane | NELAP | 0.50 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,1-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,1-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,2,3-Trichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,2,3-Trichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,2,4-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,2-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,2-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,3,5-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,3-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,3-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,4-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 2,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 2-Butanone | NELAP | 5.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 2-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 2-Hexanone | NELAP | 10.0 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 4-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 4-Methyl-2-pentanone | NELAP | 5.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Acetone | NELAP | 5.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Acrolein | NELAP | 5.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Acrylonitrile | NELAP | 5.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Benzene | NELAP | 0.50 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Bromobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Bromochloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Bromodichloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Bromoform | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Bromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Carbon disulfide | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Carbon tetrachloride | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Chlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Chloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Chloroform | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Chloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| cis-1,2-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| cis-1,3-Dichloropropene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Dibromochloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Dibromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Dichlorodifluoromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Ethylbenzene | NELAP | 1.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Hexachlorobutadiene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:07 | 255771 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-004 **Client Sample ID:** G112

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 11:04

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Iodomethane | NELAP | 3.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Isopropylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| m,p-Xylenes | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Methylene chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Naphthalene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| n-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| n-Propylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| o-Xylene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| p-Isopropyltoluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| sec-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Styrene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| tert-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Tetrachloroethene | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Tetrahydrofuran | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Toluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| trans-1,2-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| trans-1,3-Dichloropropene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| trans-1,4-Dichloro-2-butene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Trichloroethene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Trichlorofluoromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Vinyl acetate | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Vinyl chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Xylenes, Total | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| 1,3-Dichloropropene, Total | * | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:07 | 255771 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | S | **120.6** | %REC | 1 | 04/28/2026 13:07 | 255771 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | **108.5** | %REC | 1 | 04/28/2026 13:07 | 255771 |
| Surr: Dibromofluoromethane | * | 80-120 | | **102.4** | %REC | 1 | 04/28/2026 13:07 | 255771 |
| Surr: Toluene-d8 | * | 80-120 | | **105.8** | %REC | 1 | 04/28/2026 13:07 | 255771 |

*Surrogate recovery is outside control limits due to matrix interference.*

*Allowable Marginal Exceedance of 1,1,2,2-Tetrachloroethane and trans-1,4-Dichloro-2-butene in the laboratory control sample is verified per the TNI Standard.*

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-005 **Client Sample ID:** G113

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 10:17

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **524.85** | ft | 1 | 04/23/2026 10:17 | R383246 |
| Depth to water | * | -5.00 | | **2.05** | ft | 1 | 04/23/2026 10:17 | R383246 |
| Depth to water from measuring point | * | 0 | | **4.55** | ft | 1 | 04/23/2026 10:17 | R383246 |
| Elevation of groundwater surface | * | 0 | | **533.15** | ft | 1 | 04/23/2026 10:17 | R383246 |
| Measuring Point Elevation | * | 0 | | **537.70** | ft | 1 | 04/23/2026 10:17 | R383246 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **57.0** | °F | 1 | 04/23/2026 10:17 | R383246 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.08** | | 1 | 04/23/2026 10:17 | R383246 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1670** | µmhos/cm @25C | 1 | 04/23/2026 10:17 | R383246 |
| **EPA 1664B** | | | | | | | | |
| Hexane Extractable Material | NELAP | 6 | | **< 6** | mg/L | 1 | 04/28/2026 16:34 | R383034 |
| **EPA 600 350.1 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **0.93** | mg/L | 1 | 04/24/2026 18:08 | R382849 |
| **EPA 600 350.1 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **0.88** | mg/L | 1 | 04/24/2026 18:05 | R382849 |
| **EPA 600 353.2 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 19:30 | R382815 |
| **EPA 600 353.2 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | H | **< 0.050** | mg/L | 1 | 04/27/2026 16:39 | R382997 |
| **STANDARD METHODS 2540 C (DISSOLVED) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1670** | mg/L | 1 | 04/27/2026 10:20 | R383124 |
| **STANDARD METHODS 5210 B 2016** | | | | | | | | |
| Biochemical Oxygen Demand | NELAP | 10 | | **11** | mg/L | 1 | 04/23/2026 21:19 | 255476 |
| **STANDARD METHODS 5220 D (TOTAL) 2011** | | | | | | | | |
| Chemical Oxygen Demand | NELAP | 50 | | **64** | mg/L | 1 | 04/29/2026 22:39 | R383133 |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.005 | | **< 0.005** | mg/L | 1 | 04/24/2026 17:04 | 255527 |
| **SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Chloride | NELAP | 5.00 | | **70.1** | mg/L | 10 | 04/26/2026 8:34 | R382935 |
| Sulfate | NELAP | 10.0 | | **678** | mg/L | 10 | 04/26/2026 8:34 | R382935 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 04/26/2026 8:22 | R382935 |
| Chloride | NELAP | 5.00 | | **72.8** | mg/L | 10 | 04/26/2026 8:22 | R382935 |
| Sulfate | NELAP | 10.0 | | **707** | mg/L | 10 | 04/26/2026 8:22 | R382935 |
| **SW-846 9060A** | | | | | | | | |
| Total Organic Carbon (TOC) | NELAP | 5.0 | | **7.6** | mg/L | 5 | 04/28/2026 14:42 | R383084 |
| **SW-846 9066 (TOTAL)** | | | | | | | | |
| Phenols | NELAP | 5 | | **< 5** | µg/L | 1 | 04/28/2026 12:16 | R383018 |
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Boron | NELAP | 20.0 | | **1600** | µg/L | 1 | 04/27/2026 22:43 | 255519 |
| Cadmium | NELAP | 2.0 | B | **< 2.0** | µg/L | 1 | 04/27/2026 22:43 | 255519 |
| Chromium | NELAP | 4.0 | | **< 4.0** | µg/L | 1 | 04/27/2026 22:43 | 255519 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-005 **Client Sample ID:** G113

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 10:17

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Magnesium | NELAP | 0.050 | | **70.5** | mg/L | 1 | 04/30/2026 12:28 | 255519 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 04/27/2026 22:43 | 255519 |
| *Contamination present in the MBLK for Cd. Sample results below the reporting limit are reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Aluminum | NELAP | 25.0 | | **107** | µg/L | 1 | 05/01/2026 12:06 | 255531 |
| Barium | NELAP | 2.5 | | **132** | µg/L | 1 | 05/01/2026 12:06 | 255531 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 05/01/2026 12:06 | 255531 |
| Boron | NELAP | 20.0 | | **2010** | µg/L | 1 | 05/01/2026 12:06 | 255531 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 05/01/2026 12:06 | 255531 |
| Calcium | NELAP | 0.100 | | **299** | mg/L | 1 | 04/27/2026 17:41 | 255531 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 12:06 | 255531 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 12:06 | 255531 |
| Copper | NELAP | 5.0 | | **10.0** | µg/L | 1 | 05/01/2026 12:06 | 255531 |
| Iron | NELAP | 40.0 | | **4200** | µg/L | 1 | 05/01/2026 12:06 | 255531 |
| Magnesium | NELAP | 0.500 | | **102** | mg/L | 10 | 04/30/2026 16:14 | 255531 |
| Manganese | NELAP | 7.0 | | **9460** | µg/L | 1 | 05/01/2026 12:06 | 255531 |
| Nickel | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 12:06 | 255531 |
| Potassium | NELAP | 0.100 | | **3.60** | mg/L | 1 | 04/27/2026 17:41 | 255531 |
| Selenium | NELAP | 40.0 | | **< 40.0** | µg/L | 1 | 05/01/2026 12:06 | 255531 |
| Silver | NELAP | 7.0 | | **< 7.0** | µg/L | 1 | 05/01/2026 12:06 | 255531 |
| Sodium | NELAP | 0.050 | | **24.6** | mg/L | 1 | 04/27/2026 17:41 | 255531 |
| Vanadium | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 05/01/2026 12:06 | 255531 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 05/01/2026 12:06 | 255531 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)** | | | | | | | | |
| Arsenic | NELAP | 1.0 | | **1.5** | µg/L | 5 | 05/13/2026 18:13 | 255519 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 0:17 | 255519 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/13/2026 17:30 | 255531 |
| Arsenic | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/13/2026 17:30 | 255531 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/04/2026 22:44 | 255531 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 05/14/2026 22:53 | 255531 |
| **SW-846 7470A (DISSOLVED)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/27/2026 16:13 | 255547 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/27/2026 16:07 | 255547 |
| **EPA 600 548.1, ENDOTHALL BY GC/MS** | | | | | | | | |
| Endothall | * | 10 | | **ND** | µg/L | 1 | 04/26/2026 17:27 | 255565 |
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| 4,4´-DDT | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/27/2026 13:14 | 255608 |
| Alachlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/27/2026 13:14 | 255608 |
| Aldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/27/2026 13:14 | 255608 |
| Dieldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/27/2026 13:14 | 255608 |
| Endrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/27/2026 13:14 | 255608 |
| gamma-BHC | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/27/2026 13:14 | 255608 |
| Heptachlor | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/27/2026 13:14 | 255608 |
| Heptachlor epoxide | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/27/2026 13:14 | 255608 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-005 **Client Sample ID:** G113

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 10:17

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| Methoxychlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/27/2026 13:14 | 255608 |
| Toxaphene | NELAP | 1.04 | | **ND** | µg/L | 1 | 04/27/2026 13:14 | 255608 |
| Chlordane | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/27/2026 13:14 | 255608 |
| Surr: Decachlorobiphenyl | * | 19.9-155 | | **71.4** | %REC | 1 | 04/27/2026 13:14 | 255608 |
| Surr: Tetrachloro-m-xylene | * | 36.1-128 | | **52.9** | %REC | 1 | 04/27/2026 13:14 | 255608 |
| *Elevated reporting limits due to limited sample.* | | | | | | | | |
| **SW-846 3510C, 8082A, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD** | | | | | | | | |
| Polychlorinated Biphenyls (Total) | NELAP | 0.500 | | **ND** | µg/L | 1 | 04/27/2026 13:29 | 255608 |
| Surr: Decachlorobiphenyl | * | 5-174 | | **60.5** | %REC | 1 | 04/27/2026 13:29 | 255608 |
| Surr: Tetrachloro-meta-xylene | * | 22.2-139 | | **62.8** | %REC | 1 | 04/27/2026 13:29 | 255608 |
| **SW-846 3510C, 8151A, CHLORINATED HERBICIDES BY GC/ECD** | | | | | | | | |
| 2,4,5-TP (Silvex) | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/27/2026 23:28 | 255594 |
| 2,4-D | NELAP | 0.60 | | **ND** | µg/L | 1 | 04/27/2026 23:28 | 255594 |
| Dalapon | NELAP | 2.60 | | **ND** | µg/L | 1 | 04/27/2026 23:28 | 255594 |
| Dinoseb | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/27/2026 23:28 | 255594 |
| Pentachlorophenol | NELAP | 0.20 | | **ND** | µg/L | 1 | 04/27/2026 23:28 | 255594 |
| Picloram | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/27/2026 23:28 | 255594 |
| Surr: 2,4-Dichlorophenylacetic acid | * | 1-189 | | **82.8** | %REC | 1 | 04/27/2026 23:28 | 255594 |
| *Elevated reporting limit due to sample composition.* | | | | | | | | |
| **SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Aldicarb | * | 1.00 | | **ND** | µg/L | 1 | 04/27/2026 19:23 | 255504 |
| Atrazine | * | 0.08 | | **ND** | µg/L | 1 | 04/27/2026 19:23 | 255504 |
| Benzo(a)pyrene | * | 0.20 | | **ND** | µg/L | 1 | 04/27/2026 19:23 | 255504 |
| Carbofuran | * | 0.60 | | **ND** | µg/L | 1 | 04/27/2026 19:23 | 255504 |
| Simazine | * | 0.55 | | **ND** | µg/L | 1 | 04/27/2026 19:23 | 255504 |
| Surr: 2-Fluorobiphenyl | * | 39.3-126 | | **62.5** | %REC | 1 | 04/27/2026 19:23 | 255504 |
| Surr: 2-Fluorophenol | * | 1-135 | | **37.8** | %REC | 1 | 04/27/2026 19:23 | 255504 |
| Surr: Nitrobenzene-d5 | * | 45-133 | | **65.7** | %REC | 1 | 04/27/2026 19:23 | 255504 |
| Surr: Phenol-d5 | * | 1-73.7 | | **27.4** | %REC | 1 | 04/27/2026 19:23 | 255504 |
| Surr: p-Terphenyl-d14 | * | 46.2-128 | | **61.7** | %REC | 1 | 04/27/2026 19:23 | 255504 |
| **SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (TOTAL)** | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | NELAP | 6.0 | | **ND** | µg/L | 1 | 04/29/2026 11:32 | 255726 |
| Bis(chloromethyl)ether | * | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 11:32 | 255726 |
| Butyl benzyl phthalate | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 11:32 | 255726 |
| Diethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 11:32 | 255726 |
| Dimethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 11:32 | 255726 |
| Di-n-butyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 11:32 | 255726 |
| Isophorone | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 11:32 | 255726 |
| m,p-Cresol | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 11:32 | 255726 |
| Parathion | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 11:32 | 255726 |
| Surr: 2,4,6-Tribromophenol | * | 29-129 | | **52.0** | %REC | 1 | 04/29/2026 11:32 | 255726 |
| Surr: 2-Fluorobiphenyl | * | 30.1-112 | | **40.8** | %REC | 1 | 04/29/2026 11:32 | 255726 |
| Surr: 2-Fluorophenol | * | 18.7-95.3 | | **32.0** | %REC | 1 | 04/29/2026 11:32 | 255726 |
| Surr: Nitrobenzene-d5 | * | 23.6-113 | | **38.1** | %REC | 1 | 04/29/2026 11:32 | 255726 |
| Surr: Phenol-d5 | * | 15.9-72.2 | | **25.5** | %REC | 1 | 04/29/2026 11:32 | 255726 |
| Surr: p-Terphenyl-d14 | * | 17.9-114 | | **39.3** | %REC | 1 | 04/29/2026 11:32 | 255726 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-005 **Client Sample ID:** G113

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 10:17

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 8011, DBCP & EDB BY GC/ECD** | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 16:18 | 255587 |
| 1,2-Dibromoethane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 16:18 | 255587 |
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,1,1-Trichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,1,2,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,1,2-Trichloroethane | NELAP | 0.50 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,1-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,1-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,2,3-Trichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,2,3-Trichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,2,4-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,2-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,2-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,3,5-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,3-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,3-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,4-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 2,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 2-Butanone | NELAP | 5.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 2-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 2-Hexanone | NELAP | 10.0 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 4-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 4-Methyl-2-pentanone | NELAP | 5.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Acetone | NELAP | 5.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Acrolein | NELAP | 5.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Acrylonitrile | NELAP | 5.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Benzene | NELAP | 0.50 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Bromobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Bromochloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Bromodichloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Bromoform | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Bromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Carbon disulfide | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Carbon tetrachloride | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Chlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Chloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Chloroform | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Chloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| cis-1,2-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| cis-1,3-Dichloropropene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Dibromochloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Dibromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Dichlorodifluoromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Ethylbenzene | NELAP | 1.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Hexachlorobutadiene | NELAP | 2.00 | | ND | µg/L | 1 | 04/28/2026 13:31 | 255771 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-005 **Client Sample ID:** G113

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 10:17

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Iodomethane | NELAP | 3.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Isopropylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| m,p-Xylenes | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Methylene chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Naphthalene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| n-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| n-Propylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| o-Xylene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| p-Isopropyltoluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| sec-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Styrene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| tert-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Tetrachloroethene | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Tetrahydrofuran | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Toluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| trans-1,2-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| trans-1,3-Dichloropropene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| trans-1,4-Dichloro-2-butene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Trichloroethene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Trichlorofluoromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Vinyl acetate | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Vinyl chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Xylenes, Total | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| 1,3-Dichloropropene, Total | * | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 13:31 | 255771 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | S | **121.1** | %REC | 1 | 04/28/2026 13:31 | 255771 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | **110.5** | %REC | 1 | 04/28/2026 13:31 | 255771 |
| Surr: Dibromofluoromethane | * | 80-120 | | **102.9** | %REC | 1 | 04/28/2026 13:31 | 255771 |
| Surr: Toluene-d8 | * | 80-120 | | **105.8** | %REC | 1 | 04/28/2026 13:31 | 255771 |

*Surrogate recovery is outside control limits due to matrix interference.*

*Allowable Marginal Exceedance of 1,1,2,2-Tetrachloroethane and trans-1,4-Dichloro-2-butene in the laboratory control sample is verified per the TNI Standard.*

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-006 **Client Sample ID:** G120

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 10:23

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **502.73** | ft | 1 | 04/22/2026 10:23 | R383246 |
| Depth to water | * | -5.00 | | **16.43** | ft | 1 | 04/22/2026 10:23 | R383246 |
| Depth to water from measuring point | * | 0 | | **16.43** | ft | 1 | 04/22/2026 10:23 | R383246 |
| Elevation of groundwater surface | * | 0 | | **536.67** | ft | 1 | 04/22/2026 10:23 | R383246 |
| Measuring Point Elevation | * | 0 | | **553.10** | ft | 1 | 04/22/2026 10:23 | R383246 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **64.8** | °F | 1 | 04/22/2026 10:23 | R383246 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.69** | | 1 | 04/22/2026 10:23 | R383246 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1780** | µmhos/cm @25C | 1 | 04/22/2026 10:23 | R383246 |
| **EPA 1664B** | | | | | | | | |
| Hexane Extractable Material | NELAP | 6 | | **< 6** | mg/L | 1 | 04/28/2026 16:34 | R383034 |
| **EPA 600 350.1 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **3.82** | mg/L | 1 | 04/23/2026 14:54 | R382764 |
| **EPA 600 350.1 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **3.84** | mg/L | 1 | 04/23/2026 14:51 | R382764 |
| **EPA 600 353.2 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 17:40 | R382815 |
| **EPA 600 353.2 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 19:10 | R382815 |
| **STANDARD METHODS 2540 C (DISSOLVED) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1590** | mg/L | 1 | 04/24/2026 14:29 | R383030 |
| **STANDARD METHODS 5210 B 2016** | | | | | | | | |
| Biochemical Oxygen Demand | NELAP | 10 | | **< 10** | mg/L | 1 | 04/23/2026 16:42 | 255472 |
| **STANDARD METHODS 5220 D (TOTAL) 2011** | | | | | | | | |
| Chemical Oxygen Demand | NELAP | 50 | | **< 50** | mg/L | 1 | 04/29/2026 22:39 | R383133 |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.005 | | **< 0.005** | mg/L | 1 | 04/24/2026 17:08 | 255527 |
| **SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Chloride | NELAP | 5.00 | | **36.2** | mg/L | 10 | 04/26/2026 9:00 | R382935 |
| Sulfate | NELAP | 10.0 | | **565** | mg/L | 10 | 04/26/2026 9:00 | R382935 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 04/26/2026 8:47 | R382935 |
| Chloride | NELAP | 5.00 | | **36.1** | mg/L | 10 | 04/26/2026 8:47 | R382935 |
| Sulfate | NELAP | 10.0 | | **562** | mg/L | 10 | 04/26/2026 8:47 | R382935 |
| **SW-846 9060A** | | | | | | | | |
| Total Organic Carbon (TOC) | NELAP | 1.0 | | **4.6** | mg/L | 1 | 04/22/2026 21:54 | R382728 |
| **SW-846 9066 (TOTAL)** | | | | | | | | |
| Phenols | NELAP | 5 | | **< 5** | µg/L | 1 | 04/27/2026 14:03 | R382981 |
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Boron | NELAP | 20.0 | | **7460** | µg/L | 1 | 04/24/2026 20:47 | 255439 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 04/24/2026 20:47 | 255439 |
| Chromium | NELAP | 4.0 | | **< 4.0** | µg/L | 1 | 04/24/2026 20:47 | 255439 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-006 **Client Sample ID:** G120

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 10:23

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Magnesium | NELAP | 0.050 | | **103** | mg/L | 1 | 04/24/2026 20:47 | 255439 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 04/24/2026 20:47 | 255439 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Aluminum | NELAP | 25.0 | | **< 25.0** | µg/L | 1 | 05/01/2026 10:55 | 255445 |
| Barium | NELAP | 2.5 | | **540** | µg/L | 1 | 05/01/2026 10:55 | 255445 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 05/01/2026 10:55 | 255445 |
| Boron | NELAP | 20.0 | | **7670** | µg/L | 1 | 05/01/2026 10:55 | 255445 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 05/01/2026 10:55 | 255445 |
| Calcium | NELAP | 0.100 | | **251** | mg/L | 1 | 04/27/2026 19:51 | 255445 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:55 | 255445 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:55 | 255445 |
| Copper | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:55 | 255445 |
| Iron | NELAP | 40.0 | | **31800** | µg/L | 1 | 05/01/2026 10:55 | 255445 |
| Magnesium | NELAP | 0.050 | | **106** | mg/L | 1 | 05/01/2026 10:55 | 255445 |
| Manganese | NELAP | 7.0 | | **400** | µg/L | 1 | 05/01/2026 10:55 | 255445 |
| Nickel | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:55 | 255445 |
| Potassium | NELAP | 0.100 | | **1.99** | mg/L | 1 | 04/27/2026 19:51 | 255445 |
| Selenium | NELAP | 40.0 | | **< 40.0** | µg/L | 1 | 05/01/2026 10:55 | 255445 |
| Silver | NELAP | 7.0 | | **< 7.0** | µg/L | 1 | 05/01/2026 10:55 | 255445 |
| Sodium | NELAP | 0.050 | B | **42.4** | mg/L | 1 | 04/27/2026 19:51 | 255445 |
| Vanadium | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 05/01/2026 10:55 | 255445 |
| Zinc | NELAP | 10.0 | B | **< 10.0** | µg/L | 1 | 05/01/2026 10:55 | 255445 |
| *Contamination present in the MBLK for Zn. Sample results below the reporting limit are reportable per the TNI Standard.* | | | | | | | | |
| *Sample result(s) for Na exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)** | | | | | | | | |
| Arsenic | NELAP | 1.0 | | **9.7** | µg/L | 5 | 05/23/2026 10:38 | 257064 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 21:14 | 255439 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 14:19 | 255445 |
| Arsenic | NELAP | 1.0 | | **10.5** | µg/L | 5 | 05/05/2026 14:19 | 255445 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/08/2026 21:42 | 255445 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 05/05/2026 14:19 | 255445 |
| **SW-846 7470A (DISSOLVED)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 16:43 | 255444 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 16:41 | 255444 |
| **EPA 600 548.1, ENDOTHALL BY GC/MS** | | | | | | | | |
| Endothall | * | 10 | | **ND** | µg/L | 1 | 04/26/2026 19:09 | 255565 |
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| 4,4´-DDT | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/27/2026 13:27 | 255608 |
| Alachlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/27/2026 13:27 | 255608 |
| Aldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/27/2026 13:27 | 255608 |
| Dieldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/27/2026 13:27 | 255608 |
| Endrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/27/2026 13:27 | 255608 |
| gamma-BHC | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/27/2026 13:27 | 255608 |
| Heptachlor | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/27/2026 13:27 | 255608 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-006 **Client Sample ID:** G120

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 10:23

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| Heptachlor epoxide | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/27/2026 13:27 | 255608 |
| Methoxychlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/27/2026 13:27 | 255608 |
| Toxaphene | NELAP | 1.02 | | **ND** | µg/L | 1 | 04/27/2026 13:27 | 255608 |
| Chlordane | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/27/2026 13:27 | 255608 |
| Surr: Decachlorobiphenyl | * | 19.9-155 | | **45.5** | %REC | 1 | 04/27/2026 13:27 | 255608 |
| Surr: Tetrachloro-m-xylene | * | 36.1-128 | | **57.0** | %REC | 1 | 04/27/2026 13:27 | 255608 |
| *Elevated reporting limits due to limited sample.* | | | | | | | | |
| **SW-846 3510C, 8082A, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD** | | | | | | | | |
| Polychlorinated Biphenyls (Total) | NELAP | 0.500 | | **ND** | µg/L | 1 | 04/27/2026 13:45 | 255608 |
| Surr: Decachlorobiphenyl | * | 5-174 | | **40.3** | %REC | 1 | 04/27/2026 13:45 | 255608 |
| Surr: Tetrachloro-meta-xylene | * | 22.2-139 | | **68.8** | %REC | 1 | 04/27/2026 13:45 | 255608 |
| **SW-846 3510C, 8151A, CHLORINATED HERBICIDES BY GC/ECD** | | | | | | | | |
| 2,4,5-TP (Silvex) | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/27/2026 23:53 | 255414 |
| 2,4-D | NELAP | 0.60 | | **ND** | µg/L | 1 | 04/27/2026 23:53 | 255414 |
| Dalapon | NELAP | 2.60 | | **ND** | µg/L | 1 | 04/27/2026 23:53 | 255414 |
| Dinoseb | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/27/2026 23:53 | 255414 |
| Pentachlorophenol | NELAP | 0.20 | | **ND** | µg/L | 1 | 04/27/2026 23:53 | 255414 |
| Picloram | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/27/2026 23:53 | 255414 |
| Surr: 2,4-Dichlorophenylacetic acid | * | 1-189 | | **76.0** | %REC | 1 | 04/27/2026 23:53 | 255414 |
| *Elevated reporting limit due to sample composition.* | | | | | | | | |
| **SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Aldicarb | * | 1.00 | | **ND** | µg/L | 1 | 04/27/2026 19:55 | 255504 |
| Atrazine | * | 0.08 | | **ND** | µg/L | 1 | 04/27/2026 19:55 | 255504 |
| Benzo(a)pyrene | * | 0.20 | | **ND** | µg/L | 1 | 04/27/2026 19:55 | 255504 |
| Carbofuran | * | 0.60 | | **ND** | µg/L | 1 | 04/27/2026 19:55 | 255504 |
| Simazine | * | 0.55 | | **ND** | µg/L | 1 | 04/27/2026 19:55 | 255504 |
| Surr: 2-Fluorobiphenyl | * | 39.3-126 | | **69.1** | %REC | 1 | 04/27/2026 19:55 | 255504 |
| Surr: 2-Fluorophenol | * | 1-135 | | **48.5** | %REC | 1 | 04/27/2026 19:55 | 255504 |
| Surr: Nitrobenzene-d5 | * | 45-133 | | **72.9** | %REC | 1 | 04/27/2026 19:55 | 255504 |
| Surr: Phenol-d5 | * | 1-73.7 | | **33.4** | %REC | 1 | 04/27/2026 19:55 | 255504 |
| Surr: p-Terphenyl-d14 | * | 46.2-128 | | **77.3** | %REC | 1 | 04/27/2026 19:55 | 255504 |
| **SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (TOTAL)** | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | NELAP | 6.0 | | **ND** | µg/L | 1 | 04/29/2026 12:04 | 255726 |
| Bis(chloromethyl)ether | * | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 12:04 | 255726 |
| Butyl benzyl phthalate | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 12:04 | 255726 |
| Diethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 12:04 | 255726 |
| Dimethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 12:04 | 255726 |
| Di-n-butyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 12:04 | 255726 |
| Isophorone | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 12:04 | 255726 |
| m,p-Cresol | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 12:04 | 255726 |
| Parathion | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 12:04 | 255726 |
| Surr: 2,4,6-Tribromophenol | * | 29-129 | | **57.2** | %REC | 1 | 04/29/2026 12:04 | 255726 |
| Surr: 2-Fluorobiphenyl | * | 30.1-112 | | **43.3** | %REC | 1 | 04/29/2026 12:04 | 255726 |
| Surr: 2-Fluorophenol | * | 18.7-95.3 | | **36.0** | %REC | 1 | 04/29/2026 12:04 | 255726 |
| Surr: Nitrobenzene-d5 | * | 23.6-113 | | **39.9** | %REC | 1 | 04/29/2026 12:04 | 255726 |
| Surr: Phenol-d5 | * | 15.9-72.2 | | **29.1** | %REC | 1 | 04/29/2026 12:04 | 255726 |
| Surr: p-Terphenyl-d14 | * | 17.9-114 | | **48.4** | %REC | 1 | 04/29/2026 12:04 | 255726 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-006 **Client Sample ID:** G120

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 10:23

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 8011, DBCP & EDB BY GC/ECD** | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 9:24 | 255511 |
| 1,2-Dibromoethane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 9:24 | 255511 |
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,1,1-Trichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,1,2,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,1,2-Trichloroethane | NELAP | 0.50 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,1-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,1-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,2,3-Trichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,2,3-Trichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,2,4-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,2-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,2-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,3,5-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,3-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,3-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,4-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 2,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 2-Butanone | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 2-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 2-Hexanone | NELAP | 10.0 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 4-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 4-Methyl-2-pentanone | NELAP | 5.00 | B | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Acetone | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Acrolein | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Acrylonitrile | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Benzene | NELAP | 0.50 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Bromobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Bromochloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Bromodichloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Bromoform | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Bromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Carbon disulfide | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Carbon tetrachloride | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Chlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Chloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Chloroform | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Chloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| cis-1,2-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| cis-1,3-Dichloropropene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Dibromochloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Dibromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Dichlorodifluoromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Ethylbenzene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Hexachlorobutadiene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:28 | 255667 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-006 **Client Sample ID:** G120

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 10:23

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Iodomethane | NELAP | 3.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Isopropylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| m,p-Xylenes | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Methylene chloride | NELAP | 2.00 | B | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Naphthalene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| n-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| n-Propylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| o-Xylene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| p-Isopropyltoluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| sec-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Styrene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| tert-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Tetrachloroethene | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Tetrahydrofuran | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Toluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| trans-1,2-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| trans-1,3-Dichloropropene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| trans-1,4-Dichloro-2-butene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Trichloroethene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Trichlorofluoromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Vinyl acetate | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Vinyl chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Xylenes, Total | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| 1,3-Dichloropropene, Total | * | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:28 | 255667 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | | **107.7** | %REC | 1 | 04/24/2026 12:28 | 255667 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | **96.8** | %REC | 1 | 04/24/2026 12:28 | 255667 |
| Surr: Dibromofluoromethane | * | 80-120 | | **97.0** | %REC | 1 | 04/24/2026 12:28 | 255667 |
| Surr: Toluene-d8 | * | 80-120 | | **104.2** | %REC | 1 | 04/24/2026 12:28 | 255667 |

*Contamination present in the MBLK for multiple analytes. Sample results below the reporting limit are reportable per the TNI Standard.*

*Allowable Marginal Exceedance of Toluene in the laboratory control sample is verified per the TNI Standard.*

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-007 **Client Sample ID:** G121

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:25

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **497.04** | ft | 1 | 04/22/2026 11:25 | R383246 |
| Depth to water | * | -5.00 | | **26.46** | ft | 1 | 04/22/2026 11:25 | R383246 |
| Depth to water from measuring point | * | 0 | | **28.33** | ft | 1 | 04/22/2026 11:25 | R383246 |
| Elevation of groundwater surface | * | 0 | | **527.27** | ft | 1 | 04/22/2026 11:25 | R383246 |
| Measuring Point Elevation | * | 0 | | **555.60** | ft | 1 | 04/22/2026 11:25 | R383246 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **61.6** | °F | 1 | 04/22/2026 11:25 | R383246 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.82** | | 1 | 04/22/2026 11:25 | R383246 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1400** | µmhos/cm @25C | 1 | 04/22/2026 11:25 | R383246 |
| **EPA 1664B** | | | | | | | | |
| Hexane Extractable Material | NELAP | 6 | | **< 6** | mg/L | 1 | 04/28/2026 16:34 | R383034 |
| **EPA 600 350.1 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 1.00 | | **8.59** | mg/L | 10 | 04/23/2026 15:01 | R382764 |
| **EPA 600 350.1 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 1.00 | | **7.75** | mg/L | 10 | 04/23/2026 21:35 | R382764 |
| **EPA 600 353.2 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 17:41 | R382815 |
| **EPA 600 353.2 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 19:11 | R382815 |
| **STANDARD METHODS 2540 C (DISSOLVED) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1090** | mg/L | 1 | 04/24/2026 14:29 | R383030 |
| **STANDARD METHODS 5210 B 2016** | | | | | | | | |
| Biochemical Oxygen Demand | NELAP | 10 | | **< 10** | mg/L | 1 | 04/23/2026 16:47 | 255472 |
| **STANDARD METHODS 5220 D (TOTAL) 2011** | | | | | | | | |
| Chemical Oxygen Demand | NELAP | 50 | | **< 50** | mg/L | 1 | 04/29/2026 22:39 | R383133 |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.005 | | **< 0.005** | mg/L | 1 | 04/24/2026 17:25 | 255527 |
| **SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Chloride | NELAP | 5.00 | | **28.0** | mg/L | 10 | 04/26/2026 9:25 | R382935 |
| Sulfate | NELAP | 10.0 | | **311** | mg/L | 10 | 04/26/2026 9:25 | R382935 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 04/26/2026 9:12 | R382935 |
| Chloride | NELAP | 5.00 | | **27.9** | mg/L | 10 | 04/26/2026 9:12 | R382935 |
| Sulfate | NELAP | 10.0 | | **309** | mg/L | 10 | 04/26/2026 9:12 | R382935 |
| **SW-846 9060A** | | | | | | | | |
| Total Organic Carbon (TOC) | NELAP | 1.0 | | **5.8** | mg/L | 1 | 04/22/2026 22:06 | R382728 |
| **SW-846 9066 (TOTAL)** | | | | | | | | |
| Phenols | NELAP | 5 | | **< 5** | µg/L | 1 | 04/27/2026 13:59 | R382981 |
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Boron | NELAP | 20.0 | | **3730** | µg/L | 1 | 04/24/2026 20:49 | 255439 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 04/24/2026 20:49 | 255439 |
| Chromium | NELAP | 4.0 | | **< 4.0** | µg/L | 1 | 04/24/2026 20:49 | 255439 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-007 **Client Sample ID:** G121

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:25

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Magnesium | NELAP | 0.050 | | **79.4** | mg/L | 1 | 04/24/2026 20:49 | 255439 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 04/24/2026 20:49 | 255439 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Aluminum | NELAP | 25.0 | | **< 25.0** | µg/L | 1 | 05/01/2026 10:56 | 255445 |
| Barium | NELAP | 2.5 | | **457** | µg/L | 1 | 05/01/2026 10:56 | 255445 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 05/01/2026 10:56 | 255445 |
| Boron | NELAP | 20.0 | | **3800** | µg/L | 1 | 05/01/2026 10:56 | 255445 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 05/01/2026 10:56 | 255445 |
| Calcium | NELAP | 0.100 | | **182** | mg/L | 1 | 04/27/2026 19:53 | 255445 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:56 | 255445 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:56 | 255445 |
| Copper | NELAP | 5.0 | | **18.1** | µg/L | 1 | 05/01/2026 10:56 | 255445 |
| Iron | NELAP | 40.0 | | **20900** | µg/L | 1 | 05/01/2026 10:56 | 255445 |
| Magnesium | NELAP | 0.050 | | **81.8** | mg/L | 1 | 05/01/2026 10:56 | 255445 |
| Manganese | NELAP | 7.0 | | **209** | µg/L | 1 | 05/01/2026 10:56 | 255445 |
| Nickel | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:56 | 255445 |
| Potassium | NELAP | 0.100 | | **3.26** | mg/L | 1 | 04/27/2026 19:53 | 255445 |
| Selenium | NELAP | 40.0 | | **< 40.0** | µg/L | 1 | 05/01/2026 10:56 | 255445 |
| Silver | NELAP | 7.0 | | **< 7.0** | µg/L | 1 | 05/01/2026 10:56 | 255445 |
| Sodium | NELAP | 0.050 | B | **44.6** | mg/L | 1 | 04/27/2026 19:53 | 255445 |
| Vanadium | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 05/01/2026 10:56 | 255445 |
| Zinc | NELAP | 10.0 | B | **< 10.0** | µg/L | 1 | 05/01/2026 10:56 | 255445 |
| *Contamination present in the MBLK for Zn. Sample results below the reporting limit are reportable per the TNI Standard.* | | | | | | | | |
| *Sample result(s) for Na exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)** | | | | | | | | |
| Arsenic | NELAP | 1.0 | | **11.1** | µg/L | 5 | 05/09/2026 3:29 | 255439 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 21:18 | 255439 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 14:22 | 255445 |
| Arsenic | NELAP | 1.0 | | **11.4** | µg/L | 5 | 05/05/2026 14:22 | 255445 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/08/2026 21:46 | 255445 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 05/05/2026 14:22 | 255445 |
| **SW-846 7470A (DISSOLVED)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 16:47 | 255444 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 16:45 | 255444 |
| **EPA 600 548.1, ENDOTHALL BY GC/MS** | | | | | | | | |
| Endothall | * | 10 | | **ND** | µg/L | 1 | 04/26/2026 19:24 | 255565 |
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| 4,4´-DDT | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/28/2026 11:49 | 255656 |
| Alachlor | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/28/2026 11:49 | 255656 |
| Aldrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 11:49 | 255656 |
| Dieldrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 11:49 | 255656 |
| Endrin | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/28/2026 11:49 | 255656 |
| gamma-BHC | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 11:49 | 255656 |
| Heptachlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 11:49 | 255656 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-007 **Client Sample ID:** G121

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:25

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| Heptachlor epoxide | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/28/2026 11:49 | 255656 |
| Methoxychlor | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/28/2026 11:49 | 255656 |
| Toxaphene | NELAP | 1.16 | | **ND** | µg/L | 1 | 04/28/2026 11:49 | 255656 |
| Chlordane | NELAP | 0.06 | | **ND** | µg/L | 1 | 04/28/2026 11:49 | 255656 |
| Surr: Decachlorobiphenyl | * | 19.9-155 | | **60.1** | %REC | 1 | 04/28/2026 11:49 | 255656 |
| Surr: Tetrachloro-m-xylene | * | 36.1-128 | | **71.6** | %REC | 1 | 04/28/2026 11:49 | 255656 |
| *Elevated reporting limits due to limited sample.* | | | | | | | | |
| **SW-846 3510C, 8082A, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD** | | | | | | | | |
| Polychlorinated Biphenyls (Total) | NELAP | 0.500 | | **ND** | µg/L | 1 | 04/28/2026 11:33 | 255656 |
| Surr: Decachlorobiphenyl | * | 5-174 | | **59.5** | %REC | 1 | 04/28/2026 11:33 | 255656 |
| Surr: Tetrachloro-meta-xylene | * | 22.2-139 | | **86.2** | %REC | 1 | 04/28/2026 11:33 | 255656 |
| **SW-846 3510C, 8151A, CHLORINATED HERBICIDES BY GC/ECD** | | | | | | | | |
| 2,4,5-TP (Silvex) | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/28/2026 0:17 | 255414 |
| 2,4-D | NELAP | 0.60 | | **ND** | µg/L | 1 | 04/28/2026 0:17 | 255414 |
| Dalapon | NELAP | 2.60 | | **ND** | µg/L | 1 | 04/28/2026 0:17 | 255414 |
| Dinoseb | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/28/2026 0:17 | 255414 |
| Pentachlorophenol | NELAP | 0.20 | | **ND** | µg/L | 1 | 04/28/2026 0:17 | 255414 |
| Picloram | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 0:17 | 255414 |
| Surr: 2,4-Dichlorophenylacetic acid | * | 1-189 | | **75.5** | %REC | 1 | 04/28/2026 0:17 | 255414 |
| *Elevated reporting limit due to sample composition.* | | | | | | | | |
| **SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Aldicarb | * | 1.00 | | **ND** | µg/L | 1 | 04/27/2026 20:28 | 255504 |
| Atrazine | * | 0.08 | | **ND** | µg/L | 1 | 04/27/2026 20:28 | 255504 |
| Benzo(a)pyrene | * | 0.20 | | **ND** | µg/L | 1 | 04/27/2026 20:28 | 255504 |
| Carbofuran | * | 0.60 | | **ND** | µg/L | 1 | 04/27/2026 20:28 | 255504 |
| Simazine | * | 0.55 | | **ND** | µg/L | 1 | 04/27/2026 20:28 | 255504 |
| Surr: 2-Fluorobiphenyl | * | 39.3-126 | | **62.9** | %REC | 1 | 04/27/2026 20:28 | 255504 |
| Surr: 2-Fluorophenol | * | 1-135 | | **45.6** | %REC | 1 | 04/27/2026 20:28 | 255504 |
| Surr: Nitrobenzene-d5 | * | 45-133 | | **67.5** | %REC | 1 | 04/27/2026 20:28 | 255504 |
| Surr: Phenol-d5 | * | 1-73.7 | | **30.6** | %REC | 1 | 04/27/2026 20:28 | 255504 |
| Surr: p-Terphenyl-d14 | * | 46.2-128 | | **69.9** | %REC | 1 | 04/27/2026 20:28 | 255504 |
| **SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (TOTAL)** | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | NELAP | 6.0 | | **ND** | µg/L | 1 | 04/29/2026 12:36 | 255726 |
| Bis(chloromethyl)ether | * | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 12:36 | 255726 |
| Butyl benzyl phthalate | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 12:36 | 255726 |
| Diethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 12:36 | 255726 |
| Dimethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 12:36 | 255726 |
| Di-n-butyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 12:36 | 255726 |
| Isophorone | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 12:36 | 255726 |
| m,p-Cresol | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 12:36 | 255726 |
| Parathion | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 12:36 | 255726 |
| Surr: 2,4,6-Tribromophenol | * | 29-129 | | **53.3** | %REC | 1 | 04/29/2026 12:36 | 255726 |
| Surr: 2-Fluorobiphenyl | * | 30.1-112 | | **42.8** | %REC | 1 | 04/29/2026 12:36 | 255726 |
| Surr: 2-Fluorophenol | * | 18.7-95.3 | | **36.7** | %REC | 1 | 04/29/2026 12:36 | 255726 |
| Surr: Nitrobenzene-d5 | * | 23.6-113 | | **40.8** | %REC | 1 | 04/29/2026 12:36 | 255726 |
| Surr: Phenol-d5 | * | 15.9-72.2 | | **28.7** | %REC | 1 | 04/29/2026 12:36 | 255726 |
| Surr: p-Terphenyl-d14 | * | 17.9-114 | | **43.1** | %REC | 1 | 04/29/2026 12:36 | 255726 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-007 **Client Sample ID:** G121

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:25

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 8011, DBCP & EDB BY GC/ECD** | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 9:35 | 255511 |
| 1,2-Dibromoethane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 9:35 | 255511 |
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,1,1-Trichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,1,2,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,1,2-Trichloroethane | NELAP | 0.50 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,1-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,1-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,2,3-Trichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,2,3-Trichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,2,4-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,2-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,2-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,3,5-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,3-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,3-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,4-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 2,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 2-Butanone | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 2-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 2-Hexanone | NELAP | 10.0 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 4-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 4-Methyl-2-pentanone | NELAP | 5.00 | B | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Acetone | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Acrolein | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Acrylonitrile | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Benzene | NELAP | 0.50 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Bromobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Bromochloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Bromodichloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Bromoform | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Bromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Carbon disulfide | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Carbon tetrachloride | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Chlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Chloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Chloroform | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Chloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| cis-1,2-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| cis-1,3-Dichloropropene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Dibromochloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Dibromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Dichlorodifluoromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Ethylbenzene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Hexachlorobutadiene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 12:54 | 255667 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-007 **Client Sample ID:** G121

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:25

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Iodomethane | NELAP | 3.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Isopropylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| m,p-Xylenes | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Methylene chloride | NELAP | 2.00 | B | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Naphthalene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| n-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| n-Propylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| o-Xylene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| p-Isopropyltoluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| sec-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Styrene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| tert-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Tetrachloroethene | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Tetrahydrofuran | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Toluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| trans-1,2-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| trans-1,3-Dichloropropene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| trans-1,4-Dichloro-2-butene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Trichloroethene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Trichlorofluoromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Vinyl acetate | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Vinyl chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Xylenes, Total | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| 1,3-Dichloropropene, Total | * | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 12:54 | 255667 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | | **114.7** | %REC | 1 | 04/24/2026 12:54 | 255667 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | **93.9** | %REC | 1 | 04/24/2026 12:54 | 255667 |
| Surr: Dibromofluoromethane | * | 80-120 | | **101.4** | %REC | 1 | 04/24/2026 12:54 | 255667 |
| Surr: Toluene-d8 | * | 80-120 | | **91.5** | %REC | 1 | 04/24/2026 12:54 | 255667 |

*Contamination present in the MBLK for multiple analytes. Sample results below the reporting limit are reportable per the TNI Standard.*

*Allowable Marginal Exceedance of Toluene in the laboratory control sample is verified per the TNI Standard.*

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-008 **Client Sample ID:** G122

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 12:21

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **505.11** | ft | 1 | 04/22/2026 12:21 | R383246 |
| Depth to water | * | -5.00 | | **28.21** | ft | 1 | 04/22/2026 12:21 | R383246 |
| Depth to water from measuring point | * | 0 | | **29.95** | ft | 1 | 04/22/2026 12:21 | R383246 |
| Elevation of groundwater surface | * | 0 | | **524.45** | ft | 1 | 04/22/2026 12:21 | R383246 |
| Measuring Point Elevation | * | 0 | | **554.40** | ft | 1 | 04/22/2026 12:21 | R383246 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **66.9** | °F | 1 | 04/22/2026 12:21 | R383246 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.85** | | 1 | 04/22/2026 12:21 | R383246 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1580** | µmhos/cm @25C | 1 | 04/22/2026 12:21 | R383246 |
| **EPA 1664B** | | | | | | | | |
| Hexane Extractable Material | NELAP | 6 | | **< 6** | mg/L | 1 | 04/28/2026 16:35 | R383034 |
| **EPA 600 350.1 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **3.06** | mg/L | 1 | 04/23/2026 15:09 | R382764 |
| **EPA 600 350.1 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **1.84** | mg/L | 1 | 04/23/2026 15:06 | R382764 |
| **EPA 600 353.2 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 17:42 | R382815 |
| **EPA 600 353.2 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 19:12 | R382815 |
| **STANDARD METHODS 2540 C (DISSOLVED) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1450** | mg/L | 1 | 04/24/2026 14:29 | R383030 |
| **STANDARD METHODS 5210 B 2016** | | | | | | | | |
| Biochemical Oxygen Demand | NELAP | 10 | | **< 10** | mg/L | 1 | 04/23/2026 16:49 | 255472 |
| **STANDARD METHODS 5220 D (TOTAL) 2011** | | | | | | | | |
| Chemical Oxygen Demand | NELAP | 50 | | **< 50** | mg/L | 1 | 04/29/2026 22:39 | R383133 |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.005 | | **< 0.005** | mg/L | 1 | 04/24/2026 17:30 | 255527 |
| **SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Chloride | NELAP | 5.00 | | **36.2** | mg/L | 10 | 04/26/2026 9:50 | R382935 |
| Sulfate | NELAP | 10.0 | | **513** | mg/L | 10 | 04/26/2026 9:50 | R382935 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 04/26/2026 9:38 | R382935 |
| Chloride | NELAP | 5.00 | | **37.7** | mg/L | 10 | 04/26/2026 9:38 | R382935 |
| Sulfate | NELAP | 10.0 | | **537** | mg/L | 10 | 04/26/2026 9:38 | R382935 |
| **SW-846 9060A** | | | | | | | | |
| Total Organic Carbon (TOC) | NELAP | 1.0 | | **4.4** | mg/L | 1 | 04/22/2026 22:12 | R382728 |
| **SW-846 9066 (TOTAL)** | | | | | | | | |
| Phenols | NELAP | 5 | | **< 5** | µg/L | 1 | 04/27/2026 14:29 | R382981 |
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Boron | NELAP | 20.0 | | **10500** | µg/L | 1 | 04/24/2026 20:58 | 255439 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 04/24/2026 20:58 | 255439 |
| Chromium | NELAP | 4.0 | | **< 4.0** | µg/L | 1 | 04/24/2026 20:58 | 255439 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-008 **Client Sample ID:** G122

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 12:21

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Magnesium | NELAP | 0.050 | | **91.4** | mg/L | 1 | 04/24/2026 20:58 | 255439 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 04/24/2026 20:58 | 255439 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Aluminum | NELAP | 25.0 | | **< 25.0** | µg/L | 1 | 05/01/2026 10:58 | 255445 |
| Barium | NELAP | 2.5 | | **267** | µg/L | 1 | 05/01/2026 10:58 | 255445 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 05/01/2026 10:58 | 255445 |
| Boron | NELAP | 20.0 | | **11200** | µg/L | 1 | 05/01/2026 10:58 | 255445 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 05/01/2026 10:58 | 255445 |
| Calcium | NELAP | 0.100 | | **239** | mg/L | 1 | 04/27/2026 19:54 | 255445 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:58 | 255445 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:58 | 255445 |
| Copper | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:58 | 255445 |
| Iron | NELAP | 40.0 | | **23000** | µg/L | 1 | 05/01/2026 10:58 | 255445 |
| Magnesium | NELAP | 0.050 | | **94.1** | mg/L | 1 | 05/01/2026 10:58 | 255445 |
| Manganese | NELAP | 7.0 | | **1130** | µg/L | 1 | 05/01/2026 10:58 | 255445 |
| Nickel | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 10:58 | 255445 |
| Potassium | NELAP | 0.100 | | **2.65** | mg/L | 1 | 04/27/2026 19:54 | 255445 |
| Selenium | NELAP | 40.0 | | **< 40.0** | µg/L | 1 | 05/01/2026 10:58 | 255445 |
| Silver | NELAP | 7.0 | | **< 7.0** | µg/L | 1 | 05/01/2026 10:58 | 255445 |
| Sodium | NELAP | 0.050 | B | **41.3** | mg/L | 1 | 04/27/2026 19:54 | 255445 |
| Vanadium | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 05/01/2026 10:58 | 255445 |
| Zinc | NELAP | 10.0 | B | **< 10.0** | µg/L | 1 | 05/01/2026 10:58 | 255445 |
| *Contamination present in the MBLK for Zn. Sample results below the reporting limit are reportable per the TNI Standard.* | | | | | | | | |
| *Sample result(s) for Na exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)** | | | | | | | | |
| Arsenic | NELAP | 1.0 | | **1.6** | µg/L | 5 | 05/15/2026 10:55 | 255439 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 21:23 | 255439 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 14:24 | 255445 |
| Arsenic | NELAP | 1.0 | | **1.6** | µg/L | 5 | 05/05/2026 14:24 | 255445 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/08/2026 21:50 | 255445 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 05/05/2026 14:24 | 255445 |
| **SW-846 7470A (DISSOLVED)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 16:51 | 255444 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 16:49 | 255444 |
| **EPA 600 548.1, ENDOTHALL BY GC/MS** | | | | | | | | |
| Endothall | * | 10 | | **ND** | µg/L | 1 | 04/26/2026 19:39 | 255565 |
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| 4,4´-DDT | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 12:02 | 255656 |
| Alachlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 12:02 | 255656 |
| Aldrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 12:02 | 255656 |
| Dieldrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 12:02 | 255656 |
| Endrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 12:02 | 255656 |
| gamma-BHC | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 12:02 | 255656 |
| Heptachlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 12:02 | 255656 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-008 **Client Sample ID:** G122

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 12:21

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| Heptachlor epoxide | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 12:02 | 255656 |
| Methoxychlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 12:02 | 255656 |
| Toxaphene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 12:02 | 255656 |
| Chlordane | NELAP | 0.10 | | **ND** | µg/L | 1 | 04/28/2026 12:02 | 255656 |
| Surr: Decachlorobiphenyl | * | 19.9-155 | | **54.7** | %REC | 1 | 04/28/2026 12:02 | 255656 |
| Surr: Tetrachloro-m-xylene | * | 36.1-128 | | **86.4** | %REC | 1 | 04/28/2026 12:02 | 255656 |
| **SW-846 3510C, 8082A, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD** | | | | | | | | |
| Polychlorinated Biphenyls (Total) | NELAP | 0.500 | | **ND** | µg/L | 1 | 04/28/2026 11:48 | 255656 |
| Surr: Decachlorobiphenyl | * | 5-174 | | **54.5** | %REC | 1 | 04/28/2026 11:48 | 255656 |
| Surr: Tetrachloro-meta-xylene | * | 22.2-139 | | **86.0** | %REC | 1 | 04/28/2026 11:48 | 255656 |
| **SW-846 3510C, 8151A, CHLORINATED HERBICIDES BY GC/ECD** | | | | | | | | |
| 2,4,5-TP (Silvex) | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/28/2026 0:42 | 255414 |
| 2,4-D | NELAP | 0.60 | | **ND** | µg/L | 1 | 04/28/2026 0:42 | 255414 |
| Dalapon | NELAP | 2.60 | | **ND** | µg/L | 1 | 04/28/2026 0:42 | 255414 |
| Dinoseb | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/28/2026 0:42 | 255414 |
| Pentachlorophenol | NELAP | 0.20 | | **ND** | µg/L | 1 | 04/28/2026 0:42 | 255414 |
| Picloram | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 0:42 | 255414 |
| Surr: 2,4-Dichlorophenylacetic acid | * | 1-189 | | **67.6** | %REC | 1 | 04/28/2026 0:42 | 255414 |
| *Elevated reporting limit due to sample composition.* | | | | | | | | |
| **SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Aldicarb | * | 1.00 | | **ND** | µg/L | 1 | 04/27/2026 21:00 | 255504 |
| Atrazine | * | 0.08 | | **ND** | µg/L | 1 | 04/27/2026 21:00 | 255504 |
| Benzo(a)pyrene | * | 0.20 | | **ND** | µg/L | 1 | 04/27/2026 21:00 | 255504 |
| Carbofuran | * | 0.60 | | **ND** | µg/L | 1 | 04/27/2026 21:00 | 255504 |
| Simazine | * | 0.55 | | **ND** | µg/L | 1 | 04/27/2026 21:00 | 255504 |
| Surr: 2-Fluorobiphenyl | * | 39.3-126 | | **65.1** | %REC | 1 | 04/27/2026 21:00 | 255504 |
| Surr: 2-Fluorophenol | * | 1-135 | | **46.0** | %REC | 1 | 04/27/2026 21:00 | 255504 |
| Surr: Nitrobenzene-d5 | * | 45-133 | | **68.3** | %REC | 1 | 04/27/2026 21:00 | 255504 |
| Surr: Phenol-d5 | * | 1-73.7 | | **31.4** | %REC | 1 | 04/27/2026 21:00 | 255504 |
| Surr: p-Terphenyl-d14 | * | 46.2-128 | | **70.0** | %REC | 1 | 04/27/2026 21:00 | 255504 |
| **SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (TOTAL)** | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | NELAP | 6.0 | | **ND** | µg/L | 1 | 04/29/2026 13:08 | 255726 |
| Bis(chloromethyl)ether | * | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 13:08 | 255726 |
| Butyl benzyl phthalate | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 13:08 | 255726 |
| Diethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 13:08 | 255726 |
| Dimethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 13:08 | 255726 |
| Di-n-butyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 13:08 | 255726 |
| Isophorone | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 13:08 | 255726 |
| m,p-Cresol | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 13:08 | 255726 |
| Parathion | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 13:08 | 255726 |
| Surr: 2,4,6-Tribromophenol | * | 29-129 | | **50.7** | %REC | 1 | 04/29/2026 13:08 | 255726 |
| Surr: 2-Fluorobiphenyl | * | 30.1-112 | | **40.2** | %REC | 1 | 04/29/2026 13:08 | 255726 |
| Surr: 2-Fluorophenol | * | 18.7-95.3 | | **33.3** | %REC | 1 | 04/29/2026 13:08 | 255726 |
| Surr: Nitrobenzene-d5 | * | 23.6-113 | | **38.2** | %REC | 1 | 04/29/2026 13:08 | 255726 |
| Surr: Phenol-d5 | * | 15.9-72.2 | | **26.0** | %REC | 1 | 04/29/2026 13:08 | 255726 |
| Surr: p-Terphenyl-d14 | * | 17.9-114 | | **42.4** | %REC | 1 | 04/29/2026 13:08 | 255726 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-008 **Client Sample ID:** G122

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 12:21

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 8011, DBCP & EDB BY GC/ECD** | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 9:46 | 255511 |
| 1,2-Dibromoethane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 9:46 | 255511 |
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,1,1-Trichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,1,2,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,1,2-Trichloroethane | NELAP | 0.50 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,1-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,1-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,2,3-Trichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,2,3-Trichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,2,4-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,2-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,2-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,3,5-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,3-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,3-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,4-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 2,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 2-Butanone | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 2-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 2-Hexanone | NELAP | 10.0 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 4-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 4-Methyl-2-pentanone | NELAP | 5.00 | B | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Acetone | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Acrolein | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Acrylonitrile | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Benzene | NELAP | 0.50 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Bromobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Bromochloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Bromodichloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Bromoform | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Bromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Carbon disulfide | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Carbon tetrachloride | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Chlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Chloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Chloroform | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Chloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| cis-1,2-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| cis-1,3-Dichloropropene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Dibromochloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Dibromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Dichlorodifluoromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Ethylbenzene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Hexachlorobutadiene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 13:20 | 255667 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-008 **Client Sample ID:** G122

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 12:21

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Iodomethane | NELAP | 3.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Isopropylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| m,p-Xylenes | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Methylene chloride | NELAP | 2.00 | B | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Naphthalene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| n-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| n-Propylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| o-Xylene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| p-Isopropyltoluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| sec-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Styrene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| tert-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Tetrachloroethene | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Tetrahydrofuran | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Toluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| trans-1,2-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| trans-1,3-Dichloropropene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| trans-1,4-Dichloro-2-butene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Trichloroethene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Trichlorofluoromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Vinyl acetate | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Vinyl chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Xylenes, Total | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| 1,3-Dichloropropene, Total | * | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 13:20 | 255667 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | | **107.8** | %REC | 1 | 04/24/2026 13:20 | 255667 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | **95.6** | %REC | 1 | 04/24/2026 13:20 | 255667 |
| Surr: Dibromofluoromethane | * | 80-120 | | **96.6** | %REC | 1 | 04/24/2026 13:20 | 255667 |
| Surr: Toluene-d8 | * | 80-120 | | **87.5** | %REC | 1 | 04/24/2026 13:20 | 255667 |

*Contamination present in the MBLK for multiple analytes. Sample results below the reporting limit are reportable per the TNI Standard.*

*Allowable Marginal Exceedance of Toluene in the laboratory control sample is verified per the TNI Standard.*

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-009 **Client Sample ID:** AW-1

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 10:02

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **500.79** | ft | 1 | 04/23/2026 10:02 | R383246 |
| Depth to water | * | -5.00 | | **12.21** | ft | 1 | 04/23/2026 10:02 | R383246 |
| Depth to water from measuring point | * | 0 | | **14.96** | ft | 1 | 04/23/2026 10:02 | R383246 |
| Elevation of groundwater surface | * | 0 | | **540.64** | ft | 1 | 04/23/2026 10:02 | R383246 |
| Measuring Point Elevation | * | 0 | | **555.60** | ft | 1 | 04/23/2026 10:02 | R383246 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **63.6** | °F | 1 | 04/23/2026 10:02 | R383246 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.72** | | 1 | 04/23/2026 10:02 | R383246 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1290** | µmhos/cm @25C | 1 | 04/23/2026 10:02 | R383246 |
| **EPA 1664B** | | | | | | | | |
| Hexane Extractable Material | NELAP | 6 | | **< 6** | mg/L | 1 | 04/28/2026 16:34 | R383034 |
| **EPA 600 350.1 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **1.61** | mg/L | 1 | 04/24/2026 18:28 | R382849 |
| **EPA 600 350.1 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **< 0.10** | mg/L | 1 | 04/24/2026 18:10 | R382849 |
| **EPA 600 353.2 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **0.139** | mg/L | 1 | 04/23/2026 19:31 | R382815 |
| **EPA 600 353.2 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.100 | | **0.926** | mg/L | 2 | 04/24/2026 17:47 | R382876 |
| **STANDARD METHODS 2540 C (DISSOLVED) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1140** | mg/L | 1 | 04/27/2026 10:20 | R383124 |
| *Stable weight could not be achieved after multiple cycles of drying, cooling, and weighing. Final weight is reported.* | | | | | | | | |
| **STANDARD METHODS 5210 B 2016** | | | | | | | | |
| Biochemical Oxygen Demand | NELAP | 10 | | **< 10** | mg/L | 1 | 04/23/2026 21:22 | 255476 |
| **STANDARD METHODS 5220 D (TOTAL) 2011** | | | | | | | | |
| Chemical Oxygen Demand | NELAP | 50 | | **< 50** | mg/L | 1 | 04/29/2026 22:39 | R383133 |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.005 | | **< 0.005** | mg/L | 1 | 04/24/2026 17:56 | 255527 |
| **SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Chloride | NELAP | 5.00 | | **37.1** | mg/L | 10 | 04/26/2026 10:16 | R382935 |
| Sulfate | NELAP | 10.0 | | **395** | mg/L | 10 | 04/26/2026 10:16 | R382935 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 04/26/2026 10:03 | R382935 |
| Chloride | NELAP | 5.00 | | **36.9** | mg/L | 10 | 04/26/2026 10:03 | R382935 |
| Sulfate | NELAP | 10.0 | | **396** | mg/L | 10 | 04/26/2026 10:03 | R382935 |
| **SW-846 9060A** | | | | | | | | |
| Total Organic Carbon (TOC) | NELAP | 1.0 | | **3.2** | mg/L | 1 | 04/28/2026 14:48 | R383084 |
| **SW-846 9066 (TOTAL)** | | | | | | | | |
| Phenols | NELAP | 5 | | **< 5** | µg/L | 1 | 04/28/2026 12:21 | R383018 |
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Boron | NELAP | 20.0 | | **8670** | µg/L | 1 | 04/27/2026 22:45 | 255519 |
| Cadmium | NELAP | 2.0 | B | **< 2.0** | µg/L | 1 | 04/27/2026 22:45 | 255519 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-009 **Client Sample ID:** AW-1

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 10:02

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Chromium | NELAP | 4.0 | | **< 4.0** | µg/L | 1 | 04/27/2026 22:45 | 255519 |
| Magnesium | NELAP | 0.050 | | **83.1** | mg/L | 1 | 04/30/2026 12:30 | 255519 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 04/27/2026 22:45 | 255519 |
| *Contamination present in the MBLK for Cd. Sample results below the reporting limit are reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Aluminum | NELAP | 25.0 | | **< 25.0** | µg/L | 1 | 05/01/2026 12:07 | 255531 |
| Barium | NELAP | 2.5 | | **115** | µg/L | 1 | 05/01/2026 12:07 | 255531 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 05/01/2026 12:07 | 255531 |
| Boron | NELAP | 20.0 | S | **10300** | µg/L | 1 | 05/01/2026 12:07 | 255531 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 05/01/2026 12:07 | 255531 |
| Calcium | NELAP | 0.100 | S | **184** | mg/L | 1 | 04/27/2026 17:42 | 255531 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 12:07 | 255531 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 12:07 | 255531 |
| Copper | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 12:07 | 255531 |
| Iron | NELAP | 40.0 | S | **8140** | µg/L | 1 | 05/01/2026 12:07 | 255531 |
| Magnesium | NELAP | 0.500 | S | **118** | mg/L | 10 | 04/30/2026 16:15 | 255531 |
| Manganese | NELAP | 7.0 | | **156** | µg/L | 1 | 05/01/2026 12:07 | 255531 |
| Nickel | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 05/01/2026 12:07 | 255531 |
| Potassium | NELAP | 0.100 | | **2.27** | mg/L | 1 | 04/27/2026 17:42 | 255531 |
| Selenium | NELAP | 40.0 | | **< 40.0** | µg/L | 1 | 05/01/2026 12:07 | 255531 |
| Silver | NELAP | 7.0 | | **< 7.0** | µg/L | 1 | 05/01/2026 12:07 | 255531 |
| Sodium | NELAP | 0.050 | | **33.2** | mg/L | 1 | 04/27/2026 17:42 | 255531 |
| Vanadium | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 05/01/2026 12:07 | 255531 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 05/01/2026 12:07 | 255531 |
| *Matrix spike control limits for B and Fe are not applicable due to high sample/spike ratio.* | | | | | | | | |
| *Matrix spike control limits for Ca and Mg are not applicable due to high sample/spike ratio.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)** | | | | | | | | |
| Arsenic | NELAP | 1.0 | | **143** | µg/L | 5 | 05/12/2026 19:01 | 255519 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 0:21 | 255519 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/13/2026 17:34 | 255531 |
| Arsenic | NELAP | 1.0 | | **18.7** | µg/L | 5 | 05/13/2026 17:34 | 255531 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/04/2026 23:01 | 255531 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 05/14/2026 23:31 | 255531 |
| **SW-846 7470A (DISSOLVED)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/27/2026 16:17 | 255547 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/27/2026 16:15 | 255547 |
| **EPA 600 548.1, ENDOTHALL BY GC/MS** | | | | | | | | |
| Endothall | * | 10 | | **ND** | µg/L | 1 | 04/26/2026 19:54 | 255565 |
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| 4,4´-DDT | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 12:16 | 255656 |
| Alachlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 12:16 | 255656 |
| Aldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 12:16 | 255656 |
| Dieldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 12:16 | 255656 |
| Endrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 12:16 | 255656 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-009 **Client Sample ID:** AW-1

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 10:02

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| gamma-BHC | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 12:16 | 255656 |
| Heptachlor | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 12:16 | 255656 |
| Heptachlor epoxide | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 12:16 | 255656 |
| Methoxychlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 12:16 | 255656 |
| Toxaphene | NELAP | 1.02 | | **ND** | µg/L | 1 | 04/28/2026 12:16 | 255656 |
| Chlordane | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 12:16 | 255656 |
| Surr: Decachlorobiphenyl | * | 19.9-155 | | **60.3** | %REC | 1 | 04/28/2026 12:16 | 255656 |
| Surr: Tetrachloro-m-xylene | * | 36.1-128 | | **69.1** | %REC | 1 | 04/28/2026 12:16 | 255656 |
| *Elevated reporting limits due to limited sample.* | | | | | | | | |
| **SW-846 3510C, 8082A, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD** | | | | | | | | |
| Polychlorinated Biphenyls (Total) | NELAP | 0.500 | | **ND** | µg/L | 1 | 04/28/2026 12:04 | 255656 |
| Surr: Decachlorobiphenyl | * | 5-174 | | **56.2** | %REC | 1 | 04/28/2026 12:04 | 255656 |
| Surr: Tetrachloro-meta-xylene | * | 22.2-139 | | **80.1** | %REC | 1 | 04/28/2026 12:04 | 255656 |
| **SW-846 3510C, 8151A, CHLORINATED HERBICIDES BY GC/ECD** | | | | | | | | |
| 2,4,5-TP (Silvex) | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/28/2026 8:31 | 255594 |
| 2,4-D | NELAP | 0.60 | | **ND** | µg/L | 1 | 04/28/2026 8:31 | 255594 |
| Dalapon | NELAP | 2.60 | | **ND** | µg/L | 1 | 04/28/2026 8:31 | 255594 |
| Dinoseb | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/28/2026 8:31 | 255594 |
| Pentachlorophenol | NELAP | 0.20 | | **ND** | µg/L | 1 | 04/28/2026 8:31 | 255594 |
| Picloram | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 8:31 | 255594 |
| Surr: 2,4-Dichlorophenylacetic acid | * | 1-189 | | **75.9** | %REC | 1 | 04/28/2026 8:31 | 255594 |
| *Elevated reporting limit due to sample composition.* | | | | | | | | |
| **SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Aldicarb | * | 1.00 | | **ND** | µg/L | 1 | 04/27/2026 21:33 | 255504 |
| Atrazine | * | 0.08 | | **ND** | µg/L | 1 | 04/27/2026 21:33 | 255504 |
| Benzo(a)pyrene | * | 0.20 | | **ND** | µg/L | 1 | 04/27/2026 21:33 | 255504 |
| Carbofuran | * | 0.60 | | **ND** | µg/L | 1 | 04/27/2026 21:33 | 255504 |
| Simazine | * | 0.55 | | **ND** | µg/L | 1 | 04/27/2026 21:33 | 255504 |
| Surr: 2-Fluorobiphenyl | * | 39.3-126 | | **72.2** | %REC | 1 | 04/27/2026 21:33 | 255504 |
| Surr: 2-Fluorophenol | * | 1-135 | | **51.0** | %REC | 1 | 04/27/2026 21:33 | 255504 |
| Surr: Nitrobenzene-d5 | * | 45-133 | | **75.8** | %REC | 1 | 04/27/2026 21:33 | 255504 |
| Surr: Phenol-d5 | * | 1-73.7 | | **35.2** | %REC | 1 | 04/27/2026 21:33 | 255504 |
| Surr: p-Terphenyl-d14 | * | 46.2-128 | | **80.1** | %REC | 1 | 04/27/2026 21:33 | 255504 |
| **SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (TOTAL)** | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | NELAP | 6.0 | | **ND** | µg/L | 1 | 04/29/2026 13:41 | 255726 |
| Bis(chloromethyl)ether | * | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 13:41 | 255726 |
| Butyl benzyl phthalate | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 13:41 | 255726 |
| Diethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 13:41 | 255726 |
| Dimethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 13:41 | 255726 |
| Di-n-butyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 13:41 | 255726 |
| Isophorone | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 13:41 | 255726 |
| m,p-Cresol | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 13:41 | 255726 |
| Parathion | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 13:41 | 255726 |
| Surr: 2,4,6-Tribromophenol | * | 29-129 | | **50.2** | %REC | 1 | 04/29/2026 13:41 | 255726 |
| Surr: 2-Fluorobiphenyl | * | 30.1-112 | | **35.5** | %REC | 1 | 04/29/2026 13:41 | 255726 |
| Surr: 2-Fluorophenol | * | 18.7-95.3 | | **30.8** | %REC | 1 | 04/29/2026 13:41 | 255726 |
| Surr: Nitrobenzene-d5 | * | 23.6-113 | | **34.1** | %REC | 1 | 04/29/2026 13:41 | 255726 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-009 **Client Sample ID:** AW-1

**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 10:02

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (TOTAL)** | | | | | | | | |
| Surr: Phenol-d5 | * | 15.9-72.2 | | **24.0** | %REC | 1 | 04/29/2026 13:41 | 255726 |
| Surr: p-Terphenyl-d14 | * | 17.9-114 | | **43.6** | %REC | 1 | 04/29/2026 13:41 | 255726 |
| **SW-846 8011, DBCP & EDB BY GC/ECD** | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | * | 0.05 | | **ND** | µg/L | 1 | 04/24/2026 16:29 | 255587 |
| 1,2-Dibromoethane | * | 0.05 | | **ND** | µg/L | 1 | 04/24/2026 16:29 | 255587 |
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,1,1-Trichloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,1,2,2-Tetrachloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,1,2-Trichloroethane | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,1-Dichloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,1-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,2,3-Trichlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,2,3-Trichloropropane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,2,4-Trimethylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,2-Dichlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,2-Dichloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,2-Dichloropropane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,3,5-Trimethylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,3-Dichlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,3-Dichloropropane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,4-Dichlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 2,2-Dichloropropane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 2-Butanone | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 2-Chlorotoluene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 2-Hexanone | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 4-Chlorotoluene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 4-Methyl-2-pentanone | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Acetone | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Acrolein | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Acrylonitrile | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Benzene | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Bromobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Bromochloromethane | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Bromodichloromethane | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Bromoform | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Bromomethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Carbon disulfide | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Carbon tetrachloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Chlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Chloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Chloroform | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Chloromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| cis-1,2-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| cis-1,3-Dichloropropene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Dibromochloromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Dibromomethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

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**Matrix:** GROUNDWATER **Collection Date:** 04/23/2026 10:02

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Dichlorodifluoromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Ethylbenzene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Hexachlorobutadiene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Iodomethane | NELAP | 3.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Isopropylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| m,p-Xylenes | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Methylene chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Naphthalene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| n-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| n-Propylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| o-Xylene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| p-Isopropyltoluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| sec-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Styrene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| tert-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Tetrachloroethene | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Tetrahydrofuran | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Toluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| trans-1,2-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| trans-1,3-Dichloropropene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| trans-1,4-Dichloro-2-butene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Trichloroethene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Trichlorofluoromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Vinyl acetate | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Vinyl chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Xylenes, Total | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| 1,3-Dichloropropene, Total | * | 2.00 | | **ND** | µg/L | 1 | 04/28/2026 14:19 | 255771 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | S | **122.6** | %REC | 1 | 04/28/2026 14:19 | 255771 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | **110.1** | %REC | 1 | 04/28/2026 14:19 | 255771 |
| Surr: Dibromofluoromethane | * | 80-120 | | **104.0** | %REC | 1 | 04/28/2026 14:19 | 255771 |
| Surr: Toluene-d8 | * | 80-120 | | **105.3** | %REC | 1 | 04/28/2026 14:19 | 255771 |

*Surrogate recovery is outside control limits due to matrix interference.*

*Allowable Marginal Exceedance of 1,1,2,2-Tetrachloroethane and trans-1,4-Dichloro-2-butene in the laboratory control sample is verified per the TNI Standard.*

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-010 **Client Sample ID:** AW-2

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 10:19

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **497.34** | ft | 1 | 04/22/2026 10:19 | R383246 |
| Depth to water | * | -5.00 | | **1.14** | ft | 1 | 04/22/2026 10:19 | R383246 |
| Depth to water from measuring point | * | 0 | | **4.44** | ft | 1 | 04/22/2026 10:19 | R383246 |
| Elevation of groundwater surface | * | 0 | | **525.54** | ft | 1 | 04/22/2026 10:19 | R383246 |
| Measuring Point Elevation | * | 0 | | **529.98** | ft | 1 | 04/22/2026 10:19 | R383246 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **58.3** | °F | 1 | 04/22/2026 10:19 | R383246 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.61** | | 1 | 04/22/2026 10:19 | R383246 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **821** | µmhos/cm @25C | 1 | 04/22/2026 10:19 | R383246 |
| **EPA 1664B** | | | | | | | | |
| Hexane Extractable Material | NELAP | 6 | | **< 6** | mg/L | 1 | 04/28/2026 16:34 | R383034 |
| **EPA 600 350.1 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **3.97** | mg/L | 1 | 04/23/2026 15:36 | R382764 |
| **EPA 600 350.1 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.20 | | **4.19** | mg/L | 2 | 04/24/2026 18:33 | R382849 |
| **EPA 600 353.2 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 17:43 | R382815 |
| **EPA 600 353.2 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 19:13 | R382815 |
| **STANDARD METHODS 2540 C (DISSOLVED) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **782** | mg/L | 1 | 04/24/2026 14:34 | R383030 |
| **STANDARD METHODS 5210 B 2016** | | | | | | | | |
| Biochemical Oxygen Demand | NELAP | 10 | | **< 10** | mg/L | 1 | 04/23/2026 16:54 | 255472 |
| **STANDARD METHODS 5220 D (TOTAL) 2011** | | | | | | | | |
| Chemical Oxygen Demand | NELAP | 50 | | **< 50** | mg/L | 1 | 04/29/2026 22:40 | R383133 |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.005 | | **< 0.005** | mg/L | 1 | 04/24/2026 18:00 | 255527 |
| **SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Chloride | NELAP | 5.00 | | **24.8** | mg/L | 10 | 04/26/2026 11:19 | R382935 |
| Sulfate | NELAP | 10.0 | | **135** | mg/L | 10 | 04/26/2026 11:19 | R382935 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 04/26/2026 11:06 | R382935 |
| Chloride | NELAP | 5.00 | | **18.8** | mg/L | 10 | 04/26/2026 11:06 | R382935 |
| Sulfate | NELAP | 10.0 | | **43.9** | mg/L | 10 | 04/26/2026 11:06 | R382935 |
| **SW-846 9060A** | | | | | | | | |
| Total Organic Carbon (TOC) | NELAP | 1.0 | | **4.5** | mg/L | 1 | 04/22/2026 22:18 | R382728 |
| **SW-846 9066 (TOTAL)** | | | | | | | | |
| Phenols | NELAP | 5 | | **< 5** | µg/L | 1 | 04/27/2026 14:16 | R382981 |
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Boron | NELAP | 20.0 | | **2480** | µg/L | 1 | 04/24/2026 21:00 | 255439 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 04/24/2026 21:00 | 255439 |
| Chromium | NELAP | 4.0 | | **< 4.0** | µg/L | 1 | 04/24/2026 21:00 | 255439 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-010 **Client Sample ID:** AW-2

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 10:19

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Magnesium | NELAP | 0.050 | | **58.1** | mg/L | 1 | 04/24/2026 21:00 | 255439 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 04/24/2026 21:00 | 255439 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Aluminum | NELAP | 25.0 | | **< 25.0** | µg/L | 1 | 04/27/2026 20:04 | 255445 |
| Barium | NELAP | 2.5 | | **275** | µg/L | 1 | 04/27/2026 20:04 | 255445 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 04/27/2026 20:04 | 255445 |
| Boron | NELAP | 20.0 | | **1270** | µg/L | 1 | 04/27/2026 20:04 | 255445 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 04/27/2026 20:04 | 255445 |
| Calcium | NELAP | 0.100 | | **107** | mg/L | 1 | 04/27/2026 20:04 | 255445 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 04/27/2026 20:04 | 255445 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 04/27/2026 20:04 | 255445 |
| Copper | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 04/27/2026 20:04 | 255445 |
| Iron | NELAP | 40.0 | | **4060** | µg/L | 1 | 04/27/2026 20:04 | 255445 |
| Magnesium | NELAP | 0.050 | | **46.5** | mg/L | 1 | 05/01/2026 11:00 | 255445 |
| Manganese | NELAP | 7.0 | | **176** | µg/L | 1 | 04/27/2026 20:04 | 255445 |
| Nickel | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 04/27/2026 20:04 | 255445 |
| Potassium | NELAP | 0.100 | | **1.71** | mg/L | 1 | 04/27/2026 20:04 | 255445 |
| Selenium | NELAP | 40.0 | | **< 40.0** | µg/L | 1 | 04/27/2026 20:04 | 255445 |
| Silver | NELAP | 7.0 | | **< 7.0** | µg/L | 1 | 04/27/2026 20:04 | 255445 |
| Sodium | NELAP | 0.050 | B | **28.4** | mg/L | 1 | 04/27/2026 20:04 | 255445 |
| Vanadium | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 04/27/2026 20:04 | 255445 |
| Zinc | NELAP | 10.0 | B | **< 10.0** | µg/L | 1 | 04/27/2026 20:04 | 255445 |
| *Contamination present in the MBLK for Zn. Sample results below the reporting limit are reportable per the TNI Standard.* | | | | | | | | |
| *Sample result(s) for Na exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)** | | | | | | | | |
| Arsenic | NELAP | 1.0 | | **7.0** | µg/L | 5 | 05/09/2026 3:39 | 255439 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 21:27 | 255439 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 14:27 | 255445 |
| Arsenic | NELAP | 1.0 | | **2.1** | µg/L | 5 | 05/05/2026 14:27 | 255445 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/08/2026 21:53 | 255445 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 05/05/2026 14:27 | 255445 |
| **SW-846 7470A (DISSOLVED)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 17:00 | 255444 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 16:58 | 255444 |
| **EPA 600 548.1, ENDOTHALL BY GC/MS** | | | | | | | | |
| Endothall | * | 10 | | **ND** | µg/L | 1 | 04/26/2026 20:09 | 255565 |
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| 4,4´-DDT | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:10 | 255656 |
| Alachlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:10 | 255656 |
| Aldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 13:10 | 255656 |
| Dieldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 13:10 | 255656 |
| Endrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:10 | 255656 |
| gamma-BHC | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 13:10 | 255656 |
| Heptachlor | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 13:10 | 255656 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-010 **Client Sample ID:** AW-2

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 10:19

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| Heptachlor epoxide | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:10 | 255656 |
| Methoxychlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:10 | 255656 |
| Toxaphene | NELAP | 1.02 | | **ND** | µg/L | 1 | 04/28/2026 13:10 | 255656 |
| Chlordane | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:10 | 255656 |
| Surr: Decachlorobiphenyl | * | 19.9-155 | | **67.0** | %REC | 1 | 04/28/2026 13:10 | 255656 |
| Surr: Tetrachloro-m-xylene | * | 36.1-128 | | **63.1** | %REC | 1 | 04/28/2026 13:10 | 255656 |
| *Elevated reporting limits due to limited sample.* | | | | | | | | |
| **SW-846 3510C, 8082A, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD** | | | | | | | | |
| Polychlorinated Biphenyls (Total) | NELAP | 0.500 | | **ND** | µg/L | 1 | 04/28/2026 12:19 | 255656 |
| Surr: Decachlorobiphenyl | * | 5-174 | | **61.6** | %REC | 1 | 04/28/2026 12:19 | 255656 |
| Surr: Tetrachloro-meta-xylene | * | 22.2-139 | | **74.0** | %REC | 1 | 04/28/2026 12:19 | 255656 |
| **SW-846 3510C, 8151A, CHLORINATED HERBICIDES BY GC/ECD** | | | | | | | | |
| 2,4,5-TP (Silvex) | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/28/2026 1:07 | 255414 |
| 2,4-D | NELAP | 0.60 | | **ND** | µg/L | 1 | 04/28/2026 1:07 | 255414 |
| Dalapon | NELAP | 2.60 | | **ND** | µg/L | 1 | 04/28/2026 1:07 | 255414 |
| Dinoseb | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/28/2026 1:07 | 255414 |
| Pentachlorophenol | NELAP | 0.20 | | **ND** | µg/L | 1 | 04/28/2026 1:07 | 255414 |
| Picloram | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 1:07 | 255414 |
| Surr: 2,4-Dichlorophenylacetic acid | * | 1-189 | | **75.8** | %REC | 1 | 04/28/2026 1:07 | 255414 |
| *Elevated reporting limit due to sample composition.* | | | | | | | | |
| **SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Aldicarb | * | 1.00 | | **ND** | µg/L | 1 | 04/27/2026 22:06 | 255504 |
| Atrazine | * | 0.08 | | **ND** | µg/L | 1 | 04/27/2026 22:06 | 255504 |
| Benzo(a)pyrene | * | 0.20 | | **ND** | µg/L | 1 | 04/27/2026 22:06 | 255504 |
| Carbofuran | * | 0.60 | | **ND** | µg/L | 1 | 04/27/2026 22:06 | 255504 |
| Simazine | * | 0.55 | | **ND** | µg/L | 1 | 04/27/2026 22:06 | 255504 |
| Surr: 2-Fluorobiphenyl | * | 39.3-126 | | **61.6** | %REC | 1 | 04/27/2026 22:06 | 255504 |
| Surr: 2-Fluorophenol | * | 1-135 | | **45.2** | %REC | 1 | 04/27/2026 22:06 | 255504 |
| Surr: Nitrobenzene-d5 | * | 45-133 | | **66.8** | %REC | 1 | 04/27/2026 22:06 | 255504 |
| Surr: Phenol-d5 | * | 1-73.7 | | **30.3** | %REC | 1 | 04/27/2026 22:06 | 255504 |
| Surr: p-Terphenyl-d14 | * | 46.2-128 | | **73.2** | %REC | 1 | 04/27/2026 22:06 | 255504 |
| **SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (TOTAL)** | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | NELAP | 6.0 | | **ND** | µg/L | 1 | 04/29/2026 14:13 | 255726 |
| Bis(chloromethyl)ether | * | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 14:13 | 255726 |
| Butyl benzyl phthalate | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 14:13 | 255726 |
| Diethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 14:13 | 255726 |
| Dimethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 14:13 | 255726 |
| Di-n-butyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 14:13 | 255726 |
| Isophorone | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 14:13 | 255726 |
| m,p-Cresol | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 14:13 | 255726 |
| Parathion | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 14:13 | 255726 |
| Surr: 2,4,6-Tribromophenol | * | 29-129 | | **50.5** | %REC | 1 | 04/29/2026 14:13 | 255726 |
| Surr: 2-Fluorobiphenyl | * | 30.1-112 | | **39.3** | %REC | 1 | 04/29/2026 14:13 | 255726 |
| Surr: 2-Fluorophenol | * | 18.7-95.3 | | **32.8** | %REC | 1 | 04/29/2026 14:13 | 255726 |
| Surr: Nitrobenzene-d5 | * | 23.6-113 | | **35.9** | %REC | 1 | 04/29/2026 14:13 | 255726 |
| Surr: Phenol-d5 | * | 15.9-72.2 | | **26.0** | %REC | 1 | 04/29/2026 14:13 | 255726 |
| Surr: p-Terphenyl-d14 | * | 17.9-114 | | **41.7** | %REC | 1 | 04/29/2026 14:13 | 255726 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-010 **Client Sample ID:** AW-2

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 10:19

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 8011, DBCP & EDB BY GC/ECD** | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 9:57 | 255511 |
| 1,2-Dibromoethane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 9:57 | 255511 |
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,1,1-Trichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,1,2,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,1,2-Trichloroethane | NELAP | 0.50 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,1-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,1-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,2,3-Trichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,2,3-Trichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,2,4-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,2-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,2-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,3,5-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,3-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,3-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,4-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 2,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 2-Butanone | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 2-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 2-Hexanone | NELAP | 10.0 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 4-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 4-Methyl-2-pentanone | NELAP | 5.00 | B | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Acetone | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Acrolein | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Acrylonitrile | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Benzene | NELAP | 0.50 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Bromobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Bromochloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Bromodichloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Bromoform | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Bromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Carbon disulfide | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Carbon tetrachloride | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Chlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Chloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Chloroform | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Chloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| cis-1,2-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| cis-1,3-Dichloropropene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Dibromochloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Dibromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Dichlorodifluoromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Ethylbenzene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Hexachlorobutadiene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:11 | 255667 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-010 **Client Sample ID:** AW-2

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 10:19

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Iodomethane | NELAP | 3.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Isopropylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| m,p-Xylenes | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Methylene chloride | NELAP | 2.00 | B | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Naphthalene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| n-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| n-Propylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| o-Xylene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| p-Isopropyltoluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| sec-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Styrene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| tert-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Tetrachloroethene | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Tetrahydrofuran | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Toluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| trans-1,2-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| trans-1,3-Dichloropropene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| trans-1,4-Dichloro-2-butene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Trichloroethene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Trichlorofluoromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Vinyl acetate | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Vinyl chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Xylenes, Total | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| 1,3-Dichloropropene, Total | * | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:11 | 255667 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | | **111.0** | %REC | 1 | 04/24/2026 14:11 | 255667 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | **95.4** | %REC | 1 | 04/24/2026 14:11 | 255667 |
| Surr: Dibromofluoromethane | * | 80-120 | | **101.1** | %REC | 1 | 04/24/2026 14:11 | 255667 |
| Surr: Toluene-d8 | * | 80-120 | | **89.6** | %REC | 1 | 04/24/2026 14:11 | 255667 |

*Contamination present in the MBLK for multiple analytes. Sample results below the reporting limit are reportable per the TNI Standard.*

*Allowable Marginal Exceedance of Toluene in the laboratory control sample is verified per the TNI Standard.*

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-011 **Client Sample ID:** RW-3

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:07

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **495.49** | ft | 1 | 04/22/2026 11:07 | R383246 |
| Depth to water | * | -5.00 | | **7.28** | ft | 1 | 04/22/2026 11:07 | R383246 |
| Depth to water from measuring point | * | 0 | | **9.98** | ft | 1 | 04/22/2026 11:07 | R383246 |
| Elevation of groundwater surface | * | 0 | | **529.52** | ft | 1 | 04/22/2026 11:07 | R383246 |
| Measuring Point Elevation | * | 0 | | **539.50** | ft | 1 | 04/22/2026 11:07 | R383246 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **57.9** | °F | 1 | 04/22/2026 11:07 | R383246 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.97** | | 1 | 04/22/2026 11:07 | R383246 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **650** | µmhos/cm @25C | 1 | 04/22/2026 11:07 | R383246 |
| **EPA 1664B** | | | | | | | | |
| Hexane Extractable Material | NELAP | 5 | | **< 5** | mg/L | 1 | 04/28/2026 16:34 | R383034 |
| **EPA 600 350.1 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **1.20** | mg/L | 1 | 04/23/2026 15:41 | R382764 |
| **EPA 600 350.1 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **1.21** | mg/L | 1 | 04/23/2026 15:38 | R382764 |
| **EPA 600 353.2 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **0.302** | mg/L | 1 | 04/23/2026 17:55 | R382815 |
| **EPA 600 353.2 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **0.494** | mg/L | 1 | 04/23/2026 19:15 | R382815 |
| **STANDARD METHODS 2540 C (DISSOLVED) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **450** | mg/L | 1 | 04/24/2026 14:34 | R383030 |
| **STANDARD METHODS 5210 B 2016** | | | | | | | | |
| Biochemical Oxygen Demand | NELAP | 10 | | **< 10** | mg/L | 1 | 04/23/2026 16:59 | 255472 |
| **STANDARD METHODS 5220 D (TOTAL) 2011** | | | | | | | | |
| Chemical Oxygen Demand | NELAP | 50 | | **< 50** | mg/L | 1 | 04/29/2026 22:40 | R383133 |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.005 | | **< 0.005** | mg/L | 1 | 04/24/2026 18:04 | 255527 |
| **SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Chloride | NELAP | 5.00 | | **26.7** | mg/L | 10 | 04/26/2026 11:44 | R382935 |
| Sulfate | NELAP | 10.0 | | **ND** | mg/L | 10 | 04/26/2026 11:44 | R382935 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 04/26/2026 11:32 | R382935 |
| Chloride | NELAP | 5.00 | | **26.7** | mg/L | 10 | 04/26/2026 11:32 | R382935 |
| Sulfate | NELAP | 10.0 | | **ND** | mg/L | 10 | 04/26/2026 11:32 | R382935 |
| **SW-846 9060A** | | | | | | | | |
| Total Organic Carbon (TOC) | NELAP | 1.0 | | **3.9** | mg/L | 1 | 04/22/2026 22:24 | R382728 |
| **SW-846 9066 (TOTAL)** | | | | | | | | |
| Phenols | NELAP | 5 | | **< 5** | µg/L | 1 | 04/27/2026 14:13 | R382981 |
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Boron | NELAP | 20.0 | | **168** | µg/L | 1 | 04/24/2026 21:01 | 255439 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 04/24/2026 21:01 | 255439 |
| Chromium | NELAP | 4.0 | | **< 4.0** | µg/L | 1 | 04/24/2026 21:01 | 255439 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-011 **Client Sample ID:** RW-3

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:07

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Magnesium | NELAP | 0.050 | | **27.7** | mg/L | 1 | 04/24/2026 21:01 | 255439 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 04/24/2026 21:01 | 255439 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Aluminum | NELAP | 25.0 | | **< 25.0** | µg/L | 1 | 04/27/2026 20:05 | 255445 |
| Barium | NELAP | 2.5 | | **158** | µg/L | 1 | 04/27/2026 20:05 | 255445 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 04/27/2026 20:05 | 255445 |
| Boron | NELAP | 20.0 | | **163** | µg/L | 1 | 04/27/2026 20:05 | 255445 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 04/27/2026 20:05 | 255445 |
| Calcium | NELAP | 0.100 | | **67.5** | mg/L | 1 | 04/27/2026 20:05 | 255445 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 04/27/2026 20:05 | 255445 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 04/27/2026 20:05 | 255445 |
| Copper | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 04/27/2026 20:05 | 255445 |
| Iron | NELAP | 40.0 | | **4030** | µg/L | 1 | 04/27/2026 20:05 | 255445 |
| Magnesium | NELAP | 0.050 | | **28.8** | mg/L | 1 | 05/01/2026 11:01 | 255445 |
| Manganese | NELAP | 7.0 | | **93.3** | µg/L | 1 | 04/27/2026 20:05 | 255445 |
| Nickel | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 04/27/2026 20:05 | 255445 |
| Potassium | NELAP | 0.100 | | **1.84** | mg/L | 1 | 04/27/2026 20:05 | 255445 |
| Selenium | NELAP | 40.0 | | **< 40.0** | µg/L | 1 | 04/27/2026 20:05 | 255445 |
| Silver | NELAP | 7.0 | | **< 7.0** | µg/L | 1 | 04/27/2026 20:05 | 255445 |
| Sodium | NELAP | 0.050 | B | **56.1** | mg/L | 1 | 04/27/2026 20:05 | 255445 |
| Vanadium | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 04/27/2026 20:05 | 255445 |
| Zinc | NELAP | 10.0 | B | **< 10.0** | µg/L | 1 | 04/27/2026 20:05 | 255445 |
| *Contamination present in the MBLK for Zn. Sample results below the reporting limit are reportable per the TNI Standard.* | | | | | | | | |
| *Sample result(s) for Na exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)** | | | | | | | | |
| Arsenic | NELAP | 1.0 | | **80.9** | µg/L | 5 | 05/15/2026 11:00 | 255439 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 21:31 | 255439 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 14:29 | 255445 |
| Arsenic | NELAP | 1.0 | | **76.3** | µg/L | 5 | 05/05/2026 14:29 | 255445 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/08/2026 21:57 | 255445 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 05/05/2026 14:29 | 255445 |
| **SW-846 7470A (DISSOLVED)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 17:08 | 255444 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 17:06 | 255444 |
| **EPA 600 548.1, ENDOTHALL BY GC/MS** | | | | | | | | |
| Endothall | * | 10 | | **ND** | µg/L | 1 | 04/26/2026 20:24 | 255565 |
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| 4,4´-DDT | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:23 | 255656 |
| Alachlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:23 | 255656 |
| Aldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 13:23 | 255656 |
| Dieldrin | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 13:23 | 255656 |
| Endrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:23 | 255656 |
| gamma-BHC | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 13:23 | 255656 |
| Heptachlor | NELAP | 0.04 | | **ND** | µg/L | 1 | 04/28/2026 13:23 | 255656 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-011 **Client Sample ID:** RW-3

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:07

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| Heptachlor epoxide | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:23 | 255656 |
| Methoxychlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:23 | 255656 |
| Toxaphene | NELAP | 1.02 | | **ND** | µg/L | 1 | 04/28/2026 13:23 | 255656 |
| Chlordane | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:23 | 255656 |
| Surr: Decachlorobiphenyl | * | 19.9-155 | | **83.1** | %REC | 1 | 04/28/2026 13:23 | 255656 |
| Surr: Tetrachloro-m-xylene | * | 36.1-128 | | **60.6** | %REC | 1 | 04/28/2026 13:23 | 255656 |
| *Elevated reporting limits due to limited sample.* | | | | | | | | |
| **SW-846 3510C, 8082A, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD** | | | | | | | | |
| Polychlorinated Biphenyls (Total) | NELAP | 0.500 | | **ND** | µg/L | 1 | 04/28/2026 15:25 | 255656 |
| Surr: Decachlorobiphenyl | * | 5-174 | | **80.1** | %REC | 1 | 04/28/2026 15:25 | 255656 |
| Surr: Tetrachloro-meta-xylene | * | 22.2-139 | | **76.8** | %REC | 1 | 04/28/2026 15:25 | 255656 |
| **SW-846 3510C, 8151A, CHLORINATED HERBICIDES BY GC/ECD** | | | | | | | | |
| 2,4,5-TP (Silvex) | NELAP | 0.19 | | **ND** | µg/L | 1 | 04/28/2026 6:28 | 255496 |
| 2,4-D | NELAP | 0.28 | | **ND** | µg/L | 1 | 04/28/2026 6:28 | 255496 |
| Dalapon | NELAP | 1.23 | | **ND** | µg/L | 1 | 04/28/2026 6:28 | 255496 |
| Dinoseb | NELAP | 0.19 | | **ND** | µg/L | 1 | 04/28/2026 6:28 | 255496 |
| Pentachlorophenol | NELAP | 0.09 | | **ND** | µg/L | 1 | 04/28/2026 6:28 | 255496 |
| Picloram | NELAP | 0.47 | | **ND** | µg/L | 1 | 04/28/2026 6:28 | 255496 |
| Surr: 2,4-Dichlorophenylacetic acid | * | 1-189 | | **85.9** | %REC | 1 | 04/28/2026 6:28 | 255496 |
| **SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Aldicarb | * | 1.00 | | **ND** | µg/L | 1 | 04/27/2026 22:38 | 255504 |
| Atrazine | * | 0.08 | | **ND** | µg/L | 1 | 04/27/2026 22:38 | 255504 |
| Benzo(a)pyrene | * | 0.20 | | **ND** | µg/L | 1 | 04/27/2026 22:38 | 255504 |
| Carbofuran | * | 0.60 | | **ND** | µg/L | 1 | 04/27/2026 22:38 | 255504 |
| Simazine | * | 0.55 | | **ND** | µg/L | 1 | 04/27/2026 22:38 | 255504 |
| Surr: 2-Fluorobiphenyl | * | 39.3-126 | | **65.2** | %REC | 1 | 04/27/2026 22:38 | 255504 |
| Surr: 2-Fluorophenol | * | 1-135 | | **47.1** | %REC | 1 | 04/27/2026 22:38 | 255504 |
| Surr: Nitrobenzene-d5 | * | 45-133 | | **68.7** | %REC | 1 | 04/27/2026 22:38 | 255504 |
| Surr: Phenol-d5 | * | 1-73.7 | | **31.8** | %REC | 1 | 04/27/2026 22:38 | 255504 |
| Surr: p-Terphenyl-d14 | * | 46.2-128 | | **77.6** | %REC | 1 | 04/27/2026 22:38 | 255504 |
| **SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (TOTAL)** | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | NELAP | 6.0 | | **ND** | µg/L | 1 | 04/29/2026 14:45 | 255726 |
| Bis(chloromethyl)ether | * | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 14:45 | 255726 |
| Butyl benzyl phthalate | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 14:45 | 255726 |
| Diethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 14:45 | 255726 |
| Dimethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 14:45 | 255726 |
| Di-n-butyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 14:45 | 255726 |
| Isophorone | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 14:45 | 255726 |
| m,p-Cresol | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 14:45 | 255726 |
| Parathion | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 14:45 | 255726 |
| Surr: 2,4,6-Tribromophenol | * | 29-129 | | **51.9** | %REC | 1 | 04/29/2026 14:45 | 255726 |
| Surr: 2-Fluorobiphenyl | * | 30.1-112 | | **41.4** | %REC | 1 | 04/29/2026 14:45 | 255726 |
| Surr: 2-Fluorophenol | * | 18.7-95.3 | | **33.8** | %REC | 1 | 04/29/2026 14:45 | 255726 |
| Surr: Nitrobenzene-d5 | * | 23.6-113 | | **37.0** | %REC | 1 | 04/29/2026 14:45 | 255726 |
| Surr: Phenol-d5 | * | 15.9-72.2 | | **27.3** | %REC | 1 | 04/29/2026 14:45 | 255726 |
| Surr: p-Terphenyl-d14 | * | 17.9-114 | | **41.6** | %REC | 1 | 04/29/2026 14:45 | 255726 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-011 **Client Sample ID:** RW-3

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:07

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 8011, DBCP & EDB BY GC/ECD** | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 10:08 | 255511 |
| 1,2-Dibromoethane | * | 0.05 | | ND | µg/L | 1 | 04/24/2026 10:08 | 255511 |
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,1,1-Trichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,1,2,2-Tetrachloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,1,2-Trichloroethane | NELAP | 0.50 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,1-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,1-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,2,3-Trichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,2,3-Trichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,2,4-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,2-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,2-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,3,5-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,3-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,3-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,4-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 2,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 2-Butanone | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 2-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 2-Hexanone | NELAP | 10.0 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 4-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 4-Methyl-2-pentanone | NELAP | 5.00 | B | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Acetone | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Acrolein | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Acrylonitrile | NELAP | 5.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Benzene | NELAP | 0.50 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Bromobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Bromochloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Bromodichloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Bromoform | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Bromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Carbon disulfide | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Carbon tetrachloride | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Chlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Chloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Chloroform | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Chloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| cis-1,2-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| cis-1,3-Dichloropropene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Dibromochloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Dibromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Dichlorodifluoromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Ethylbenzene | NELAP | 1.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Hexachlorobutadiene | NELAP | 2.00 | | ND | µg/L | 1 | 04/24/2026 14:37 | 255667 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-011 **Client Sample ID:** RW-3

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:07

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Iodomethane | NELAP | 3.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Isopropylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| m,p-Xylenes | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Methylene chloride | NELAP | 2.00 | B | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Naphthalene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| n-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| n-Propylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| o-Xylene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| p-Isopropyltoluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| sec-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Styrene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| tert-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Tetrachloroethene | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Tetrahydrofuran | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Toluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| trans-1,2-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| trans-1,3-Dichloropropene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| trans-1,4-Dichloro-2-butene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Trichloroethene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Trichlorofluoromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Vinyl acetate | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Vinyl chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Xylenes, Total | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| 1,3-Dichloropropene, Total | * | 2.00 | | **ND** | µg/L | 1 | 04/24/2026 14:37 | 255667 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | | **110.2** | %REC | 1 | 04/24/2026 14:37 | 255667 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | **92.0** | %REC | 1 | 04/24/2026 14:37 | 255667 |
| Surr: Dibromofluoromethane | * | 80-120 | | **97.7** | %REC | 1 | 04/24/2026 14:37 | 255667 |
| Surr: Toluene-d8 | * | 80-120 | | **86.9** | %REC | 1 | 04/24/2026 14:37 | 255667 |

*Contamination present in the MBLK for multiple analytes. Sample results below the reporting limit are reportable per the TNI Standard.*

*Allowable Marginal Exceedance of Toluene in the laboratory control sample is verified per the TNI Standard.*

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-012 **Client Sample ID:** DUPLICATE

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:31

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 1664B** | | | | | | | | |
| Hexane Extractable Material | NELAP | 6 | | **< 6** | mg/L | 1 | 04/28/2026 16:34 | R383034 |
| **EPA 600 350.1 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **3.30** | mg/L | 1 | 04/23/2026 15:48 | R382764 |
| **EPA 600 350.1 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Ammonia (as N) | NELAP | 0.10 | | **3.29** | mg/L | 1 | 04/23/2026 15:46 | R382764 |
| **EPA 600 353.2 R2.0 (1993) (DISSOLVED)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 17:59 | R382815 |
| **EPA 600 353.2 R2.0 (1993) (TOTAL)** | | | | | | | | |
| Nitrogen, Nitrate (as N) | NELAP | 0.050 | | **< 0.050** | mg/L | 1 | 04/23/2026 19:27 | R382815 |
| **STANDARD METHODS 2540 C (DISSOLVED) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **848** | mg/L | 1 | 04/24/2026 14:34 | R383030 |
| *Stable weight could not be achieved after multiple cycles of drying, cooling, and weighing. Final weight is reported.* | | | | | | | | |
| **STANDARD METHODS 5210 B 2016** | | | | | | | | |
| Biochemical Oxygen Demand | NELAP | 10 | | **< 10** | mg/L | 1 | 04/23/2026 17:03 | 255472 |
| **STANDARD METHODS 5220 D (TOTAL) 2011** | | | | | | | | |
| Chemical Oxygen Demand | NELAP | 50 | | **< 50** | mg/L | 1 | 04/29/2026 22:40 | R383133 |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.005 | | **< 0.005** | mg/L | 1 | 04/24/2026 18:09 | 255527 |
| **SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Chloride | NELAP | 5.00 | | **198** | mg/L | 10 | 04/26/2026 12:10 | R382935 |
| Sulfate | NELAP | 10.0 | | **31.4** | mg/L | 10 | 04/26/2026 12:10 | R382935 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 04/26/2026 11:57 | R382935 |
| Chloride | NELAP | 5.00 | | **194** | mg/L | 10 | 04/26/2026 11:57 | R382935 |
| Sulfate | NELAP | 10.0 | | **29.4** | mg/L | 10 | 04/26/2026 11:57 | R382935 |
| **SW-846 9060A** | | | | | | | | |
| Total Organic Carbon (TOC) | NELAP | 2.0 | | **3.0** | mg/L | 2 | 04/22/2026 23:24 | R382728 |
| **SW-846 9066 (TOTAL)** | | | | | | | | |
| Phenols | NELAP | 5 | | **< 5** | µg/L | 1 | 04/27/2026 14:24 | R382981 |
| **SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)** | | | | | | | | |
| Boron | NELAP | 20.0 | | **3980** | µg/L | 1 | 04/24/2026 21:03 | 255439 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 04/24/2026 21:03 | 255439 |
| Chromium | NELAP | 4.0 | | **< 4.0** | µg/L | 1 | 04/24/2026 21:03 | 255439 |
| Magnesium | NELAP | 0.050 | | **70.6** | mg/L | 1 | 04/24/2026 21:03 | 255439 |
| Zinc | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 04/24/2026 21:03 | 255439 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Aluminum | NELAP | 25.0 | | **63.3** | µg/L | 1 | 04/27/2026 20:07 | 255445 |
| Barium | NELAP | 2.5 | | **683** | µg/L | 1 | 04/27/2026 20:07 | 255445 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 04/27/2026 20:07 | 255445 |
| Boron | NELAP | 20.0 | | **3880** | µg/L | 1 | 04/27/2026 20:07 | 255445 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 04/27/2026 20:07 | 255445 |
| Calcium | NELAP | 0.100 | S | **163** | mg/L | 1 | 04/27/2026 20:07 | 255445 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 04/27/2026 20:07 | 255445 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 04/27/2026 20:07 | 255445 |
| Copper | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 04/27/2026 20:07 | 255445 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-012 **Client Sample ID:** DUPLICATE

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:31

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Iron | NELAP | 40.0 | | **11400** | µg/L | 1 | 04/27/2026 20:07 | 255445 |
| Magnesium | NELAP | 0.050 | | **71.7** | mg/L | 1 | 05/01/2026 11:14 | 255445 |
| Manganese | NELAP | 7.0 | | **119** | µg/L | 1 | 04/27/2026 20:07 | 255445 |
| Nickel | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 04/27/2026 20:07 | 255445 |
| Potassium | NELAP | 0.100 | | **2.04** | mg/L | 1 | 04/27/2026 20:07 | 255445 |
| Selenium | NELAP | 40.0 | | **< 40.0** | µg/L | 1 | 04/27/2026 20:07 | 255445 |
| Silver | NELAP | 7.0 | | **< 7.0** | µg/L | 1 | 04/27/2026 20:07 | 255445 |
| Sodium | NELAP | 0.050 | B | **36.2** | mg/L | 1 | 04/27/2026 20:07 | 255445 |
| Vanadium | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 04/27/2026 20:07 | 255445 |
| Zinc | NELAP | 10.0 | B | **< 10.0** | µg/L | 1 | 04/27/2026 20:07 | 255445 |
| *Contamination present in the MBLK for Zn. Sample results below the reporting limit are reportable per the TNI Standard.* | | | | | | | | |
| *Sample result(s) for Na exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| *Matrix spike control limits for Ca are not applicable due to high sample/spike ratio.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)** | | | | | | | | |
| Arsenic | NELAP | 1.0 | | **16.9** | µg/L | 5 | 05/15/2026 11:28 | 255439 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 21:35 | 255439 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/05/2026 14:32 | 255445 |
| Arsenic | NELAP | 1.0 | | **14.6** | µg/L | 5 | 05/05/2026 14:32 | 255445 |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 05/08/2026 22:01 | 255445 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 05/08/2026 22:01 | 255445 |
| **SW-846 7470A (DISSOLVED)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 17:13 | 255444 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 04/23/2026 17:10 | 255444 |
| **EPA 600 548.1, ENDOTHALL BY GC/MS** | | | | | | | | |
| Endothall | * | 10 | | **ND** | µg/L | 1 | 04/26/2026 20:38 | 255565 |
| **SW-846 3510C, 8081B, CHLORINATED PESTICIDES BY GC/ECD** | | | | | | | | |
| 4,4´-DDT | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:37 | 255656 |
| Alachlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:37 | 255656 |
| Aldrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:37 | 255656 |
| Dieldrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:37 | 255656 |
| Endrin | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:37 | 255656 |
| gamma-BHC | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:37 | 255656 |
| Heptachlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:37 | 255656 |
| Heptachlor epoxide | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:37 | 255656 |
| Methoxychlor | NELAP | 0.05 | | **ND** | µg/L | 1 | 04/28/2026 13:37 | 255656 |
| Toxaphene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 13:37 | 255656 |
| Chlordane | NELAP | 0.10 | | **ND** | µg/L | 1 | 04/28/2026 13:37 | 255656 |
| Surr: Decachlorobiphenyl | * | 19.9-155 | | **57.0** | %REC | 1 | 04/28/2026 13:37 | 255656 |
| Surr: Tetrachloro-m-xylene | * | 36.1-128 | | **66.0** | %REC | 1 | 04/28/2026 13:37 | 255656 |
| **SW-846 3510C, 8082A, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD** | | | | | | | | |
| Polychlorinated Biphenyls (Total) | NELAP | 0.500 | | **ND** | µg/L | 1 | 04/28/2026 15:40 | 255656 |
| Surr: Decachlorobiphenyl | * | 5-174 | | **52.1** | %REC | 1 | 04/28/2026 15:40 | 255656 |
| Surr: Tetrachloro-meta-xylene | * | 22.2-139 | | **78.7** | %REC | 1 | 04/28/2026 15:40 | 255656 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-012 **Client Sample ID:** DUPLICATE

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:31

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 3510C, 8151A, CHLORINATED HERBICIDES BY GC/ECD** | | | | | | | | |
| 2,4,5-TP (Silvex) | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/28/2026 6:53 | 255496 |
| 2,4-D | NELAP | 0.60 | | **ND** | µg/L | 1 | 04/28/2026 6:53 | 255496 |
| Dalapon | NELAP | 2.60 | | **ND** | µg/L | 1 | 04/28/2026 6:53 | 255496 |
| Dinoseb | NELAP | 0.40 | | **ND** | µg/L | 1 | 04/28/2026 6:53 | 255496 |
| Pentachlorophenol | NELAP | 0.20 | | **ND** | µg/L | 1 | 04/28/2026 6:53 | 255496 |
| Picloram | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 6:53 | 255496 |
| Surr: 2,4-Dichlorophenylacetic acid | * | 1-189 | | **87.7** | %REC | 1 | 04/28/2026 6:53 | 255496 |
| *Elevated reporting limit due to sample composition.* | | | | | | | | |
| **SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Aldicarb | * | 1.00 | | **ND** | µg/L | 1 | 04/28/2026 21:31 | 255609 |
| Atrazine | * | 0.08 | | **ND** | µg/L | 1 | 04/28/2026 21:31 | 255609 |
| Benzo(a)pyrene | * | 0.20 | | **ND** | µg/L | 1 | 04/28/2026 21:31 | 255609 |
| Carbofuran | * | 0.60 | | **ND** | µg/L | 1 | 04/28/2026 21:31 | 255609 |
| Simazine | * | 0.55 | | **ND** | µg/L | 1 | 04/28/2026 21:31 | 255609 |
| Surr: 2-Fluorobiphenyl | * | 39.3-126 | | **56.5** | %REC | 1 | 04/28/2026 21:31 | 255609 |
| Surr: 2-Fluorophenol | * | 1-135 | | **43.7** | %REC | 1 | 04/28/2026 21:31 | 255609 |
| Surr: Nitrobenzene-d5 | * | 45-133 | | **59.9** | %REC | 1 | 04/28/2026 21:31 | 255609 |
| Surr: Phenol-d5 | * | 1-73.7 | | **32.0** | %REC | 1 | 04/28/2026 21:31 | 255609 |
| Surr: p-Terphenyl-d14 | * | 46.2-128 | | **74.4** | %REC | 1 | 04/28/2026 21:31 | 255609 |
| **SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (TOTAL)** | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | NELAP | 6.0 | | **ND** | µg/L | 1 | 04/29/2026 15:17 | 255726 |
| Bis(chloromethyl)ether | * | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 15:17 | 255726 |
| Butyl benzyl phthalate | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 15:17 | 255726 |
| Diethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 15:17 | 255726 |
| Dimethyl phthalate | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 15:17 | 255726 |
| Di-n-butyl phthalate | NELAP | 10.0 | | **15.3** | µg/L | 1 | 04/29/2026 15:17 | 255726 |
| Isophorone | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 15:17 | 255726 |
| m,p-Cresol | NELAP | 10.0 | | **ND** | µg/L | 1 | 04/29/2026 15:17 | 255726 |
| Parathion | NELAP | 5.0 | | **ND** | µg/L | 1 | 04/29/2026 15:17 | 255726 |
| Surr: 2,4,6-Tribromophenol | * | 29-129 | | **57.1** | %REC | 1 | 04/29/2026 15:17 | 255726 |
| Surr: 2-Fluorobiphenyl | * | 30.1-112 | | **47.7** | %REC | 1 | 04/29/2026 15:17 | 255726 |
| Surr: 2-Fluorophenol | * | 18.7-95.3 | | **39.4** | %REC | 1 | 04/29/2026 15:17 | 255726 |
| Surr: Nitrobenzene-d5 | * | 23.6-113 | | **43.0** | %REC | 1 | 04/29/2026 15:17 | 255726 |
| Surr: Phenol-d5 | * | 15.9-72.2 | | **31.6** | %REC | 1 | 04/29/2026 15:17 | 255726 |
| Surr: p-Terphenyl-d14 | * | 17.9-114 | | **48.4** | %REC | 1 | 04/29/2026 15:17 | 255726 |
| **SW-846 8011, DBCP & EDB BY GC/ECD** | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | * | 0.05 | | **ND** | µg/L | 1 | 04/24/2026 10:20 | 255511 |
| 1,2-Dibromoethane | * | 0.05 | | **ND** | µg/L | 1 | 04/24/2026 10:20 | 255511 |
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 1,1,1-Trichloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 1,1,2,2-Tetrachloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 1,1,2-Trichloroethane | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 1,1-Dichloroethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 1,1-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 1,2,3-Trichlorobenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 1,2,3-Trichloropropane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-012 **Client Sample ID:** DUPLICATE

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:31

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,2,4-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 1,2-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 1,2-Dichloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 1,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 1,3,5-Trimethylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 1,3-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 1,3-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 1,4-Dichlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 2,2-Dichloropropane | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 2-Butanone | NELAP | 5.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 2-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 2-Hexanone | NELAP | 10.0 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 4-Chlorotoluene | NELAP | 1.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 4-Methyl-2-pentanone | NELAP | 5.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Acetone | NELAP | 5.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Acrolein | NELAP | 5.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Acrylonitrile | NELAP | 5.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Benzene | NELAP | 0.50 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Bromobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Bromochloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Bromodichloromethane | NELAP | 1.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Bromoform | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Bromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Carbon disulfide | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Carbon tetrachloride | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Chlorobenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Chloroethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Chloroform | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Chloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| cis-1,2-Dichloroethene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| cis-1,3-Dichloropropene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Dibromochloromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Dibromomethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Dichlorodifluoromethane | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Ethylbenzene | NELAP | 1.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Hexachlorobutadiene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Iodomethane | NELAP | 3.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Isopropylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| m,p-Xylenes | NELAP | 1.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Methylene chloride | NELAP | 2.00 | B | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Naphthalene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| n-Butylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| n-Propylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| o-Xylene | NELAP | 1.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| p-Isopropyltoluene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| sec-Butylbenzene | NELAP | 2.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Styrene | NELAP | 1.00 | | ND | µg/L | 1 | 04/30/2026 13:30 | 255891 |

**Client:** City Water, Light & Power **Work Order:** 26041297

**Client Project:** Landfill Monitoring Wells G1-G2-G3 **Report Date:** 26-May-26

**Lab ID:** 26041297-012 **Client Sample ID:** DUPLICATE

**Matrix:** GROUNDWATER **Collection Date:** 04/22/2026 11:31

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| tert-Butylbenzene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Tetrachloroethene | NELAP | 0.50 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Tetrahydrofuran | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Toluene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| trans-1,2-Dichloroethene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| trans-1,3-Dichloropropene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| trans-1,4-Dichloro-2-butene | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Trichloroethene | NELAP | 1.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Trichlorofluoromethane | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Vinyl acetate | NELAP | 5.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Vinyl chloride | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Xylenes, Total | NELAP | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| 1,3-Dichloropropene, Total | * | 2.00 | | **ND** | µg/L | 1 | 04/30/2026 13:30 | 255891 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | | **94.2** | %REC | 1 | 04/30/2026 13:30 | 255891 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | **100.3** | %REC | 1 | 04/30/2026 13:30 | 255891 |
| Surr: Dibromofluoromethane | * | 80-120 | | **98.7** | %REC | 1 | 04/30/2026 13:30 | 255891 |
| Surr: Toluene-d8 | * | 80-120 | | **97.6** | %REC | 1 | 04/30/2026 13:30 | 255891 |

*Contamination present in the MBLK for Methylene chloride. Sample results below the reporting limit are reportable per the TNI Standard.*

*Allowable Marginal Exceedance of Tetrachloroethene in the laboratory control sample is verified per the TNI Standard.*

# Receiving Check List

http://www.teklabinc.com/

**Client:** City Water, Light & Power
**Work Order:** 26041297
**Client Project:** Landfill Monitoring Wells G1-G2-G3
**Report Date:** 26-May-26

**Carrier:** Payton Yoch
**Received By:** LEH

**Completed by:** Laura E Henson
**On:** 22-Apr-26

**Reviewed by:** Allison Simpson
**On:** 23-Apr-26

**Pages to follow:** Chain of custody 3 Extra pages included 18

| | | | | | |
|---|---|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ | Temp °C | 15.4 |
| Type of thermal preservation? | None ☐ | Ice ☑ | Blue Ice ☐ | Dry Ice | ☐ |
| Chain of custody present? | Yes ☑ | No ☐ | | | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | | | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | | | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | | | |
| Sample containers intact? | Yes ☑ | No ☐ | | | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | | | |
| All samples received within holding time? | Yes ☑ | No ☐ | | | |
| Reported field parameters measured: | Field ☑ | Lab ☐ | NA ☐ | | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | | | |

*When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.*

| | | | |
|---|---|---|---|
| Water – at least one vial per sample has zero headspace? | Yes ☑ | No ☐ | No VOA vials ☐ |
| Water - TOX containers have zero headspace? | Yes ☐ | No ☐ | No TOX containers ☑ |
| Water - pH acceptable upon receipt? | Yes ☐ | No ☑ | NA ☐ |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes ☐ | No ☑ | NA ☐ |

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

Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. - lhenson - 4/22/2026 4:31:53 PM

pH strip #104524/98858. -JD/ lhenson - 4/22/2026 4:31:56 PM

Samples submitted for total cyanide analysis for CWA/NPDES reporting were checked for interferences upon arrival at the laboratory. Lead Acetate strip #109495. -JD/ lhenson - 4/22/2026 4:32:00 PM

Additional sulfuric acid (108020) was needed for DUP upon arrival at the laboratory. - JD/lhenson - 4/22/2026 4:32:02 PM

Additional cooler temperatures: 10.2C, 8.4C, 10.4C, 13.6C. LTG#9. LH 4/22/26

Samples were received on 4/23/26 at 1304 on ice [temp12.6C, 11.2C, 18.4C - LTG#9]. Ph# 104524/98858. No headspace. No Sulfide/No Chlorine(109495) Added sodium hydroxide (109798) to G113. Received Dup 500ml unpreserved collected on 4/23/26 at 1017. Added as sample - 013. AMD - JD/lhenson - 4/23/2026 2:26:40 PM

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# CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 26041297

TEKLAB INC, 120 United Drive, Collinsville, IL 62234 Phone (618) 344-1004

12.6, 11.2

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE 18.4 °C 9
Preserved in: ☒ LAB ☐ FIELD
FOR LAB USE ONLY
LAB NOTES: PH 104584 98858 Ø HS
Ø Sul BCL (109495)
Added NaOH (169798) G113 SD 4/23/26

Client Comments: Dup- received 500ml unp. collected 4/23/26 10:17. Added Cd 203 DM 4/23/26
Quarter 2 (even number years) G110 MS/MSD volume for SV; R11 MS/MSD volume for O&G, CN and VOC *elevations, pH, conductivity, temperature
**As B Cd Cr Pb Mg Hg Zn
***Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Hg Ni K Se Ag Na Tl V Zn

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

**PROJECT NAME/NUMBER**
Landfill Monitoring Wells G1-G2-G3

**SAMPLE COLLECTOR'S NAME**
Justin Colp

**RESULTS REQUESTED**
☐ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other ☐ 3 Day (50% Surcharge)

**BILLING INSTRUCTIONS**

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers: UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | INDICATE ANALYSIS REQUESTED: Field parameters* | Cl SO4 TDS (D) | Metals (D)** | Cyanide O&G OOH | Nitrate (D) | Ammonia (D) | Metals (T)*** | BOD Cl F SO4 (T) | NH3 COD TOC | Nitrate (T) | VOC Pest-PCB | SVOC-PSIMS | Herbicides | Endothall EDB-DBCP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26041297-001 | R101 | | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 002 | G110 | 4-23 959 | Groundwater | 17 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 003 | R111 | | Groundwater | 9 | 2 | 1 | 7 | 6 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 004 | G112 | 4-23 1104 | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 005 | G113 | 4-23 1017 | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 006 | G120 | | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 007 | G121 | | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 008 | G122 | | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 009 | AW-1 | 4-23 1002 | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 010 | AW-2 | | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 011 | RW-3 | | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| J. Colp | 4-23-26 1304 | | 4/23/26 13:04 |
| | | | |
| | | | |
| | | | |
| | | | |

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

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# CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 26041297

TEKLAB INC, 120 United Drive, Collinsville, IL 62234 Phone (618) 344-1004

102, 8.4, 10.4, 13.6

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☑ ICE ☐ BLUE ICE ☐ NO ICE 15.4 °C 9
Preserved in: ☒ LAB ☐ FIELD PH 104524 98858 FOR LAB USE ONLY
LAB NOTES: Ø Sul CL present R101 (109495) Ø HS
Added H2SO4 (108620) 1/2 125 Amber Dup

Client Comments: JD 4/22/26
Quarter 2 (even number years) G110 MS/MSD volume for SV; R11 MS/MSD volume for O&G, CN and VOC *elevations, pH, conductivity, temperature
**As B Cd Cr Pb Mg Hg Zn
***Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Hg Ni K Se Ag Na Tl V Zn

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

**PROJECT NAME/NUMBER**: Landfill Monitoring Wells G1-G2-G3

**SAMPLE COLLECTOR'S NAME**: Justin Colp

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

**BILLING INSTRUCTIONS**

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers: UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | INDICATE ANALYSIS REQUESTED: Field parameters* | Cl SO4 TDS (D) | Metals (D)** | Cyanide O&G OOH | Nitrate (D) | Ammonia (D) | Metals (T)*** | BOD Cl F SO4 (T) | NH3 COD TOC | Nitrate (T) | VOC Pest-PCB | SVOC-PSIMS | Herbicides | Endothall EDB-DBCP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26041297-001 | R101 | 4-22 1207 | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 002 | G110 | | Groundwater | 17 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 003 | R111 | 4-22 1131 | Groundwater | 9 | 2 | 1 | 7 | 6 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 004 | G112 | | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 005 | G113 | | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 006 | G120 | 4-22 1023 | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 007 | G121 | 4-22 1125 | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 008 | G122 | 4-22 1221 | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 009 | AW-1 | | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 010 | AW-2 | 4-22 1019 | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 011 | RW-3 | 4-22 1107 | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| | 4/22/26 1457 | | 4/22/26 1457 |
| | | | |
| | | | |
| | | | |
| | | | |

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

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# CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 26041297

TEKLAB INC, 120 United Drive, Collinsville, IL 62234 Phone (618) 344-1004

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

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

**Client Comments:**
Quarter 2 (even number years)
*elevations, pH, conductivity, temperature
**As B Cd Cr Pb Mg Hg Zn
***Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Hg Ni K Se Ag Na Tl V Zn

**PROJECT NAME/NUMBER**
Landfill Monitoring Wells G1-G2-G3

**SAMPLE COLLECTOR'S NAME**
Justin Colp

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

**BILLING INSTRUCTIONS**

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers: UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | INDICATE ANALYSIS REQUESTED: Field parameters* | Cl SO4 TDS (D) | Metals (D)** | Cyanide O&G OOH | Nitrate (D) | Ammonia (D) | Metals (T)*** | BOD Cl F SO4 (T) | NH3 COD TOC | Nitrate (T) | VOC Pest-PCB | SVOC-PSIMS | Herbicides | Endothall EDB-DBCP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26041297-012 | DUPLICATE | 4-22 1131 | Groundwater | 9 | 2 | 1 | 5 | 3 | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| | | | Groundwater | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | | | | | | | | | |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| | 4/22/26 1457 | | 4/22/26 1457 |

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

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Landfill Monitoring Wells | **Monitoring Point:** | R101 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 001 |
| **W.O. Number (s):** | 26041297 | **Date (s):** | 4/22/2026 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 74 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | | Locks | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | Protective Casing | X | |
| Casing | Good | Well | | X |
| Protective Casing | Good | | | |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 4/22/26 11:43 AM

Static Water Level: 6.83 feet below TOC

Total Depth: 35.27 feet below TOC

Water Column: 28.44 feet

**Purging Activities**

Purged By: DC Purge Date: 4/22/2026

Purge Method: Low Flow Well Diameter: 2"

Purge Volume Calculation (L): 28.44 ft. x 0.022 = 0.63 L x 3 Vol. = 1.89 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Slightly cloudy Odor: Slight Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 11:43 | 0.0 | 250 | purge start time | | | | | | |
| 11:55 | 3.0 | ↓ | 7.21 | 1,085.80 | 16.97 | 1.06 | -34.00 | 11.45 | |
| 11:58 | 3.8 | | 7.21 | 1,086.20 | 16.94 | 0.95 | -37.00 | 11.91 | |
| 12:01 | 4.5 | | 7.21 | 1,085.40 | 16.67 | 0.86 | -39.80 | 12.29 | |
| 12:04 | 5.3 | | 7.21 | 1,084.90 | 16.56 | 0.82 | -42.00 | 12.45 | |
| 12:07 | 6.0 | | 7.21 | 1,085.30 | 16.23 | 0.80 | -44.20 | 13.16 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 4/22/2026 12:07

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 7.21 pH 1,085.30 Spec. Cond. 16.23 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 7.00 feet below TOC Drawdown: 0.17 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 51215

**Form Completed By:** Brett Gillihan **Date:** 4/22/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Landfill Monitoring Wells | **Monitoring Point:** | G110 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 002 |
| **W.O. Number (s):** | 26041297 | **Date (s):** | 4/23/2026 |

**Field Team Members**

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Payton Yoch — Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 69 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | | | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | **Locks** | | |
| Casing | Good | Protective Casing | | X |
| Protective Casing | Good | Well | | X |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 4/23/26 9:31 AM

Static Water Level: 24.71 feet below TOC

Total Depth: 57.15 feet below TOC

Water Column: 32.44 feet

**Purging Activities**

Purged By: JC — Purge Date: 4/23/2026

Purge Method: Low Flow — Well Diameter: 2"

Purge Volume Calculation (L): 32.44 ft. x 0.022 = 0.71 L x 3 Vol. = 2.13 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 9:31 | 0.0 | 214 | purge start time | | | | | | |
| 9:35 | 0.9 | ↓ | 6.59 | 571.90 | 16.87 | 1.93 | -49.00 | 10.05 | |
| 9:38 | 1.5 | | 6.62 | 569.10 | 16.97 | 1.85 | -73.50 | 8.38 | |
| 9:41 | 2.1 | | 6.63 | 566.00 | 16.89 | 1.63 | -83.60 | 6.70 | |
| 9:44 | 2.8 | | 6.64 | 561.90 | 16.76 | 1.41 | -89.30 | 5.74 | |
| 9:47 | 3.4 | | 6.65 | 557.50 | 16.02 | 1.05 | -92.80 | 7.01 | |
| 9:50 | 4.1 | | 6.67 | 553.80 | 15.98 | 0.91 | -96.30 | 24.88 | |
| 9:53 | 4.7 | | 6.68 | 552.00 | 16.10 | 0.86 | -99.20 | 95.73 | |
| 9:56 | 5.4 | | 6.68 | 550.50 | 16.88 | 0.99 | -101.40 | 49.37 | |
| 9:59 | 6.0 | | 6.68 | 553.30 | 16.81 | 1.03 | -102.60 | 40.08 | |

**Sampling Activities**

Sampled By: JC — Sample Date/Time: 4/23/2026 9:59

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.68 pH — 553.30 Spec. Cond. — 16.81 Temp

Field Filtered: Yes — Filter Type: Inline Disposable

Water Level: 24.85 feet below TOC — Drawdown: 0.14 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223357

**Form Completed By:** Justin Colp — **Date:** 4/22/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Landfill Monitoring Wells | **Monitoring Point:** | R111 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 003 |
| **W.O. Number (s):** | 26041297 | **Date (s):** | 4/22/2026 |

**Field Team Members**

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Payton Yoch Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 71 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 4/22/26 10:57 AM

Static Water Level: 25.22 feet below TOC

Total Depth: 55.75 feet below TOC

Water Column: 30.53 feet

**Purging Activities**

Purged By: JC Purge Date: 4/22/2026

Purge Method: Low Flow Well Diameter: 2"

Purge Volume Calculation (L): 30.53 ft. x 0.022 = 0.67 L x 3 Vol. = 2.01 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Clear Odor: None Color: none

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 10:58 | 0.0 | 182 | purge start time | | | | | | |
| 11:04 | 1.1 | ↓ | 7.09 | 389.20 | 16.24 | 1.79 | -111.70 | 46.92 | |
| 11:07 | 1.6 | | 6.95 | 355.70 | 16.34 | 1.58 | -114.00 | 60.34 | |
| 11:10 | 2.2 | | 6.90 | 373.40 | 16.57 | 1.45 | -115.60 | 52.73 | |
| 11:13 | 2.7 | | 6.85 | 433.00 | 16.54 | 1.35 | -117.10 | 45.39 | |
| 11:16 | 3.3 | | 6.83 | 482.70 | 16.66 | 1.27 | -118.70 | 37.15 | |
| 11:19 | 3.8 | | 6.80 | 664.60 | 16.52 | 1.22 | -118.70 | 33.15 | |
| 11:22 | 4.4 | | 6.80 | 793.90 | 16.75 | 1.19 | -120.30 | 32.24 | |
| 11:25 | 4.9 | | 6.81 | 862.40 | 16.59 | 1.17 | -121.40 | 25.12 | |
| 11:28 | 5.5 | | 6.81 | 876.40 | 16.82 | 1.16 | -122.00 | 16.89 | |
| 11:31 | 6.0 | | 6.81 | 888.20 | 17.00 | 1.16 | -122.40 | 18.00 | |

**Sampling Activities**

Sampled By: JC Sample Date/Time: 4/22/2026 11:31

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.81 pH 888.20 Spec. Cond. 17.00 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 25.28 feet below TOC Drawdown: 0.06 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223357
- Duplicate Collected

**Form Completed By:** Justin Colp **Date:** 4/22/2026

# Field Data Sheet

**Project Name:** Landfill Monitoring Wells
**Project Location:** Springfield, IL
**W.O. Number (s):** 26041297
**Monitoring Point:** G112
**Sample ID:** 004
**Date (s):** 4/23/2026

**Field Team Members**

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Payton Yoch — Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 73 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| Locks | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 4/23/26 10:53 AM
Static Water Level: 27.87 feet below TOC
Total Depth: 58.81 feet below TOC
Water Column: 30.94 feet

**Purging Activities**

Purged By: JC — Purge Date: 4/23/2026
Purge Method: Low Flow — Well Diameter: 2"
Purge Volume Calculation (L): 30.94 ft. x 0.022 = 0.68 L x 3 Vol. = 2.04 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear — Odor: Moderate — Color: none

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 10:53 | 0.0 | 227 | purge start time | | | | | | |
| 10:55 | 0.5 | ↓ | 6.95 | 993.60 | 18.14 | 1.82 | -96.00 | 6.93 | |
| 10:58 | 1.1 | | 6.98 | 979.90 | 18.35 | 1.63 | -120.60 | 6.95 | |
| 11:01 | 1.8 | | 7.00 | 974.00 | 18.17 | 1.50 | -131.10 | 7.90 | |
| 11:04 | 2.5 | | 7.02 | 965.30 | 17.82 | 1.40 | -136.30 | 7.80 | |

**Sampling Activities**

Sampled By: JC — Sample Date/Time: 4/23/2026 11:04
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 7.02 pH — 965.30 Spec. Cond. — 17.82 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 28.56 feet below TOC — Drawdown: 0.69 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223357

**Form Completed By:** Justin Colp — **Date:** 4/23/2026

# Field Data Sheet

**Project Name:** Landfill Monitoring Wells
**Monitoring Point:** G113
**Project Location:** Springfield, IL
**Sample ID:** 005
**W.O. Number (s):** 26041297
**Date (s):** 4/23/2026

**Field Team Members**

Name: Allison Lampe Affiliation: TekLab, Inc.
Name: Drew Nieters Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 72 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| Locks | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 4/23/26 9:43 AM
Static Water Level: 4.55 feet below TOC
Total Depth: 12.60 feet below TOC
Water Column: 8.05 feet

**Purging Activities**

Purged By: AL Purge Date: 4/23/2026
Purge Method: Low Flow Well Diameter: 2"
Purge Volume Calculation (L): 8.05 ft. x 0.022 = 0.18 L x 3 Vol. = 0.54 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: Moderate Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 9:43 | 0.0 | 118 | purge start time | | | | | | |
| 9:59 | 1.9 | ↓ | 6.18 | 1,363.90 | 14.52 | 5.22 | -58.00 | 8.76 | |
| 10:02 | 2.2 | | 6.23 | 1,381.80 | 14.47 | 5.88 | -61.40 | 9.15 | |
| 10:05 | 2.6 | | 6.20 | 1,491.00 | 14.30 | 5.78 | -62.30 | 10.71 | |
| 10:08 | 2.9 | | 6.11 | 1,607.70 | 14.17 | 5.64 | -57.20 | 13.09 | |
| 10:11 | 3.3 | | 6.07 | 1,651.30 | 14.09 | 5.38 | -53.70 | 15.13 | |
| 10:14 | 3.6 | | 6.05 | 1,666.40 | 13.93 | 5.18 | -52.40 | 11.79 | |
| 10:17 | 4.0 | | 6.08 | 1,668.20 | 13.87 | 5.32 | -53.10 | 6.69 | |

**Sampling Activities**

Sampled By: DN Sample Date/Time: 4/23/2025 10:17
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.08 pH 1,668.20 Spec. Cond. 13.87 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 7.01 feet below TOC Drawdown: 2.46 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223337

**Form Completed By:** Allison Lampe Date: 4/23/2025

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Landfill Monitoring Wells | **Monitoring Point:** | G120 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 006 |
| **W.O. Number (s):** | 26041297 | **Date (s):** | 4/22/2026 |

**Field Team Members**

Name: Allison Lampe Affiliation: TekLab, Inc.

Name: Drew Nieters Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 71 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 4/22/26 9:55 AM

Static Water Level: 16.43 feet below TOC

Total Depth: 50.37 feet below TOC

Water Column: 33.94 feet

**Purging Activities**

Purged By: AL Purge Date: 4/22/2026

Purge Method: Low Flow Well Diameter: 2"

Purge Volume Calculation (L): 33.94 ft. x 0.022 = 0.75 L x 3 Vol. = 2.25 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 9:55 | 0.0 | 179 | purge start time | | | | | | |
| 10:14 | 3.4 | ↓ | 6.68 | 1,795.20 | 18.23 | 1.96 | -41.50 | 71.51 | |
| 10:17 | 3.9 | | 6.69 | 1,791.50 | 18.30 | 1.80 | -67.50 | 72.97 | |
| 10:20 | 4.5 | | 6.69 | 1,788.00 | 18.21 | 1.69 | -82.70 | 83.16 | |
| 10:23 | 5.0 | | 6.69 | 1,778.00 | 18.23 | 1.59 | -92.70 | 83.39 | |

**Sampling Activities**

Sampled By: DN Sample Date/Time: 4/22/2026 10:23

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.69 pH 1,778.00 Spec. Cond. 18.23 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 16.55 feet below TOC Drawdown: 0.12 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223337

**Form Completed By:** A Nieters **Date:** 4/22/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Landfill Monitoring Wells | **Monitoring Point:** | G121 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 007 |
| **W.O. Number (s):** | 26041297 | **Date (s):** | 4/22/2026 |

**Field Team Members**

Name: Allison Lampe Affiliation: TekLab, Inc.

Name: Drew Nieters Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 71 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | | | Locks | Yes | No |
|---|---|---|---|---|---|
| Well Pad | Good | | Protective Casing | X | |
| Casing | Good | | Well | | X |
| Protective Casing | Good | | | | |
| Reference Mark/Identification | Yes | | | | |

**Groundwater Level Measurements**

Date/Time Measured: 4/22/26 10:53 AM

Static Water Level: 28.33 feet below TOC

Total Depth: 58.56 feet below TOC

Water Column: 30.23 feet

**Purging Activities**

Purged By: DN Purge Date: 4/22/2026

Purge Method: Low Flow Well Diameter: 2"

Purge Volume Calculation (L): 30.23 ft. x 0.022 = 0.67 L x 3 Vol. = 2.01 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear Odor: None Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 10:55 | 0.0 | 167 | purge start time | | | | | | |
| 11:13 | 3.0 | ↓ | 6.87 | 1,396.60 | 16.47 | 1.94 | -95.30 | 31.00 | |
| 11:16 | 3.5 | | 6.86 | 1,395.00 | 16.51 | 1.80 | -100.70 | 37.45 | |
| 11:19 | 4.0 | | 6.84 | 1,395.90 | 16.48 | 1.70 | -104.40 | 47.01 | |
| 11:22 | 4.5 | | 6.82 | 1,395.20 | 16.62 | 1.61 | -108.10 | 53.26 | |
| 11:25 | 5.0 | | 6.82 | 1,396.00 | 16.45 | 1.54 | -111.90 | 57.03 | |

**Sampling Activities**

Sampled By: DN Sample Date/Time: 4/22/2026 11:25

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.82 pH 1,396.00 Spec. Cond. 16.45 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 28.61 feet below TOC Drawdown: 0.28 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223337

**Form Completed By:** Allison Lampe **Date:** 4/22/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Landfill Monitoring Wells | **Monitoring Point:** | G122 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 008 |
| **W.O. Number (s):** | 26041297 | **Date (s):** | 4/22/2026 |

**Field Team Members**

Name: Allison Lampe Affiliation: TekLab, Inc.

Name: Drew Nieters Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 71 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 4/22/26 12:07 PM

Static Water Level: 29.95 feet below TOC

Total Depth: 49.29 feet below TOC

Water Column: 19.34 feet

**Purging Activities**

Purged By: AL Purge Date: 4/22/2026

Purge Method: Low Flow Well Diameter: 2"

Purge Volume Calculation (L): 19.34 ft. x 0.022 = 0.43 L x 3 Vol. = 1.29 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 2.00 L

Physical appearance of purge water: Clear Odor: None Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 12:07 | 0.0 | 143 | purge start time | | | | | | |
| 12:15 | 1.1 | ↓ | 6.86 | 1,556.80 | 19.04 | 3.29 | -63.50 | 3.61 | |
| 12:18 | 1.6 | | 6.85 | 1,571.70 | 19.21 | 2.85 | -68.90 | 2.77 | |
| 12:21 | 2.0 | | 6.85 | 1,577.40 | 19.39 | 2.58 | -75.10 | 2.26 | |

**Sampling Activities**

Sampled By: DN Sample Date/Time: 4/22/2026 12:21

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.85 pH 1,577.40 Spec. Cond. 19.39 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 29.95 feet below TOC Drawdown: 0.00 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223337

**Form Completed By:** Allison Lampe Date: 4/22/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Landfill Monitoring Wells | **Monitoring Point:** | AW-1 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 009 |
| **W.O. Number (s):** | 26041297 | **Date (s):** | 4/23/2026 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 70 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 4/23/26 9:35 AM

Static Water Level: 14.96 feet below TOC

Total Depth: 54.81 feet below TOC

Water Column: 39.85 feet

**Purging Activities**

Purged By: DC Purge Date: 4/23/2026

Purge Method: Low Flow Well Diameter: 2"

Purge Volume Calculation (L): 39.85 ft. x 0.022 = 0.88 L x 3 Vol. = 2.64 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Cloudy Odor: None Color: Rust

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 9:35 | 0.0 | 222 | purge start time | | | | | | |
| 9:50 | 3.3 | ↓ | 6.73 | 1,286.30 | 17.53 | 2.28 | 67.80 | 91.07 | |
| 9:53 | 4.0 | | 6.73 | 1,284.30 | 17.48 | 2.25 | 69.40 | 103.83 | |
| 9:56 | 4.7 | | 6.72 | 1,283.60 | 17.50 | 2.17 | 70.60 | 86.58 | |
| 9:59 | 5.3 | | 6.72 | 1,284.50 | 17.64 | 2.04 | 71.40 | 63.80 | |
| 10:02 | 6.0 | | 6.72 | 1,285.20 | 17.54 | 2.05 | 72.00 | 62.71 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 4/23/2026 10:02

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.72 pH 1,285.20 Spec. Cond. 17.54 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 15.52 feet below TOC Drawdown: 0.56 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 51215

**Form Completed By:** Brett Gillihan **Date:** 4/23/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Landfill Monitoring Wells | **Monitoring Point:** | AW-2 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 010 |
| **W.O. Number (s):** | 26041297 | **Date (s):** | 4/22/2026 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 69 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | | Locks | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | Protective Casing | X | |
| Casing | Good | Well | | X |
| Protective Casing | Good | | | |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 4/22/26 9:56 AM

Static Water Level: 4.44 feet below TOC

Total Depth: 32.64 feet below TOC

Water Column: 28.20 feet

**Purging Activities**

Purged By: DC Purge Date: 4/22/2026

Purge Method: Low Flow Well Diameter: 2"

Purge Volume Calculation (L): 28.2 ft. x 0.022 = 0.62 L x 3 Vol. = 1.86 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 9:56 | 0.0 | 217 | purge start time | | | | | | |
| 10:07 | 2.4 | ↓ | 6.61 | 821.20 | 14.67 | 1.22 | -52.20 | 19.30 | |
| 10:10 | 3.0 | | 6.60 | 820.90 | 14.67 | 1.08 | -57.30 | 20.46 | |
| 10:13 | 3.7 | | 6.60 | 820.90 | 14.53 | 0.96 | -61.30 | 22.25 | |
| 10:16 | 4.3 | | 6.60 | 820.40 | 14.56 | 0.89 | -64.40 | 20.26 | |
| 10:19 | 5.0 | | 6.61 | 820.80 | 14.59 | 0.84 | -66.10 | 19.69 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 4/22/2026 10:19

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.61 pH 820.80 Spec. Cond. 14.59 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 6.34 feet below TOC Drawdown: 1.90 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 51215

**Form Completed By:** Brett Gillihan **Date:** 4/22/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Landfill Monitoring Wells | **Monitoring Point:** | RW-3 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 011 |
| **W.O. Number (s):** | 26041297 | **Date (s):** | 4/22/2026 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 71 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | | | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | **Locks** | | |
| Casing | Good | Protective Casing | X | |
| Protective Casing | Good | Well | | X |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 4/22/26 10:47 AM

Static Water Level: 9.98 feet below TOC

Total Depth: 44.01 feet below TOC

Water Column: 34.03 feet

**Purging Activities**

Purged By: DC Purge Date: 4/22/2026

Purge Method: Low Flow Well Diameter: 2"

Purge Volume Calculation (L): 34.03 ft. x 0.022 = 0.75 L x 3 Vol. = 2.25 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 10:47 | 0.0 | 250 | purge start time | | | | | | |
| 10:55 | 2.0 | ↓ | 7.04 | 646.80 | 14.24 | 1.23 | -54.00 | 5.91 | |
| 10:58 | 2.8 | | 7.02 | 645.20 | 14.21 | 1.12 | -59.10 | 7.09 | |
| 11:01 | 3.5 | | 7.00 | 646.20 | 14.37 | 1.06 | -63.70 | 9.19 | |
| 11:04 | 4.3 | | 6.98 | 647.90 | 14.30 | 1.01 | -69.40 | 9.09 | |
| 11:07 | 5.0 | | 6.97 | 649.70 | 14.37 | 0.97 | -75.60 | 13.19 | |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 4/22/2026 11:07

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 6.97 pH 649.70 Spec. Cond. 14.37 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 10.56 feet below TOC Drawdown: 0.58 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 51215

**Form Completed By:** Brett Gillihan **Date:** 4/22/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | Landfill Monitoring Wells | **Monitoring Point:** | Duplicate |
| **Project Location:** | Springfield, IL | **Sample ID:** | 012 |
| **W.O. Number (s):** | 26041297 | **Date (s):** | 4/22/2026 |

**Field Team Members**

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Payton Yoch Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 71 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | | | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | **Locks** | | |
| Casing | Good | Protective Casing | | X |
| Protective Casing | Good | Well | | X |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 4/22/26 10:57 AM

Static Water Level: 25.22 feet below TOC

Total Depth: 55.75 feet below TOC

Water Column: 30.53 feet

**Purging Activities**

Purged By: JC Purge Date: 4/22/2026

Purge Method: Low Flow Well Diameter: 2"

Purge Volume Calculation (L): 30.53 ft. x 0.022 = 0.67 L x 3 Vol. = 2.01 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Clear Odor: None Color: none

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Other |
|---|---|---|---|---|---|---|---|---|---|
| 10:58 | 0.0 | 182 | purge start time | | | | | | |
| 11:04 | 1.1 | ↓ | 7.09 | 389.20 | 16.24 | 1.79 | -111.70 | 46.92 | |
| 11:07 | 1.6 | | 6.95 | 355.70 | 16.34 | 1.58 | -114.00 | 60.34 | |
| 11:10 | 2.2 | | 6.90 | 373.40 | 16.57 | 1.45 | -115.60 | 52.73 | |
| 11:13 | 2.7 | | 6.85 | 433.00 | 16.54 | 1.35 | -117.10 | 45.39 | |
| 11:16 | 3.3 | | 6.83 | 482.70 | 16.66 | 1.27 | -118.70 | 37.15 | |
| 11:19 | 3.8 | | 6.80 | 664.60 | 16.52 | 1.22 | -118.70 | 33.15 | |
| 11:22 | 4.4 | | 6.80 | 793.90 | 16.75 | 1.19 | -120.30 | 32.24 | |
| 11:25 | 4.9 | | 6.81 | 862.40 | 16.59 | 1.17 | -121.40 | 25.12 | |
| 11:28 | 5.5 | | 6.81 | 876.40 | 16.82 | 1.16 | -122.00 | 16.89 | |
| 11:31 | 6.0 | | 6.81 | 888.20 | 17.00 | 1.16 | -122.40 | 18.00 | |

**Sampling Activities**

Sampled By: JC Sample Date/Time: 4/22/2026 11:31

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.81 pH 888.20 Spec. Cond. 17.00 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 25.28 feet below TOC Drawdown: 0.06 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223357
- QA/QC Sample. Collected at R111

**Form Completed By:** Justin Colp **Date:** 4/22/2026

**Site Samping Event:** LF Mon. Wells
**LIMS Workorder:** 26041297
**Technician(s):** DC, JC, BG, AL, DN, PY

**Field Calibration Log(s)**
**CWLP- 2Q 2026**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 223357 Technician(s): justin colp Date: 4/21/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC260306A | 4.00 | 122.30 | 4/21/26 8:59 |
| 7.0 Buffer | WC251017B | 7.00 | -45.80 | 4/21/26 8:55 |
| 10.0 Buffer | WC251017C | 10.00 | -213.30 | 4/21/26 9:02 |
| LCS/CCV (7.0 Buffer) | WC251017D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1412 | 4/21/26 9:08 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.96 | 4/21/26 9:09 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-1-JC | LCS | 4/21/26 9:14 | 18.2 | 7.03 | 1,401 | 0.88 | | |
| CCV-1-JC | CCV | 4/21/26 13:03 | 20.5 | 7.05 | 1,424 | 0.89 | | |

**Comments:**

Field Meter ID: Pine 223357 Technician(s): justin colp Date: 4/22/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.00 | 121.80 | 4/22/26 9:17 |
| 7.0 Buffer | WC251017B | 7.00 | -46.80 | 4/22/26 9:15 |
| 10.0 Buffer | WC251017C | 10.00 | -213.10 | 4/22/26 9:21 |
| LCS/CCV (7.0 Buffer) | WC251017D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1412 | 4/22/26 9:24 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.93 | 4/22/26 9:26 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-2-JC | LCS | 4/22/26 9:28 | 20.8 | 7.01 | 1,414 | 0.95 | | |
| CCV-2-JC | CCV | 4/22/26 12:57 | 23.4 | 7.04 | 1,393 | 0.93 | | |

**Comments:**

**Site Samping Event:** LF Mon. Wells
**LIMS Workorder:** 26041297
**Technician(s):** DC, JC, BG, AL, DN, PY

**Field Calibration Log(s)**
**CWLP- 2Q 2026**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 223357 Technician(s): justin colp Date: 4/23/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.00 | 118.80 | 4/23/26 9:08 |
| 7.0 Buffer | WC251017B | 7.00 | -49.00 | 4/23/26 9:05 |
| 10.0 Buffer | WC251017C | 10.00 | -213.60 | 4/23/26 9:12 |
| LCS/CCV (7.0 Buffer) | WC251017D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1412 | 4/23/26 9:17 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.94 | 4/23/26 9:18 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-3-JC | LCS | 4/23/26 9:19 | 20.3 | 7.03 | 1,407 | 0.87 | | |
| CCV-3-JC | CCV | 4/23/26 11:07 | 21.1 | 7.01 | 1,371 | 0.95 | | |

**Comments:**

**Site Samping Event:** LF Mon. Wells
**LIMS Workorder:** 26041297
**Technician(s):** DC, JC, BG, AL, DN, PY

**Field Calibration Log(s)**
**CWLP- 2Q 2026**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 51295 Technician(s): Brett Gillihan Date: 4/21/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC260306A | 4.00 | 129.40 | 4/21/26 8:55 |
| 7.0 Buffer | WC251017B | 7.00 | -41.00 | 4/21/26 8:52 |
| 10.0 Buffer | WC251017C | 10.00 | -200.30 | 4/21/26 9:01 |
| LCS/CCV (7.0 Buffer) | WC251017D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1411 | 4/21/26 9:07 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.32 | 4/21/26 9:10 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-1-BG | LCS | 4/21/26 9:13 | 14.9 | 6.98 | 1,415 | 0.37 | | |
| CCV-1-BG | CCV | 4/21/26 13:05 | 17.4 | 6.99 | 1,419 | 0.41 | | |

**Comments:**

Field Meter ID: Pine 51215 Technician(s): Brett Gillihan Date: 4/22/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.00 | 123.90 | 4/22/26 9:34 |
| 7.0 Buffer | WC251017B | 7.00 | -39.70 | 4/22/26 9:31 |
| 10.0 Buffer | WC251017C | 10.00 | 139.20 | 1/0/00 0:00 |
| LCS/CCV (7.0 Buffer) | WC251017D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1416 | 4/22/26 9:39 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.41 | 4/22/26 9:42 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-2-BG | LCS | 4/22/26 9:44 | 19.1 | 6.99 | 1,416 | 0.42 | | |
| CCV-2-BG | CCV | 4/22/26 13:11 | 19.7 | 7.00 | 1,415 | 0.44 | | |

**Comments:**

**Site Samping Event:** LF Mon. Wells
**LIMS Workorder:** 26041297
**Technician(s):** DC, JC, BG, AL, DN, PY

**Field Calibration Log(s)**
**CWLP- 2Q 2026**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 51215 Technician(s): Brett Gillihan Date: 4/23/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.00 | 125.40 | 4/23/26 9:08 |
| 7.0 Buffer | WC251017B | 7.00 | -37.20 | 4/23/26 9:01 |
| 10.0 Buffer | WC251017C | 10.00 | -193.40 | 4/23/26 9:10 |
| LCS/CCV (7.0 Buffer) | WC251017D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1412 | 4/23/26 9:17 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.36 | 4/23/26 9:21 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-3-BG | LCS | 4/23/26 9:22 | 19.5 | 6.99 | 1,415 | 0.38 | | |
| CCV-3-BG | CCV | 4/23/26 12:48 | 19.8 | 7.01 | 1,420 | 0.42 | | |

**Comments:**

**Site Samping Event:** LF Mon. Wells
**LIMS Workorder:** 26041297
**Technician(s):** DC, JC, BG, AL, DN, PY

**Field Calibration Log(s)**
**CWLP- 2Q 2026**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 223337 Technician(s): A.Lampe Date: 4/21/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC260306A | 4.00 | 148.70 | 4/21/26 9:09 |
| 7.0 Buffer | WC251017B | 7.00 | -26.00 | 4/21/26 9:12 |
| 10.0 Buffer | WC251017C | 10.00 | -196.20 | 4/21/26 9:17 |
| LCS/CCV (7.0 Buffer) | WC251017D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1412 | 4/21/26 9:18 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.67 | 4/21/26 9:22 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-1-AL | LCS | 4/21/26 9:23 | 18.8 | 7.07 | 1,414 | 0.67 | | |
| CCV-1-AL | CCV | 4/21/26 13:10 | 19 | 7.08 | 1,374 | 0.78 | | |

**Comments:**

Field Meter ID: Pine 23337 Technician(s): A.Lampe Date: 4/22/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.00 | 148.80 | 4/22/26 9:27 |
| 7.0 Buffer | WC251017B | 7.00 | -27.60 | 4/22/26 9:29 |
| 10.0 Buffer | WC251017C | 10.00 | -196.90 | 4/22/26 9:31 |
| LCS/CCV (7.0 Buffer) | WC251017D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1412 | 4/22/26 9:34 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.78 | 4/22/26 9:36 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-2-AL | LCS | 4/22/26 9:40 | 19.07 | 7.05 | 1,407 | 0.78 | | |
| CCV-2-AL | CCV | 4/22/26 12:42 | 19.8 | 7.01 | 1,367 | 0.96 | | |

**Comments:**

**Site Samping Event:** LF Mon. Wells
**LIMS Workorder:** 26041297
**Technician(s):** DC, JC, BG, AL, DN, PY

**Field Calibration Log(s)**
**CWLP- 2Q 2026**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 23337 Technician(s): A.Lampe Date: 4/23/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC251017A | 4.00 | 149.60 | 4/23/26 9:25 |
| 7.0 Buffer | WC251017B | 7.00 | -27.60 | 4/23/26 9:27 |
| 10.0 Buffer | WC251017C | 10.00 | -197.50 | 4/23/26 9:29 |
| LCS/CCV (7.0 Buffer) | WC251017D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1412 | 4/23/26 9:31 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.45 | 4/23/26 9:32 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-3-AL | LCS | 4/23/26 9:34 | 19.1 | 7.08 | 1,406 | 0.45 | | |
| CCV-3-AL | CCV | 4/23/26 11:13 | 20.8 | 7.07 | 1,384 | 0.87 | | |

**Comments:**

July 08, 2026

Eric Staley
City Water, Light & Power
3100 Stevenson Drive
2nd Floor Maintenance Building
Springfield, IL 62712
TEL: (217) 757-8610
FAX: (217) 757-8615

| | |
|---|---|
| Illinois | 100467 |
| Kansas | E-10374 |
| Kansas | E-10438 |
| Louisiana | 05002 |
| Oklahoma | 9978 |

**RE:** Ash Pond Monitoring Wells **WorkOrder:** 26060602

Dear Eric Staley:

TEKLAB, INC received 1 sample on 6/18/2026 1:42:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004
SHennessy@teklabinc.com

# Report Contents



**Client:** City Water, Light & Power
**Client Project:** Ash Pond Monitoring Wells

**Work Order:** 26060602
**Report Date:** 08-Jul-26

**This reporting package includes the following:**


| | |
|---|---|
| Cover Letter | 1 |
| Report Contents | 2 |
| Definitions | 3 |
| Case Narrative | 5 |
| Accreditations | 6 |
| Laboratory Results | 7 |
| Receiving Check List | 8 |
| Chain of Custody | Appended |

**Client:** City Water, Light & Power **Work Order:** 26060602

**Client Project:** Ash Pond Monitoring Wells **Report Date:** 08-Jul-26

## Abbr Definition

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

**Client:** City Water, Light & Power
**Work Order:** 26060602

**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 08-Jul-26

## Qualifiers

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

# Case Narrative

http://www.teklabinc.com/

**Client:** City Water, Light & Power
**Client Project:** Ash Pond Monitoring Wells

**Work Order:** 26060602
**Report Date:** 08-Jul-26

**Cooler Receipt Temp:** 18.7 °C

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

Radium-226 & -228 analysis was performed by Alliance Technical Group. See attached report for results.

## Locations


### Collinsville

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

### Collinsville

**Address** 120 United Drive
Collinsville, IL 62234-7433
**Phone** (618) 344-1004
**Fax**
**Email** jhriley@teklabinc.com

### Springfield

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

### Kansas City

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

### Collinsville Air

**Address** 120 United Drive
Collinsville, IL 62234-7425
**Phone** (618) 344-1004
**Fax** (618) 344-1005
**Email** EHurley@teklabinc.com

### Chicago

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

**Client:** City Water, Light & Power

**Client Project:** Ash Pond Monitoring Wells

**Work Order:** 26060602

**Report Date:** 08-Jul-26

| State | Dept | Cert # | NELAP | Exp Date | Lab |
|---|---|---|---|---|---|
| Illinois | IEPA | 100467 | NELAP | 1/31/2027 | Collinsville |
| Kansas | KDHE | E-10438 | NELAP | 7/31/2026 | Collinsville |
| Kansas | KDHE | E-10374 | NELAP | 4/30/2027 | Collinsville |
| Louisiana | LDEQ | 05002 | NELAP | 6/30/2027 | Collinsville |
| Oklahoma | ODEQ | 9978 | NELAP | 12/31/2026 | Collinsville |
| Arkansas | ADEQ | 88-0966 | | 3/14/2027 | Collinsville |
| Illinois | IDPH | 17584 | | 5/31/2027 | Collinsville |
| Iowa | IDNR | 430 | | 6/1/2028 | Collinsville |
| Kansas | KDHE | E-92716 | | 1/31/2027 | Collinsville |
| Kentucky | KWLCP | KY98050 | | 12/31/2026 | Collinsville |
| Kentucky | KWLCP | KY98006 | | 12/31/2026 | Collinsville |
| Kentucky | UST | 0073 | | 1/31/2027 | Collinsville |
| Louisiana | LDEQ | 05003 | | 6/30/2026 | Collinsville |
| Mississippi | MSDH | | | 4/30/2026 | Collinsville |
| Missouri | MDNR | 00930 | | 10/31/2026 | Collinsville |
| Missouri | MDNR | 930 | | 1/31/2028 | Collinsville |

**Client:** City Water, Light & Power
**Work Order:** 26060602
**Client Project:** Ash Pond Monitoring Wells
**Report Date:** 08-Jul-26
**Lab ID:** 26060602-001
**Client Sample ID:** AP17
**Matrix:** GROUNDWATER
**Collection Date:** 06/18/2026 11:54

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **495.30** | ft | 1 | 06/18/2026 11:54 | R386232 |
| Depth to water | * | -5.00 | | **25.64** | ft | 1 | 06/18/2026 11:54 | R386232 |
| Depth to water from measuring point | * | 0 | | **27.95** | ft | 1 | 06/18/2026 11:54 | R386232 |
| Elevation of groundwater surface | * | 0 | | **527.66** | ft | 1 | 06/18/2026 11:54 | R386232 |
| Measuring Point Elevation | * | 0 | | **555.61** | ft | 1 | 06/18/2026 11:54 | R386232 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.31** | ft | 1 | 06/18/2026 11:54 | R386232 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **7.2** | NTU | 1 | 06/18/2026 11:54 | R386232 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **68.6** | °F | 1 | 06/18/2026 11:54 | R386232 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.83** | | 1 | 06/18/2026 11:54 | R386232 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **945** | µS/cm | 1 | 06/18/2026 11:54 | R386232 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **512** | mg/L | 1 | 06/22/2026 9:17 | R386246 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 06/20/2026 10:20 | R386144 |
| Chloride | NELAP | 5.00 | | **16.7** | mg/L | 10 | 06/20/2026 10:20 | R386144 |
| Sulfate | NELAP | 10.0 | | **ND** | mg/L | 10 | 06/20/2026 10:20 | R386144 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 2.5 | | **218** | µg/L | 1 | 06/19/2026 16:59 | 258454 |
| Beryllium | NELAP | 0.5 | | **< 0.5** | µg/L | 1 | 06/19/2026 16:59 | 258454 |
| Boron | NELAP | 20.0 | | **160** | µg/L | 1 | 06/19/2026 16:59 | 258454 |
| Cadmium | NELAP | 2.0 | | **< 2.0** | µg/L | 1 | 06/19/2026 16:59 | 258454 |
| Calcium | NELAP | 0.100 | | **103** | mg/L | 1 | 06/19/2026 16:59 | 258454 |
| Chromium | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 06/19/2026 16:59 | 258454 |
| Cobalt | NELAP | 5.0 | | **< 5.0** | µg/L | 1 | 06/19/2026 16:59 | 258454 |
| Lead | NELAP | 7.5 | | **< 7.5** | µg/L | 1 | 06/19/2026 16:59 | 258454 |
| Molybdenum | NELAP | 10.0 | | **< 10.0** | µg/L | 1 | 06/19/2026 16:59 | 258454 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 06/24/2026 13:00 | 258454 |
| Arsenic | NELAP | 1.0 | | **6.2** | µg/L | 5 | 06/24/2026 13:00 | 258454 |
| Lithium | * | 3.0 | | **7.9** | µg/L | 5 | 06/27/2026 16:02 | 258454 |
| Selenium | NELAP | 1.0 | | **< 1.0** | µg/L | 5 | 06/24/2026 13:00 | 258454 |
| Thallium | NELAP | 2.0 | | **< 2.0** | µg/L | 5 | 06/24/2026 13:00 | 258454 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.20 | | **< 0.20** | µg/L | 1 | 06/24/2026 11:36 | 258478 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Combined 226/228 Uncertainty | * | 0 | | **0.340** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 Uncertainty | * | 0 | | **0.070** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 07/01/2026 12:46 | R387012 |
| Radium-228 Uncertainty | * | 0 | | **0.270** | +/- | 1 | 07/01/2026 12:46 | R387012 |

# Receiving Check List

http://www.teklabinc.com/

**Client:** City Water, Light & Power
**Client Project:** Ash Pond Monitoring Wells

**Work Order:** 26060602
**Report Date:** 08-Jul-26

**Carrier:** Justin Colp

**Received By:** LEH

**Completed by:** Laura E Henson
**On:** 18-Jun-26

**Reviewed by:** Amber Dilallo
**On:** 18-Jun-26

**Pages to follow:** Chain of custody 1 Extra pages included 16

| | | | | | |
|---|---|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ | Temp °C | 18.7 |
| Type of thermal preservation? | None ☐ | Ice ☑ | Blue Ice ☐ | Dry Ice | ☐ |
| Chain of custody present? | Yes ☑ | No ☐ | | | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | | | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | | | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | | | |
| Sample containers intact? | Yes ☑ | No ☐ | | | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | | | |
| All samples received within holding time? | Yes ☑ | No ☐ | | | |
| Reported field parameters measured: | Field ☑ | Lab ☐ | NA ☐ | | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | | | |

*When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.*

| | | | |
|---|---|---|---|
| Water – at least one vial per sample has zero headspace? | Yes ☐ | No ☐ | No VOA vials ☑ |
| Water - TOX containers have zero headspace? | Yes ☐ | No ☐ | No TOX containers ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | NA ☐ |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes ☐ | No ☐ | NA ☑ |

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

pH strip #104524. -NO/ lhenson - 6/18/2026 2:08:05 PM

Drop off Location
☐ Downers Grove, IL ☐ Lenexa, KS
☐ Springfield, IL ☒ Collinsville, IL

# CHAIN OF CUSTODY

pg. 1 of 1 Work order # 26060602

**TEKLAB, INC. 120 United Drive - Collinsville, IL 62234 - Phone: (618) 344-1004**

| | | | |
|---|---|---|---|
| **Client** | City Water, Light & Power 1993 | | |
| **Address** | 3100 Stevenson Drive | | |
| | Springfield, IL 62712 | | |
| **Contact** | Eric Staley | **Phone** | (217) 757-8610 |
| **E-Mail** | eric.staley@cwlp.com | **Fax** | (217) 757-8615 |

**Samples on:** ☒ ICE ☐ BLUE ICE ☐ NO ICE 18.7 °C LTG# 9

**Preserved in:** ☐ LAB ☒ FIELD **FOR LAB USE ONLY**

**Lab Notes:** pH✓ 104524 No 6/18/26

**Client Comments** Report QC LVL:___

*elevations, pH, conductivity, temperature
**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Mo Hg

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☐ No
Are these samples known to be hazardous? If yes, include details of the hazard. ☐ Yes ☐ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☐ Yes ☐ No

**Project Name/Number:** Ash Pond Monitoring Wells

**Sample Collector's Name:** Justin Colp

**Results Requested** (call for PFAS TAT and surcharges)
☐ Standard ☐ 1-2 Day (100% Surcharge)
☐ Date ____ ☐ 3 Day (50% Surcharge)

**Billing/PO#**

| Lab Use Only | Sample Identification | Date/Time Sampled | # and Type of Containers: UNP | HNO3 | MATRIX: Groundwater | INDICATE ANALYSIS REQUESTED: Cl SO4 TDS F (T) | Field parameters* | Field Turbidity | Metals (T)** | Ra-226/228 Combined |
|---|---|---|---|---|---|---|---|---|---|---|
| 26060602-001 | AP17 | 6-18 1154 | 1 | 4 | X | X | X | X | X | X |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| J. Colp | 6-18-26 1342 | [signature] | 6/18/26 1342 |

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

BottleOrder 111911

F5A59781A2
92B2B6B585
FC027EF3C5
B0B0DF01D5
F5DE06D695

# Field Data Sheet

**Project Name:** Ash Pond Monitoring Wells
**Project Location:** Springfield IL
**W.O. Number (s):** 26060602
**Monitoring Point:** AP17
**Sample ID:** 001
**Date (s):** 6/18/2026

**Field Team Members**

Name: Allison Lampe Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 67 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| Locks | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 6/18/26 11:36 AM
Static Water Level: 27.95 feet below TOC
Total Depth: 60.31 feet below TOC
Water Column: 32.36 feet

**Purging Activities**

Purged By: PY Purge Date: 6/18/2026
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 32.36 ft. x 0.022 = 0.71 L x 3 Vol. = 2.13 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear Odor: None Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 11:35 | 0.0 | 131 | purge start time | | | | | | |
| 11:39 | 0.5 | ↓ | 7.08 | 969.90 | 17.66 | 1.84 | 1.90 | 11.22 | 28.55 |
| 11:42 | 0.9 | | 6.90 | 942.50 | 18.05 | 1.48 | -16.70 | 8.40 | 28.60 |
| 11:45 | 1.3 | | 6.83 | 935.60 | 18.64 | 1.43 | -26.10 | 7.65 | 28.61 |
| 11:48 | 1.7 | | 6.82 | 938.30 | 19.13 | 1.44 | -29.90 | 7.28 | 28.61 |
| 11:51 | 2.1 | | 6.82 | 940.90 | 19.63 | 1.44 | -30.70 | 7.17 | 28.61 |
| 11:54 | 2.5 | | 6.83 | 945.20 | 20.32 | 1.42 | -30.10 | 7.18 | 28.61 |

**Sampling Activities**

Sampled By: PY Sample Date/Time: 6/18/2026 11:54
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.83 pH 945.20 Spec. Cond. 20.32 Temp
Field Filtered: No Filter Type:
Water Level: 28.72 feet below TOC Drawdown: 0.77 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46864

**Form Completed By:** Allison Lampe Date: 6/18/2026

**Site Samping Event:** Ash Pond Mon Wells
**LIMS Workorder:** 26060602
**Technician(s):** DC, JC, BG, AL, PY

**Field Calibration Log(s)**
**CWLP- 2Q 2026**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 46864 Technician(s): A.Lampe Date: 6/18/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC260305A | 4.00 | 126.70 | 6/18/26 8:39 |
| 7.0 Buffer | WC260305B | 7.00 | -49.80 | 6/18/26 8:41 |
| 10.0 Buffer | WC260305C | 10.00 | -214.10 | 6/18/26 8:45 |
| LCS/CCV (7.0 Buffer) | WC260305D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1412 | 6/18/26 8:47 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.73 | 6/18/26 8:51 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | 131 | | 6/23/26 10:28 |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-2-AL | LCS | 6/18/26 8:52 | 22.7 | 7.08 | 1,411 | 0.73 | | |
| CCV-2-AL | CCV | 6/18/26 12:01 | 22.7 | 7.05 | 1,409 | 0.98 | | |

**Comments:**

*Alliance Technical Group - Akron*
*3310 Win St.*
*Cuyahoga Falls, Ohio 44223*
*TEL: (330) 253-8211*
*Website: http://www.settek.com*

July 07, 2026

Shelly Hennessy
TEKLAB Inc,
120 United Drive
Collinsville, IL 62234
TEL:
FAX:

RE: 26060602

Dear Shelly Hennessy:

Order No.: 26061762

Alliance Technical Group - Akron received 1 sample(s) on 6/22/2026 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

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

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0828, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

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# Case Narrative

WO#: **26061762**
Date: **7/7/2026**

**CLIENT:** TEKLAB Inc,
**Project:** 26060602

WorkOrder Narrative:
26061762: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Alliance Technical Group Work Order Number assigned to this report.

Alliance Technical Group holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Alliance Technical Group and that of the customer. It cannot be reproduced in any form without the consent of Alliance Technical Group or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Alliance Technical Group is not responsible for use or interpretation of the data included herein.

All results for solid samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Analytical Sequence QC Notes:
LCS/LCSD-97614 Radium-228_DW(904.0): LCS/LCSD demonstrate high RPD. Both results are within acceptable criteria individually.

Original

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# Workorder Sample Summary

WO#: **26061762**

***07-Jul-26***

**CLIENT:** TEKLAB Inc,
**Project:** 26060602

| Lab SampleID | Client Sample ID | Tag No | Date Collected | Date Received | Matrix |
|---|---|---|---|---|---|
| 26061762-001 | 26060602-001 | | 6/18/2026 11:54:00 AM | 6/22/2026 10:45:00 AM | Non-Potable Water |

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# Analytical Report

(consolidated)

WO#: **26061762**

Date Reported: **7/7/2026**

**CLIENT:** TEKLAB Inc,

**Collection Date:** 6/18/2026 11:54:00 AM

**Project:** 26060602

**Lab ID:** 26061762-001

**Matrix:** NON-POTABLE WATER

**Client Sample ID:** 26060602-001

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| **COMBINED RADIUM (EPA903+904)** | | | | | | | |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.340 | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-226 (EPA 903.0)** | | | | | | | |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0700 | 1 | 7/2/2026 10:05:00 AM |
| Yield | 1.00 | | | | | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-228 (EPA 904.0)** | | | | | | | |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.270 | 1 | 7/1/2026 12:46:00 PM |
| Yield | 1.00 | | | | | 1 | 7/1/2026 12:46:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

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# Qualifiers and Acronyms

WO#: **26061762**
Date: **7/7/2026**

These commonly used Qualifiers and Acronyms may or may not be present in this report.

## Qualifiers

| | |
|---|---|
| **U** | The compound was analyzed for but was not detected above the MDL. |
| **J** | The reported value is greater than the Method Detection Limit but less than the Reporting Limit. |
| **H** | The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant. |
| **E** | The result exceeded the linear range of the calibration or is estimated due to interference. |
| **MC** | The result is below the Minimum Compound Limit. |
| ***** | The result exceeds the Regulatory Limit or Maximum Contamination Limit. |
| **m** | Manual integration was used to determine the area response. |
| **D** | Manual integration in which peak was deleted. |
| **N** | The result is presumptive based on a Mass Spectral library search assuming a 1:1 response. |
| **P** | The second column confirmation exceeded 25% difference. |
| **C** | The result has been confirmed by GC/MS. |
| **X** | The result was not confirmed when GC/MS Analysis was performed. |
| **B** | The analyte was detected in the Method Blank at a concentration greater than the RL. |
| **MB+** | The analyte was detected in the Method Blank at a concentration greater than the MDL. |
| **G** | The ICB or CCB contained reportable amounts of analyte. |
| **QC-/+** | The CCV recovery failed low (-) or high (+). |
| **R/QDR** | The RPD was outside of accepted recovery limits. |
| **QL-/+** | The LCS or LCSD recovery failed low (-) or high (+). |
| **QLR** | The LCS/LCSD RPD was outside of accepted recovery limits. |
| **QM-/+** | The MS or MSD recovery failed low (-) or high (+). |
| **QMR** | The MS/MSD RPD was outside of accepted recovery limits. |
| **QV-/+** | The ICV recovery failed low (-) or high (+). |
| **S** | The spike result was outside of accepted recovery limits. |
| **W** | Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant. |
| **Z** | A deviation from the method was performed; Please refer to the Case Narrative for additional information. |

## Acroynms

| | |
|---|---|
| **ND** | Not Detected |
| **QC** | Quality Control |
| **MB** | Method Blank |
| **LCS** | Laboratory Control Sample |
| **LCS** | Laboratory Control Sample Duplicate |
| **QCS** | Quality Control Sample |
| **DUP** | Duplicate |
| **MS** | Matrix Spike |
| **MSD** | Matrix Spike Duplicate |
| **RPD** | Relative Percent Different |
| **ICV** | Initial Calibration Verification |
| **ICB** | Initial Calibration Blank |
| **CCV** | Continuing Calibration Verification |
| **CCB** | Continuing Calibration Blank |
| **RLC** | Reporting Limit Check |
| **DF** | Dilution Factor |

| | |
|---|---|
| **RL** | Reporting Limit |
| **MDL** | Method Detection Limit |
| **LOD** | Level of Detection |
| **LOQ** | Level of Quantitation |
| **PQL** | Practical Quantitation Limit |
| **CRQL** | Contract Required Quantitation Limit |
| **PL** | Permit Limit |
| **RegLvl** | Regulatory Limit |
| **MCL** | Maximum Contamination Limit |
| **MinCL** | Minimum Compound Limit |
| **RA** | Reanalysis |
| **RE** | Reextraction |
| **TIC** | Tentatively Identified Compound |
| **RT** | Retention Time |
| **CF** | Calibration Factor |
| **RF** | Response Factor |

**This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.**

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# Accreditation Program Analytes Report

WO#: **26061762**

***07-Jul-26***

**Client:** TEKLAB Inc,
**State:** IL
**Project:** 26060602
**Program:** Illinois EPA

| Test Name | Matrix | Analyte | Status |
|---|---|---|---|
| Combined Radium (EPA903+904) | Non-Potable Water | Radium-226/Radium-228 | N |
| Radium-226 (EPA 903.0) | Non-Potable Water | Radium-226 | N |
| Radium-226 (EPA 903.0) | Non-Potable Water | Yield | N |
| Radium-228 (EPA 904.0) | Non-Potable Water | Radium-228 | N |
| Radium-228 (EPA 904.0) | Non-Potable Water | Yield | N |

| Accreditation (Acc.) Status Key | |
|---|---|
| A: Accredited | N: Not Accredited |
| P: Provisional | U: Unavailable |

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# DATES REPORT

WO#: **26061762**

***07-Jul-26***

**Client:** TEKLAB Inc,

**Project:** 26060602

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | Leachate Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|---|
| 26061762-001A | 26060602-001 | 6/18/2026 11:54:00 AM | Non-Potable Water | Combined Radium (EPA903+904) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 6/25/2026 11:42:49 AM | 7/1/2026 12:46:00 PM |

Original

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# QC SUMMARY REPORT

WO#: **26061762**

***07-Jul-26***

**Client:** TEKLAB Inc,
**Project:** 26060602

**BatchID:** **97614**

| Sample ID: **26061760-001ADUP** | SampType: **DUP** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240693** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E904.0** | **E903-904** | Analysis Date: **7/1/2026** | SeqNo: **6290117** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | ND | 1.00 | | 0 | 0 | | | 0 | 0 | 20 | |
| Yield | 0.560 | | | 0 | 0 | | | 0.6500 | 14.9 | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

Original

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# QC SUMMARY REPORT

WO#: **26061762**

***07-Jul-26***

**Client:** TEKLAB Inc,
**Project:** 26060602 **BatchID:** **97614**

| Sample ID: **MB-97614** | SampType: **MBLK** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240693** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E904.0** | **E903-904** | Analysis Date: **7/1/2026** | SeqNo: **6290104** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | ND | 1.00 | | 0 | 0 | | | | | | |
| Yield | 1.00 | | | 0 | 0 | | | | | | |

| Sample ID: **LCS-97614** | SampType: **LCS** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240693** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E904.0** | **E903-904** | Analysis Date: **7/1/2026** | SeqNo: **6290105** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 2.76 | 1.00 | 5.000 | 0 | 55.2 | 50 | 130 | | | | QLR |
| Yield | 0.860 | | | 0 | 0 | | | | | | |

| Sample ID: **LCSD-97614** | SampType: **LCSD** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240693** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E904.0** | **E903-904** | Analysis Date: **7/1/2026** | SeqNo: **6290106** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 3.83 | 1.00 | 5.000 | 0 | 76.6 | 50 | 130 | 2.760 | 32.5 | 20 | R |
| Yield | 0.950 | | | 0 | 0 | | | 0.8600 | 9.94 | | |

| Sample ID: **26061756-001ADUP** | SampType: **DUP** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240693** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E904.0** | **E903-904** | Analysis Date: **7/1/2026** | SeqNo: **6290114** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | ND | 1.00 | | 0 | 0 | | | 0 | 0 | 20 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

Original

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Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: **26061762**

***07-Jul-26***

**Client:** TEKLAB Inc,
**Project:** 26060602 **BatchID:** **97614**

| Sample ID: **26061756-001ADUP** | SampType: **DUP** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240693** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E904.0** | **E903-904** | Analysis Date: **7/1/2026** | SeqNo: **6290114** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Yield | 0.870 | | | 0 | 0 | | | 0.8600 | 1.16 | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

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Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: **26061762**

***07-Jul-26***

**Client:** TEKLAB Inc,
**Project:** 26060602 **BatchID:** **97614**

| Sample ID: **26061760-001ADUP** | SampType: **DUP** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240703** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E903.0** | **E903-904** | Analysis Date: **7/2/2026** | SeqNo: **6290437** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | 0 | 0 | 30 | |
| Yield | 0.630 | | | | | | | 0.6500 | 3.13 | 0 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: **26061762**

***07-Jul-26***

**Client:** TEKLAB Inc,
**Project:** 26060602 **BatchID:** **97614**

| Sample ID: **MB-97614** | SampType: **MBLK** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240703** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E903.0** | **E903-904** | Analysis Date: **7/2/2026** | SeqNo: **6290424** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | | | | |
| Yield | 1.00 | | | | | | | | | | |

| Sample ID: **LCS-97614** | SampType: **LCS** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240703** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E903.0** | **E903-904** | Analysis Date: **7/2/2026** | SeqNo: **6290425** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 6.35 | 1.00 | 5.000 | 0 | 127 | 70 | 130 | | | | |

| Sample ID: **LCSD-97614** | SampType: **LCSD** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240703** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E903.0** | **E903-904** | Analysis Date: **7/2/2026** | SeqNo: **6290426** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 6.27 | 1.00 | 5.000 | 0 | 125 | 70 | 130 | 6.350 | 1.27 | 20 | |

| Sample ID: **26061756-001ADUP** | SampType: **DUP** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240703** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E903.0** | **E903-904** | Analysis Date: **7/2/2026** | SeqNo: **6290434** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | 0 | 0 | 20 | |
| Yield | 0.930 | | | | | | | 0.9500 | 2.13 | 0 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

Original

Pg ___ of ___

# TEKLAB, INC. Chain of Custody

120 United Drive, Collinsville, IL 62234 Phone (618) 344-1004

26061762

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

**Teklab Inc**
**120 United Drive**
**Collinsville, IL 62234**

Cooler Temp: Sampler: Client QC Level: 2

Comments: **Please Issue reports and invoices via email only**
SHIP to ATG-Akron. Please analyze for Radium 226/228 per your usual methods.
Any changes to analysis/methods must be approved by Teklab, Inc.
Batch QC and standard EDD are required. State of Sample Origin = IL

Project# 26060602

Contact: Shelly Hennessy Email: shennessy@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 41372 Phone: (618) 344-1004 x 1024

Temp: 21.3°C (21.2 / 21.1)

PLEASE NOTE:

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

| Lab Use | Sample ID | Sample Date/Time | Unpres | HNO3 | H2SO4 | NaOH | Other | Matrix | Radium 226/228 | Combined Radium | | | PH | CPH | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 26060602-001 | 6/18/26 1154 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | 2 | 20 | | | | | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | | 2 | 34 | | | | | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | | 2 | 28 | | | | | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | | | | | | | | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | | | | | | | | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | | | | | | | | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | | | | | | | | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | | | | | | | | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | | | | | | | | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | | | | | | | | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | | | | | | | | | | | |

| *Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| | 6/18/26 1700 | Parson Gorich | 6/22/26 10:45 |



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

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

# Sample Log-In Check List

Client Name: **TEK-IL-62234-A** Work Order Number: **26061762** RcptNo: **1**

| | | | |
|---|---|---|---|
| Logged by: | **Paige J. Yerick** | **6/22/2026 10:45:00 AM** | Paige Yerich |
| Completed By: | **Paige J. Yerick** | **6/23/2026 5:43:55 PM** | Paige Yerich |
| Reviewed By: | **Jennifer Woolf** | **6/23/2026 6:16:13 PM** | Jennifer Woolf |

## Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? FedEx

## Log In

3. Coolers are present? Yes ☑ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☑ No ☐
   Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☑ NA ☐
   No. Seal Date: Signed By:
5. Was an attempt made to cool the samples? Yes ☐ No ☑ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☑ NA ☐
   **Not required**
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? Yes ☑ No ☐
    (Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? Yes ☑ No ☐
    (If no, notify customer for authorization.)

## Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

**Cooler Information**

| Cooler No | Temp ºC | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 21.3 | Good | Not Present | | | |

July 09, 2026

Eric Staley
City Water, Light & Power
3100 Stevenson Drive
2nd Floor Maintenance Building
Springfield, IL 62712
TEL: (217) 757-8610
FAX: (217) 757-8615

| | |
|---|---|
| Illinois | 100467 |
| Kansas | E-10374 |
| Kansas | E-10438 |
| Louisiana | 05002 |
| Oklahoma | 9978 |

**RE:** FGDS Landfill **WorkOrder:** 26060603

Dear Eric Staley:

TEKLAB, INC received 10 samples on 6/18/2026 1:42:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Paul Schultz
Project Manager

Pschultz@teklabinc.com

# Report Contents



**Client:** City Water, Light & Power
**Work Order:** 26060603
**Client Project:** FGDS Landfill
**Report Date:** 09-Jul-26

**This reporting package includes the following:**


| | |
|---|---|
| Cover Letter | 1 |
| Report Contents | 2 |
| Definitions | 3 |
| Case Narrative | 5 |
| Accreditations | 6 |
| Laboratory Results | 7 |
| Receiving Check List | 18 |
| Chain of Custody | Appended |

**Client:** City Water, Light & Power **Work Order:** 26060603

**Client Project:** FGDS Landfill **Report Date:** 09-Jul-26

## Abbr Definition

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

# Definitions



**Client:** City Water, Light & Power
**Work Order:** 26060603
**Client Project:** FGDS Landfill
**Report Date:** 09-Jul-26

## Qualifiers

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

# Case Narrative

http://www.teklabinc.com/

**Client:** City Water, Light & Power
**Client Project:** FGDS Landfill

**Work Order:** 26060603
**Report Date:** 09-Jul-26

**Cooler Receipt Temp:** 15.3 °C

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

Radium-226 & -228 analysis was performed by Alliance Technical Group. See attached report for results.

## Locations


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

**Collinsville**
Address 120 United Drive, Collinsville, IL 62234-7433
Phone (618) 344-1004
Fax
Email jhriley@teklabinc.com

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

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

**Collinsville Air**
Address 120 United Drive, Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

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

**Client:** City Water, Light & Power

**Client Project:** FGDS Landfill

**Work Order:** 26060603

**Report Date:** 09-Jul-26

| State | Dept | Cert # | NELAP | Exp Date | Lab |
|---|---|---|---|---|---|
| Illinois | IEPA | 100467 | NELAP | 1/31/2027 | Collinsville |
| Kansas | KDHE | E-10438 | NELAP | 7/31/2026 | Collinsville |
| Kansas | KDHE | E-10374 | NELAP | 4/30/2027 | Collinsville |
| Louisiana | LDEQ | 05002 | NELAP | 6/30/2027 | Collinsville |
| Oklahoma | ODEQ | 9978 | NELAP | 12/31/2026 | Collinsville |
| Arkansas | ADEQ | 88-0966 | | 3/14/2027 | Collinsville |
| Illinois | IDPH | 17584 | | 5/31/2027 | Collinsville |
| Iowa | IDNR | 430 | | 6/1/2028 | Collinsville |
| Kansas | KDHE | E-92716 | | 1/31/2027 | Collinsville |
| Kentucky | KWLCP | KY98050 | | 12/31/2026 | Collinsville |
| Kentucky | KWLCP | KY98006 | | 12/31/2026 | Collinsville |
| Kentucky | UST | 0073 | | 1/31/2027 | Collinsville |
| Louisiana | LDEQ | 05003 | | 6/30/2026 | Collinsville |
| Mississippi | MSDH | | | 4/30/2026 | Collinsville |
| Missouri | MDNR | 00930 | | 10/31/2026 | Collinsville |
| Missouri | MDNR | 930 | | 1/31/2028 | Collinsville |

**Client:** City Water, Light & Power **Work Order:** 26060603

**Client Project:** FGDS Landfill **Report Date:** 09-Jul-26

**Lab ID:** 26060603-001 **Client Sample ID:** R101

**Matrix:** GROUNDWATER **Collection Date:** 06/18/2026 11:58

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **511.53** | ft | 1 | 06/18/2026 11:58 | R386234 |
| Depth to water | * | -5.00 | | **4.79** | ft | 1 | 06/18/2026 11:58 | R386234 |
| Depth to water from measuring point | * | 0 | | **7.59** | ft | 1 | 06/18/2026 11:58 | R386234 |
| Elevation of groundwater surface | * | 0 | | **539.21** | ft | 1 | 06/18/2026 11:58 | R386234 |
| Measuring Point Elevation | * | 0 | | **546.80** | ft | 1 | 06/18/2026 11:58 | R386234 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.80** | ft | 1 | 06/18/2026 11:58 | R386234 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **9.5** | NTU | 1 | 06/18/2026 11:58 | R386234 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **59.6** | °F | 1 | 06/18/2026 11:58 | R386234 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **7.12** | | 1 | 06/18/2026 11:58 | R386234 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1110** | µS/cm | 1 | 06/18/2026 11:58 | R386234 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **974** | mg/L | 1 | 06/22/2026 9:32 | R386246 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 06/20/2026 2:31 | R386144 |
| Chloride | NELAP | 5.00 | | **114** | mg/L | 10 | 06/20/2026 2:31 | R386144 |
| Sulfate | NELAP | 10.0 | | **259** | mg/L | 10 | 06/20/2026 2:31 | R386144 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.283** | mg/L | 1 | 06/19/2026 17:00 | 258454 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 06/19/2026 17:00 | 258454 |
| Boron | NELAP | 0.0200 | | **0.129** | mg/L | 1 | 06/19/2026 17:00 | 258454 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 06/19/2026 17:00 | 258454 |
| Calcium | NELAP | 0.100 | | **136** | mg/L | 1 | 06/19/2026 17:00 | 258454 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 17:00 | 258454 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 17:00 | 258454 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 06/19/2026 17:00 | 258454 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 06/19/2026 17:00 | 258454 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 06/24/2026 13:04 | 258454 |
| Arsenic | NELAP | 0.0010 | | **0.0014** | mg/L | 5 | 06/24/2026 13:04 | 258454 |
| Lithium | * | 0.0030 | | **0.0176** | mg/L | 5 | 06/27/2026 16:37 | 258454 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 06/24/2026 13:04 | 258454 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 06/24/2026 13:04 | 258454 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 06/24/2026 11:38 | 258478 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Combined 226/228 Uncertainty | * | 0 | | **0.400** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 Uncertainty | * | 0 | | **0.100** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 07/01/2026 12:46 | R387012 |
| Radium-228 Uncertainty | * | 0 | | **0.300** | +/- | 1 | 07/01/2026 12:46 | R387012 |

**Client:** City Water, Light & Power **Work Order:** 26060603

**Client Project:** FGDS Landfill **Report Date:** 09-Jul-26

**Lab ID:** 26060603-002 **Client Sample ID:** G121

**Matrix:** GROUNDWATER **Collection Date:** 06/18/2026 9:29

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **497.04** | ft | 1 | 06/18/2026 9:29 | R386234 |
| Depth to water | * | -5.00 | | **25.91** | ft | 1 | 06/18/2026 9:29 | R386234 |
| Depth to water from measuring point | * | 0 | | **27.78** | ft | 1 | 06/18/2026 9:29 | R386234 |
| Elevation of groundwater surface | * | 0 | | **527.82** | ft | 1 | 06/18/2026 9:29 | R386234 |
| Measuring Point Elevation | * | 0 | | **555.60** | ft | 1 | 06/18/2026 9:29 | R386234 |
| Measuring Point Height Above Land Surface | * | 0 | | **1.87** | ft | 1 | 06/18/2026 9:29 | R386234 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **8.2** | NTU | 1 | 06/18/2026 9:29 | R386234 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **60.2** | °F | 1 | 06/18/2026 9:29 | R386234 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.66** | | 1 | 06/18/2026 9:29 | R386234 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1590** | µS/cm | 1 | 06/18/2026 9:29 | R386234 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1040** | mg/L | 1 | 06/22/2026 9:32 | R386246 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 06/20/2026 3:47 | R386144 |
| Chloride | NELAP | 5.00 | | **30.4** | mg/L | 10 | 06/20/2026 3:47 | R386144 |
| Sulfate | NELAP | 10.0 | | **335** | mg/L | 10 | 06/20/2026 3:47 | R386144 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.500** | mg/L | 1 | 06/19/2026 17:01 | 258454 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 06/19/2026 17:01 | 258454 |
| Boron | NELAP | 0.0200 | | **4.03** | mg/L | 1 | 06/19/2026 17:01 | 258454 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 06/19/2026 17:01 | 258454 |
| Calcium | NELAP | 0.100 | | **189** | mg/L | 1 | 06/19/2026 17:01 | 258454 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 17:01 | 258454 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 17:01 | 258454 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 06/19/2026 17:01 | 258454 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 06/19/2026 17:01 | 258454 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 06/24/2026 13:07 | 258454 |
| Arsenic | NELAP | 0.0010 | | **0.0141** | mg/L | 5 | 06/24/2026 13:07 | 258454 |
| Lithium | * | 0.0030 | | **0.0076** | mg/L | 5 | 06/27/2026 16:41 | 258454 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 06/24/2026 13:07 | 258454 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 06/24/2026 13:07 | 258454 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 06/24/2026 11:40 | 258478 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Combined 226/228 Uncertainty | * | 0 | | **0.480** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 Uncertainty | * | 0 | | **0.090** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 07/01/2026 12:46 | R387012 |
| Radium-228 Uncertainty | * | 0 | | **0.390** | +/- | 1 | 07/01/2026 12:46 | R387012 |

**Client:** City Water, Light & Power
**Work Order:** 26060603
**Client Project:** FGDS Landfill
**Report Date:** 09-Jul-26
**Lab ID:** 26060603-003
**Client Sample ID:** G122
**Matrix:** GROUNDWATER
**Collection Date:** 06/18/2026 11:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **506.11** | ft | 1 | 06/18/2026 11:00 | R386234 |
| Depth to water | * | -5.00 | | **27.10** | ft | 1 | 06/18/2026 11:00 | R386234 |
| Depth to water from measuring point | * | 0 | | **28.84** | ft | 1 | 06/18/2026 11:00 | R386234 |
| Elevation of groundwater surface | * | 0 | | **526.56** | ft | 1 | 06/18/2026 11:00 | R386234 |
| Measuring Point Elevation | * | 0 | | **555.40** | ft | 1 | 06/18/2026 11:00 | R386234 |
| Measuring Point Height Above Land Surface | * | 0 | | **1.74** | ft | 1 | 06/18/2026 11:00 | R386234 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **22** | NTU | 1 | 06/18/2026 11:00 | R386234 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **60.6** | °F | 1 | 06/18/2026 11:00 | R386234 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.56** | | 1 | 06/18/2026 11:00 | R386234 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1770** | µS/cm | 1 | 06/18/2026 11:00 | R386234 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1290** | mg/L | 1 | 06/22/2026 9:32 | R386246 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 06/20/2026 4:00 | R386144 |
| Chloride | NELAP | 5.00 | | **38.4** | mg/L | 10 | 06/20/2026 4:00 | R386144 |
| Sulfate | NELAP | 10.0 | | **516** | mg/L | 10 | 06/20/2026 4:00 | R386144 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.520** | mg/L | 1 | 06/19/2026 17:02 | 258454 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 06/19/2026 17:02 | 258454 |
| Boron | NELAP | 0.0200 | | **10.6** | mg/L | 1 | 06/19/2026 17:02 | 258454 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 06/19/2026 17:02 | 258454 |
| Calcium | NELAP | 0.100 | | **245** | mg/L | 1 | 06/19/2026 17:02 | 258454 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 17:02 | 258454 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 17:02 | 258454 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 06/19/2026 17:02 | 258454 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 06/19/2026 17:02 | 258454 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 06/24/2026 13:11 | 258454 |
| Arsenic | NELAP | 0.0010 | | **0.0019** | mg/L | 5 | 06/24/2026 13:11 | 258454 |
| Lithium | * | 0.0030 | | **0.0072** | mg/L | 5 | 06/27/2026 16:45 | 258454 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 06/24/2026 13:11 | 258454 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 06/24/2026 13:11 | 258454 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 06/24/2026 11:43 | 258478 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Combined 226/228 Uncertainty | * | 0 | | **0.440** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 Uncertainty | * | 0 | | **0.090** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 07/01/2026 12:46 | R387012 |
| Radium-228 Uncertainty | * | 0 | | **0.350** | +/- | 1 | 07/01/2026 12:46 | R387012 |

**Client:** City Water, Light & Power **Work Order:** 26060603

**Client Project:** FGDS Landfill **Report Date:** 09-Jul-26

**Lab ID:** 26060603-004 **Client Sample ID:** AW-2

**Matrix:** GROUNDWATER **Collection Date:** 06/18/2026 11:15

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **497.34** | ft | 1 | 06/18/2026 11:15 | R386234 |
| Depth to water | * | -5.00 | | **0.15** | ft | 1 | 06/18/2026 11:15 | R386234 |
| Depth to water from measuring point | * | 0 | | **3.45** | ft | 1 | 06/18/2026 11:15 | R386234 |
| Elevation of groundwater surface | * | 0 | | **526.53** | ft | 1 | 06/18/2026 11:15 | R386234 |
| Measuring Point Elevation | * | 0 | | **529.98** | ft | 1 | 06/18/2026 11:15 | R386234 |
| Measuring Point Height Above Land Surface | * | 0 | | **3.30** | ft | 1 | 06/18/2026 11:15 | R386234 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **8.9** | NTU | 1 | 06/18/2026 11:15 | R386234 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **59.0** | °F | 1 | 06/18/2026 11:15 | R386234 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.33** | | 1 | 06/18/2026 11:15 | R386234 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1110** | µS/cm | 1 | 06/18/2026 11:15 | R386234 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **826** | mg/L | 1 | 06/22/2026 9:32 | R386246 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 06/20/2026 4:12 | R386144 |
| Chloride | NELAP | 5.00 | | **29.4** | mg/L | 10 | 06/20/2026 4:12 | R386144 |
| Sulfate | NELAP | 10.0 | | **174** | mg/L | 10 | 06/20/2026 4:12 | R386144 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.603** | mg/L | 1 | 06/19/2026 17:08 | 258454 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 06/19/2026 17:08 | 258454 |
| Boron | NELAP | 0.0200 | | **3.06** | mg/L | 1 | 06/19/2026 17:08 | 258454 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 06/19/2026 17:08 | 258454 |
| Calcium | NELAP | 0.100 | S | **158** | mg/L | 1 | 06/19/2026 17:08 | 258454 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 17:08 | 258454 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 17:08 | 258454 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 06/19/2026 17:08 | 258454 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 06/19/2026 17:08 | 258454 |
| *Matrix spike control limits for Ca are not applicable due to high sample/spike ratio.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 06/24/2026 13:15 | 258454 |
| Arsenic | NELAP | 0.0010 | | **0.0144** | mg/L | 5 | 06/24/2026 13:15 | 258454 |
| Lithium | * | 0.0030 | | **0.0050** | mg/L | 5 | 06/27/2026 17:04 | 258454 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 06/24/2026 13:15 | 258454 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 06/24/2026 13:15 | 258454 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 06/24/2026 11:49 | 258478 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Combined 226/228 Uncertainty | * | 0 | | **0.580** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 Uncertainty | * | 0 | | **0.100** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 07/01/2026 12:46 | R387012 |

**Client:** City Water, Light & Power
**Work Order:** 26060603
**Client Project:** FGDS Landfill
**Report Date:** 09-Jul-26
**Lab ID:** 26060603-004
**Client Sample ID:** AW-2
**Matrix:** GROUNDWATER
**Collection Date:** 06/18/2026 11:15

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Radium-228 Uncertainty | * | 0 | | **0.480** | +/- | 1 | 07/01/2026 12:46 | R387012 |

**Client:** City Water, Light & Power **Work Order:** 26060603

**Client Project:** FGDS Landfill **Report Date:** 09-Jul-26

**Lab ID:** 26060603-005 **Client Sample ID:** P07D

**Matrix:** GROUNDWATER **Collection Date:** 06/17/2026 10:16

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **495.71** | ft | 1 | 06/17/2026 10:16 | R386234 |
| Depth to water | * | -5.00 | | **0.49** | ft | 1 | 06/17/2026 10:16 | R386234 |
| Depth to water from measuring point | * | 0 | | **3.49** | ft | 1 | 06/17/2026 10:16 | R386234 |
| Elevation of groundwater surface | * | 0 | | **524.76** | ft | 1 | 06/17/2026 10:16 | R386234 |
| Measuring Point Elevation | * | 0 | | **528.25** | ft | 1 | 06/17/2026 10:16 | R386234 |
| Measuring Point Height Above Land Surface | * | 0 | | **3.00** | ft | 1 | 06/17/2026 10:16 | R386234 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **18** | NTU | 1 | 06/17/2026 10:16 | R386234 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **59.1** | °F | 1 | 06/17/2026 10:16 | R386234 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.70** | | 1 | 06/17/2026 10:16 | R386234 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1280** | µS/cm | 1 | 06/17/2026 10:16 | R386234 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **992** | mg/L | 1 | 06/19/2026 10:05 | R386291 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 06/23/2026 17:24 | R386306 |
| Chloride | NELAP | 5.00 | | **31.0** | mg/L | 10 | 06/23/2026 17:24 | R386306 |
| Sulfate | NELAP | 10.0 | | **290** | mg/L | 10 | 06/23/2026 17:24 | R386306 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.854** | mg/L | 1 | 06/19/2026 16:05 | 258385 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 06/19/2026 16:05 | 258385 |
| Boron | NELAP | 0.0200 | | **4.94** | mg/L | 1 | 06/19/2026 16:05 | 258385 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 06/19/2026 16:05 | 258385 |
| Calcium | NELAP | 0.100 | | **185** | mg/L | 1 | 06/19/2026 16:05 | 258385 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 16:05 | 258385 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 16:05 | 258385 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 06/19/2026 16:05 | 258385 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 06/19/2026 16:05 | 258385 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/01/2026 16:08 | 258385 |
| Arsenic | NELAP | 0.0010 | | **0.0272** | mg/L | 5 | 07/01/2026 16:08 | 258385 |
| Lithium | * | 0.0400 | | **< 0.0400** | mg/L | 5 | 06/26/2026 17:30 | 258385 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/01/2026 16:08 | 258385 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 07/01/2026 16:08 | 258385 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 06/18/2026 12:35 | 258402 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Combined 226/228 Uncertainty | * | 0 | | **0.460** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 Uncertainty | * | 0 | | **0.110** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 07/01/2026 12:46 | R387012 |
| Radium-228 Uncertainty | * | 0 | | **0.350** | +/- | 1 | 07/01/2026 12:46 | R387012 |

**Client:** City Water, Light & Power **Work Order:** 26060603

**Client Project:** FGDS Landfill **Report Date:** 09-Jul-26

**Lab ID:** 26060603-006 **Client Sample ID:** AW-1

**Matrix:** GROUNDWATER **Collection Date:** 06/18/2026 10:04

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **500.79** | ft | 1 | 06/18/2026 10:04 | R386234 |
| Depth to water | * | -5.00 | | **11.81** | ft | 1 | 06/18/2026 10:04 | R386234 |
| Depth to water from measuring point | * | 0 | | **14.56** | ft | 1 | 06/18/2026 10:04 | R386234 |
| Elevation of groundwater surface | * | 0 | | **541.04** | ft | 1 | 06/18/2026 10:04 | R386234 |
| Measuring Point Elevation | * | 0 | | **555.60** | ft | 1 | 06/18/2026 10:04 | R386234 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.75** | ft | 1 | 06/18/2026 10:04 | R386234 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **26** | NTU | 1 | 06/18/2026 10:04 | R386234 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **60.3** | °F | 1 | 06/18/2026 10:04 | R386234 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.59** | | 1 | 06/18/2026 10:04 | R386234 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1310** | µS/cm | 1 | 06/18/2026 10:04 | R386234 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1130** | mg/L | 1 | 06/22/2026 9:32 | R386246 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 06/20/2026 4:25 | R386144 |
| Chloride | NELAP | 5.00 | | **39.3** | mg/L | 10 | 06/20/2026 4:25 | R386144 |
| Sulfate | NELAP | 10.0 | | **411** | mg/L | 10 | 06/20/2026 4:25 | R386144 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.110** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Boron | NELAP | 0.0200 | | **10.0** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Calcium | NELAP | 0.100 | | **211** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 06/24/2026 13:48 | 258454 |
| Arsenic | NELAP | 0.0010 | | **0.0357** | mg/L | 5 | 06/24/2026 13:48 | 258454 |
| Lithium | * | 0.0030 | | **0.0104** | mg/L | 5 | 06/27/2026 16:48 | 258454 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 06/24/2026 13:48 | 258454 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 06/24/2026 13:48 | 258454 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 06/24/2026 11:51 | 258478 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Combined 226/228 Uncertainty | * | 0 | | **0.420** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 Uncertainty | * | 0 | | **0.060** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 07/01/2026 12:46 | R387012 |
| Radium-228 Uncertainty | * | 0 | | **0.360** | +/- | 1 | 07/01/2026 12:46 | R387012 |

**Client:** City Water, Light & Power **Work Order:** 26060603

**Client Project:** FGDS Landfill **Report Date:** 09-Jul-26

**Lab ID:** 26060603-007 **Client Sample ID:** G120

**Matrix:** GROUNDWATER **Collection Date:** 06/17/2026 10:15

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **502.73** | ft | 1 | 06/17/2026 10:15 | R386234 |
| Depth to water | * | -5.00 | | **16.91** | ft | 1 | 06/17/2026 10:15 | R386234 |
| Depth to water from measuring point | * | 0 | | **16.91** | ft | 1 | 06/17/2026 10:15 | R386234 |
| Elevation of groundwater surface | * | 0 | | **536.19** | ft | 1 | 06/17/2026 10:15 | R386234 |
| Measuring Point Elevation | * | 0 | | **553.10** | ft | 1 | 06/17/2026 10:15 | R386234 |
| Measuring Point Height Above Land Surface | * | 0 | | **0** | ft | 1 | 06/17/2026 10:15 | R386234 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **59** | NTU | 1 | 06/17/2026 10:15 | R386234 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **61.6** | °F | 1 | 06/17/2026 10:15 | R386234 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.61** | | 1 | 06/17/2026 10:15 | R386234 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1910** | µS/cm | 1 | 06/17/2026 10:15 | R386234 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1440** | mg/L | 1 | 06/19/2026 10:05 | R386291 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 06/23/2026 18:15 | R386306 |
| Chloride | NELAP | 5.00 | | **37.6** | mg/L | 10 | 06/23/2026 18:15 | R386306 |
| Sulfate | NELAP | 10.0 | | **566** | mg/L | 10 | 06/23/2026 18:15 | R386306 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **1.88** | mg/L | 1 | 06/19/2026 16:07 | 258385 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 06/19/2026 16:07 | 258385 |
| Boron | NELAP | 0.0200 | | **7.87** | mg/L | 1 | 06/19/2026 16:07 | 258385 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 06/19/2026 16:07 | 258385 |
| Calcium | NELAP | 0.100 | | **263** | mg/L | 1 | 06/19/2026 16:07 | 258385 |
| Chromium | NELAP | 0.0050 | | **0.0061** | mg/L | 1 | 06/19/2026 16:07 | 258385 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 16:07 | 258385 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 06/19/2026 16:07 | 258385 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 06/19/2026 16:07 | 258385 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/01/2026 16:11 | 258385 |
| Arsenic | NELAP | 0.0010 | | **0.0169** | mg/L | 5 | 07/01/2026 16:11 | 258385 |
| Lithium | * | 0.0400 | | **< 0.0400** | mg/L | 5 | 06/26/2026 17:33 | 258385 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/01/2026 16:11 | 258385 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 07/01/2026 16:11 | 258385 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 06/18/2026 12:37 | 258402 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Combined 226/228 Uncertainty | * | 0 | | **0.490** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 Uncertainty | * | 0 | | **0.100** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 07/01/2026 12:46 | R387012 |
| Radium-228 Uncertainty | * | 0 | | **0.390** | +/- | 1 | 07/01/2026 12:46 | R387012 |

**Client:** City Water, Light & Power **Work Order:** 26060603

**Client Project:** FGDS Landfill **Report Date:** 09-Jul-26

**Lab ID:** 26060603-008 **Client Sample ID:** AW-4

**Matrix:** GROUNDWATER **Collection Date:** 06/17/2026 10:14

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **495.89** | ft | 1 | 06/17/2026 10:14 | R386234 |
| Depth to water | * | -5.00 | | **18.30** | ft | 1 | 06/17/2026 10:14 | R386234 |
| Depth to water from measuring point | * | 0 | | **17.97** | ft | 1 | 06/17/2026 10:14 | R386234 |
| Elevation of groundwater surface | * | 0 | | **534.59** | ft | 1 | 06/17/2026 10:14 | R386234 |
| Measuring Point Elevation | * | 0 | | **552.56** | ft | 1 | 06/17/2026 10:14 | R386234 |
| Measuring Point Height Above Land Surface | * | 0 | | **0** | ft | 1 | 06/17/2026 10:14 | R386234 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **32** | NTU | 1 | 06/17/2026 10:14 | R386234 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **63.0** | °F | 1 | 06/17/2026 10:14 | R386234 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.44** | | 1 | 06/17/2026 10:14 | R386234 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1360** | µS/cm | 1 | 06/17/2026 10:14 | R386234 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1130** | mg/L | 1 | 06/19/2026 10:05 | R386291 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 06/23/2026 18:27 | R386306 |
| Chloride | NELAP | 5.00 | | **32.0** | mg/L | 10 | 06/23/2026 18:27 | R386306 |
| Sulfate | NELAP | 10.0 | | **408** | mg/L | 10 | 06/23/2026 18:27 | R386306 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.556** | mg/L | 1 | 06/19/2026 16:08 | 258385 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 06/19/2026 16:08 | 258385 |
| Boron | NELAP | 0.0200 | | **0.177** | mg/L | 1 | 06/19/2026 16:08 | 258385 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 06/19/2026 16:08 | 258385 |
| Calcium | NELAP | 0.100 | | **205** | mg/L | 1 | 06/19/2026 16:08 | 258385 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 16:08 | 258385 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 16:08 | 258385 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 06/19/2026 16:08 | 258385 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 06/19/2026 16:08 | 258385 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/01/2026 16:15 | 258385 |
| Arsenic | NELAP | 0.0010 | | **0.0143** | mg/L | 5 | 07/01/2026 16:15 | 258385 |
| Lithium | * | 0.0400 | | **< 0.0400** | mg/L | 5 | 06/26/2026 17:36 | 258385 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/01/2026 16:15 | 258385 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 07/01/2026 16:15 | 258385 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 06/18/2026 12:40 | 258402 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Combined 226/228 Uncertainty | * | 0 | | **0.370** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 Uncertainty | * | 0 | | **0.070** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 07/01/2026 12:46 | R387012 |
| Radium-228 Uncertainty | * | 0 | | **0.300** | +/- | 1 | 07/01/2026 12:46 | R387012 |

**Client:** City Water, Light & Power **Work Order:** 26060603

**Client Project:** FGDS Landfill **Report Date:** 09-Jul-26

**Lab ID:** 26060603-009 **Client Sample ID:** AW-5

**Matrix:** GROUNDWATER **Collection Date:** 06/18/2026 10:02

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **492.77** | ft | 1 | 06/18/2026 10:02 | R386234 |
| Depth to water | * | -5.00 | | **23.42** | ft | 1 | 06/18/2026 10:02 | R386234 |
| Depth to water from measuring point | * | 0 | | **22.98** | ft | 1 | 06/18/2026 10:02 | R386234 |
| Elevation of groundwater surface | * | 0 | | **528.85** | ft | 1 | 06/18/2026 10:02 | R386234 |
| Measuring Point Elevation | * | 0 | | **551.83** | ft | 1 | 06/18/2026 10:02 | R386234 |
| Measuring Point Height Above Land Surface | * | 0 | | **0** | ft | 1 | 06/18/2026 10:02 | R386234 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **66** | NTU | 1 | 06/18/2026 10:02 | R386234 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **60.3** | °F | 1 | 06/18/2026 10:02 | R386234 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.43** | | 1 | 06/18/2026 10:02 | R386234 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **965** | µS/cm | 1 | 06/18/2026 10:02 | R386234 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **646** | mg/L | 1 | 06/22/2026 9:32 | R386246 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 06/20/2026 4:38 | R386144 |
| Chloride | NELAP | 5.00 | | **27.4** | mg/L | 10 | 06/20/2026 4:38 | R386144 |
| Sulfate | NELAP | 10.0 | | **25.3** | mg/L | 10 | 06/20/2026 4:38 | R386144 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.312** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Boron | NELAP | 0.0200 | | **0.259** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Calcium | NELAP | 0.100 | | **120** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 06/19/2026 17:03 | 258454 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 06/24/2026 13:51 | 258454 |
| Arsenic | NELAP | 0.0010 | | **0.0086** | mg/L | 5 | 06/24/2026 13:51 | 258454 |
| Lithium | * | 0.0030 | | **0.0208** | mg/L | 5 | 06/27/2026 16:52 | 258454 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 06/24/2026 13:51 | 258454 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 06/24/2026 13:51 | 258454 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 06/24/2026 11:53 | 258478 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Combined 226/228 Uncertainty | * | 0 | | **0.340** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 Uncertainty | * | 0 | | **0.070** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 07/01/2026 12:46 | R387012 |
| Radium-228 Uncertainty | * | 0 | | **0.270** | +/- | 1 | 07/01/2026 12:46 | R387012 |

**Client:** City Water, Light & Power **Work Order:** 26060603

**Client Project:** FGDS Landfill **Report Date:** 09-Jul-26

**Lab ID:** 26060603-010 **Client Sample ID:** AW-6

**Matrix:** GROUNDWATER **Collection Date:** 06/18/2026 11:17

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **493.67** | ft | 1 | 06/18/2026 11:17 | R386234 |
| Depth to water | * | -5.00 | | **-0.58** | ft | 1 | 06/18/2026 11:17 | R386234 |
| Depth to water from measuring point | * | 0 | | **1.86** | ft | 1 | 06/18/2026 11:17 | R386234 |
| Elevation of groundwater surface | * | 0 | | **525.25** | ft | 1 | 06/18/2026 11:17 | R386234 |
| Measuring Point Elevation | * | 0 | | **527.11** | ft | 1 | 06/18/2026 11:17 | R386234 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.44** | ft | 1 | 06/18/2026 11:17 | R386234 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **38** | NTU | 1 | 06/18/2026 11:17 | R386234 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **61.0** | °F | 1 | 06/18/2026 11:17 | R386234 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.80** | | 1 | 06/18/2026 11:17 | R386234 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1810** | µS/cm | 1 | 06/18/2026 11:17 | R386234 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1570** | mg/L | 1 | 06/22/2026 10:21 | R386246 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 06/20/2026 4:50 | R386144 |
| Chloride | NELAP | 5.00 | | **423** | mg/L | 10 | 06/20/2026 4:50 | R386144 |
| Sulfate | NELAP | 10.0 | | **96.4** | mg/L | 10 | 06/20/2026 4:50 | R386144 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.950** | mg/L | 1 | 06/19/2026 17:10 | 258454 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 06/19/2026 17:10 | 258454 |
| Boron | NELAP | 0.0200 | | **9.21** | mg/L | 1 | 06/19/2026 17:10 | 258454 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 06/19/2026 17:10 | 258454 |
| Calcium | NELAP | 0.100 | | **228** | mg/L | 1 | 06/19/2026 17:10 | 258454 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 17:10 | 258454 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 06/19/2026 17:10 | 258454 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 06/19/2026 17:10 | 258454 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 06/19/2026 17:10 | 258454 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 06/24/2026 13:55 | 258454 |
| Arsenic | NELAP | 0.0010 | | **0.0301** | mg/L | 5 | 06/24/2026 13:55 | 258454 |
| Lithium | * | 0.0030 | | **0.0077** | mg/L | 5 | 06/27/2026 16:56 | 258454 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 06/24/2026 13:55 | 258454 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 06/24/2026 13:55 | 258454 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 06/24/2026 11:55 | 258478 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **2.21** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Combined 226/228 Uncertainty | * | 0 | | **0.550** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 | * | 1.00 | | **1.40** | pci/L | 1 | 07/02/2026 10:05 | R387012 |
| Radium-226 Uncertainty | * | 0 | | **0.150** | +/- | 1 | 07/02/2026 10:05 | R387012 |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 07/01/2026 12:46 | R387012 |
| Radium-228 Uncertainty | * | 0 | | **0.400** | +/- | 1 | 07/01/2026 12:46 | R387012 |

# Receiving Check List

http://www.teklabinc.com/

**Client:** City Water, Light & Power
**Client Project:** FGDS Landfill

**Work Order:** 26060603
**Report Date:** 09-Jul-26

**Carrier:** Justin Colp

**Received By:** NK

**Completed by:** Emily Kossakoski
**On:** 17-Jun-26
Emily Kossakoski

**Reviewed by:** Amber Dilallo
**On:** 18-Jun-26
Amber Dilallo

**Pages to follow:** Chain of custody 2 Extra pages included 24

| | | | | |
|---|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ | Temp °C 15.3 |
| Type of thermal preservation? | None ☐ | Ice ☑ | Blue Ice ☐ | Dry Ice ☐ |
| Chain of custody present? | Yes ☑ | No ☐ | | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | | |
| Sample containers intact? | Yes ☑ | No ☐ | | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | | |
| All samples received within holding time? | Yes ☑ | No ☐ | | |
| Reported field parameters measured: | Field ☐ | Lab ☐ | NA ☑ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | | |
| *When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.* | | | | |
| Water – at least one vial per sample has zero headspace? | Yes ☐ | No ☐ | No VOA vials ☑ | |
| Water - TOX containers have zero headspace? | Yes ☐ | No ☐ | No TOX containers ☑ | |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | NA ☐ | |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes ☐ | No ☐ | NA ☑ | |

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

pH strip #104524. - NK/ekossakoski - 6/17/2026 3:18:09 PM

Samples were received on 6/18/26 at 1342 on ice [temp17.5C, 8.7C, 17.9C - LTG#9]. pH# 104524. Added nitric acid (110747) to G121, AW2. -NO/lhenson - 6/18/2026 2:16:16 PM

Print PDF

# CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 26060603

TEKLAB INC, 120 United Drive, Collinsville, IL 62234 Phone (618) 344-1004

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [x] ICE [ ] BLUE ICE [ ] NO ICE 15.3 °C 3
Preserved in: [ ] LAB [x] FIELD FOR LAB USE ONLY
LAB NOTES: PH 164524 NL 6/17/26

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo

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

PROJECT NAME/NUMBER: FGDS Landfill
SAMPLE COLLECTOR'S NAME: Justin Colp

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

BILLING INSTRUCTIONS

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers: UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | INDICATE ANALYSIS REQUESTED: Field parameters* | CI F SO4 TDS (T) | Metals (T)** | Radium-226 | Radium-228 | Field Turbidity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26060603-001 | R101 | | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| 002 | G121 | | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| 003 | G122 | | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| 004 | AW-2 | | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| 005 | P07D | 6-17 1016 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| 006 | AW-1 | | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| 007 | G120 | 6-17 1015 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| 008 | AW-4 | 6-17 1014 | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| 009 | AW-5 | | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| 010 | AW-6 | | Groundwater | 1 | 4 | | | | | | | | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| | | | Groundwater | | | | | | | | | | | | | | | |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| J. Colp | 6-17 1202 | [signature] | 6-17 1202 |
| | | | |
| | | | |
| | | | |
| | | | |

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

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# CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 26060603

TEKLAB INC, 120 United Drive, Collinsville, IL 62234 Phone (618) 344-1004

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 17.5, 18.2, 17.9C Hg9
Preserved in: [X] LAB [ ] FIELD FOR LAB USE ONLY
LAB NOTES: 1 Aw-5 bottle, 1 Aw-6 bottle NO 6/18/26
PH/ 104524 added HNO3 to 2/3 G121 bottles, 1 Aw-2 bottle

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

**Client Comments:**
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo

**PROJECT NAME/NUMBER**
FGDS Landfill

**SAMPLE COLLECTOR'S NAME**
Justin Colp

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

**BILLING INSTRUCTIONS**

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | Field parameters* | Cl F SO4 TDS (T) | Metals (T)** | Radium-226 | Radium-228 | Field Turbidity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26060603-001 | R101 | 6-18 1158 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 002 | G121 | 6-18 929 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 003 | G122 | 6-18 1100 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 004 | AW-2 | 6-18 1115 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 005 | P07D | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 006 | AW-1 | 6-18 1004 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 007 | G120 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 008 | AW-4 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 009 | AW-5 | 6-18 1002 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 010 | AW-6 | 6-18 1117 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | Groundwater | | | | | | | | | | | | | | | |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| J. Colp | 6-18-26 1342 | [signature] | 6/18/26 1342 |
| | | | |
| | | | |
| | | | |
| | | | |

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

*Alliance Technical Group - Akron*
*3310 Win St.*
*Cuyahoga Falls, Ohio 44223*
*TEL: (330) 253-8211*
*Website: http://www.settek.com*

July 07, 2026

Shelly Hennessy
TEKLAB Inc,
120 United Drive
Collinsville, IL 62234
TEL:
FAX:

RE: 26060603

Dear Shelly Hennessy:

Order No.: 26061760

Alliance Technical Group - Akron received 10 sample(s) on 6/22/2026 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

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

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0828, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

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# Case Narrative

WO#: **26061760**
Date: **7/7/2026**

**CLIENT:** TEKLAB Inc,
**Project:** 26060603

WorkOrder Narrative:
26061760: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Alliance Technical Group Work Order Number assigned to this report.

Alliance Technical Group holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Alliance Technical Group and that of the customer. It cannot be reproduced in any form without the consent of Alliance Technical Group or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Alliance Technical Group is not responsible for use or interpretation of the data included herein.

All results for solid samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Analytical Sequence Sample Notes:
26061760-001A Radium-228_NPW(904.0): Sample exhibits low yield, and is confirmed by DUP.
26061760-004A Radium-228_NPW(904.0): Sample exhibits low yield. Sample is an NPW.

Analytical Sequence QC Notes:
LCS/LCSD-97614 Radium-228_DW(904.0): LCS/LCSD demonstrate high RPD. Both results are within acceptable criteria individually.
26061760-001ADUP Radium-228_NPW(904.0): Sample exhibits low yield, and is confirmed by DUP.

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# Workorder Sample Summary

WO#: **26061760**

***07-Jul-26***

**CLIENT:** TEKLAB Inc,
**Project:** 26060603

| Lab SampleID | Client Sample ID | Tag No | Date Collected | Date Received | Matrix |
|---|---|---|---|---|---|
| 26061760-001 | 26060603-001 | | 6/18/2026 11:58:00 AM | 6/22/2026 10:45:00 AM | Non-Potable Water |
| 26061760-002 | 26060603-002 | | 6/18/2026 9:29:00 AM | 6/22/2026 10:45:00 AM | Non-Potable Water |
| 26061760-003 | 26060603-003 | | 6/18/2026 11:00:00 AM | 6/22/2026 10:45:00 AM | Non-Potable Water |
| 26061760-004 | 26060603-004 | | 6/18/2026 11:15:00 AM | 6/22/2026 10:45:00 AM | Non-Potable Water |
| 26061760-005 | 26060603-005 | | 6/17/2026 10:16:00 AM | 6/22/2026 10:45:00 AM | Non-Potable Water |
| 26061760-006 | 26060603-006 | | 6/18/2026 10:04:00 AM | 6/22/2026 10:45:00 AM | Non-Potable Water |
| 26061760-007 | 26060603-007 | | 6/17/2026 10:15:00 AM | 6/22/2026 10:45:00 AM | Non-Potable Water |
| 26061760-008 | 26060603-008 | | 6/17/2026 10:14:00 AM | 6/22/2026 10:45:00 AM | Non-Potable Water |
| 26061760-009 | 26060603-009 | | 6/18/2026 10:02:00 AM | 6/22/2026 10:45:00 AM | Non-Potable Water |
| 26061760-010 | 26060603-010 | | 6/18/2026 11:17:00 AM | 6/22/2026 10:45:00 AM | Non-Potable Water |

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# Analytical Report

(consolidated)

WO#: **26061760**

Date Reported: **7/7/2026**

**CLIENT:** TEKLAB Inc,

**Collection Date:** 6/18/2026 11:58:00 AM

**Project:** 26060603

**Lab ID:** 26061760-001

**Matrix:** NON-POTABLE WATER

**Client Sample ID:** 26060603-001

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| **COMBINED RADIUM (EPA903+904)** | | | | | | | |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.400 | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-226 (EPA 903.0)** | | | | | | | |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.100 | 1 | 7/2/2026 10:05:00 AM |
| Yield | 0.650 | | | | | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-228 (EPA 904.0)** | | | | | | | |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.300 | 1 | 7/1/2026 12:46:00 PM |
| Yield | 0.650 | | | | | 1 | 7/1/2026 12:46:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

Alliance Technical Group - Akron
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# Analytical Report

(consolidated)

WO#: **26061760**

Date Reported: **7/7/2026**

**CLIENT:** TEKLAB Inc,

**Collection Date:** 6/18/2026 9:29:00 AM

**Project:** 26060603

**Lab ID:** 26061760-002

**Matrix:** NON-POTABLE WATER

**Client Sample ID:** 26060603-002

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228 COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.480 | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228 RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0900 | 1 | 7/2/2026 10:05:00 AM |
| Yield | 0.960 | | | | | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228 RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.390 | 1 | 7/1/2026 12:46:00 PM |
| Yield | 0.730 | | | | | 1 | 7/1/2026 12:46:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

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# Analytical Report

(consolidated)

WO#: **26061760**

Date Reported: **7/7/2026**

**CLIENT:** TEKLAB Inc,

**Collection Date:** 6/18/2026 11:00:00 AM

**Project:** 26060603

**Lab ID:** 26061760-003

**Matrix:** NON-POTABLE WATER

**Client Sample ID:** 26060603-003

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| **COMBINED RADIUM (EPA903+904)** | | | | | | | |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.440 | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-226 (EPA 903.0)** | | | | | | | |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0900 | 1 | 7/2/2026 10:05:00 AM |
| Yield | 0.950 | | | | | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-228 (EPA 904.0)** | | | | | | | |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.350 | 1 | 7/1/2026 12:46:00 PM |
| Yield | 0.860 | | | | | 1 | 7/1/2026 12:46:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

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Website: http://www.settek.com

# Analytical Report

(consolidated)

WO#: **26061760**

Date Reported: **7/7/2026**

**CLIENT:** TEKLAB Inc,
**Project:** 26060603
**Lab ID:** 26061760-004
**Client Sample ID:** 26060603-004

**Collection Date:** 6/18/2026 11:15:00 AM
**Matrix:** NON-POTABLE WATER

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228 COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.580 | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228 RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.100 | 1 | 7/2/2026 10:05:00 AM |
| Yield | 0.930 | | | | | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228 RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.480 | 1 | 7/1/2026 12:46:00 PM |
| Yield | 0.600 | | | | | 1 | 7/1/2026 12:46:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

# Analytical Report

(consolidated)

WO#: **26061760**

Date Reported: **7/7/2026**

**CLIENT:** TEKLAB Inc,

**Collection Date:** 6/17/2026 10:16:00 AM

**Project:** 26060603

**Lab ID:** 26061760-005

**Matrix:** NON-POTABLE WATER

**Client Sample ID:** 26060603-005

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| **COMBINED RADIUM (EPA903+904)** | | | | | | | |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.460 | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-226 (EPA 903.0)** | | | | | | | |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.110 | 1 | 7/2/2026 10:05:00 AM |
| Yield | 1.00 | | | | | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-228 (EPA 904.0)** | | | | | | | |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.350 | 1 | 7/1/2026 12:46:00 PM |
| Yield | 1.00 | | | | | 1 | 7/1/2026 12:46:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

# Analytical Report

(consolidated)

WO#: **26061760**

Date Reported: **7/7/2026**

**CLIENT:** TEKLAB Inc,

**Collection Date:** 6/18/2026 10:04:00 AM

**Project:** 26060603

**Lab ID:** 26061760-006

**Matrix:** NON-POTABLE WATER

**Client Sample ID:** 26060603-006

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228 COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.420 | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228 RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0600 | 1 | 7/2/2026 10:05:00 AM |
| Yield | 0.830 | | | | | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228 RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.360 | 1 | 7/1/2026 12:46:00 PM |
| Yield | 0.830 | | | | | 1 | 7/1/2026 12:46:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

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# Analytical Report

(consolidated)

WO#: **26061760**

Date Reported: **7/7/2026**

**CLIENT:** TEKLAB Inc,
**Project:** 26060603
**Lab ID:** 26061760-007
**Client Sample ID:** 26060603-007

**Collection Date:** 6/17/2026 10:15:00 AM
**Matrix:** NON-POTABLE WATER

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228 COMBINED RADIUM (EPA903+904)** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.490 | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228 RADIUM-226 (EPA 903.0)** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.100 | 1 | 7/2/2026 10:05:00 AM |
| Yield | 1.00 | | | | | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228 RADIUM-228 (EPA 904.0)** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.390 | 1 | 7/1/2026 12:46:00 PM |
| Yield | 1.00 | | | | | 1 | 7/1/2026 12:46:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

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# Analytical Report

(consolidated)

WO#: **26061760**

Date Reported: **7/7/2026**

**CLIENT:** TEKLAB Inc,
**Project:** 26060603
**Lab ID:** 26061760-008
**Client Sample ID:** 26060603-008

**Collection Date:** 6/17/2026 10:14:00 AM
**Matrix:** NON-POTABLE WATER

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| **COMBINED RADIUM (EPA903+904)** | | | | | | | |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.370 | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-226 (EPA 903.0)** | | | | | | | |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0700 | 1 | 7/2/2026 10:05:00 AM |
| Yield | 1.00 | | | | | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-228 (EPA 904.0)** | | | | | | | |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.300 | 1 | 7/1/2026 12:46:00 PM |
| Yield | 1.00 | | | | | 1 | 7/1/2026 12:46:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

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# Analytical Report

(consolidated)

WO#: **26061760**

Date Reported: **7/7/2026**

**CLIENT:** TEKLAB Inc,

**Collection Date:** 6/18/2026 10:02:00 AM

**Project:** 26060603

**Lab ID:** 26061760-009

**Matrix:** NON-POTABLE WATER

**Client Sample ID:** 26060603-009

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| **COMBINED RADIUM (EPA903+904)** | | | | | | | |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.340 | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-226 (EPA 903.0)** | | | | | | | |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0700 | 1 | 7/2/2026 10:05:00 AM |
| Yield | 1.00 | | | | | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-228 (EPA 904.0)** | | | | | | | |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.270 | 1 | 7/1/2026 12:46:00 PM |
| Yield | 1.00 | | | | | 1 | 7/1/2026 12:46:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

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# Analytical Report

(consolidated)

WO#: **26061760**

Date Reported: **7/7/2026**

**CLIENT:** TEKLAB Inc,
**Project:** 26060603
**Lab ID:** 26061760-010
**Client Sample ID:** 26060603-010

**Collection Date:** 6/18/2026 11:17:00 AM
**Matrix:** NON-POTABLE WATER

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| **COMBINED RADIUM (EPA903+904)** | | | | | | | |
| Radium-226/Radium-228 | 2.21 | 2.00 | | pCi/L | ± 0.550 | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-226 (EPA 903.0)** | | | | | | | |
| Radium-226 | 1.40 | 1.00 | | pCi/L | ± 0.150 | 1 | 7/2/2026 10:05:00 AM |
| Yield | 1.00 | | | | | 1 | 7/2/2026 10:05:00 AM |
| **RAD226/228** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-228 (EPA 904.0)** | | | | | | | |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.400 | 1 | 7/1/2026 12:46:00 PM |
| Yield | 1.00 | | | | | 1 | 7/1/2026 12:46:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

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# Qualifiers and Acronyms

WO#: **26061760**
Date: **7/7/2026**

These commonly used Qualifiers and Acronyms may or may not be present in this report.

## Qualifiers

| | |
|---|---|
| **U** | The compound was analyzed for but was not detected above the MDL. |
| **J** | The reported value is greater than the Method Detection Limit but less than the Reporting Limit. |
| **H** | The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant. |
| **E** | The result exceeded the linear range of the calibration or is estimated due to interference. |
| **MC** | The result is below the Minimum Compound Limit. |
| ***** | The result exceeds the Regulatory Limit or Maximum Contamination Limit. |
| **m** | Manual integration was used to determine the area response. |
| **D** | Manual integration in which peak was deleted. |
| **N** | The result is presumptive based on a Mass Spectral library search assuming a 1:1 response. |
| **P** | The second column confirmation exceeded 25% difference. |
| **C** | The result has been confirmed by GC/MS. |
| **X** | The result was not confirmed when GC/MS Analysis was performed. |
| **B** | The analyte was detected in the Method Blank at a concentration greater than the RL. |
| **MB+** | The analyte was detected in the Method Blank at a concentration greater than the MDL. |
| **G** | The ICB or CCB contained reportable amounts of analyte. |
| **QC-/+** | The CCV recovery failed low (-) or high (+). |
| **R/QDR** | The RPD was outside of accepted recovery limits. |
| **QL-/+** | The LCS or LCSD recovery failed low (-) or high (+). |
| **QLR** | The LCS/LCSD RPD was outside of accepted recovery limits. |
| **QM-/+** | The MS or MSD recovery failed low (-) or high (+). |
| **QMR** | The MS/MSD RPD was outside of accepted recovery limits. |
| **QV-/+** | The ICV recovery failed low (-) or high (+). |
| **S** | The spike result was outside of accepted recovery limits. |
| **W** | Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant. |
| **Z** | A deviation from the method was performed; Please refer to the Case Narrative for additional information. |

## Acroynms

| | |
|---|---|
| **ND** | Not Detected |
| **QC** | Quality Control |
| **MB** | Method Blank |
| **LCS** | Laboratory Control Sample |
| **LCS** | Laboratory Control Sample Duplicate |
| **QCS** | Quality Control Sample |
| **DUP** | Duplicate |
| **MS** | Matrix Spike |
| **MSD** | Matrix Spike Duplicate |
| **RPD** | Relative Percent Different |
| **ICV** | Initial Calibration Verification |
| **ICB** | Initial Calibration Blank |
| **CCV** | Continuing Calibration Verification |
| **CCB** | Continuing Calibration Blank |
| **RLC** | Reporting Limit Check |
| **DF** | Dilution Factor |

| | |
|---|---|
| **RL** | Reporting Limit |
| **MDL** | Method Detection Limit |
| **LOD** | Level of Detection |
| **LOQ** | Level of Quantitation |
| **PQL** | Practical Quantitation Limit |
| **CRQL** | Contract Required Quantitation Limit |
| **PL** | Permit Limit |
| **RegLvl** | Regulatory Limit |
| **MCL** | Maximum Contamination Limit |
| **MinCL** | Minimum Compound Limit |
| **RA** | Reanalysis |
| **RE** | Reextraction |
| **TIC** | Tentatively Identified Compound |
| **RT** | Retention Time |
| **CF** | Calibration Factor |
| **RF** | Response Factor |

**This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.**

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# Accreditation Program Analytes Report

WO#: **26061760**

***07-Jul-26***

**Client:** TEKLAB Inc,
**State:** IL
**Project:** 26060603
**Program:** Illinois EPA

| Test Name | Matrix | Analyte | Status |
|---|---|---|---|
| Combined Radium (EPA903+904) | Non-Potable Water | Radium-226/Radium-228 | N |
| Radium-226 (EPA 903.0) | Non-Potable Water | Radium-226 | N |
| Radium-226 (EPA 903.0) | Non-Potable Water | Yield | N |
| Radium-228 (EPA 904.0) | Non-Potable Water | Radium-228 | N |
| Radium-228 (EPA 904.0) | Non-Potable Water | Yield | N |

| Accreditation (Acc.) Status Key | |
|---|---|
| A: Accredited | N: Not Accredited |
| P: Provisional | U: Unavailable |

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# DATES REPORT

WO#: **26061760**

***07-Jul-26***

**Client:** TEKLAB Inc,
**Project:** 26060603

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | Leachate Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|---|
| 26061760-001A | 26060603-001 | 6/18/2026 11:58:00 AM | Non-Potable Water | Combined Radium (EPA903+904) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 6/25/2026 11:42:49 AM | 7/1/2026 12:46:00 PM |
| 26061760-002A | 26060603-002 | 6/18/2026 9:29:00 AM | | Combined Radium (EPA903+904) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 6/25/2026 11:42:49 AM | 7/1/2026 12:46:00 PM |
| 26061760-003A | 26060603-003 | 6/18/2026 11:00:00 AM | | Combined Radium (EPA903+904) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 6/25/2026 11:42:49 AM | 7/1/2026 12:46:00 PM |
| 26061760-004A | 26060603-004 | 6/18/2026 11:15:00 AM | | Combined Radium (EPA903+904) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 6/25/2026 11:42:49 AM | 7/1/2026 12:46:00 PM |
| 26061760-005A | 26060603-005 | 6/17/2026 10:16:00 AM | | Combined Radium (EPA903+904) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 6/25/2026 11:42:49 AM | 7/1/2026 12:46:00 PM |
| 26061760-006A | 26060603-006 | 6/18/2026 10:04:00 AM | | Combined Radium (EPA903+904) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 6/25/2026 11:42:49 AM | 7/1/2026 12:46:00 PM |
| 26061760-007A | 26060603-007 | 6/17/2026 10:15:00 AM | | Combined Radium (EPA903+904) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 6/25/2026 11:42:49 AM | 7/1/2026 12:46:00 PM |
| 26061760-008A | 26060603-008 | 6/17/2026 10:14:00 AM | | Combined Radium (EPA903+904) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |

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Website: http://www.settek.com

# DATES REPORT

WO#: **26061760**

***07-Jul-26***

**Client:** TEKLAB Inc,
**Project:** 26060603

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | Leachate Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|---|
| 26061760-008A | 26060603-008 | 6/17/2026 10:14:00 AM | Non-Potable Water | Radium-228 (EPA 904.0) | | 6/25/2026 11:42:49 AM | 7/1/2026 12:46:00 PM |
| 26061760-009A | 26060603-009 | 6/18/2026 10:02:00 AM | | Combined Radium (EPA903+904) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 6/25/2026 11:42:49 AM | 7/1/2026 12:46:00 PM |
| 26061760-010A | 26060603-010 | 6/18/2026 11:17:00 AM | | Combined Radium (EPA903+904) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 6/25/2026 11:42:49 AM | 7/2/2026 10:05:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 6/25/2026 11:42:49 AM | 7/1/2026 12:46:00 PM |

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# QC SUMMARY REPORT

WO#: **26061760**

***07-Jul-26***

**Client:** TEKLAB Inc,
**Project:** 26060603 **BatchID:** **97614**

| Sample ID: **26061760-001ADUP** | SampType: **DUP** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240693** |
|---|---|---|---|---|---|
| Client ID: **26060603-001** | Batch ID: **97614** | TestNo: **E904.0** | **E903-904** | Analysis Date: **7/1/2026** | SeqNo: **6290117** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | ND | 1.00 | | 0 | 0 | | | 0 | 0 | 20 | |
| Yield | 0.560 | | | 0 | 0 | | | 0.6500 | 14.9 | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

Original

Alliance TECHNICAL GROUP

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# QC SUMMARY REPORT

WO#: **26061760**

***07-Jul-26***

**Client:** TEKLAB Inc,
**Project:** 26060603 **BatchID:** **97614**

| Sample ID: **MB-97614** | SampType: **MBLK** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240693** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E904.0** | **E903-904** | Analysis Date: **7/1/2026** | SeqNo: **6290104** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | ND | 1.00 | | 0 | 0 | | | | | | |
| Yield | 1.00 | | | 0 | 0 | | | | | | |

| Sample ID: **LCS-97614** | SampType: **LCS** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240693** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E904.0** | **E903-904** | Analysis Date: **7/1/2026** | SeqNo: **6290105** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 2.76 | 1.00 | 5.000 | 0 | 55.2 | 50 | 130 | | | | QLR |
| Yield | 0.860 | | | 0 | 0 | | | | | | |

| Sample ID: **LCSD-97614** | SampType: **LCSD** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240693** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E904.0** | **E903-904** | Analysis Date: **7/1/2026** | SeqNo: **6290106** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 3.83 | 1.00 | 5.000 | 0 | 76.6 | 50 | 130 | 2.760 | 32.5 | 20 | R |
| Yield | 0.950 | | | 0 | 0 | | | 0.8600 | 9.94 | | |

| Sample ID: **26061756-001ADUP** | SampType: **DUP** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240693** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E904.0** | **E903-904** | Analysis Date: **7/1/2026** | SeqNo: **6290114** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | ND | 1.00 | | 0 | 0 | | | 0 | 0 | 20 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: **26061760**

***07-Jul-26***

**Client:** TEKLAB Inc,
**Project:** 26060603 **BatchID:** **97614**

| Sample ID: **26061756-001ADUP** | SampType: **DUP** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240693** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E904.0** | **E903-904** | Analysis Date: **7/1/2026** | SeqNo: **6290114** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Yield | 0.870 | | | 0 | 0 | | | 0.8600 | 1.16 | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: **26061760**

***07-Jul-26***

**Client:** TEKLAB Inc,
**Project:** 26060603 **BatchID:** **97614**

| Sample ID: **26061760-001ADUP** | SampType: **DUP** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240703** |
|---|---|---|---|---|---|
| Client ID: **26060603-001** | Batch ID: **97614** | TestNo: **E903.0** | **E903-904** | Analysis Date: **7/2/2026** | SeqNo: **6290437** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | 0 | 0 | 30 | |
| Yield | 0.630 | | | | | | | 0.6500 | 3.13 | 0 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: **26061760**

***07-Jul-26***

**Client:** TEKLAB Inc,
**Project:** 26060603 **BatchID:** **97614**

| Sample ID: **MB-97614** | SampType: **MBLK** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240703** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E903.0** | **E903-904** | Analysis Date: **7/2/2026** | SeqNo: **6290424** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | | | | |
| Yield | 1.00 | | | | | | | | | | |

| Sample ID: **LCS-97614** | SampType: **LCS** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240703** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E903.0** | **E903-904** | Analysis Date: **7/2/2026** | SeqNo: **6290425** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 6.35 | 1.00 | 5.000 | 0 | 127 | 70 | 130 | | | | |

| Sample ID: **LCSD-97614** | SampType: **LCSD** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240703** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E903.0** | **E903-904** | Analysis Date: **7/2/2026** | SeqNo: **6290426** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 6.27 | 1.00 | 5.000 | 0 | 125 | 70 | 130 | 6.350 | 1.27 | 20 | |

| Sample ID: **26061756-001ADUP** | SampType: **DUP** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **6/25/2026** | RunNo: **240703** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **97614** | TestNo: **E903.0** | **E903-904** | Analysis Date: **7/2/2026** | SeqNo: **6290434** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | 0 | 0 | 20 | |
| Yield | 0.930 | | | | | | | 0.9500 | 2.13 | 0 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

Original

Pg ___ of ___

# TEKLAB, INC. Chain of Custody

120 United Drive, Collinsville, IL 62234 Phone (618) 344-1004

26061760

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

**Teklab Inc**
**120 United Drive**
**Collinsville, IL 62234**

Cooler Temp: Sampler: Client QC Level: 2

Comments: **Please Issue reports and invoices via email only**
SHIP to ATG-Akron. Please analyze for Radium 226/228 per your usual methods.
Any changes to analysis/methods must be approved by Teklab, Inc.
Batch QC and standard EDD are required. State of Sample Origin = IL

Project# 26060603

Contact: Shelly Hennessy Email: shennessy@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 41373 Phone: (618) 344-1004 x 1024

Temp: 21.3°C (21.2+0.1)

**PLEASE NOTE:**

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

| Lab Use | Sample ID | Sample Date/Time | Unpres | HNO3 | H2SO4 | NaOH | Other | Matrix | Radium 226/228 | Combined Radium | | | PH | CPM | PH | CPM | PH | CPM | PH | CPM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 26060603-001 | 6/18/26 1158 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | 2 | 40 | 1 | 35 | 3 | 26 | 1 | 38 |
| | 26060603-002 | 6/18/26 929 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | 2 | 42 | 2 | 30 | 3 | 32 | 2 | 40 |
| | 26060603-003 | 6/18/26 1100 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ✓ | ✔ | | | 2 | 36 | 2 | 24 | 3 | 40 | 1 | 42 |
| | 26060603-004 | 6/18/26 1115 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | 2 | 22 | 2 | 36 | 2 | 14 | | |
| | 26060603-005 | 6/17/26 1016 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | 2 | 24 | 2 | 24 | 2 | 12 | | |
| | 26060603-006 | 6/18/26 1004 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | 2 | 30 | 2 | 30 | 2 | 20 | | |
| | 26060603-007 | 6/17/26 1015 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | 2 | 22 | 2 | 36 | 2 | 40 | | |
| | 26060603-008 | 6/17/26 1014 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | 2 | 30 | 2 | 26 | 2 | 26 | | |
| | 26060603-009 | 6/18/26 1002 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | 2 | 23 | 2 | 24 | 1 | 32 | | |
| | 26060603-010 | 6/18/26 1117 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | | | | | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | | | | | | | | | |

| *Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| [signature] | 6/18/26 1700 | Paisa Yerin | 6/22/26 10:45 |
| | | | Fedex |
| | | | |
| | | | |
| | | | |

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



SubCocRevB
1/12/2026

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

# Sample Log-In Check List

Client Name: **TEK-IL-62234-A** Work Order Number: **26061760** RcptNo: **1**

| | | | |
|---|---|---|---|
| Logged by: | **Paige J. Yerick** | **6/22/2026 10:45:00 AM** | Paige Yerich |
| Completed By: | **Paige J. Yerick** | **6/23/2026 5:41:08 PM** | Paige Yerich |
| Reviewed By: | **Jennifer Woolf** | **6/23/2026 6:12:22 PM** | Jennifer Woolf |

## Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? FedEx

## Log In

3. Coolers are present? Yes ☑ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☑ No ☐
   Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☑ NA ☐
   No. Seal Date: Signed By:
5. Was an attempt made to cool the samples? Yes ☐ No ☑ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☑ NA ☐
   **Not required**
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? Yes ☑ No ☐
    (Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? Yes ☑ No ☐
    (If no, notify customer for authorization.)

## Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:
    007 = ph 3

**Cooler Information**

| Cooler No | Temp ºC | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 21.3 | Good | Not Present | | | |

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | R101 |
| **Project Location:** | Springfield IL | **Sample ID:** | 001 |
| **W.O. Number (s):** | 26060603 | **Date (s):** | 6/18/2026 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 70 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 6/18/26 11:36 AM

Static Water Level: 7.59 feet below TOC

Total Depth: 35.27 feet below TOC

Water Column: 27.68 feet

**Purging Activities**

Purged By: DC Purge Date: 6/18/2026

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 27.68 ft. x 0.022 = 0.61 L x 3 Vol. = 1.83 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 2.00 L

Physical appearance of purge water: Clear Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 11:36 | 0.0 | 91 | purge start time | | | | | | |
| 11:37 | 0.1 | ↓ | 7.00 | 1,063.50 | 16.49 | 2.22 | -31.90 | 4.89 | 7.92 |
| 11:40 | 0.4 | | 7.10 | 1,105.80 | 15.64 | 1.07 | -43.50 | 3.55 | 8.18 |
| 11:43 | 0.6 | | 7.12 | 1,104.50 | 14.96 | 0.64 | -52.10 | 8.45 | 8.39 |
| 11:46 | 0.9 | | 7.12 | 1,104.40 | 15.01 | 0.54 | -57.00 | 10.70 | 8.46 |
| 11:49 | 1.2 | | 7.11 | 1,091.30 | 15.77 | 0.61 | -59.10 | 13.16 | 8.68 |
| 11:52 | 1.5 | | 7.12 | 1,109.90 | 15.12 | 0.58 | -60.60 | 12.09 | 8.86 |
| 11:55 | 1.7 | | 7.12 | 1,105.90 | 15.06 | 0.47 | -62.70 | 14.66 | 9.02 |
| 11:58 | 2.0 | | 7.12 | 1,108.00 | 15.34 | 0.47 | -64.00 | 9.52 | 9.02 |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 6/18/2026 11:58

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 7.12 pH 1,108.00 Spec. Cond. 15.34 Temp

Field Filtered: No Filter Type:

Water Level: 9.03 feet below TOC Drawdown: 1.44 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44622

**Form Completed By:** Brett Gillihan **Date:** 6/18/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | G121 |
| **Project Location:** | Springfield IL | **Sample ID:** | 002 |
| **W.O. Number (s):** | 26060603 | **Date (s):** | 6/18/2026 |

**Field Team Members**

Name: Allison Lampe Affiliation: TekLab, Inc.

Name: Payton Yoch Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 67 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

**Well Observations**

| | | Locks | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | Protective Casing | X | |
| Casing | Good | Well | | X |
| Protective Casing | Good | | | |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 6/18/26 9:00 AM

Static Water Level: 27.78 feet below TOC

Total Depth: 58.56 feet below TOC

Water Column: 30.78 feet

**Purging Activities**

Purged By: PY Purge Date: 6/18/2026

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 30.78 ft. x 0.022 = 0.68 L x 3 Vol. = 2.04 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 2.00 L

Physical appearance of purge water: Clear Odor: None Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 9:00 | 0.0 | 69 | purge start time | | | | | | |
| 9:02 | 0.1 | ↓ | 7.18 | 1,537.50 | 16.57 | 3.82 | 288.20 | 16.46 | 27.78 |
| 9:05 | 0.3 | | 6.91 | 1,518.60 | 16.32 | 1.87 | 302.20 | 14.60 | 27.91 |
| 9:08 | 0.6 | | 6.85 | 1,524.20 | 16.28 | 1.67 | 306.30 | 10.03 | 27.97 |
| 9:11 | 0.8 | | 6.84 | 1,518.20 | 16.25 | 1.50 | 291.40 | 8.85 | 27.97 |
| 9:14 | 1.0 | | 6.85 | 1,515.50 | 16.08 | 1.31 | 258.00 | 8.81 | 27.99 |
| 9:17 | 1.2 | | 6.71 | 1,533.70 | 15.87 | 1.24 | -43.30 | 9.50 | 28.00 |
| 9:20 | 1.4 | | 6.67 | 1,563.80 | 15.74 | 1.15 | -81.70 | 8.98 | 28.00 |
| 9:23 | 1.6 | | 6.66 | 1,580.50 | 15.78 | 1.05 | -98.10 | 8.90 | 28.00 |
| 9:26 | 1.8 | | 6.66 | 1,584.70 | 15.76 | 0.97 | -106.50 | 8.68 | 28.01 |
| 9:29 | 2.0 | | 6.66 | 1,588.00 | 15.65 | 0.92 | -111.30 | 8.17 | 28.01 |

**Sampling Activities**

Sampled By: PY Sample Date/Time: 6/18/2026 9:29

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.66 pH 1,588.00 Spec. Cond. 15.65 Temp

Field Filtered: No Filter Type:

Water Level: 28.01 feet below TOC Drawdown: 0.23 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46864

**Form Completed By:** Allison Lampe **Date:** 6/18/2026

# Field Data Sheet

**Project Name:** FGDS Landfill
**Project Location:** Springfield IL
**W.O. Number (s):** 26060603
**Monitoring Point:** G122
**Sample ID:** 003
**Date (s):** 6/18/2026

**Field Team Members**

Name: Allison Lampe — Affiliation: TekLab, Inc.
Name: Payton Yoch — Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 67 °F — Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

**Well Observations**

| | | Locks | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | | | |
| Casing | Good | Protective Casing | | X |
| Protective Casing | Good | Well | | X |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 6/18/26 10:00 AM
Static Water Level: 28.84 feet below TOC
Total Depth: 49.29 feet below TOC
Water Column: 20.45 feet

**Purging Activities**

Purged By: PY — Purge Date: 6/18/2026
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 20.45 ft. x 0.022 = 0.45 L x 3 Vol. = 1.35 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 10:00 | 0.0 | 83 | purge start time | | | | | | |
| 10:03 | 0.2 | ↓ | 7.09 | 1,706.20 | 17.55 | 5.71 | 39.50 | 74.56 | 28.85 |
| 10:06 | 0.5 | | 6.78 | 1,729.10 | 15.59 | 1.87 | 9.80 | 40.07 | 28.85 |
| 10:09 | 0.7 | | 6.70 | 1,735.60 | 15.67 | 1.54 | -4.90 | 36.90 | 28.85 |
| 10:12 | 1.0 | | 6.68 | 1,735.40 | 15.65 | 1.38 | -13.80 | 37.45 | 28.86 |
| 10:15 | 1.3 | | 6.66 | 1,735.30 | 15.57 | 1.28 | -20.90 | 39.70 | 28.86 |
| 10:18 | 1.5 | | 7.01 | 11.70 | 15.93 | 9.71 | -37.30 | 90.10 | 28.86 |
| 10:21 | 1.8 | | 6.69 | 1,736.10 | 14.95 | 1.49 | -40.00 | 42.64 | 28.87 |
| 10:24 | 2.0 | | 6.65 | 1,739.20 | 14.99 | 1.10 | -46.10 | 39.44 | 28.89 |
| 10:27 | 2.3 | | 6.62 | 1,742.60 | 14.99 | 1.02 | -54.60 | 37.77 | 28.89 |
| 10:30 | 2.5 | | 6.61 | 1,748.20 | 15.03 | 0.97 | -64.60 | 35.79 | 28.90 |
| 10:33 | 2.8 | | 6.60 | 1,755.00 | 15.01 | 0.94 | -74.40 | 33.27 | 28.89 |
| 10:36 | 3.0 | | 6.58 | 1,757.80 | 15.04 | 0.91 | -83.10 | 34.48 | 28.90 |
| 10:39 | 3.3 | | 6.58 | 1,763.70 | 15.01 | 0.87 | -89.80 | 31.85 | 28.90 |
| 10:42 | 3.5 | | 6.57 | 1,766.20 | 15.10 | 0.85 | -94.30 | 31.51 | 28.90 |
| 10:45 | 3.8 | | 6.57 | 1,768.20 | 15.17 | 0.83 | -98.10 | 27.93 | 28.90 |
| 10:48 | 4.0 | | 6.57 | 1,770.00 | 15.14 | 0.81 | -100.60 | 26.93 | 28.90 |
| 10:51 | 4.3 | | 6.56 | 1,771.70 | 15.15 | 0.78 | -102.50 | 22.43 | 28.90 |
| 10:54 | 4.5 | | 6.56 | 1,770.00 | 15.33 | 0.77 | -103.70 | 33.77 | 28.90 |
| 10:57 | 4.8 | | 6.56 | 1,771.80 | 15.47 | 0.77 | -104.90 | 22.81 | 28.89 |
| 11:00 | 5.0 | | 6.56 | 1,772.50 | 15.88 | 0.76 | -105.90 | 22.32 | 28.90 |

**Sampling Activities**

Sampled By: PY — Sample Date/Time: 6/18/2026 11:00
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.56 pH — 1,772.50 Spec. Cond. — 15.88 Temp
Field Filtered: No — Filter Type:
Water Level: 28.90 feet below TOC — Drawdown: 0.06 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46864

**Form Completed By:** Allison Lampe — **Date:** 6/18/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | AW-2 |
| **Project Location:** | Springfield IL | **Sample ID:** | 004 |
| **W.O. Number (s):** | 26060603 | **Date (s):** | 6/18/2026 |

**Field Team Members**

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Affiliation:

**Weather Conditions**

Temp: 68 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

**Well Observations**

| | | | Locks | Yes | No |
|---|---|---|---|---|---|
| Well Pad | Good | | Protective Casing | | X |
| Casing | Good | | Well | | X |
| Protective Casing | Good | | | | |
| Reference Mark/Identification | Yes | | | | |

**Groundwater Level Measurements**

Date/Time Measured: 6/18/26 10:30 AM

Static Water Level: 3.45 feet below TOC

Total Depth: 32.64 feet below TOC

Water Column: 29.19 feet

**Purging Activities**

Purged By: JC Purge Date: 6/18/2026

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 29.19 ft. x 0.022 = 0.64 L x 3 Vol. = 1.92 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 10.00 L

Physical appearance of purge water: Clear Odor: None Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 10:30 | 0.0 | 222 | purge start time | | | | | | |
| 10:33 | 0.7 | ↓ | 6.71 | 989.30 | 14.44 | 1.37 | -22.70 | 67.36 | 3.45 |
| 10:36 | 1.3 | | 6.64 | 1,005.60 | 14.87 | 1.10 | -35.50 | 52.36 | 3.45 |
| 10:39 | 2.0 | | 6.59 | 1,024.70 | 14.78 | 0.90 | -44.60 | 47.89 | 3.45 |
| 10:42 | 2.7 | | 6.57 | 1,060.40 | 14.77 | 0.77 | -52.30 | 39.77 | 3.45 |
| 10:45 | 3.3 | | 6.46 | 1,069.00 | 14.73 | 0.70 | -60.30 | 36.47 | 3.45 |
| 10:48 | 4.0 | | 6.39 | 1,071.50 | 14.68 | 0.65 | -67.60 | 33.34 | 3.45 |
| 10:51 | 4.7 | | 6.33 | 1,102.30 | 14.72 | 0.61 | -73.20 | 35.31 | 3.45 |
| 10:54 | 5.3 | | 6.33 | 1,117.30 | 14.76 | 0.57 | -79.50 | 32.51 | 3.45 |
| 10:57 | 6.0 | | 6.42 | 1,118.10 | 14.83 | 0.55 | -85.10 | 28.37 | 3.45 |
| 11:00 | 6.7 | | 6.34 | 1,115.60 | 14.86 | 0.51 | -89.90 | 27.19 | 3.45 |
| 11:03 | 7.3 | | 6.30 | 1,115.00 | 15.03 | 0.49 | -93.90 | 22.41 | 3.45 |
| 11:06 | 8.0 | | 6.29 | 1,115.20 | 15.14 | 0.49 | -97.30 | 17.36 | 3.45 |
| 11:09 | 8.7 | | 6.31 | 1,115.20 | 15.05 | 0.48 | -100.20 | 13.63 | 3.45 |
| 11:12 | 9.3 | | 6.28 | 1,112.40 | 15.03 | 0.47 | -102.60 | 10.30 | 3.45 |
| 11:15 | 10.0 | | 6.33 | 1,112.50 | 15.01 | 0.47 | -104.70 | 8.92 | 3.45 |

**Sampling Activities**

Sampled By: JC Sample Date/Time: 6/18/2026 11:15

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.33 pH 1,112.50 Spec. Cond. 15.01 Temp

Field Filtered: No Filter Type:

Water Level: 3.45 feet below TOC Drawdown: 0.00 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

**Form Completed By:** Justin Colp **Date:** 6/18/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | P07D |
| **Project Location:** | Springfield IL | **Sample ID:** | 005 |
| **W.O. Number (s):** | 26060603 | **Date (s):** | 6/17/2026 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 69 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 6/17/26 9:16 AM

Static Water Level: 3.49 feet below TOC

Total Depth: 32.54 feet below TOC

Water Column: 29.05 feet

**Purging Activities**

Purged By: DC Purge Date: 6/17/2026

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 29.05 ft. x 0.022 = 0.64 L x 3 Vol. = 1.92 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 9:16 | 0.0 | 100 | purge start time | | | | | | |
| 9:58 | 4.2 | ↓ | 6.68 | 1,287.80 | 16.25 | 0.57 | -42.20 | 37.64 | 4.69 |
| 10:01 | 4.5 | | 6.68 | 1,284.80 | 16.22 | 0.56 | -44.60 | 32.34 | 4.69 |
| 10:04 | 4.8 | | 6.68 | 1,282.00 | 16.08 | 0.51 | -46.80 | 27.63 | 4.70 |
| 10:07 | 5.1 | | 6.69 | 1,281.80 | 15.92 | 0.49 | -49.10 | 27.57 | 4.70 |
| 10:10 | 5.4 | | 6.69 | 1,277.30 | 15.91 | 0.50 | -51.20 | 20.86 | 4.71 |
| 10:13 | 5.7 | | 6.69 | 1,277.60 | 15.97 | 0.49 | -53.10 | 21.32 | 4.70 |
| 10:16 | 6.0 | | 6.70 | 1,277.00 | 15.07 | 0.40 | -54.80 | 18.07 | 4.71 |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 6/17/2026 10:16

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.70 pH 1,277.00 Spec. Cond. 15.07 Temp

Field Filtered: No Filter Type:

Water Level: 4.70 feet below TOC Drawdown: 1.21 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44622

**Form Completed By:** Brett Gillihan **Date:** 6/17/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | AW-1 |
| **Project Location:** | Springfield IL | **Sample ID:** | 006 |
| **W.O. Number (s):** | 26060603 | **Date (s):** | 6/18/2026 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 67 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

**Well Observations**

| | | | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | **Locks** | | |
| Casing | Good | Protective Casing | | X |
| Protective Casing | Good | Well | | X |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 6/18/26 9:03 AM

Static Water Level: 14.56 feet below TOC

Total Depth: 54.81 feet below TOC

Water Column: 40.25 feet

**Purging Activities**

Purged By: DC Purge Date: 6/18/2026

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 40.25 ft. x 0.022 = 0.89 L x 3 Vol. = 2.67 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Cloudy Odor: None Color: Lt Yellow

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 9:03 | 0.0 | 98 | purge start time | | | | | | |
| 9:10 | 0.7 | ↓ | 6.80 | 1,340.50 | 15.65 | 1.47 | 99.50 | 103.49 | 15.34 |
| 9:13 | 1.0 | | 6.63 | 1,331.60 | 15.90 | 0.90 | 100.10 | 147.54 | 16.80 |
| 9:16 | 1.3 | | 6.61 | 1,326.60 | 15.98 | 0.84 | 97.40 | 138.55 | 16.21 |
| 9:19 | 1.6 | | 6.60 | 1,321.70 | 15.86 | 0.76 | 93.60 | 122.02 | 16.26 |
| 9:22 | 1.9 | | 6.60 | 1,319.10 | 15.77 | 0.72 | 89.50 | 101.39 | 16.35 |
| 9:25 | 2.2 | | 6.59 | 1,316.70 | 15.61 | 0.68 | 85.60 | 92.57 | 16.43 |
| 9:28 | 2.5 | | 6.59 | 1,315.30 | 15.70 | 0.64 | 81.70 | 73.03 | 16.48 |
| 9:31 | 2.8 | | 6.58 | 1,312.30 | 15.88 | 0.62 | 78.10 | 63.12 | 16.52 |
| 9:34 | 3.0 | | 6.58 | 1,313.10 | 16.12 | 0.61 | 74.80 | 53.51 | 16.53 |
| 9:37 | 3.3 | | 6.58 | 1,312.90 | 16.32 | 0.61 | 72.10 | 49.75 | 16.54 |
| 9:40 | 3.6 | | 6.57 | 1,314.40 | 16.68 | 0.61 | 69.40 | 48.91 | 16.57 |
| 9:43 | 3.9 | | 6.57 | 1,312.70 | 16.89 | 0.62 | 67.00 | 43.08 | 16.56 |
| 9:46 | 4.2 | | 6.57 | 1,317.40 | 16.91 | 0.63 | 64.40 | 43.57 | 16.63 |
| 9:49 | 4.5 | | 6.58 | 1,316.30 | 16.26 | 0.56 | 62.00 | 40.24 | 16.66 |
| 9:52 | 4.8 | | 6.58 | 1,313.30 | 16.04 | 0.52 | 59.40 | 32.53 | 16.71 |
| 9:55 | 5.1 | | 6.58 | 1,313.10 | 15.84 | 0.47 | 57.20 | 31.52 | 16.72 |
| 9:58 | 5.4 | | 6.58 | 1,311.60 | 15.90 | 0.45 | 55.00 | 26.79 | 16.75 |
| 10:01 | 5.7 | | 6.59 | 1,312.90 | 15.83 | 0.44 | 52.80 | 25.01 | 16.75 |
| 10:04 | 6.0 | | 6.59 | 1,311.70 | 15.74 | 0.43 | 50.80 | 25.60 | 16.76 |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 6/18/2026 10:04

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.59 pH 1,311.70 Spec. Cond. 15.74 Temp

Field Filtered: No Filter Type:

Water Level: 16.78 feet below TOC Drawdown: 2.22 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44622

**Form Completed By:** Brett Gillihan **Date:** 6/18/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | G120 |
| **Project Location:** | Springfield IL | **Sample ID:** | 007 |
| **W.O. Number (s):** | 26060603 | **Date (s):** | 6/17/2026 |

**Field Team Members**

Name: Allison Lampe Affiliation: TekLab, Inc.

Name: Payton Yoch Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 69 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 6/17/26 9:17 AM

Static Water Level: 16.91 feet below TOC

Total Depth: 50.37 feet below TOC

Water Column: 33.46 feet

**Purging Activities**

Purged By: PY Purge Date: 6/17/2026

Purge Method: Submersible Pump Well Diameter: 2"

Purge Volume Calculation (L): 33.46 ft. x 0.022 = 0.74 L x 3 Vol. = 2.22 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 10.00 L

Physical appearance of purge water: Cloudy Odor: Moderate Color: Black

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 9:10 | 0.0 | 167 | purge start time | | | | | | |
| 10:00 | 8.3 | ↓ | 6.59 | 1,931.60 | 15.38 | -0.02 | -128.40 | 19.23 | 17.29 |
| 10:03 | 8.8 | | 6.59 | 1,930.70 | 15.20 | -0.03 | -129.50 | 18.26 | 17.29 |
| 10:06 | 9.3 | | 6.65 | 1,928.90 | 15.92 | 3.76 | -117.00 | 20.57 | 17.30 |
| 10:09 | 9.8 | | 6.59 | 1,919.30 | 15.88 | 0.27 | -120.40 | 58.99 | 17.30 |
| 10:12 | 10.3 | | 6.59 | 1,913.60 | 16.77 | 0.12 | -122.80 | 65.25 | 17.30 |
| 10:15 | 10.8 | | 6.61 | 1,914.80 | 16.45 | 0.07 | -124.60 | 58.53 | 17.30 |

**Sampling Activities**

Sampled By: PY Sample Date/Time: 6/17/2026 10:15

Sample Method: Low Flow Sample Equipment: Submersible Pump

Sample Parameters: 6.61 pH 1,914.80 Spec. Cond. 16.45 Temp

Field Filtered: No Filter Type:

Water Level: 17.34 feet below TOC Drawdown: 0.43 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46864

**Form Completed By:** Allison Lampe **Date:** 6/17/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | AW-4 |
| **Project Location:** | Springfield IL | **Sample ID:** | 008 |
| **W.O. Number (s):** | 26060603 | **Date (s):** | 6/17/2026 |

**Field Team Members**

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: — Affiliation:

**Weather Conditions**

Temp: 69 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 6/17/26 9:09 AM

Static Water Level: 17.97 feet below TOC

Total Depth: 56.67 feet below TOC

Water Column: 38.70 feet

**Purging Activities**

Purged By: JC — Purge Date: 6/17/2026

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 38.7 ft. x 0.022 = 0.85 L x 3 Vol. = 2.55 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 11.00 L

Physical appearance of purge water: Cloudy — Odor: None — Color: lt brown

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 9:14 | 0.0 | 183 | purge start time | | | | | | |
| 9:55 | 7.5 | ↓ | 6.52 | 1,365.40 | 17.12 | 1.00 | 69.70 | 32.04 | 18.23 |
| 9:58 | 8.1 | | 6.45 | 1,369.30 | 17.27 | 0.99 | 61.80 | 33.08 | 18.26 |
| 10:02 | 8.8 | | 6.42 | 1,371.90 | 17.20 | 0.94 | 46.80 | 34.96 | 18.31 |
| 10:05 | 9.4 | | 6.42 | 1,370.30 | 17.01 | 0.91 | 33.20 | 36.01 | 18.34 |
| 10:08 | 9.9 | | 6.42 | 1,367.20 | 16.68 | 0.89 | 20.10 | 38.41 | 18.36 |
| 10:11 | 10.5 | | 6.32 | 1,361.00 | 16.98 | 0.87 | 7.20 | 38.66 | 18.39 |
| 10:14 | 11.0 | | 6.44 | 1,357.70 | 17.24 | 0.92 | -6.40 | 32.35 | 18.41 |

**Sampling Activities**

Sampled By: JC — Sample Date/Time: 6/17/2026 10:14

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.44 pH — 1,357.70 Spec. Cond. — 17.24 Temp

Field Filtered: No — Filter Type:

Water Level: 18.44 feet below TOC — Drawdown: 0.47 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

**Form Completed By:** Justin Colp — **Date:** 6/17/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | AW-5 |
| **Project Location:** | Springfield IL | **Sample ID:** | 009 |
| **W.O. Number (s):** | 26060603 | **Date (s):** | 6/18/2026 |

**Field Team Members**

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: — Affiliation:

**Weather Conditions**

Temp: 66 °F — Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 6/18/26 8:56 AM

Static Water Level: 22.98 feet below TOC

Total Depth: 59.06 feet below TOC

Water Column: 36.08 feet

**Purging Activities**

Purged By: JC — Purge Date: 6/18/2026

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 36.08 ft. x 0.022 = 0.79 L x 3 Vol. = 2.37 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 12.00 L

Physical appearance of purge water: Slightly cloudy — Odor: Slight — Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 9:00 | 0.0 | 194 | purge start time | | | | | | |
| 9:02 | 0.4 | ↓ | 7.84 | 991.70 | 17.06 | 4.60 | 56.40 | 16.88 | 23.22 |
| 9:05 | 1.0 | | 7.17 | 931.60 | 16.38 | 2.01 | -14.00 | 56.82 | 23.22 |
| 9:08 | 1.5 | | 6.84 | 924.30 | 16.09 | 1.42 | -38.60 | 41.07 | 23.22 |
| 9:11 | 2.1 | | 6.76 | 920.90 | 15.96 | 1.16 | -54.90 | 33.24 | 23.22 |
| 9:14 | 2.7 | | 6.72 | 919.60 | 15.76 | 1.01 | -66.70 | 36.62 | 23.22 |
| 9:17 | 3.3 | | 6.69 | 918.70 | 15.71 | 0.91 | -75.50 | 19.75 | 23.22 |
| 9:20 | 3.9 | | 6.66 | 919.00 | 15.68 | 0.85 | -82.50 | 27.65 | 23.22 |
| 9:23 | 4.5 | | 6.62 | 924.60 | 15.66 | 0.81 | -88.00 | 36.02 | 23.22 |
| 9:26 | 5.0 | | 6.59 | 932.60 | 15.62 | 0.77 | -92.60 | 43.75 | 23.22 |
| 9:29 | 5.6 | | 6.57 | 950.80 | 15.64 | 0.74 | -96.70 | 58.15 | 23.22 |
| 9:32 | 6.2 | | 6.58 | 969.90 | 15.64 | 0.70 | -100.50 | 39.46 | 23.22 |
| 9:35 | 6.8 | | 6.58 | 974.50 | 15.70 | 0.68 | -104.30 | 50.83 | 23.22 |
| 9:38 | 7.4 | | 7.15 | 974.20 | 15.79 | 0.66 | -107.40 | 58.78 | 23.22 |
| 9:41 | 7.9 | | 6.76 | 977.00 | 15.89 | 0.65 | -109.70 | 71.32 | 23.22 |
| 9:44 | 8.5 | | 6.66 | 976.50 | 15.91 | 0.65 | -111.40 | 45.15 | 23.22 |
| 9:47 | 9.1 | | 6.53 | 973.00 | 15.80 | 0.63 | -112.80 | 66.48 | 23.22 |
| 9:50 | 9.7 | | 6.52 | 967.60 | 15.71 | 0.61 | -113.80 | 52.63 | 23.22 |
| 9:53 | 10.3 | | 6.49 | 968.60 | 15.71 | 0.60 | -114.50 | 65.32 | 23.22 |
| 9:56 | 10.8 | | 6.49 | 965.20 | 15.80 | 0.59 | -115.20 | 56.63 | 23.22 |
| 9:59 | 11.4 | | 6.46 | 967.30 | 15.80 | 0.59 | -115.80 | 57.52 | 23.22 |
| 10:02 | 12.0 | | 6.43 | 964.60 | 15.74 | 0.59 | -116.30 | 65.53 | 23.22 |

**Sampling Activities**

Sampled By: JC — Sample Date/Time: 6/18/2026 10:02

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.43 pH — 964.60 Spec. Cond. — 15.74 Temp

Field Filtered: No — Filter Type:

Water Level: 23.22 feet below TOC — Drawdown: 0.24 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

**Form Completed By:** Justin Colp — **Date:** 6/18/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | AW-6 |
| **Project Location:** | Springfield IL | **Sample ID:** | 010 |
| **W.O. Number (s):** | 26060603 | **Date (s):** | 6/18/2026 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 69 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| Locks | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 6/18/26 10:16 AM

Static Water Level: 1.86 feet below TOC

Total Depth: 33.44 feet below TOC

Water Column: 31.58 feet

**Purging Activities**

Purged By: DC Purge Date: 6/18/2026

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 31.58 ft. x 0.022 = 0.69 L x 3 Vol. = 2.07 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 10:16 | 0.0 | 98 | purge start time | | | | | | |
| 10:17 | 0.1 | ↓ | 7.35 | 7.40 | 18.47 | 7.78 | 69.60 | 6.50 | 1.88 |
| 10:20 | 0.4 | | 6.79 | 1,760.80 | 14.65 | 0.91 | 81.80 | 32.96 | 1.98 |
| 10:23 | 0.7 | | 6.76 | 1,789.90 | 15.17 | 0.58 | 62.60 | 36.24 | 1.98 |
| 10:26 | 1.0 | | 6.77 | 1,792.70 | 15.25 | 0.52 | 42.60 | 38.09 | 1.98 |
| 10:29 | 1.3 | | 6.78 | 1,792.40 | 15.20 | 0.49 | 23.50 | 45.79 | 1.98 |
| 10:32 | 1.6 | | 6.79 | 1,792.80 | 15.06 | 0.46 | 7.00 | 45.18 | 1.98 |
| 10:35 | 1.9 | | 6.79 | 1,795.70 | 14.97 | 0.44 | -6.30 | 42.36 | 1.98 |
| 10:38 | 2.2 | | 6.80 | 1,795.40 | 14.96 | 0.41 | -16.50 | 41.72 | 1.98 |
| 10:41 | 2.5 | | 6.80 | 1,797.00 | 15.00 | 0.39 | -24.40 | 42.61 | 1.98 |
| 10:44 | 2.8 | | 6.80 | 1,796.90 | 14.99 | 0.37 | -30.90 | 46.49 | 1.98 |
| 10:47 | 3.0 | | 6.80 | 1,797.50 | 14.86 | 0.35 | -36.30 | 38.28 | 1.98 |
| 10:50 | 3.3 | | 6.80 | 1,796.20 | 15.00 | 0.35 | -41.00 | 38.02 | 1.99 |
| 10:53 | 3.6 | | 6.80 | 1,797.60 | 15.12 | 0.35 | -45.20 | 34.91 | 1.98 |
| 10:56 | 3.9 | | 6.80 | 1,803.70 | 15.17 | 0.33 | -49.20 | 31.54 | 1.98 |
| 10:59 | 4.2 | | 6.79 | 1,802.30 | 15.58 | 0.32 | -53.00 | 34.65 | 1.98 |
| 11:02 | 4.5 | | 6.78 | 1,802.20 | 16.30 | 0.36 | -56.10 | 28.78 | 1.98 |
| 11:05 | 4.8 | | 6.79 | 1,811.30 | 16.37 | 0.35 | -59.10 | 30.16 | 1.98 |
| 11:08 | 5.1 | | 6.79 | 1,815.90 | 16.42 | 0.36 | -61.90 | 32.43 | 1.98 |
| 11:11 | 5.4 | | 6.80 | 1,819.10 | 16.13 | 0.34 | -64.30 | 37.48 | 1.98 |
| 11:14 | 5.7 | | 6.81 | 1,808.70 | 16.07 | 0.33 | -66.50 | 40.83 | 1.98 |
| 11:17 | 6.0 | | 6.80 | 1,811.80 | 16.09 | 0.34 | -68.20 | 38.29 | 1.98 |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 6/18/2026 11:17

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.80 pH 1,811.80 Spec. Cond. 16.09 Temp

Field Filtered: No Filter Type:

Water Level: 1.98 feet below TOC Drawdown: 0.12 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44622

**Form Completed By:** Brett Gillihan **Date:** 6/18/2026

**Site Samping Event:** FG DS Landfill
**LIMS Workorder:** 26060603
**Technician(s):** DC, JC, BG, AL, PY

**Field Calibration Log(s)**
**CWLP- 2Q 2026**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 44622 Technician(s): Brett Gillihan Date: 6/17/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC260305A | 4 | 125.2 | 6/17/26 9:16 |
| 7.0 Buffer | WC260305B | 7.00 | -41.30 | 6/17/26 9:16 |
| 10.0 Buffer | WC260305C | 10.00 | -219.80 | 6/17/26 9:16 |
| LCS/CCV (7.0 Buffer) | WC260305D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1412 | 6/17/26 9:16 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.7 | 6/17/26 9:16 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-1-BG | LCS | 6/17/26 9:16 | 19.3 | 7.01 | 1,412 | 0.1 | | |
| CCV-1-BG | CCV | 6/17/26 10:24 | 19.5 | 7.00 | 1,413 | 0.11 | | |

**Comments:**

Field Meter ID: Pine 44622 Technician(s): Brett Gilllihan Date: 6/18/2027

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC260305A | 4.00 | 130.40 | 6/18/26 8:47 |
| 7.0 Buffer | WC260305B | 7.00 | -47.10 | 6/18/26 8:43 |
| 10.0 Buffer | WC260305C | 10.00 | -202.90 | 6/18/26 8:50 |
| LCS/CCV (7.0 Buffer) | WC260305D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1412 | 6/18/26 8:54 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.11 | 6/18/26 8:57 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-2-BG | LCS | 6/18/26 8:59 | 19.5 | 7.01 | 1,412 | 0.08 | | |
| CCV-2-BG | CCV | 6/18/26 12:08 | 21.2 | 7.00 | 1,414 | 0.1 | | |

**Comments:**

**Site Samping Event:** FG DS Landfill
**LIMS Workorder:** 26060603
**Technician(s):** DC, JC, BG, AL, PY

**Field Calibration Log(s)**
**CWLP- 2Q 2026**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 217941 Technician(s): justin colp Date: 6/17/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC260305A | 4 | 45.4 | 6/17/26 8:40 |
| 7.0 Buffer | WC260305B | 7.00 | -141.30 | 6/17/26 8:36 |
| 10.0 Buffer | WC260305C | 10.00 | -212.20 | 6/17/26 8:46 |
| LCS/CCV (7.0 Buffer) | WC260305D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1412 | 6/17/26 8:51 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 1.77 | 6/17/26 8:55 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-1-JC | LCS | 6/17/26 9:05 | 20.9 | 7.01 | 1,408 | 1.71 | | |
| CCV-1-JC | CCV | 6/17/26 10:20 | 21.1 | 6.97 | 1,387 | 2.02 | | |

**Comments:**

Field Meter ID: Pine 217941 Technician(s): justin colp Date: 6/18/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC260305A | 4.00 | -3.60 | 6/18/26 8:37 |
| 7.0 Buffer | WC260305B | 7.00 | -153.20 | 6/18/26 8:33 |
| 10.0 Buffer | WC260305C | 10.00 | -293.70 | 6/18/26 8:43 |
| LCS/CCV (7.0 Buffer) | WC260305D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1412 | 6/18/26 8:49 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 1.01 | 6/18/26 8:50 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-2-JC | LCS | 6/18/26 8:50 | 25.3 | 6.98 | 1,409 | 0.97 | | |
| CCV-2-JC | CCV | 6/18/26 11:31 | 25.2 | 6.95 | 1,448 | 0.99 | | |

**Comments:**

**Site Samping Event:** FG DS Landfill
**LIMS Workorder:** 26060603
**Technician(s):** DC, JC, BG, AL, PY

**Field Calibration Log(s)**
**CWLP- 2Q 2026**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 46864 Technician(s): A.Lampe Date: 6/17/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC260305A | 4 | 128.8 | 6/17/26 8:31 |
| 7.0 Buffer | WC260305B | 7.00 | -47.70 | 6/17/26 8:35 |
| 10.0 Buffer | WC260305C | 10.00 | -208.60 | 6/17/26 8:39 |
| LCS/CCV (7.0 Buffer) | WC260305D | LCS/CCV (7.00 | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1412 | 6/17/26 8:44 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.34 | 6/17/26 8:49 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-1-AL | LCS | 6/17/26 8:56 | 19.5 | 7.07 | 1,410 | 0.34 | | |
| CCV-1-AL | CCV | 6/17/26 10:24 | 19.5 | 7.00 | 1,426 | 0.87 | | |

**Comments:**

Field Meter ID: Pine 46864 Technician(s): A.Lampe Date: 6/18/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC260305A | 4.00 | 126.70 | 6/18/26 8:39 |
| 7.0 Buffer | WC260305B | 7.00 | -49.80 | 6/18/26 8:41 |
| 10.0 Buffer | WC260305C | 10.00 | -214.10 | 6/18/26 8:45 |
| LCS/CCV (7.0 Buffer) | WC260305D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 110375 | 1412 | 6/18/26 8:47 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.73 | 6/18/26 8:51 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-2-AL | LCS | 6/18/26 8:52 | 22.7 | 7.08 | 1,411 | 0.73 | | |
| CCV-2-AL | CCV | 6/18/26 12:01 | 22.7 | 7.05 | 1,409 | 0.98 | | |

**Comments:**

August 31, 2026

Eric Staley
City Water, Light & Power
3100 Stevenson Drive
2nd Floor Maintenance Building
Springfield, IL 62712
TEL: (217) 757-8610
FAX: (217) 757-8615

| | |
|---|---|
| Illinois | 100467 |
| Kansas | E-10374 |
| Kansas | E-10438 |
| Louisiana | 05002 |
| Oklahoma | 9978 |

**RE:** FGDS Landfill **WorkOrder:** 26071206

Dear Eric Staley:

TEKLAB, INC received 8 samples on 7/27/2026 3:20:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004
SHennessy@teklabinc.com

# Report Contents

http://www.teklabinc.com/

**Client:** City Water, Light & Power
**Work Order:** 26071206
**Client Project:** FGDS Landfill
**Report Date:** 31-Aug-26

**This reporting package includes the following:**


| | |
|---|---|
| Cover Letter | 1 |
| Report Contents | 2 |
| Definitions | 3 |
| Case Narrative | 5 |
| Accreditations | 6 |
| Laboratory Results | 7 |
| Receiving Check List | 22 |
| Chain of Custody | Appended |

**Client:** City Water, Light & Power **Work Order:** 26071206

**Client Project:** FGDS Landfill **Report Date:** 31-Aug-26

## Abbr Definition

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

# Definitions



**Client:** City Water, Light & Power
**Work Order:** 26071206
**Client Project:** FGDS Landfill
**Report Date:** 31-Aug-26

## Qualifiers

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

# Case Narrative

http://www.teklabinc.com/

**Client:** City Water, Light & Power
**Client Project:** FGDS Landfill

**Work Order:** 26071206
**Report Date:** 31-Aug-26

**Cooler Receipt Temp:** 22.9 °C

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

Radium-226 & -228 analysis was performed by Alliance Technical Group. See attached report for results.

## Locations


### Collinsville

**Address** 120 United Drive
Collinsville, IL 62234-7433
**Phone** (618) 344-1004
**Fax**
**Email** jhriley@teklabinc.com

### Springfield

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

### Kansas City

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

### Chicago

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

**Client:** City Water, Light & Power

**Work Order:** 26071206

**Client Project:** FGDS Landfill

**Report Date:** 31-Aug-26

| State | Dept | Cert # | NELAP | Exp Date | Lab |
|---|---|---|---|---|---|
| Illinois | IEPA | 100467 | NELAP | 1/31/2027 | Collinsville |
| Kansas | KDHE | E-10438 | NELAP | 7/31/2026 | Collinsville |
| Kansas | KDHE | E-10374 | NELAP | 4/30/2027 | Collinsville |
| Louisiana | LDEQ | 05002 | NELAP | 6/30/2027 | Collinsville |
| Oklahoma | ODEQ | 9978 | NELAP | 12/31/2026 | Collinsville |
| Arkansas | ADEQ | 88-0966 | | 3/14/2027 | Collinsville |
| Illinois | IDPH | 17584 | | 5/31/2027 | Collinsville |
| Iowa | IDNR | 430 | | 6/1/2028 | Collinsville |
| Kansas | KDHE | E-92716 | | 1/31/2027 | Collinsville |
| Kentucky | KWLCP | KY98050 | | 12/31/2026 | Collinsville |
| Kentucky | KWLCP | KY98006 | | 12/31/2026 | Collinsville |
| Kentucky | UST | 0073 | | 1/31/2027 | Collinsville |
| Louisiana | LDEQ | 05003 | | 6/30/2026 | Collinsville |
| Mississippi | MSDH | | | 4/30/2026 | Collinsville |
| Missouri | MDNR | 00930 | | 10/31/2026 | Collinsville |
| Missouri | MDNR | 930 | | 1/31/2028 | Collinsville |

**Client:** City Water, Light & Power **Work Order:** 26071206

**Client Project:** FGDS Landfill **Report Date:** 31-Aug-26

**Lab ID:** 26071206-001 **Client Sample ID:** R101

**Matrix:** GROUNDWATER **Collection Date:** 07/22/2026 13:14

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **511.53** | ft | 1 | 07/22/2026 13:14 | R388348 |
| Depth to water | * | -5.00 | | **3.66** | ft | 1 | 07/22/2026 13:14 | R388348 |
| Depth to water from measuring point | * | 0 | | **6.46** | ft | 1 | 07/22/2026 13:14 | R388348 |
| Elevation of groundwater surface | * | 0 | | **540.34** | ft | 1 | 07/22/2026 13:14 | R388348 |
| Measuring Point Elevation | * | 0 | | **546.80** | ft | 1 | 07/22/2026 13:14 | R388348 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.80** | ft | 1 | 07/22/2026 13:14 | R388348 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **9.6** | NTU | 1 | 07/22/2026 13:14 | R388348 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **62.2** | °F | 1 | 07/22/2026 13:14 | R388348 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **7.06** | | 1 | 07/22/2026 13:14 | R388348 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1290** | µmhos/cm @25C | 1 | 07/22/2026 13:14 | R388348 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **972** | mg/L | 1 | 07/23/2026 13:35 | R387989 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 08/03/2026 21:10 | R388408 |
| Chloride | NELAP | 5.00 | | **111** | mg/L | 10 | 08/03/2026 21:10 | R388408 |
| Sulfate | NELAP | 10.0 | | **265** | mg/L | 10 | 08/03/2026 21:10 | R388408 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.290** | mg/L | 1 | 07/28/2026 18:14 | 260025 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 07/28/2026 18:14 | 260025 |
| Boron | NELAP | 0.0200 | | **0.140** | mg/L | 1 | 07/28/2026 18:14 | 260025 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 07/28/2026 18:14 | 260025 |
| Calcium | NELAP | 0.100 | | **142** | mg/L | 1 | 07/28/2026 18:14 | 260025 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/28/2026 18:14 | 260025 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/28/2026 18:14 | 260025 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 07/28/2026 18:14 | 260025 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 07/28/2026 18:14 | 260025 |
| *Cd -CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/29/2026 22:53 | 260025 |
| Arsenic | NELAP | 0.0010 | | **0.0018** | mg/L | 5 | 08/01/2026 0:27 | 260025 |
| Lithium | * | 0.0030 | | **0.0149** | mg/L | 5 | 07/30/2026 18:02 | 260025 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 08/01/2026 0:27 | 260025 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 07/29/2026 22:53 | 260025 |
| *LCS recovered outside upper control limits for Tl. Sample results are below the reporting limit. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 07/23/2026 10:28 | 260026 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 08/22/2026 9:55 | R389872 |
| Combined 226/228 Uncertainty | * | 0 | | **0.960** | +/- | 1 | 08/22/2026 9:55 | R389872 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 08/22/2026 9:55 | R389872 |
| Radium-226 Uncertainty | * | 0 | | **0.070** | +/- | 1 | 08/22/2026 9:55 | R389872 |

**Client:** City Water, Light & Power
**Work Order:** 26071206
**Client Project:** FGDS Landfill
**Report Date:** 31-Aug-26
**Lab ID:** 26071206-001
**Client Sample ID:** R101
**Matrix:** GROUNDWATER
**Collection Date:** 07/22/2026 13:14

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Radium-228 | * | 1.00 | | **1.42** | pci/L | 1 | 08/21/2026 14:42 | R389872 |
| Radium-228 Uncertainty | * | 0 | | **0.890** | +/- | 1 | 08/21/2026 14:42 | R389872 |

**Client:** City Water, Light & Power **Work Order:** 26071206

**Client Project:** FGDS Landfill **Report Date:** 31-Aug-26

**Lab ID:** 26071206-002 **Client Sample ID:** G121

**Matrix:** GROUNDWATER **Collection Date:** 07/23/2026 12:52

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **497.04** | ft | 1 | 07/23/2026 12:52 | R388348 |
| Depth to water | * | -5.00 | | **25.97** | ft | 1 | 07/23/2026 12:52 | R388348 |
| Depth to water from measuring point | * | 0 | | **27.84** | ft | 1 | 07/23/2026 12:52 | R388348 |
| Elevation of groundwater surface | * | 0 | | **527.76** | ft | 1 | 07/23/2026 12:52 | R388348 |
| Measuring Point Elevation | * | 0 | | **555.60** | ft | 1 | 07/23/2026 12:52 | R388348 |
| Measuring Point Height Above Land Surface | * | 0 | | **1.87** | ft | 1 | 07/23/2026 12:52 | R388348 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **7.4** | NTU | 1 | 07/23/2026 12:52 | R388348 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **60.6** | °F | 1 | 07/23/2026 12:52 | R388348 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.96** | | 1 | 07/23/2026 12:52 | R388348 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1560** | µmhos/cm @25C | 1 | 07/23/2026 12:52 | R388348 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1130** | mg/L | 1 | 07/24/2026 10:33 | R388043 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 07/27/2026 20:17 | R388053 |
| Chloride | NELAP | 5.00 | | **28.7** | mg/L | 10 | 07/27/2026 20:17 | R388053 |
| Sulfate | NELAP | 10.0 | | **326** | mg/L | 10 | 07/27/2026 20:17 | R388053 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | B | **0.633** | mg/L | 1 | 07/27/2026 17:02 | 260103 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 07/27/2026 17:02 | 260103 |
| Boron | NELAP | 0.0200 | | **3.83** | mg/L | 1 | 07/27/2026 17:02 | 260103 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 07/27/2026 17:02 | 260103 |
| Calcium | NELAP | 0.100 | | **186** | mg/L | 1 | 07/27/2026 17:02 | 260103 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/27/2026 17:02 | 260103 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/27/2026 17:02 | 260103 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 07/27/2026 17:02 | 260103 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 07/27/2026 17:02 | 260103 |
| *Sample result(s) for Ba exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/29/2026 21:16 | 260103 |
| Arsenic | NELAP | 0.0010 | | **0.0177** | mg/L | 5 | 08/01/2026 1:59 | 260103 |
| Lithium | * | 0.0030 | | **0.0086** | mg/L | 5 | 07/29/2026 21:16 | 260103 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/29/2026 21:16 | 260103 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 07/29/2026 21:16 | 260103 |
| *LCS recovered outside upper control limits for Tl. Sample results are below the reporting limit. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 07/27/2026 9:39 | 260102 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 08/22/2026 9:55 | R389872 |
| Combined 226/228 Uncertainty | * | 0 | | **0.840** | +/- | 1 | 08/22/2026 9:55 | R389872 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 08/22/2026 9:55 | R389872 |
| Radium-226 Uncertainty | * | 0 | | **0.060** | +/- | 1 | 08/22/2026 9:55 | R389872 |

**Client:** City Water, Light & Power
**Work Order:** 26071206
**Client Project:** FGDS Landfill
**Report Date:** 31-Aug-26
**Lab ID:** 26071206-002
**Client Sample ID:** G121
**Matrix:** GROUNDWATER
**Collection Date:** 07/23/2026 12:52

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 08/21/2026 14:42 | R389872 |
| Radium-228 Uncertainty | * | 0 | | **0.780** | +/- | 1 | 08/21/2026 14:42 | R389872 |

**Client:** City Water, Light & Power **Work Order:** 26071206

**Client Project:** FGDS Landfill **Report Date:** 31-Aug-26

**Lab ID:** 26071206-003 **Client Sample ID:** G122

**Matrix:** GROUNDWATER **Collection Date:** 07/24/2026 9:55

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **505.11** | ft | 1 | 07/24/2026 9:55 | R388348 |
| Depth to water | * | -5.00 | | **26.16** | ft | 1 | 07/24/2026 9:55 | R388348 |
| Depth to water from measuring point | * | 0 | | **27.90** | ft | 1 | 07/24/2026 9:55 | R388348 |
| Elevation of groundwater surface | * | 0 | | **526.50** | ft | 1 | 07/24/2026 9:55 | R388348 |
| Measuring Point Elevation | * | 0 | | **554.40** | ft | 1 | 07/24/2026 9:55 | R388348 |
| Measuring Point Height Above Land Surface | * | 0 | | **1.74** | ft | 1 | 07/24/2026 9:55 | R388348 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **2.0** | NTU | 1 | 07/24/2026 9:55 | R388348 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **58.7** | °F | 1 | 07/24/2026 9:55 | R388348 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.54** | | 1 | 07/24/2026 9:55 | R388348 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1860** | µmhos/cm @25C | 1 | 07/24/2026 9:55 | R388348 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1490** | mg/L | 1 | 07/27/2026 9:22 | R388126 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 07/27/2026 20:55 | R388053 |
| Chloride | NELAP | 5.00 | | **38.3** | mg/L | 10 | 07/27/2026 20:55 | R388053 |
| Sulfate | NELAP | 10.0 | | **572** | mg/L | 10 | 07/27/2026 20:55 | R388053 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | B | **0.433** | mg/L | 1 | 07/27/2026 17:03 | 260103 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 07/27/2026 17:03 | 260103 |
| Boron | NELAP | 0.0200 | | **11.2** | mg/L | 1 | 07/27/2026 17:03 | 260103 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 07/27/2026 17:03 | 260103 |
| Calcium | NELAP | 0.100 | | **233** | mg/L | 1 | 07/27/2026 17:03 | 260103 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/27/2026 17:03 | 260103 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/27/2026 17:03 | 260103 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 07/27/2026 17:03 | 260103 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 07/27/2026 17:03 | 260103 |
| *Sample result(s) for Ba exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/29/2026 21:20 | 260103 |
| Arsenic | NELAP | 0.0010 | | **0.0031** | mg/L | 5 | 08/01/2026 2:04 | 260103 |
| Lithium | * | 0.0030 | | **0.0077** | mg/L | 5 | 07/29/2026 21:20 | 260103 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/29/2026 21:20 | 260103 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 07/29/2026 21:20 | 260103 |
| *LCS recovered outside upper control limits for Tl. Sample results are below the reporting limit. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 07/28/2026 10:09 | 260142 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 08/22/2026 9:55 | R389872 |
| Combined 226/228 Uncertainty | * | 0 | | **0.960** | +/- | 1 | 08/22/2026 9:55 | R389872 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 08/22/2026 9:55 | R389872 |
| Radium-226 Uncertainty | * | 0 | | **0.040** | +/- | 1 | 08/22/2026 9:55 | R389872 |

**Client:** City Water, Light & Power
**Work Order:** 26071206
**Client Project:** FGDS Landfill
**Report Date:** 31-Aug-26
**Lab ID:** 26071206-003
**Client Sample ID:** G122
**Matrix:** GROUNDWATER
**Collection Date:** 07/24/2026 9:55

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Radium-228 | * | 1.00 | | **1.31** | pci/L | 1 | 08/21/2026 14:42 | R389872 |
| Radium-228 Uncertainty | * | 0 | | **0.920** | +/- | 1 | 08/21/2026 14:42 | R389872 |

**Client:** City Water, Light & Power **Work Order:** 26071206

**Client Project:** FGDS Landfill **Report Date:** 31-Aug-26

**Lab ID:** 26071206-004 **Client Sample ID:** AW-2

**Matrix:** GROUNDWATER **Collection Date:** 07/23/2026 10:58

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **497.34** | ft | 1 | 07/23/2026 10:58 | R388348 |
| Depth to water | * | -5.00 | | **-0.09** | ft | 1 | 07/23/2026 10:58 | R388348 |
| Depth to water from measuring point | * | 0 | | **3.21** | ft | 1 | 07/23/2026 10:58 | R388348 |
| Elevation of groundwater surface | * | 0 | | **526.77** | ft | 1 | 07/23/2026 10:58 | R388348 |
| Measuring Point Elevation | * | 0 | | **529.98** | ft | 1 | 07/23/2026 10:58 | R388348 |
| Measuring Point Height Above Land Surface | * | 0 | | **3.30** | ft | 1 | 07/23/2026 10:58 | R388348 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **9.7** | NTU | 1 | 07/23/2026 10:58 | R388348 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **61.9** | °F | 1 | 07/23/2026 10:58 | R388348 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.90** | | 1 | 07/23/2026 10:58 | R388348 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1240** | µmhos/cm @25C | 1 | 07/23/2026 10:58 | R388348 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **792** | mg/L | 1 | 07/24/2026 10:33 | R388043 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 07/27/2026 21:07 | R388053 |
| Chloride | NELAP | 5.00 | | **25.7** | mg/L | 10 | 07/27/2026 21:07 | R388053 |
| Sulfate | NELAP | 10.0 | | **138** | mg/L | 10 | 07/27/2026 21:07 | R388053 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | B | **0.440** | mg/L | 1 | 07/27/2026 17:05 | 260103 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 07/27/2026 17:05 | 260103 |
| Boron | NELAP | 0.0200 | | **2.58** | mg/L | 1 | 07/27/2026 17:05 | 260103 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 07/27/2026 17:05 | 260103 |
| Calcium | NELAP | 0.100 | | **154** | mg/L | 1 | 07/27/2026 17:05 | 260103 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/27/2026 17:05 | 260103 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/27/2026 17:05 | 260103 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 07/27/2026 17:05 | 260103 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 07/27/2026 17:05 | 260103 |
| *Sample result(s) for Ba exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/29/2026 21:24 | 260103 |
| Arsenic | NELAP | 0.0010 | | **0.0098** | mg/L | 5 | 08/01/2026 2:08 | 260103 |
| Lithium | * | 0.0030 | | **0.0071** | mg/L | 5 | 07/29/2026 21:24 | 260103 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/29/2026 21:24 | 260103 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 07/29/2026 21:24 | 260103 |
| *LCS recovered outside upper control limits for Tl. Sample results are below the reporting limit. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 07/27/2026 9:41 | 260102 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 08/22/2026 9:55 | R389872 |
| Combined 226/228 Uncertainty | * | 0 | | **0.930** | +/- | 1 | 08/22/2026 9:55 | R389872 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 08/22/2026 9:55 | R389872 |
| Radium-226 Uncertainty | * | 0 | | **0.070** | +/- | 1 | 08/22/2026 9:55 | R389872 |

**Client:** City Water, Light & Power
**Work Order:** 26071206
**Client Project:** FGDS Landfill
**Report Date:** 31-Aug-26
**Lab ID:** 26071206-004
**Client Sample ID:** AW-2
**Matrix:** GROUNDWATER
**Collection Date:** 07/23/2026 10:58

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Radium-228 | * | 1.00 | | **1.27** | pci/L | 1 | 08/21/2026 14:42 | R389872 |
| Radium-228 Uncertainty | * | 0 | | **0.860** | +/- | 1 | 08/21/2026 14:42 | R389872 |

**Client:** City Water, Light & Power **Work Order:** 26071206

**Client Project:** FGDS Landfill **Report Date:** 31-Aug-26

**Lab ID:** 26071206-005 **Client Sample ID:** P07D

**Matrix:** GROUNDWATER **Collection Date:** 07/23/2026 11:38

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **495.71** | ft | 1 | 07/23/2026 11:38 | R388348 |
| Depth to water | * | -5.00 | | **-0.16** | ft | 1 | 07/23/2026 11:38 | R388348 |
| Depth to water from measuring point | * | 0 | | **2.84** | ft | 1 | 07/23/2026 11:38 | R388348 |
| Elevation of groundwater surface | * | 0 | | **525.41** | ft | 1 | 07/23/2026 11:38 | R388348 |
| Measuring Point Elevation | * | 0 | | **528.25** | ft | 1 | 07/23/2026 11:38 | R388348 |
| Measuring Point Height Above Land Surface | * | 0 | | **3.00** | ft | 1 | 07/23/2026 11:38 | R388348 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **9.6** | NTU | 1 | 07/23/2026 11:38 | R388348 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **59.9** | °F | 1 | 07/23/2026 11:38 | R388348 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.85** | | 1 | 07/23/2026 11:38 | R388348 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1470** | µmhos/cm @25C | 1 | 07/23/2026 11:38 | R388348 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1080** | mg/L | 1 | 07/24/2026 10:33 | R388043 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 07/27/2026 21:20 | R388053 |
| Chloride | NELAP | 5.00 | | **30.1** | mg/L | 10 | 07/27/2026 21:20 | R388053 |
| Sulfate | NELAP | 10.0 | | **298** | mg/L | 10 | 07/27/2026 21:20 | R388053 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | B | **0.743** | mg/L | 1 | 07/27/2026 17:06 | 260103 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 07/27/2026 17:06 | 260103 |
| Boron | NELAP | 0.0200 | | **4.43** | mg/L | 1 | 07/27/2026 17:06 | 260103 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 07/27/2026 17:06 | 260103 |
| Calcium | NELAP | 0.100 | | **174** | mg/L | 1 | 07/27/2026 17:06 | 260103 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/27/2026 17:06 | 260103 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/27/2026 17:06 | 260103 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 07/27/2026 17:06 | 260103 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 07/27/2026 17:06 | 260103 |
| *Sample result(s) for Ba exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/29/2026 21:28 | 260103 |
| Arsenic | NELAP | 0.0010 | | **0.0305** | mg/L | 5 | 08/01/2026 2:12 | 260103 |
| Lithium | * | 0.0030 | | **0.0089** | mg/L | 5 | 07/29/2026 21:28 | 260103 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/29/2026 21:28 | 260103 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 07/29/2026 21:28 | 260103 |
| *LCS recovered outside upper control limits for Tl. Sample results are below the reporting limit. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 07/27/2026 9:47 | 260102 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 08/22/2026 9:55 | R389872 |
| Combined 226/228 Uncertainty | * | 0 | | **0.760** | +/- | 1 | 08/22/2026 9:55 | R389872 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 08/22/2026 9:55 | R389872 |
| Radium-226 Uncertainty | * | 0 | | **0.070** | +/- | 1 | 08/22/2026 9:55 | R389872 |

**Client:** City Water, Light & Power
**Work Order:** 26071206
**Client Project:** FGDS Landfill
**Report Date:** 31-Aug-26
**Lab ID:** 26071206-005
**Client Sample ID:** P07D
**Matrix:** GROUNDWATER
**Collection Date:** 07/23/2026 11:38

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 08/21/2026 14:42 | R389872 |
| Radium-228 Uncertainty | * | 0 | | **0.690** | +/- | 1 | 08/21/2026 14:42 | R389872 |

**Client:** City Water, Light & Power **Work Order:** 26071206

**Client Project:** FGDS Landfill **Report Date:** 31-Aug-26

**Lab ID:** 26071206-006 **Client Sample ID:** AW-4

**Matrix:** GROUNDWATER **Collection Date:** 07/27/2026 13:39

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **495.89** | ft | 1 | 07/27/2026 13:39 | R388348 |
| Depth to water | * | -5.00 | | **22.77** | ft | 1 | 07/27/2026 13:39 | R388348 |
| Depth to water from measuring point | * | 0 | | **22.44** | ft | 1 | 07/27/2026 13:39 | R388348 |
| Elevation of groundwater surface | * | 0 | | **530.12** | ft | 1 | 07/27/2026 13:39 | R388348 |
| Measuring Point Elevation | * | 0 | | **552.56** | ft | 1 | 07/27/2026 13:39 | R388348 |
| Measuring Point Height Above Land Surface | * | 0 | | **0** | ft | 1 | 07/27/2026 13:39 | R388348 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **110** | NTU | 1 | 07/27/2026 13:39 | R388348 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **67.1** | °F | 1 | 07/27/2026 13:39 | R388348 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.89** | | 1 | 07/27/2026 13:39 | R388348 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1000** | µmhos/cm @25C | 1 | 07/27/2026 13:39 | R388348 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **602** | mg/L | 1 | 07/28/2026 9:21 | R388191 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 08/03/2026 21:22 | R388408 |
| Chloride | NELAP | 5.00 | | **23.7** | mg/L | 10 | 08/03/2026 21:22 | R388408 |
| Sulfate | NELAP | 10.0 | | **15.0** | mg/L | 10 | 08/03/2026 21:22 | R388408 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.317** | mg/L | 1 | 07/28/2026 16:34 | 260196 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 07/28/2026 16:34 | 260196 |
| Boron | NELAP | 0.0200 | | **0.202** | mg/L | 1 | 07/28/2026 16:34 | 260196 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 07/28/2026 16:34 | 260196 |
| Calcium | NELAP | 0.100 | | **119** | mg/L | 1 | 07/28/2026 16:34 | 260196 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/28/2026 16:34 | 260196 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/28/2026 16:34 | 260196 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 07/28/2026 16:34 | 260196 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 07/28/2026 16:34 | 260196 |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **0.0011** | mg/L | 5 | 08/12/2026 11:50 | 261873 |
| Arsenic | NELAP | 0.0010 | | **0.0084** | mg/L | 5 | 08/03/2026 20:38 | 260196 |
| Lithium | * | 0.0030 | | **0.0139** | mg/L | 5 | 08/05/2026 18:07 | 260196 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 08/03/2026 20:38 | 260196 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 08/03/2026 20:38 | 260196 |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 07/30/2026 11:47 | 260290 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 08/13/2026 7:39 | R389872 |
| Combined 226/228 Uncertainty | * | 0 | | **0.630** | +/- | 1 | 08/13/2026 7:39 | R389872 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 08/13/2026 7:39 | R389872 |
| Radium-226 Uncertainty | * | 0 | | **0.050** | +/- | 1 | 08/13/2026 7:39 | R389872 |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 08/12/2026 13:15 | R389872 |
| Radium-228 Uncertainty | * | 0 | | **0.580** | +/- | 1 | 08/12/2026 13:15 | R389872 |

**Client:** City Water, Light & Power **Work Order:** 26071206

**Client Project:** FGDS Landfill **Report Date:** 31-Aug-26

**Lab ID:** 26071206-007 **Client Sample ID:** AW-5

**Matrix:** GROUNDWATER **Collection Date:** 07/23/2026 14:28

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **492.77** | ft | 1 | 07/23/2026 14:28 | R388348 |
| Depth to water | * | -5.00 | | **23.92** | ft | 1 | 07/23/2026 14:28 | R388348 |
| Depth to water from measuring point | * | 0 | | **23.48** | ft | 1 | 07/23/2026 14:28 | R388348 |
| Elevation of groundwater surface | * | 0 | | **528.35** | ft | 1 | 07/23/2026 14:28 | R388348 |
| Measuring Point Elevation | * | 0 | | **551.83** | ft | 1 | 07/23/2026 14:28 | R388348 |
| Measuring Point Height Above Land Surface | * | 0 | | **0** | ft | 1 | 07/23/2026 14:28 | R388348 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **130** | NTU | 1 | 07/23/2026 14:28 | R388348 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **61.7** | °F | 1 | 07/23/2026 14:28 | R388348 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.96** | | 1 | 07/23/2026 14:28 | R388348 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **1080** | µmhos/cm @25C | 1 | 07/23/2026 14:28 | R388348 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **646** | mg/L | 1 | 07/24/2026 10:33 | R388043 |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 07/27/2026 21:33 | R388053 |
| Chloride | NELAP | 5.00 | | **23.9** | mg/L | 10 | 07/27/2026 21:33 | R388053 |
| Sulfate | NELAP | 10.0 | | **23.0** | mg/L | 10 | 07/27/2026 21:33 | R388053 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | B | **0.289** | mg/L | 1 | 07/27/2026 17:08 | 260103 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 07/27/2026 17:08 | 260103 |
| Boron | NELAP | 0.0200 | | **0.220** | mg/L | 1 | 07/27/2026 17:08 | 260103 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 07/27/2026 17:08 | 260103 |
| Calcium | NELAP | 0.100 | | **114** | mg/L | 1 | 07/27/2026 17:08 | 260103 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/27/2026 17:08 | 260103 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/27/2026 17:08 | 260103 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 07/27/2026 17:08 | 260103 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 07/27/2026 17:08 | 260103 |
| *Sample result(s) for Ba exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/29/2026 21:33 | 260103 |
| Arsenic | NELAP | 0.0010 | | **0.0096** | mg/L | 5 | 08/01/2026 2:37 | 260103 |
| Lithium | * | 0.0030 | | **0.0196** | mg/L | 5 | 07/29/2026 21:33 | 260103 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/30/2026 17:07 | 260103 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 07/29/2026 21:33 | 260103 |
| *LCS recovered outside upper control limits for Tl. Sample results are below the reporting limit. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 07/27/2026 9:49 | 260102 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **ND** | pci/L | 1 | 08/13/2026 7:39 | R389872 |
| Combined 226/228 Uncertainty | * | 0 | | **0.640** | +/- | 1 | 08/13/2026 7:39 | R389872 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 08/13/2026 7:39 | R389872 |
| Radium-226 Uncertainty | * | 0 | | **0.060** | +/- | 1 | 08/13/2026 7:39 | R389872 |

**Client:** City Water, Light & Power
**Work Order:** 26071206
**Client Project:** FGDS Landfill
**Report Date:** 31-Aug-26
**Lab ID:** 26071206-007
**Client Sample ID:** AW-5
**Matrix:** GROUNDWATER
**Collection Date:** 07/23/2026 14:28

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Radium-228 | * | 1.00 | | **ND** | pci/L | 1 | 08/12/2026 13:15 | R389872 |
| Radium-228 Uncertainty | * | 0 | | **0.580** | +/- | 1 | 08/12/2026 13:15 | R389872 |

**Client:** City Water, Light & Power **Work Order:** 26071206

**Client Project:** FGDS Landfill **Report Date:** 31-Aug-26

**Lab ID:** 26071206-008 **Client Sample ID:** AW-6

**Matrix:** GROUNDWATER **Collection Date:** 07/22/2026 11:27

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **FIELD ELEVATION MEASUREMENTS** | | | | | | | | |
| Bottom of well elevation | * | 0 | | **493.67** | ft | 1 | 07/22/2026 11:27 | R388348 |
| Depth to water | * | -5.00 | | **-1.38** | ft | 1 | 07/22/2026 11:27 | R388348 |
| Depth to water from measuring point | * | 0 | | **1.06** | ft | 1 | 07/22/2026 11:27 | R388348 |
| Elevation of groundwater surface | * | 0 | | **526.05** | ft | 1 | 07/22/2026 11:27 | R388348 |
| Measuring Point Elevation | * | 0 | | **527.11** | ft | 1 | 07/22/2026 11:27 | R388348 |
| Measuring Point Height Above Land Surface | * | 0 | | **2.44** | ft | 1 | 07/22/2026 11:27 | R388348 |
| **STANDARD METHODS 2130 B FIELD** | | | | | | | | |
| Turbidity | * | 1.0 | | **9.8** | NTU | 1 | 07/22/2026 11:27 | R388348 |
| **STANDARD METHODS 2550 B FIELD** | | | | | | | | |
| Temperature | * | 0 | | **57.9** | °F | 1 | 07/22/2026 11:27 | R388348 |
| **SW-846 9040B** | | | | | | | | |
| pH, Field | * | 1.00 | | **6.86** | | 1 | 07/22/2026 11:27 | R388348 |
| **SW-846 9050A** | | | | | | | | |
| Spec. Conductance, Field | * | 1.00 | | **2060** | µmhos/cm @25C | 1 | 07/22/2026 11:27 | R388348 |
| **STANDARD METHODS 2540 C (TOTAL) 2020** | | | | | | | | |
| Total Dissolved Solids | NELAP | 20 | | **1240** | mg/L | 1 | 07/23/2026 13:35 | R387989 |
| *Stable weight could not be achieved after multiple cycles of drying, cooling, and weighing. Final weight is reported.* | | | | | | | | |
| **SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY** | | | | | | | | |
| Fluoride | NELAP | 0.50 | | **ND** | mg/L | 10 | 08/03/2026 22:01 | R388408 |
| Chloride | NELAP | 5.00 | | **415** | mg/L | 10 | 08/03/2026 22:01 | R388408 |
| Sulfate | NELAP | 10.0 | | **96.5** | mg/L | 10 | 08/03/2026 22:01 | R388408 |
| **SW-846 3005A, 6010B, METALS BY ICP (TOTAL)** | | | | | | | | |
| Barium | NELAP | 0.0025 | | **0.898** | mg/L | 1 | 07/28/2026 18:16 | 260025 |
| Beryllium | NELAP | 0.0005 | | **< 0.0005** | mg/L | 1 | 07/28/2026 18:16 | 260025 |
| Boron | NELAP | 0.0200 | | **9.13** | mg/L | 1 | 07/28/2026 18:16 | 260025 |
| Cadmium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 1 | 07/28/2026 18:16 | 260025 |
| Calcium | NELAP | 0.100 | | **231** | mg/L | 1 | 07/28/2026 18:16 | 260025 |
| Chromium | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/28/2026 18:16 | 260025 |
| Cobalt | NELAP | 0.0050 | | **< 0.0050** | mg/L | 1 | 07/28/2026 18:16 | 260025 |
| Lead | NELAP | 0.0075 | | **< 0.0075** | mg/L | 1 | 07/28/2026 18:16 | 260025 |
| Molybdenum | NELAP | 0.0100 | | **< 0.0100** | mg/L | 1 | 07/28/2026 18:16 | 260025 |
| *Cd -CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.* | | | | | | | | |
| **SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Antimony | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 07/29/2026 22:57 | 260025 |
| Arsenic | NELAP | 0.0010 | | **0.0250** | mg/L | 5 | 08/01/2026 0:31 | 260025 |
| Lithium | * | 0.0030 | | **0.0101** | mg/L | 5 | 07/30/2026 18:06 | 260025 |
| Selenium | NELAP | 0.0010 | | **< 0.0010** | mg/L | 5 | 08/01/2026 0:31 | 260025 |
| Thallium | NELAP | 0.0020 | | **< 0.0020** | mg/L | 5 | 07/29/2026 22:57 | 260025 |
| *LCS recovered outside upper control limits for Tl. Sample results are below the reporting limit. Data is reportable per the TNI Standard.* | | | | | | | | |
| **SW-846 7470A (TOTAL)** | | | | | | | | |
| Mercury | NELAP | 0.00020 | | **< 0.00020** | mg/L | 1 | 07/23/2026 10:35 | 260026 |
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Combined 226/228 | * | 2.00 | | **2.64** | pci/L | 1 | 08/13/2026 7:39 | R389872 |
| Combined 226/228 Uncertainty | * | 0 | | **0.870** | +/- | 1 | 08/13/2026 7:39 | R389872 |
| Radium-226 | * | 1.00 | | **ND** | pci/L | 1 | 08/13/2026 7:39 | R389872 |

**Client:** City Water, Light & Power
**Work Order:** 26071206
**Client Project:** FGDS Landfill
**Report Date:** 31-Aug-26
**Lab ID:** 26071206-008
**Client Sample ID:** AW-6
**Matrix:** GROUNDWATER
**Collection Date:** 07/22/2026 11:27

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 903.0/904.0, RADIUM 226/228** | | | | | | | | |
| Radium-226 Uncertainty | * | 0 | | **0.080** | +/- | 1 | 08/13/2026 7:39 | R389872 |
| Radium-228 | * | 1.00 | | **2.64** | pci/L | 1 | 08/12/2026 13:15 | R389872 |
| Radium-228 Uncertainty | * | 0 | | **0.790** | +/- | 1 | 08/12/2026 13:15 | R389872 |

# Receiving Check List

http://www.teklabinc.com/

**Client:** City Water, Light & Power
**Client Project:** FGDS Landfill

**Work Order:** 26071206
**Report Date:** 31-Aug-26

**Carrier:** Frank Barthol

**Received By:** CS

**Completed by:** Laura E Henson
**On:** 22-Jul-26

**Reviewed by:** Amber Dilallo
**On:** 27-Jul-26

**Pages to follow:** Chain of custody 4 Extra pages included 35

| | | | | |
|---|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ | Temp °C 22.9 |
| Type of thermal preservation? | None ☐ | Ice ☑ | Blue Ice ☐ | Dry Ice ☐ |
| Chain of custody present? | Yes ☑ | No ☐ | | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | | |
| Sample containers intact? | Yes ☑ | No ☐ | | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | | |
| All samples received within holding time? | Yes ☑ | No ☐ | | |
| Reported field parameters measured: | Field ☑ | Lab ☐ | NA ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | | |
| *When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.* | | | | |
| Water – at least one vial per sample has zero headspace? | Yes ☐ | No ☐ | No VOA vials ☑ | |
| Water - TOX containers have zero headspace? | Yes ☐ | No ☐ | No TOX containers ☑ | |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | NA ☐ | |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes ☐ | No ☐ | NA ☑ | |

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

pH strip #104524. -CRS/ lhenson - 7/22/2026 4:15:45 PM

Samples G121, AW-2, P07D, and AW-5 were received on 7/23/26 at 16:20 on ice 22.1 C 22.7C - #9. pH strip #104524. Additional Nitric Acid (112051) was needed for G121 upon arrival at the laboratory. - JD/kmoore - 7/24/2026 9:14:33 AM

Sample G122 was received on 7/24/26 at 13:00 on ice [8.7 C, 14.5 C - LTG#9]. pH strip #104524. - JD/kmoore - 7/24/2026 1:53:49 PM

AW-4 was received on 7/27/2026 at 15:20 on ice [24.9 C - LTG#3]. pH strip #104524. - kmoore - 7/27/2026 4:10:13 PM

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# CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 26071206

TEKLAB INC, 120 United Drive, Collinsville, IL 62234 Phone (618) 344-1004

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 22.9 °C 9
Preserved in: [ ] LAB [X] FIELD FOR LAB USE ONLY
LAB NOTES: PHV 104524 CRS 7.22.26

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

**Client Comments:**
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo

**PROJECT NAME/NUMBER**
FGDS Landfill

**SAMPLE COLLECTOR'S NAME**
Frank Bartholl

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

**BILLING INSTRUCTIONS**

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers: UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | INDICATE ANALYSIS REQUESTED: Field parameters* | Cl F SO4 TDS (T) | Metals (T)** | Radium-226 | Radium-228 | Field Turbidity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26071206-001 | R101 | 7.22 \| 1314 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 002 | G121 | — | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 003 | G122 | — | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 004 | AW-2 | — | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 005 | P07D | — | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 006 | AW-4 | — | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 007 | AW-5 | — | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 008 | AW-6 | 7.22 \| 1127 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| | 7.22 \| 1752 TE CRS 1552 | Candice Spencer | 7.22.26 1552 |

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# CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 26071206

TEKLAB INC, 120 United Drive, Collinsville, IL 62234 Phone (618) 344-1004

22.7, 22.1

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [x] ICE [ ] BLUE ICE [ ] NO ICE ____ °C 9
Preserved in: [x] LAB [ ] FIELD FOR LAB USE ONLY
LAB NOTES: PH 104524
Added HNO3 (112051) 3/3 1 Liter GD JD 7/24/26

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo

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

**PROJECT NAME/NUMBER**
FGDS Landfill

**SAMPLE COLLECTOR'S NAME**
Frank Barthol

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

**BILLING INSTRUCTIONS**

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers: UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | INDICATE ANALYSIS REQUESTED: Field parameters* | Cl F SO4 TDS (T) | Metals (T)** | Radium-226 | Radium-228 | Field Turbidity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26071206-001 | R101 | — | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 002 | G121 | 7.23 / 1252 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 003 | G122 | — | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 004 | AW-2 | 7.23 / 1058 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 005 | P07D | 7.23 / 1138 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 006 | AW-4 | — | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 007 | AW-5 | 7.23 / 1428 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 008 | AW-6 | — | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| | 7.23 / 1620 | | 7/23/26 1620 |

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# CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 26071206

TEKLAB INC, 120 United Drive, Collinsville, IL 62234 Phone (618) 344-1004

8.7 14.5

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE ____ °C 9
Preserved in: [ ] LAB [X] FIELD FOR LAB USE ONLY
LAB NOTES: PH104524

JD 7/24 24

**Client Comments:**
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo

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

**PROJECT NAME/NUMBER**
FGDS Landfill

**SAMPLE COLLECTOR'S NAME**
Justin Gb

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

**BILLING INSTRUCTIONS**

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers: UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | INDICATE ANALYSIS REQUESTED: Field parameters* | Cl F SO4 TDS (T) | Metals (T)** | Radium-226 | Radium-228 | Field Turbidity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26071206-001 | R101 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 002 | G121 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 003 | G122 | 7-24 955 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 004 | AW-2 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 005 | P07D | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 006 | AW-4 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 007 | AW-5 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 008 | AW-6 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| | 7-24 / 132 | | 7/24/24 13:00 |

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# CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 26071206

TEKLAB INC, 120 United Drive, Collinsville, IL 62234 Phone (618) 344-1004

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 2.9 °C
Preserved in: [ ] LAB [ ] FIELD FOR LAB USE ONLY
LAB NOTES: PW 104524 KM 7-27-26

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo

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

**PROJECT NAME/NUMBER**
FGDS Landfill

**SAMPLE COLLECTOR'S NAME**
Justin Culp

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

**BILLING INSTRUCTIONS**

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers: UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | INDICATE ANALYSIS REQUESTED: Field parameters* | Cl F SO4 TDS (T) | Metals (T)** | Radium-226 | Radium-228 | Field Turbidity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26071206-001 | R101 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 002 | G121 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 003 | G122 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 004 | AW-2 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 005 | P07D | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 006 | AW-4 | 7-27 1339 | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 007 | AW-5 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 008 | AW-6 | | Groundwater | 1 | 4 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |
| | | | Groundwater | | | | | | | | | | | | | | | |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| | 7-27-1520 | | 7-27-15:20 |

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# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | R101 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 001 |
| **W.O. Number (s):** | 26071206 | **Date (s):** | 7/22/2026 |

**Field Team Members**

Name: Frank Barthol — Affiliation: TekLab, Inc.

Name: — Affiliation:

**Weather Conditions**

Temp: 76 °F — Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 7/22/26 12:59 PM

Static Water Level: 6.46 feet below TOC

Total Depth: 35.27 feet below TOC

Water Column: 28.81 feet

**Purging Activities**

Purged By: FB — Purge Date: 7/22/2026

Purge Equipment: Peristaltic Pump — Well Diameter: 3"

Purge Volume Calculation (L): 28.81 ft. x 0.022 = 0.63 L x 3 Vol. = 1.89 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Clear — Odor: None — Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 12:59 | 0.0 | 200 | purge start time | | | | | | |
| 12:59 | 0.0 | ↓ | 6.92 | 1,254.00 | 21.20 | 4.12 | -49.70 | 19.12 | 7.82 |
| 13:02 | 0.6 | | 7.00 | 1,287.00 | 17.30 | 1.24 | -103.70 | 17.65 | 7.82 |
| 13:05 | 1.2 | | 7.06 | 1,288.00 | 17.00 | 0.77 | -116.00 | 63.74 | 7.83 |
| 13:08 | 1.8 | | 7.06 | 1,287.00 | 16.80 | 0.77 | -116.60 | 12.49 | 7.83 |
| 13:11 | 2.4 | | 7.06 | 1,287.00 | 16.80 | 0.76 | -116.80 | 5.96 | 7.83 |
| 13:14 | 3.0 | | 7.06 | 1,287.00 | 16.80 | 0.75 | -117.00 | 9.65 | 7.83 |

**Sampling Activities**

Sampled By: FB — Sample Date/Time: 7/22/2026 13:14

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 7.06 pH — 1,287.00 Spec. Cond. — 16.80 Temp

Field Filtered: Yes — Filter Type: Inline Disposable

Water Level: 7.83 feet below TOC — Drawdown: 1.37 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 234688

**Form Completed By:** **Date:** 7/22/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | G121 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 002 |
| **W.O. Number (s):** | 26071206 | **Date (s):** | 7/23/2026 |

**Field Team Members**

Name: Frank Barthol Affiliation: TekLab, Inc.

Name: Affiliation:

**Weather Conditions**

Temp: 73 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 7/23/26 12:31 PM

Static Water Level: 27.84 feet below TOC

Total Depth: 58.56 feet below TOC

Water Column: 30.72 feet

**Purging Activities**

Purged By: FB Purge Date: 7/23/2026

Purge Equipment: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 30.72 ft. x 0.022 = 0.68 L x 3 Vol. = 2.04 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 12:31 | 0.0 | 190 | purge start time | | | | | | |
| 12:31 | 0.0 | ↓ | 7.41 | 1,437.00 | 22.20 | 6.02 | -72.10 | 20.34 | 28.04 |
| 12:34 | 0.6 | | 7.11 | 1,506.00 | 15.90 | 1.05 | -100.00 | 9.74 | 28.52 |
| 12:37 | 1.1 | | 7.01 | 1,509.00 | 15.80 | 0.93 | -127.20 | 14.71 | 28.61 |
| 12:40 | 1.7 | | 6.97 | 1,546.00 | 15.90 | 0.83 | -137.20 | 19.52 | 28.77 |
| 12:43 | 2.3 | | 6.96 | 1,560.00 | 15.80 | 0.74 | -139.10 | 19.29 | 28.9 |
| 12:46 | 2.9 | | 6.96 | 1,559.00 | 15.80 | 0.71 | -139.60 | 16.40 | 28.94 |
| 12:49 | 3.4 | | 6.96 | 1,559.00 | 15.80 | 0.71 | -139.60 | 7.86 | 28.94 |
| 12:52 | 4.0 | | 6.96 | 1,559.00 | 15.90 | 0.71 | -139.70 | 7.44 | 28.95 |

**Sampling Activities**

Sampled By: FB Sample Date/Time: 7/23/2026 12:52

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.96 pH 1,559.00 Spec. Cond. 15.90 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 29.01 feet below TOC Drawdown: 1.17 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 234688

**Form Completed By:** **Date:** 7/23/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | G122 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 003 |
| **W.O. Number (s):** | 26071206 | **Date (s):** | 7/24/2026 |

**Field Team Members**

Name: Drew Nieters Affiliation: TekLab, Inc.

Name: Payton Yoch Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 71 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 7/24/26 11:03 AM

Static Water Level: 27.90 feet below TOC

Total Depth: 49.29 feet below TOC

Water Column: 21.39 feet

**Purging Activities**

Purged By: DN Purge Date: 7/24/2026

Purge Equipment: Submersible Pump Well Diameter: 2"

Purge Volume Calculation (L): 21.39 ft. x 0.022 = 0.47 L x 3 Vol. = 1.41 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 10.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 9:25 | 0.0 | 333 | purge start time | | | | | | |
| 9:28 | 1.0 | ↓ | 6.55 | 1,561.00 | 15.10 | 3.68 | 10.50 | 24.64 | 28.44 |
| 9:31 | 2.0 | | 6.54 | 1,852.30 | 14.69 | 2.58 | -23.60 | 10.88 | 28.67 |
| 9:34 | 3.0 | | 6.53 | 1,855.40 | 14.22 | 1.16 | -94.00 | 1.44 | 28.91 |
| 9:37 | 4.0 | | 6.53 | 1,858.90 | 14.17 | 1.15 | -96.40 | 2.65 | 29.01 |
| 9:40 | 5.0 | | 6.54 | 1,861.60 | 14.23 | 1.12 | -98.90 | 1.63 | 29.12 |
| 9:43 | 6.0 | | 6.54 | 1,862.70 | 14.38 | 1.10 | -100.40 | 0.91 | 29.34 |
| 9:46 | 7.0 | | 6.54 | 1,864.00 | 14.42 | 1.02 | -102.30 | 0.71 | 29.4 |
| 9:49 | 8.0 | | 6.54 | 1,865.70 | 14.37 | 0.92 | -104.10 | 0.22 | 29.42 |
| 9:52 | 9.0 | | 6.55 | 1,866.00 | 14.25 | 0.86 | -105.50 | 0.45 | 29.4 |
| 9:55 | 10.0 | | 6.54 | 1,864.30 | 14.83 | 0.84 | -106.60 | 2.03 | 29.4 |

**Sampling Activities**

Sampled By: PY Sample Date/Time: 7/24/2026 9:55

Sample Method: Low Flow Sample Equipment: Submersible Pump

Sample Parameters: 6.54 pH 1,864.30 Spec. Cond. 14.83 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 29.40 feet below TOC Drawdown: 1.50 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 51302

**Form Completed By:** Payton K Date: 7/24/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | AW-2 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 004 |
| **W.O. Number (s):** | 26071206 | **Date (s):** | 7/23/2026 |

**Field Team Members**

Name: Frank Barthol — Affiliation: TekLab, Inc.

Name: — Affiliation:

**Weather Conditions**

Temp: 71 °F — Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | X | |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 7/23/26 10:40 AM

Static Water Level: 3.21 feet below TOC

Total Depth: 32.64 feet below TOC

Water Column: 29.43 feet

**Purging Activities**

Purged By: FB — Purge Date: 7/23/2026

Purge Equipment: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 29.43 ft. x 0.022 = 0.65 L x 3 Vol. = 1.95 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.50 L

Physical appearance of purge water: Clear — Odor: None — Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 10:40 | 0.0 | 194 | purge start time | | | | | | |
| 10:40 | 0.0 | ↓ | 7.38 | 1,335.00 | 22.20 | 5.55 | -158.00 | 7.75 | 3.3 |
| 10:43 | 0.6 | | 6.99 | 1,216.00 | 16.80 | 1.14 | -123.90 | 13.17 | 3.3 |
| 10:46 | 1.2 | | 6.93 | 1,235.00 | 16.70 | 0.84 | -123.50 | 9.60 | 3.31 |
| 10:49 | 1.8 | | 6.91 | 1,234.00 | 16.70 | 0.70 | -122.50 | 10.48 | 3.31 |
| 10:52 | 2.3 | | 6.90 | 1,236.00 | 18.70 | 0.63 | -121.60 | 8.22 | 3.31 |
| 10:55 | 2.9 | | 6.90 | 1,236.00 | 16.70 | 0.63 | -121.50 | 8.47 | 3.31 |
| 10:58 | 3.5 | | 6.90 | 1,237.00 | 16.60 | 0.62 | -121.40 | 9.69 | 3.31 |

**Sampling Activities**

Sampled By: FB — Sample Date/Time: 7/23/2026 10:58

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.90 pH — 1,237.00 Spec. Cond. — 16.60 Temp

Field Filtered: Yes — Filter Type: Inline Disposable

Water Level: 3.31 feet below TOC — Drawdown: 0.10 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 234688

**Form Completed By:** **Date:** 7/23/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | P07D |
| **Project Location:** | Springfield, IL | **Sample ID:** | 005 |
| **W.O. Number (s):** | 26071206 | **Date (s):** | 7/23/2026 |

**Field Team Members**

Name: Frank Barthol Affiliation: TekLab, Inc.

Name: Affiliation:

**Weather Conditions**

Temp: 72 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | | Locks | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | | | |
| Casing | Good | Protective Casing | | X |
| Protective Casing | Good | Well | | X |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 7/23/26 11:14 AM

Static Water Level: 2.84 feet below TOC

Total Depth: 32.54 feet below TOC

Water Column: 29.70 feet

**Purging Activities**

Purged By: FB Purge Date: 7/23/2026

Purge Equipment: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 29.7 ft. x 0.022 = 0.65 L x 3 Vol. = 1.95 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: None Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 11:14 | 0.0 | 167 | purge start time | | | | | | |
| 11:14 | 0.0 | ↓ | 7.06 | 1,511.00 | 18.60 | 5.05 | -127.20 | 273.68 | 3.02 |
| 11:17 | 0.5 | | 6.84 | 1,476.00 | 15.70 | 1.06 | -120.90 | 132.16 | 3.11 |
| 11:20 | 1.0 | | 6.84 | 1,454.00 | 15.90 | 0.77 | -121.70 | 103.56 | 3.06 |
| 11:23 | 1.5 | | 6.84 | 1,472.00 | 15.60 | 0.60 | -128.70 | 68.58 | 3.06 |
| 11:26 | 2.0 | | 6.84 | 1,473.00 | 15.50 | 0.54 | -130.60 | 54.56 | 3.16 |
| 11:29 | 2.5 | | 6.84 | 1,471.00 | 15.60 | 0.52 | -131.20 | 30.24 | 3.18 |
| 11:32 | 3.0 | | 6.85 | 1,472.00 | 15.50 | 0.50 | -131.10 | 16.59 | 3.18 |
| 11:35 | 3.5 | | 6.85 | 1,471.00 | 15.50 | 0.50 | -131.10 | 9.58 | 3.18 |
| 11:38 | 4.0 | | 6.85 | 1,471.00 | 15.50 | 0.50 | -131.00 | 9.63 | 3.18 |

**Sampling Activities**

Sampled By: FB Sample Date/Time: 7/23/2026 11:38

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.85 pH 1,471.00 Spec. Cond. 15.50 Temp

Field Filtered: No Filter Type:

Water Level: 3.18 feet below TOC Drawdown: 0.34 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 234688

**Form Completed By:** **Date:** 7/23/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | AW-4 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 006 |
| **W.O. Number (s):** | 26071206 | **Date (s):** | 7/27/2026 |

**Field Team Members**

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

**Weather Conditions**

Temp: 93 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | | Locks | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | | | |
| Casing | Good | Protective Casing | | X |
| Protective Casing | Good | Well | | X |
| Reference Mark/Identification | No | | | |

**Groundwater Level Measurements**

Date/Time Measured: 7/27/26 12:38 PM

Static Water Level: 22.44 feet below TOC

Total Depth: 56.67 feet below TOC

Water Column: 34.23 feet

**Purging Activities**

Purged By: DC Purge Date: 7/27/2026

Purge Equipment: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 34.23 ft. x 0.022 = 0.75 L x 3 Vol. = 2.25 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Cloudy Odor: None Color: Lt Brown

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 12:38 | 0.0 | 49 | | | | | | | |
| 12:45 | 0.3 | ↓ | 7.22 | 1,236.70 | 19.69 | 2.68 | -12.60 | 171.99 | 22.46 |
| 12:48 | 0.5 | | 6.99 | 1,099.90 | 18.99 | 1.65 | -56.60 | 188.69 | 22.46 |
| 12:51 | 0.6 | | 6.95 | 1,058.90 | 18.36 | 1.16 | -99.40 | 159.89 | 22.46 |
| 12:54 | 0.8 | | 6.95 | 1,022.60 | 17.23 | 0.68 | -127.80 | 154.56 | 22.47 |
| 12:57 | 0.9 | | 6.94 | 1,021.30 | 17.56 | 0.68 | -128.40 | 149.65 | 22.45 |
| 13:00 | 1.1 | | 6.94 | 1,020.10 | 17.88 | 0.65 | -129.10 | 141.73 | 22.45 |
| 13:03 | 1.2 | | 6.94 | 1,018.90 | 17.96 | 0.65 | -129.70 | 135.68 | 22.47 |
| 13:06 | 1.4 | | 6.94 | 1,018.10 | 18.13 | 0.62 | -130.30 | 132.46 | 22.47 |
| 13:09 | 1.5 | | 6.92 | 1,016.90 | 18.56 | 0.62 | -131.00 | 123.57 | 22.46 |
| 13:12 | 1.7 | | 6.92 | 1,015.90 | 18.44 | 0.61 | -131.40 | 117.52 | 22.46 |
| 13:15 | 1.8 | | 6.92 | 1,014.90 | 18.96 | 0.58 | -132.50 | 123.65 | 22.47 |
| 13:18 | 2.0 | | 6.90 | 1,014.50 | 19.11 | 0.56 | -133.10 | 88.46 | 22.47 |
| 13:21 | 2.1 | | 6.91 | 1,013.90 | 19.32 | 0.53 | -133.30 | 96.72 | 22.47 |
| 13:24 | 2.3 | | 6.91 | 1,013.40 | 19.46 | 0.52 | -133.50 | 100.72 | 22.46 |
| 13:27 | 2.4 | | 6.91 | 1,009.80 | 19.63 | 0.50 | -134.00 | 58.08 | 22.45 |
| 13:30 | 2.6 | | 6.90 | 1,011.40 | 19.50 | 0.48 | -133.60 | 71.75 | 22.46 |
| 13:33 | 2.7 | | 6.90 | 1,006.70 | 19.55 | 0.47 | -133.00 | 84.35 | 22.45 |
| 13:36 | 2.9 | | 6.89 | 1,004.80 | 19.43 | 0.46 | -131.90 | 63.76 | 22.46 |
| 13:39 | 3.0 | | 6.89 | 1,003.20 | 19.50 | 0.45 | -131.50 | 108.92 | 22.46 |

**Sampling Activities**

Sampled By: BG Sample Date/Time: 7/27/2026 13:39

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.89 pH 1,003.20 Spec. Cond. 19.50 Temp

Field Filtered: No Filter Type:

Water Level: 22.46 feet below TOC Drawdown: 0.02 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 51302

**Form Completed By:** Brett Gillihan **Date:** 7/27/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | AW-5 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 007 |
| **W.O. Number (s):** | 26071206 | **Date (s):** | 7/23/2026 |

**Field Team Members**

Name: Frank Barthol Affiliation: TekLab, Inc.

Name: Affiliation:

**Weather Conditions**

Temp: 74 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | |
|---|---|
| Well Pad | Good |
| Casing | Good |
| Protective Casing | Good |
| Reference Mark/Identification | Yes |

| **Locks** | Yes | No |
|---|---|---|
| Protective Casing | | X |
| Well | | X |

**Groundwater Level Measurements**

Date/Time Measured: 7/23/26 1:49 PM

Static Water Level: 23.48 feet below TOC

Total Depth: 59.06 feet below TOC

Water Column: 35.58 feet

**Purging Activities**

Purged By: FB Purge Date: 7/23/2026

Purge Equipment: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 35.58 ft. x 0.022 = 0.78 L x 3 Vol. = 2.34 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 8.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: Light brown

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 13:49 | 0.0 | 205 | purge start time | | | | | | |
| 13:49 | 0.0 | ↓ | 7.51 | 1,122.00 | 23.10 | 5.34 | -32.30 | 14.25 | 23.53 |
| 13:52 | 0.6 | | 7.37 | 1,017.00 | 16.80 | 1.24 | -32.50 | 27.92 | 23.6 |
| 13:55 | 1.2 | | 7.36 | 1,015.00 | 16.60 | 1.02 | -27.50 | 20.42 | 23.61 |
| 13:58 | 1.8 | | 7.24 | 1,014.00 | 16.70 | 0.86 | -89.50 | 39.88 | 23.61 |
| 14:01 | 2.5 | | 7.13 | 1,034.00 | 16.00 | 0.61 | -115.60 | 49.33 | 23.62 |
| 14:04 | 3.1 | | 6.96 | 1,081.00 | 16.50 | 0.41 | -133.10 | 174.84 | 23.63 |
| 14:07 | 3.7 | | 6.96 | 1,080.00 | 16.50 | 0.41 | -133.00 | 116.38 | 23.63 |
| 14:10 | 4.3 | | 6.96 | 1,080.00 | 16.40 | 0.41 | -133.00 | 102.43 | 23.63 |
| 14:13 | 4.9 | | 6.96 | 1,082.00 | 16.40 | 0.41 | -133.00 | 120.50 | 23.63 |
| 14:16 | 5.5 | | 6.96 | 1,082.00 | 16.40 | 0.41 | -133.00 | 137.75 | 23.63 |
| 14:19 | 6.2 | | 6.96 | 1,081.00 | 16.40 | 0.41 | -133.00 | 120.14 | 23.63 |
| 14:22 | 6.8 | | 6.96 | 1,081.00 | 16.40 | 0.41 | -133.00 | 121.26 | 23.63 |
| 14:25 | 7.4 | | 6.96 | 1,082.00 | 16.40 | 0.41 | -133.00 | 132.00 | 23.63 |
| 14:28 | 8.0 | | 6.96 | 1,081.00 | 16.50 | 0.41 | -133.10 | 130.35 | 23.63 |

**Sampling Activities**

Sampled By: FB Sample Date/Time: 7/23/2026 14:28

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.96 pH 1,081.00 Spec. Cond. 16.50 Temp

Field Filtered: No Filter Type:

Water Level: 23.63 feet below TOC Drawdown: 0.15 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 234688

**Form Completed By:** Date: 7/23/2026

# Field Data Sheet

| | | | |
|---|---|---|---|
| **Project Name:** | FGDS Landfill | **Monitoring Point:** | AW-6 |
| **Project Location:** | Springfield, IL | **Sample ID:** | 008 |
| **W.O. Number (s):** | 26071206 | **Date (s):** | 7/22/2026 |

**Field Team Members**

Name: Frank Barthol — Affiliation: TekLab, Inc.

Name: — Affiliation:

**Weather Conditions**

Temp: 74 °F — Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

**Well Observations**

| | | Locks | Yes | No |
|---|---|---|---|---|
| Well Pad | Good | | | |
| Casing | Good | Protective Casing | | X |
| Protective Casing | Good | Well | | X |
| Reference Mark/Identification | Yes | | | |

**Groundwater Level Measurements**

Date/Time Measured: 7/22/26 11:09 AM

Static Water Level: 1.06 feet below TOC

Total Depth: 33.44 feet below TOC

Water Column: 32.38 feet

**Purging Activities**

Purged By: FB — Purge Date: 7/22/2026

Purge Equipment: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 32.38 ft. x 0.022 = 0.71 L x 3 Vol. = 2.13 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Clear — Odor: None — Color: None

| Purge Time | Cumulative Purge Vol.(L) | Purge Rate (mL/m) | pH (S.U.) | Specific Conductivity (µS/cm) | Temp (°C) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | DTW (ft. below TOC) |
|---|---|---|---|---|---|---|---|---|---|
| 11:09 | 0.0 | 167 | purge start time | | | | | | |
| 11:09 | 0.0 | ↓ | 6.87 | 2,091.00 | 16.40 | 3.06 | -125.60 | 10.54 | 1.11 |
| 11:12 | 0.5 | | 6.85 | 2,064.00 | 14.80 | 1.63 | -120.70 | 10.13 | 1.12 |
| 11:15 | 1.0 | | 6.86 | 2,063.00 | 14.60 | 1.44 | -120.10 | 10.44 | 1.12 |
| 11:18 | 1.5 | | 6.86 | 2,063.00 | 14.40 | 1.36 | -119.80 | 9.25 | 1.12 |
| 11:21 | 2.0 | | 6.86 | 2,062.00 | 14.40 | 1.35 | -119.40 | 9.52 | 1.12 |
| 11:24 | 2.5 | | 6.86 | 2,062.00 | 14.40 | 1.35 | -119.60 | 9.76 | 1.12 |
| 11:27 | 3.0 | | 6.86 | 2,062.00 | 14.40 | 1.34 | -119.60 | 9.80 | 1.12 |

**Sampling Activities**

Sampled By: FB — Sample Date/Time: 7/22/2026 11:27

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.86 pH — 2,062.00 Spec. Cond. — 14.40 Temp

Field Filtered: No — Filter Type:

Water Level: 1.12 feet below TOC — Drawdown: 0.06 feet

**Observations/Comments:** (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 234688

**Form Completed By:** **Date:** 7/22/2026

**Site Samping Event:** FGDS Landfill
**LIMS Workorder:** 26071206
**Technician(s):** FB, DC, BG

**Field Calibration Log(s)**
**CWLP- 3Q 2026**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 234688 Technician(s): Frank Barthol Date: 7/22/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC260710A | 4.00 | 159.70 | 7/22/26 8:49 |
| 7.0 Buffer | WC260710B | 7.00 | -19.50 | 7/22/26 8:43 |
| 10.0 Buffer | WC260710C | 10.00 | -190.80 | 7/22/26 8:55 |
| LCS/CCV (7.0 Buffer) | WC260710D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 112045 | 1412 | 7/22/26 9:02 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.09 | 7/22/26 9:08 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-1-FB | LCS | 7/22/26 9:11 | 23.3 | 7.01 | 1,412 | 0.11 | | |
| CCV-1-FB | CCV | 7/22/26 14:08 | 27.2 | 7.06 | 1,396 | 0.09 | | |

**Comments:**

Field Meter ID: Pine 234688 Technician(s): Frank Barthol Date: 7/23/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC260710A | 4.00 | 164.20 | 7/23/26 9:06 |
| 7.0 Buffer | WC260710B | 7.00 | -14.60 | 7/23/26 8:58 |
| 10.0 Buffer | WC260710C | 10.00 | -186.30 | 7/23/26 9:13 |
| LCS/CCV (7.0 Buffer) | WC260710D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 112045 | 1412 | 7/23/26 9:19 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.13 | 7/23/26 9:22 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-2-FB | LCS | 7/23/26 9:24 | 22.4 | 7.00 | 1,410 | 0.13 | | |
| CCV-2-FB | CCV | 7/23/26 14:45 | 30.23 | 7.06 | 1,391 | 0.16 | | |

**Comments:**

**Site Samping Event:** FGDS Landfill
**LIMS Workorder:** 26071206
**Technician(s):** FB, DC, BG

**Field Calibration Log(s)**
**CWLP- 3Q 2026**

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 51302 Technician(s): Brett Gillihan Date: 7/24/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC260710A | 4.00 | 135.30 | 7/24/26 9:38 |
| 7.0 Buffer | WC260710B | 7.00 | -37.10 | 7/24/26 9:30 |
| 10.0 Buffer | WC260710C | 10.00 | -196.03 | 7/24/26 9:44 |
| LCS/CCV (7.0 Buffer) | WC260710D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 112045 | 1412 | 7/24/26 9:48 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.42 | 7/24/26 9:49 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-1 | LCS | 7/24/26 9:52 | 20.4 | 6.99 | 1,411 | 0.4 | | |
| CCV-1 | CCV | 7/24/26 11:15 | 20.4 | 6.98 | 1,411 | 0.41 | | |

**Comments:**

Field Meter ID: Pine 51302 Technician(s): Brett Gilihan Date: 7/27/2026

| pH Standards | LIMS ID | Reading (SU & mV) | | Date/Time |
|---|---|---|---|---|
| 4.0 Buffer | WC260710A | 4.00 | 134.24 | 7/27/26 10:24 |
| 7.0 Buffer | WC260710B | 7.00 | -37.08 | 7/27/26 10:22 |
| 10.0 Buffer | WC260710C | 10.00 | -196.32 | 7/27/26 10:27 |
| LCS/CCV (7.0 Buffer) | WC260710D | | | |

| Conductivity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 1,412 µS Std. | 112045 | 1412 | 7/27/26 10:29 |

| Turbidity Standard | LIMS ID | Reading | Date/Time |
|---|---|---|---|
| 0 NTU (DI Water) | 1 | 0.3 | 7/27/26 10:31 |
| 124 NTU | 95834 | | |

| ORP Standard | LIMS ID/Lot# | Reading | | Date/Time |
|---|---|---|---|---|
| | | | | |

| D.O. Saturation | Barometer (mmHg) | Reading | Date/Time |
|---|---|---|---|
| 100% | | | |

| Sample ID | Sample Type | Date/Time | Temp. °C | pH S.U. | Conductivity µS | Turbidity NTU | ORP mV | D.O. % |
|---|---|---|---|---|---|---|---|---|
| LCS-2-BG | LCS | 7/27/26 10:37 | 23.2 | 7.02 | 1,412 | 0.31 | | |
| CCV-2-BG | CCV | 7/27/26 14:00 | 24.3 | 7.03 | 1,415 | 0.34 | | |

**Comments:**

*Alliance Technical Group - Akron*
*3310 Win St.*
*Cuyahoga Falls, Ohio 44223*
*TEL: (330) 253-8211*
*Website: http://www.settek.com*

August 28, 2026

Shelly Hennessy
TEKLAB Inc,
120 United Drive
Collinsville, IL 62234
TEL:
FAX:

RE: 26071206

Dear Shelly Hennessy:

Order No.: 26080026

Alliance Technical Group - Akron received 8 sample(s) on 7/31/2026 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

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

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0828, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

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Website: http://www.settek.com

# Case Narrative

WO#: **26080026**
Date: **8/28/2026**

**CLIENT:** TEKLAB Inc,
**Project:** 26071206

WorkOrder Narrative:
26080026: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Alliance Technical Group Work Order Number assigned to this report.

Alliance Technical Group holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Alliance Technical Group and that of the customer. It cannot be reproduced in any form without the consent of Alliance Technical Group or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Alliance Technical Group is not responsible for use or interpretation of the data included herein.

All results for solid samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Analytical Sequence Sample Notes:
26080026-003A Radium-228_NPW(904.0): Sample exhibits high RPD, possibly due to sample matrix. Sample is NPW.
26080026-005A Radium-228_NPW(904.0): Both parent and DUP results are below the reporting limit.
26080026-006A Radium-228_NPW(904.0): Parent sample and DUP exhibit high RPD possibly due to sample matrix. Sample is NPW.
26080026-007A Radium-228_NPW(904.0): Parent sample and DUP exhibit high RPD possibly due to sample matrix. Sample is NPW.

Analytical Sequence QC Notes:
LCS/LCSD-101685 Radium-228_NPW(904.0): LCS/LCSD exhibit high RPD. Both results are within

acceptable criteria individually.
LCS/LCSD-102077 Radium-228_DW(904.0): LCS/LCSD exhibit high RPD. Results are within acceptable limits individually.

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# Workorder Sample Summary

WO#: **26080026**

***28-Aug-26***

**CLIENT:** TEKLAB Inc,
**Project:** 26071206

| Lab SampleID | Client Sample ID | Tag No | Date Collected | Date Received | Matrix |
|---|---|---|---|---|---|
| 26080026-001 | 26071206-001C | | 7/22/2026 1:14:00 PM | 7/31/2026 10:30:00 AM | Non-Potable Water |
| 26080026-002 | 26071206-002C | | 7/23/2026 12:52:00 PM | 7/31/2026 10:30:00 AM | Non-Potable Water |
| 26080026-003 | 26071206-003C | | 7/24/2026 9:55:00 AM | 7/31/2026 10:30:00 AM | Non-Potable Water |
| 26080026-004 | 26071206-004C | | 7/23/2026 10:58:00 AM | 7/31/2026 10:30:00 AM | Non-Potable Water |
| 26080026-005 | 26071206-005C | | 7/23/2026 11:38:00 AM | 7/31/2026 10:30:00 AM | Non-Potable Water |
| 26080026-006 | 26071206-006C | | 7/27/2026 1:39:00 PM | 7/31/2026 10:30:00 AM | Non-Potable Water |
| 26080026-007 | 26071206-007C | | 7/23/2026 2:28:00 PM | 7/31/2026 10:30:00 AM | Non-Potable Water |
| 26080026-008 | 26071206-008C | | 7/22/2026 11:27:00 AM | 7/31/2026 10:30:00 AM | Non-Potable Water |

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# Analytical Report

(consolidated)

WO#: **26080026**

Date Reported: **8/28/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 7/22/2026 1:14:00 PM

**Project:** 26071206

**Lab ID:** 26080026-001
**Matrix:** NON-POTABLE WATER

**Client Sample ID:** 26071206-001C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| **COMBINED RADIUM (EPA903+904)** | | | | | | | |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.960 | 1 | 8/22/2026 9:55:00 AM |
| **RAD226/228** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-226 (EPA 903.0)** | | | | | | | |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0700 | 1 | 8/22/2026 9:55:00 AM |
| Yield | 1.00 | | | | | 1 | 8/22/2026 9:55:00 AM |
| **RAD226/228** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-228 (EPA 904.0)** | | | | | | | |
| Radium-228 | 1.42 | 1.00 | | pCi/L | ± 0.890 | 1 | 8/21/2026 2:42:00 PM |
| Yield | 1.00 | | | | | 1 | 8/21/2026 2:42:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

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# Analytical Report

(consolidated)

WO#: **26080026**

Date Reported: **8/28/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 7/23/2026 12:52:00 PM

**Project:** 26071206

**Lab ID:** 26080026-002
**Matrix:** NON-POTABLE WATER

**Client Sample ID:** 26071206-002C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| **COMBINED RADIUM (EPA903+904)** | | | | | | | |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.840 | 1 | 8/22/2026 9:55:00 AM |
| **RAD226/228** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-226 (EPA 903.0)** | | | | | | | |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0600 | 1 | 8/22/2026 9:55:00 AM |
| Yield | 1.00 | | | | | 1 | 8/22/2026 9:55:00 AM |
| **RAD226/228** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-228 (EPA 904.0)** | | | | | | | |
| Radium-228 | ND | 1.00 | | pCi/L | ± 0.780 | 1 | 8/21/2026 2:42:00 PM |
| Yield | 1.00 | | | | | 1 | 8/21/2026 2:42:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

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# Analytical Report

(consolidated)

WO#: **26080026**

Date Reported: **8/28/2026**

**CLIENT:** TEKLAB Inc,

**Collection Date:** 7/24/2026 9:55:00 AM

**Project:** 26071206

**Lab ID:** 26080026-003

**Matrix:** NON-POTABLE WATER

**Client Sample ID:** 26071206-003C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| **COMBINED RADIUM (EPA903+904)** | | | | | | | |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.960 | 1 | 8/22/2026 9:55:00 AM |
| **RAD226/228** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-226 (EPA 903.0)** | | | | | | | |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0400 | 1 | 8/22/2026 9:55:00 AM |
| Yield | 1.00 | | | | | 1 | 8/22/2026 9:55:00 AM |
| **RAD226/228** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-228 (EPA 904.0)** | | | | | | | |
| Radium-228 | 1.31 | 1.00 | QDR | pCi/L | ± 0.920 | 1 | 8/21/2026 2:42:00 PM |
| Yield | 0.940 | | | | | 1 | 8/21/2026 2:42:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

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# Analytical Report

(consolidated)

WO#: **26080026**

Date Reported: **8/28/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 7/23/2026 10:58:00 AM
**Project:** 26071206
**Lab ID:** 26080026-004
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 26071206-004C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| **COMBINED RADIUM (EPA903+904)** | | | | | | | |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.930 | 1 | 8/22/2026 9:55:00 AM |
| **RAD226/228** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-226 (EPA 903.0)** | | | | | | | |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0700 | 1 | 8/22/2026 9:55:00 AM |
| Yield | 1.00 | | | | | 1 | 8/22/2026 9:55:00 AM |
| **RAD226/228** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-228 (EPA 904.0)** | | | | | | | |
| Radium-228 | 1.27 | 1.00 | | pCi/L | ± 0.860 | 1 | 8/21/2026 2:42:00 PM |
| Yield | 1.00 | | | | | 1 | 8/21/2026 2:42:00 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | |

Original

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Website: http://www.settek.com

# Analytical Report

(consolidated)

WO#: **26080026**

Date Reported: **8/28/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 7/23/2026 11:38:00 AM

**Project:** 26071206

**Lab ID:** 26080026-005
**Matrix:** NON-POTABLE WATER

**Client Sample ID:** 26071206-005C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| **COMBINED RADIUM (EPA903+904)** | | | | | | | |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.760 | 1 | 8/22/2026 9:55:00 AM |
| **RAD226/228** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-226 (EPA 903.0)** | | | | | | | |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0700 | 1 | 8/22/2026 9:55:00 AM |
| Yield | 1.00 | | | | | 1 | 8/22/2026 9:55:00 AM |
| **RAD226/228** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-228 (EPA 904.0)** | | | | | | | |
| Radium-228 | ND | 1.00 | QDR | pCi/L | ± 0.690 | 1 | 8/21/2026 2:42:00 PM |
| Yield | 1.00 | | | | | 1 | 8/21/2026 2:42:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

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# Analytical Report

(consolidated)

WO#: **26080026**

Date Reported: **8/28/2026**

**CLIENT:** TEKLAB Inc,
**Collection Date:** 7/27/2026 1:39:00 PM
**Project:** 26071206
**Lab ID:** 26080026-006
**Matrix:** NON-POTABLE WATER
**Client Sample ID:** 26071206-006C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| **COMBINED RADIUM (EPA903+904)** | | | | | | | |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.630 | 1 | 8/13/2026 7:39:00 AM |
| **RAD226/228** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-226 (EPA 903.0)** | | | | | | | |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0500 | 1 | 8/13/2026 7:39:00 AM |
| Yield | 1.00 | | | | | 1 | 8/13/2026 7:39:00 AM |
| **RAD226/228** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-228 (EPA 904.0)** | | | | | | | |
| Radium-228 | ND | 1.00 | QDR | pCi/L | ± 0.580 | 1 | 8/12/2026 1:15:00 PM |
| Yield | 1.00 | | | | | 1 | 8/12/2026 1:15:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

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Website: http://www.settek.com

# Analytical Report

(consolidated)

WO#: **26080026**

Date Reported: **8/28/2026**

**CLIENT:** TEKLAB Inc,

**Collection Date:** 7/23/2026 2:28:00 PM

**Project:** 26071206

**Lab ID:** 26080026-007

**Matrix:** NON-POTABLE WATER

**Client Sample ID:** 26071206-007C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| **COMBINED RADIUM (EPA903+904)** | | | | | | | |
| Radium-226/Radium-228 | ND | 2.00 | | pCi/L | ± 0.640 | 1 | 8/13/2026 7:39:00 AM |
| **RAD226/228** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-226 (EPA 903.0)** | | | | | | | |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0600 | 1 | 8/13/2026 7:39:00 AM |
| Yield | 1.00 | | | | | 1 | 8/13/2026 7:39:00 AM |
| **RAD226/228** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-228 (EPA 904.0)** | | | | | | | |
| Radium-228 | ND | 1.00 | QDR | pCi/L | ± 0.580 | 1 | 8/12/2026 1:15:00 PM |
| Yield | 0.930 | | | | | 1 | 8/12/2026 1:15:00 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response |
| ND | Not Detected | PL | Permit Limit |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | |

Original

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# Analytical Report

(consolidated)

WO#: **26080026**

Date Reported: **8/28/2026**

**CLIENT:** TEKLAB Inc,

**Collection Date:** 7/22/2026 11:27:00 AM

**Project:** 26071206

**Lab ID:** 26080026-008

**Matrix:** NON-POTABLE WATER

**Client Sample ID:** 26071206-008C

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **RAD226/228** | | | | | **CALCULATION** | **E903-904** | Analyst: **TAL** |
| **COMBINED RADIUM (EPA903+904)** | | | | | | | |
| Radium-226/Radium-228 | 2.64 | 2.00 | | pCi/L | ± 0.870 | 1 | 8/13/2026 7:39:00 AM |
| **RAD226/228** | | | | | **E903.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-226 (EPA 903.0)** | | | | | | | |
| Radium-226 | ND | 1.00 | | pCi/L | ± 0.0800 | 1 | 8/13/2026 7:39:00 AM |
| Yield | 1.00 | | | | | 1 | 8/13/2026 7:39:00 AM |
| **RAD226/228** | | | | | **E904.0** | **E903-904** | Analyst: **TAL** |
| **RADIUM-228 (EPA 904.0)** | | | | | | | |
| Radium-228 | 2.64 | 1.00 | | pCi/L | ± 0.790 | 1 | 8/12/2026 1:15:00 PM |
| Yield | 1.00 | | | | | 1 | 8/12/2026 1:15:00 PM |

**Qualifiers:**

| | |
|---|---|
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected |
| R | RPD outside accepted recovery limits |
| W | Sample container temperature is out of limit as specified at testcode |
| M | Manual Integration used to determine area response |
| PL | Permit Limit |
| RL | Reporting Detection Limit |

Original

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# Qualifiers and Acronyms

WO#: **26080026**
Date: **8/28/2026**

These commonly used Qualifiers and Acronyms may or may not be present in this report.

## Qualifiers

| | |
|---|---|
| **U** | The compound was analyzed for but was not detected above the MDL. |
| **J** | The reported value is greater than the Method Detection Limit but less than the Reporting Limit. |
| **H** | The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant. |
| **E** | The result exceeded the linear range of the calibration or is estimated due to interference. |
| **MC** | The result is below the Minimum Compound Limit. |
| * | The result exceeds the Regulatory Limit or Maximum Contamination Limit. |
| **m** | Manual integration was used to determine the area response. |
| **D** | Manual integration in which peak was deleted. |
| **N** | The result is presumptive based on a Mass Spectral library search assuming a 1:1 response. |
| **P** | The second column confirmation exceeded 25% difference. |
| **C** | The result has been confirmed by GC/MS. |
| **X** | The result was not confirmed when GC/MS Analysis was performed. |
| **B** | The analyte was detected in the Method Blank at a concentration greater than the RL. |
| **MB+** | The analyte was detected in the Method Blank at a concentration greater than the MDL. |
| **G** | The ICB or CCB contained reportable amounts of analyte. |
| **QC-/+** | The CCV recovery failed low (-) or high (+). |
| **R/QDR** | The RPD was outside of accepted recovery limits. |
| **QL-/+** | The LCS or LCSD recovery failed low (-) or high (+). |
| **QLR** | The LCS/LCSD RPD was outside of accepted recovery limits. |
| **QM-/+** | The MS or MSD recovery failed low (-) or high (+). |
| **QMR** | The MS/MSD RPD was outside of accepted recovery limits. |
| **QV-/+** | The ICV recovery failed low (-) or high (+). |
| **S** | The spike result was outside of accepted recovery limits. |
| **W** | Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant. |
| **Z** | A deviation from the method was performed; Please refer to the Case Narrative for additional information. |

## Acroynms

| | |
|---|---|
| **ND** | Not Detected |
| **QC** | Quality Control |
| **MB** | Method Blank |
| **LCS** | Laboratory Control Sample |
| **LCS** | Laboratory Control Sample Duplicate |
| **QCS** | Quality Control Sample |
| **DUP** | Duplicate |
| **MS** | Matrix Spike |
| **MSD** | Matrix Spike Duplicate |
| **RPD** | Relative Percent Different |
| **ICV** | Initial Calibration Verification |
| **ICB** | Initial Calibration Blank |
| **CCV** | Continuing Calibration Verification |
| **CCB** | Continuing Calibration Blank |
| **RLC** | Reporting Limit Check |
| **DF** | Dilution Factor |

| | |
|---|---|
| **RL** | Reporting Limit |
| **MDL** | Method Detection Limit |
| **LOD** | Level of Detection |
| **LOQ** | Level of Quantitation |
| **PQL** | Practical Quantitation Limit |
| **CRQL** | Contract Required Quantitation Limit |
| **PL** | Permit Limit |
| **RegLvl** | Regulatory Limit |
| **MCL** | Maximum Contamination Limit |
| **MinCL** | Minimum Compound Limit |
| **RA** | Reanalysis |
| **RE** | Reextraction |
| **TIC** | Tentatively Identified Compound |
| **RT** | Retention Time |
| **CF** | Calibration Factor |
| **RF** | Response Factor |

**This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.**

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# DATES REPORT

WO#: **26080026**

***28-Aug-26***

**Client:** TEKLAB Inc,
**Project:** 26071206

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | Leachate Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|---|
| 26080026-001A | 26071206-001C | 7/22/2026 1:14:00 PM | Non-Potable Water | Combined Radium (EPA903+904) | | 8/13/2026 8:27:00 AM | 8/22/2026 9:55:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 8/13/2026 8:27:00 AM | 8/22/2026 9:55:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 8/13/2026 8:27:00 AM | 8/21/2026 2:42:00 PM |
| 26080026-002A | 26071206-002C | 7/23/2026 12:52:00 PM | | Combined Radium (EPA903+904) | | 8/13/2026 8:27:00 AM | 8/22/2026 9:55:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 8/13/2026 8:27:00 AM | 8/22/2026 9:55:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 8/13/2026 8:27:00 AM | 8/21/2026 2:42:00 PM |
| 26080026-003A | 26071206-003C | 7/24/2026 9:55:00 AM | | Combined Radium (EPA903+904) | | 8/13/2026 8:27:00 AM | 8/22/2026 9:55:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 8/13/2026 8:27:00 AM | 8/22/2026 9:55:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 8/13/2026 8:27:00 AM | 8/21/2026 2:42:00 PM |
| 26080026-004A | 26071206-004C | 7/23/2026 10:58:00 AM | | Combined Radium (EPA903+904) | | 8/13/2026 8:27:00 AM | 8/22/2026 9:55:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 8/13/2026 8:27:00 AM | 8/22/2026 9:55:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 8/13/2026 8:27:00 AM | 8/21/2026 2:42:00 PM |
| 26080026-005A | 26071206-005C | 7/23/2026 11:38:00 AM | | Combined Radium (EPA903+904) | | 8/13/2026 8:27:00 AM | 8/22/2026 9:55:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 8/13/2026 8:27:00 AM | 8/22/2026 9:55:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 8/13/2026 8:27:00 AM | 8/21/2026 2:42:00 PM |
| 26080026-006A | 26071206-006C | 7/27/2026 1:39:00 PM | | Combined Radium (EPA903+904) | | 8/7/2026 1:34:00 PM | 8/13/2026 7:39:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 8/7/2026 1:34:00 PM | 8/13/2026 7:39:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 8/7/2026 1:34:00 PM | 8/12/2026 1:15:00 PM |
| 26080026-007A | 26071206-007C | 7/23/2026 2:28:00 PM | | Combined Radium (EPA903+904) | | 8/7/2026 1:34:00 PM | 8/13/2026 7:39:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 8/7/2026 1:34:00 PM | 8/13/2026 7:39:00 AM |
| | | | | Radium-228 (EPA 904.0) | | 8/7/2026 1:34:00 PM | 8/12/2026 1:15:00 PM |
| 26080026-008A | 26071206-008C | 7/22/2026 11:27:00 AM | | Combined Radium (EPA903+904) | | 8/7/2026 1:34:00 PM | 8/13/2026 7:39:00 AM |
| | | | | Radium-226 (EPA 903.0) | | 8/7/2026 1:34:00 PM | 8/13/2026 7:39:00 AM |

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# DATES REPORT

WO#: **26080026**

***28-Aug-26***

**Client:** TEKLAB Inc,
**Project:** 26071206

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | Leachate Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|---|
| 26080026-008A | 26071206-008C | 7/22/2026 11:27:00 AM | Non-Potable Water | Radium-228 (EPA 904.0) | | 8/7/2026 1:34:00 PM | 8/12/2026 1:15:00 PM |

Original

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# QC SUMMARY REPORT

WO#: **26080026**

***28-Aug-26***

**Client:** TEKLAB Inc,
**Project:** 26071206 **BatchID:** **101685**

Sample ID: **LCS-101685** SampType: **LCS** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **8/7/2026** RunNo: **247655**
Client ID: **BatchQC** Batch ID: **101685** TestNo: **E904.0** **E903-904** Analysis Date: **8/12/2026** SeqNo: **6369984**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 4.59 | 1.00 | 5.000 | 0 | 91.8 | 50 | 130 | | | | QLR |
| Yield | 1.00 | | | 0 | 0 | | | | | | |

Sample ID: **LCSD-101685** SampType: **LCSD** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **8/7/2026** RunNo: **247655**
Client ID: **BatchQC** Batch ID: **101685** TestNo: **E904.0** **E903-904** Analysis Date: **8/12/2026** SeqNo: **6369985**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 3.13 | 1.00 | 5.000 | 0 | 62.6 | 50 | 130 | 4.590 | 37.8 | 20 | R |
| Yield | 1.00 | | | 0 | 0 | | | 1.000 | 0 | | |

Sample ID: **26080026-006ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **8/7/2026** RunNo: **247655**
Client ID: **26071206-006C** Batch ID: **101685** TestNo: **E904.0** **E903-904** Analysis Date: **8/12/2026** SeqNo: **6369989**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 2.38 | 1.00 | | 0 | 0 | | | 0.9300 | 87.6 | 20 | R |
| Yield | 1.00 | | | 0 | 0 | | | 1.000 | 0 | | |

Sample ID: **26080026-007ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **8/7/2026** RunNo: **247655**
Client ID: **26071206-007C** Batch ID: **101685** TestNo: **E904.0** **E903-904** Analysis Date: **8/12/2026** SeqNo: **6369992**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.54 | 1.00 | | 0 | 0 | | | 0.9000 | 52.5 | 20 | R |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

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# QC SUMMARY REPORT

WO#: **26080026**

***28-Aug-26***

**Client:** TEKLAB Inc,
**Project:** 26071206

**BatchID:** **101685**

| Sample ID: **26080026-007ADUP** | SampType: **DUP** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **8/7/2026** | RunNo: **247655** |
|---|---|---|---|---|---|
| Client ID: **26071206-007C** | Batch ID: **101685** | TestNo: **E904.0** | **E903-904** | Analysis Date: **8/12/2026** | SeqNo: **6369992** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Yield | 1.00 | | | 0 | 0 | | | 0.9300 | 7.25 | | |

| Sample ID: **MB-101685** | SampType: **MBLK** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **8/7/2026** | RunNo: **247655** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **101685** | TestNo: **E904.0** | **E903-904** | Analysis Date: **8/12/2026** | SeqNo: **6370010** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | ND | 1.00 | | 0 | 0 | | | | | | |
| Yield | 0.980 | | | 0 | 0 | | | | | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

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# QC SUMMARY REPORT

WO#: **26080026**

***28-Aug-26***

**Client:** TEKLAB Inc,
**Project:** 26071206

**BatchID:** **101685**

| Sample ID: **MB-101685** | SampType: **MBLK** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **8/7/2026** | RunNo: **247656** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **101685** | TestNo: **E903.0** | **E903-904** | Analysis Date: **8/13/2026** | SeqNo: **6370070** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | | | | |
| Yield | 1.00 | | | | | | | | | | |

| Sample ID: **LCS-101685** | SampType: **LCS** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **8/7/2026** | RunNo: **247656** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **101685** | TestNo: **E903.0** | **E903-904** | Analysis Date: **8/13/2026** | SeqNo: **6370071** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 4.97 | 1.00 | 5.000 | 0 | 99.4 | 70 | 130 | | | | |

| Sample ID: **LCSD-101685** | SampType: **LCSD** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **8/7/2026** | RunNo: **247656** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **101685** | TestNo: **E903.0** | **E903-904** | Analysis Date: **8/13/2026** | SeqNo: **6370072** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 5.53 | 1.00 | 5.000 | 0 | 111 | 70 | 130 | 4.970 | 10.7 | 20 | |

| Sample ID: **26080026-006ADUP** | SampType: **DUP** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **8/7/2026** | RunNo: **247656** |
|---|---|---|---|---|---|
| Client ID: **26071206-006C** | Batch ID: **101685** | TestNo: **E903.0** | **E903-904** | Analysis Date: **8/13/2026** | SeqNo: **6370077** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | 0 | 0 | 30 | |
| Yield | 1.00 | | | | | | | 1.000 | 0 | 0 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

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# QC SUMMARY REPORT

WO#: **26080026**

***28-Aug-26***

**Client:** TEKLAB Inc,
**Project:** 26071206

**BatchID:** **101685**

Sample ID: **26080026-007ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **8/7/2026** RunNo: **247656**
Client ID: **26071206-007C** Batch ID: **101685** TestNo: **E903.0** **E903-904** Analysis Date: **8/13/2026** SeqNo: **6370079**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | 0 | 0 | 30 | |
| Yield | 1.00 | | | | | | | 1.000 | 0 | 0 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

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# QC SUMMARY REPORT

WO#: **26080026**

***28-Aug-26***

**Client:** TEKLAB Inc,
**Project:** 26071206

**BatchID:** **102077**

Sample ID: **26080026-003ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **8/13/2026** RunNo: **248142**
Client ID: **26071206-003C** Batch ID: **102077** TestNo: **E904.0** **E903-904** Analysis Date: **8/21/2026** SeqNo: **6383073**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 3.36 | 1.00 | | 0 | 0 | | | 1.310 | 87.8 | 20 | R |
| Yield | 1.00 | | | 0 | 0 | | | 0.9400 | 6.19 | | |

Sample ID: **26080026-005ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **8/13/2026** RunNo: **248142**
Client ID: **26071206-005C** Batch ID: **102077** TestNo: **E904.0** **E903-904** Analysis Date: **8/21/2026** SeqNo: **6383076**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | ND | 1.00 | | 0 | 0 | | | 0 | 0 | 20 | R |
| Yield | 0.910 | | | 0 | 0 | | | 1.000 | 9.42 | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

Original

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# QC SUMMARY REPORT

WO#: **26080026**

***28-Aug-26***

**Client:** TEKLAB Inc,
**Project:** 26071206

**BatchID:** **102077**

| Sample ID: **MB-102077** | SampType: **MBLK** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **8/13/2026** | RunNo: **248142** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **102077** | TestNo: **E904.0** | **E903-904** | Analysis Date: **8/21/2026** | SeqNo: **6383059** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | ND | 1.00 | | 0 | 0 | | | | | | |
| Yield | 1.00 | | | 0 | 0 | | | | | | |

| Sample ID: **LCS-102077** | SampType: **LCS** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **8/13/2026** | RunNo: **248142** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **102077** | TestNo: **E904.0** | **E903-904** | Analysis Date: **8/21/2026** | SeqNo: **6383060** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 3.62 | 1.00 | 5.000 | 0 | 72.4 | 50 | 130 | | | | QLR |
| Yield | 1.00 | | | 0 | 0 | | | | | | |

| Sample ID: **LCSD-102077** | SampType: **LCSD** | TestCode: **Radium-228_** | Units: **pCi/L** | Prep Date: **8/13/2026** | RunNo: **248142** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **102077** | TestNo: **E904.0** | **E903-904** | Analysis Date: **8/21/2026** | SeqNo: **6383061** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 4.51 | 1.00 | 5.000 | 0 | 90.2 | 50 | 130 | 3.620 | 21.9 | 20 | R |
| Yield | 1.00 | | | 0 | 0 | | | 1.000 | 0 | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

Original

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Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: **26080026**

***28-Aug-26***

**Client:** TEKLAB Inc,
**Project:** 26071206

**BatchID:** **102077**

Sample ID: **26080026-003ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **8/13/2026** RunNo: **248208**
Client ID: **26071206-003C** Batch ID: **102077** TestNo: **E903.0** **E903-904** Analysis Date: **8/22/2026** SeqNo: **6385152**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | 0 | 0 | 30 | |
| Yield | 1.00 | | | | | | | 1.000 | 0 | 0 | |

Sample ID: **26080026-005ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **8/13/2026** RunNo: **248208**
Client ID: **26071206-005C** Batch ID: **102077** TestNo: **E903.0** **E903-904** Analysis Date: **8/22/2026** SeqNo: **6385155**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | 0 | 0 | 30 | |
| Yield | 1.00 | | | | | | | 1.000 | 0 | 0 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

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# QC SUMMARY REPORT

WO#: **26080026**

***28-Aug-26***

**Client:** TEKLAB Inc,
**Project:** 26071206

**BatchID:** **102077**

| Sample ID: **MB-102077** | SampType: **MBLK** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **8/13/2026** | RunNo: **248208** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **102077** | TestNo: **E903.0** | **E903-904** | Analysis Date: **8/22/2026** | SeqNo: **6385132** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | ND | 1.00 | | | | | | | | | |
| Yield | 1.00 | | | | | | | | | | |

| Sample ID: **LCS-102077** | SampType: **LCS** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **8/13/2026** | RunNo: **248208** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **102077** | TestNo: **E903.0** | **E903-904** | Analysis Date: **8/22/2026** | SeqNo: **6385133** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 4.81 | 1.00 | 5.000 | 0 | 96.2 | 70 | 130 | | | | |

| Sample ID: **LCSD-102077** | SampType: **LCSD** | TestCode: **Radium-226_** | Units: **pCi/L** | Prep Date: **8/13/2026** | RunNo: **248208** |
|---|---|---|---|---|---|
| Client ID: **BatchQC** | Batch ID: **102077** | TestNo: **E903.0** | **E903-904** | Analysis Date: **8/22/2026** | SeqNo: **6385134** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 4.30 | 1.00 | 5.000 | 0 | 86.0 | 70 | 130 | 4.810 | 11.2 | 20 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response | ND | Not Detected |
| PL | Permit Limit | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| W | Sample container temperature is out of limit as specified at testcode | | | | |

Original

Pg ___ of ___

# TEKLAB, INC. Chain of Custody

120 United Drive, Collinsville, IL 62234 Phone (618) 344-1004

26080026

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

**Teklab Inc**
**120 United Drive**
**Collinsville, IL 62234**

Cooler Temp: Sampler: Client QC Level: 2

Comments: **Please Issue reports and invoices via email only**
SHIP to ATG-Akron. Please analyze for Radium 226/228 per your usual methods.
Any changes to analysis/methods must be approved by Teklab, Inc.
Batch QC and standard EDD are required. State of Sample Origin = MO

Project# 26071206

Contact: Shelly Hennessy Email: shennessy@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 41653 Phone: (618) 344-1004 ext. 1024

**PLEASE NOTE:**

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

| Lab Use | Sample ID | Sample Date/Time | Unpres | HNO3 | H2SO4 | NaOH | Other | Matrix | Radium 226/228 | Combined Radium | | | PH | cpm | PH | cpm | PH | cpm | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 26071206-001C | 7/22/2026 13:14 | ☐ | ☑ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | (1) 1 | 35 | (4) 1 | 40 | (7) 1 | 50 | | |
| | 26071206-002C | 7/23/2026 12:52 | ☐ | ☐ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | 1 | 40 | 1 | 20 | 2 | 44 | | |
| | 26071206-003C | 7/24/2026 09:55 | ☐ | ☐ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | 1 | 43 | 1 | 33 | 2 | 48 | | |
| | 26071206-004C | 7/23/2026 10:58 | ☐ | ☐ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | (2) 1 | 40 | (5) 2 | 40 | (8) 2 | 20 | | |
| | 26071206-005C | 7/23/2026 11:38 | ☐ | ☐ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | 1 | 37 | 2 | 36 | 2 | 40 | | |
| | 26071206-006C | 7/27/2026 13:39 | ☐ | ☐ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | 1 | 40 | 1 | 40 | 2 | 33 | | |
| | 26071206-007C | 7/23/2026 14:28 | ☐ | ☐ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | (3) 1 | 38 | (6) 2 | 34 | | | | |
| | 26071206-008C | 7/22/2026 11:27 | ☐ | ☐ | ☐ | ☐ | ☐ | Groundwater | ✔ | ✔ | | | 1 | 42 | 1 | 30 | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | | 1 | 36 | 1 | 28 | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | | | | | | | | | |
| | | | ☐ | ☐ | ☐ | ☐ | ☐ | Aqueous | | | | | | | | | | | | |

| *Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| Kylie Moore | 7/28/26 17:00 | Paige Gorick | 7/31/26 10.30 |
| | | | Fedex |

Temp: 23.7°C (23.6+0.1)



Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights, Teklab, Inc. protects clients' confidential information, as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNLV1.M2, Section 4.1.5...)

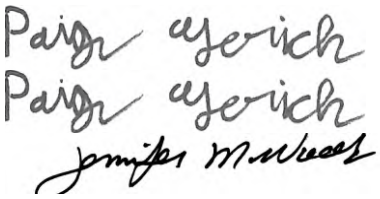
SubCocRevB

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

# Sample Log-In Check List

Client Name: **TEK-IL-62234-A** Work Order Number: **26080026** RcptNo: **1**

| | | |
|---|---|---|
| Logged by: | **Paige J. Yerick** | **7/31/2026 10:30:00 AM** |
| Completed By: | **Paige J. Yerick** | **8/1/2026 5:34:14 PM** |
| Reviewed By: | **Jennifer Woolf** | **8/5/2026 7:34:54 PM** |



## Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? FedEx

## Log In

3. Coolers are present? Yes ☑ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☑ No ☐
   Custody seals intact on shipping container/cooler? Yes ☑ No ☐ Not Present ☐ NA ☐
   No. Seal Date: Signed By:
5. Was an attempt made to cool the samples? Yes ☐ No ☑ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☑ NA ☐
   **Not required**
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? Yes ☑ No ☐
    (Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? Yes ☑ No ☐
    (If no, notify customer for authorization.)

## Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

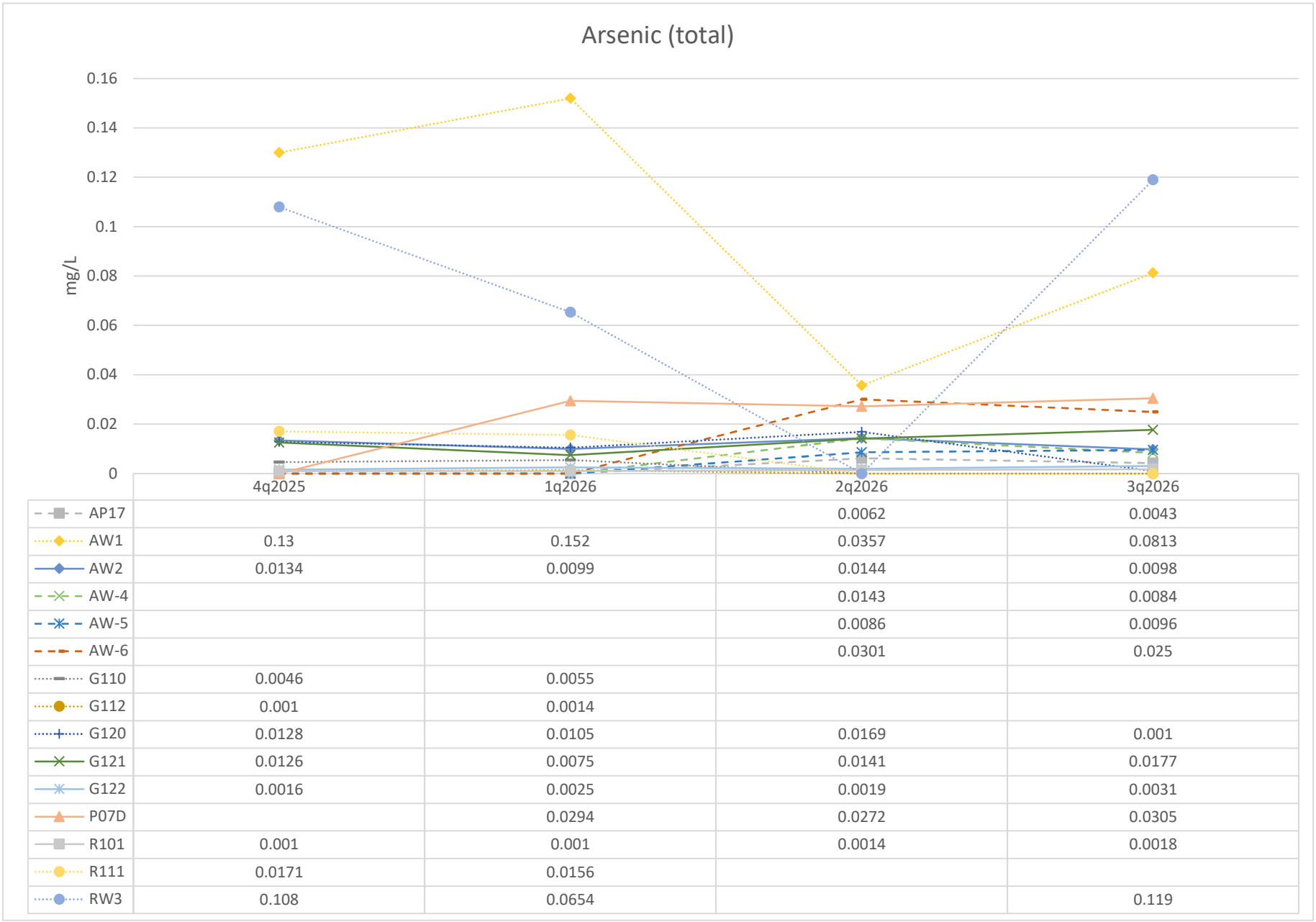
Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

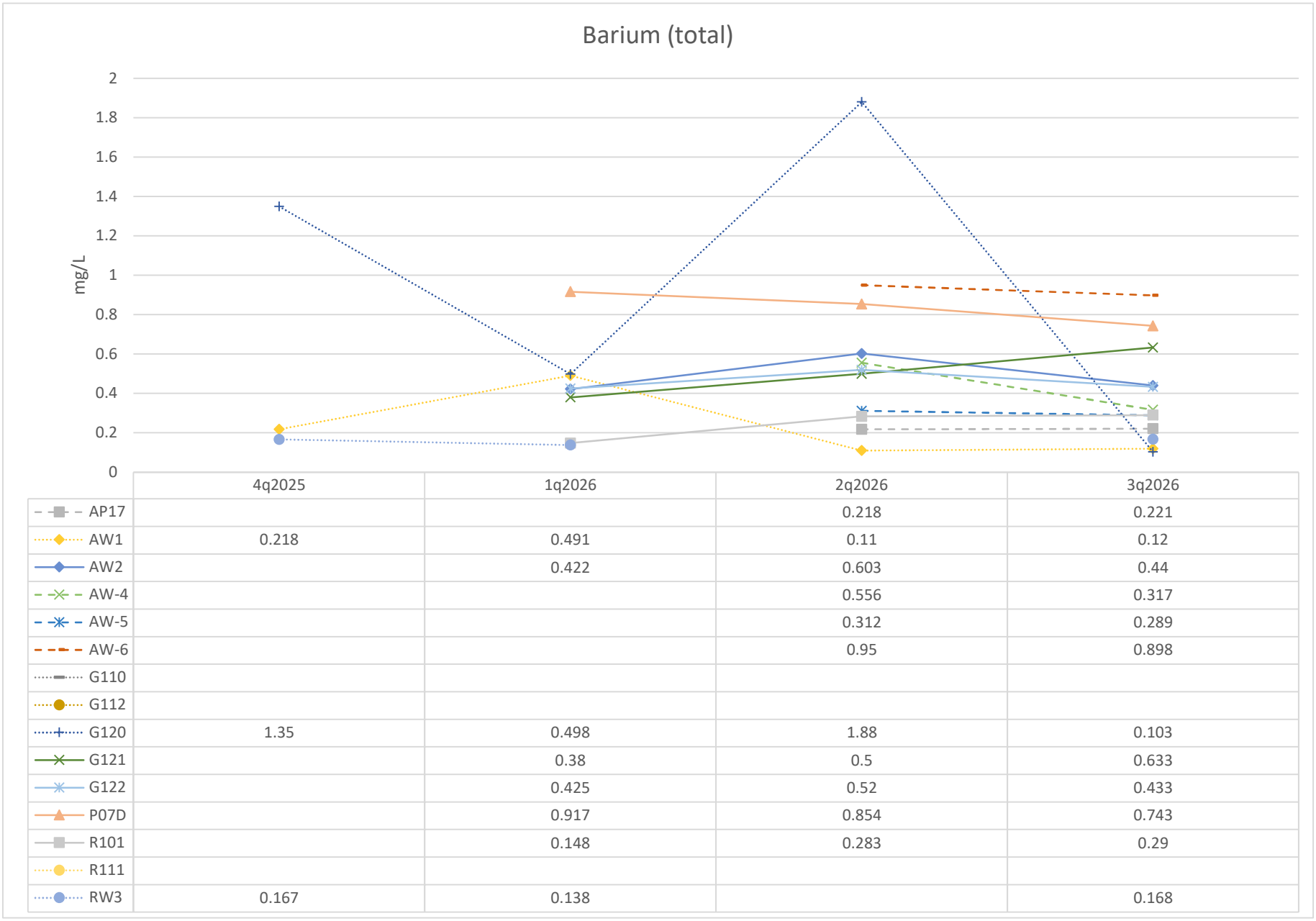
**Cooler Information**

| Cooler No | Temp ºC | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 23.7 | Good | Yes | | | |

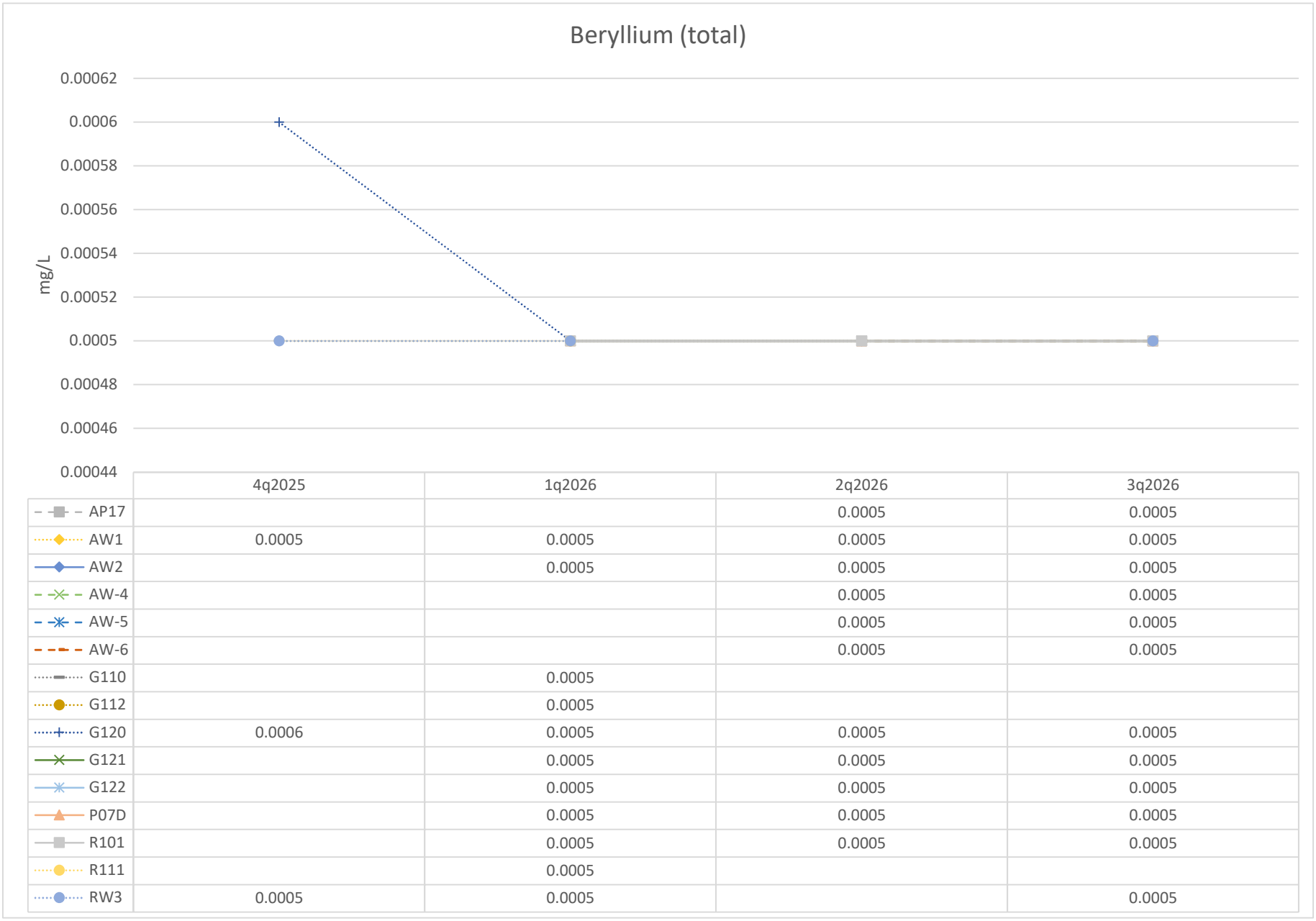
# APPENDIX E:
## TREND GRAPHS



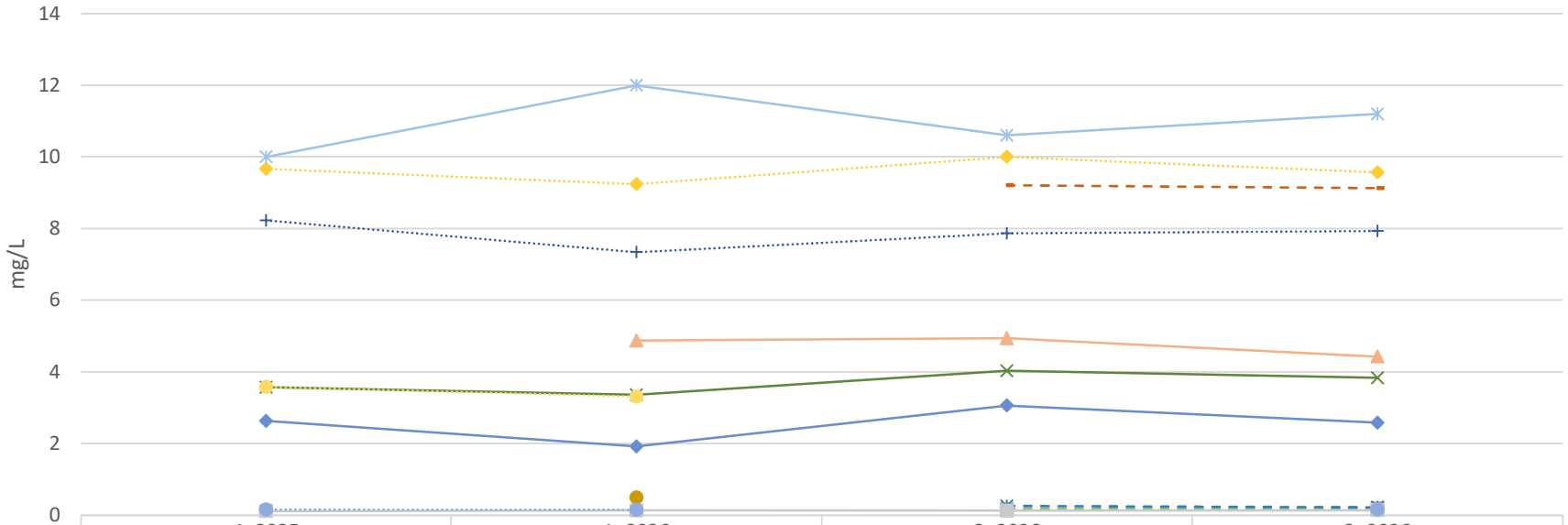

| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 0.0062 | 0.0043 |
| AW1 | 0.13 | 0.152 | 0.0357 | 0.0813 |
| AW2 | 0.0134 | 0.0099 | 0.0144 | 0.0098 |
| AW-4 | | | 0.0143 | 0.0084 |
| AW-5 | | | 0.0086 | 0.0096 |
| AW-6 | | | 0.0301 | 0.025 |
| G110 | 0.0046 | 0.0055 | | |
| G112 | 0.001 | 0.0014 | | |
| G120 | 0.0128 | 0.0105 | 0.0169 | 0.001 |
| G121 | 0.0126 | 0.0075 | 0.0141 | 0.0177 |
| G122 | 0.0016 | 0.0025 | 0.0019 | 0.0031 |
| P07D | | 0.0294 | 0.0272 | 0.0305 |
| R101 | 0.001 | 0.001 | 0.0014 | 0.0018 |
| R111 | 0.0171 | 0.0156 | | |
| RW3 | 0.108 | 0.0654 | | 0.119 |



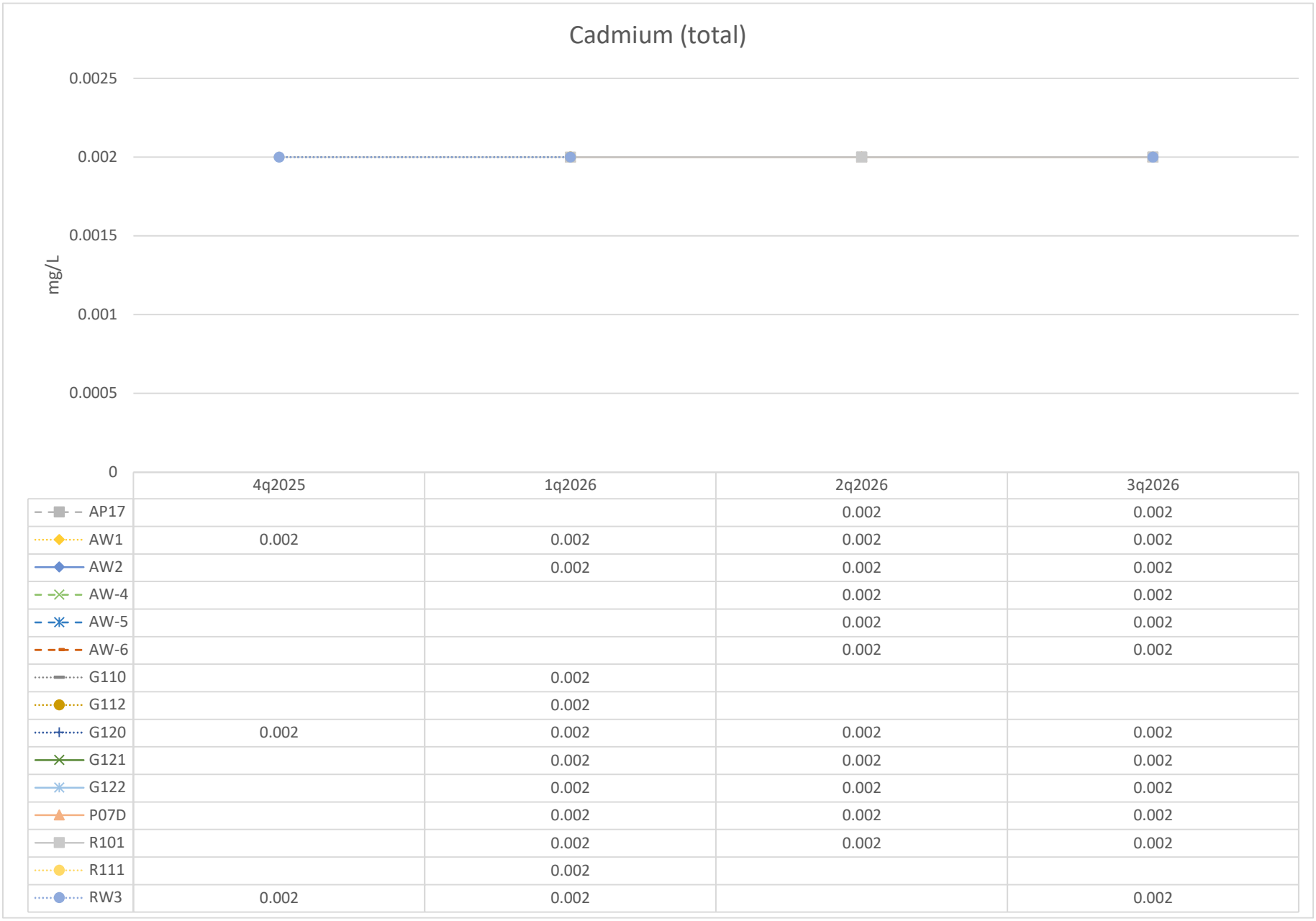

| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 0.218 | 0.221 |
| AW1 | 0.218 | 0.491 | 0.11 | 0.12 |
| AW2 | | 0.422 | 0.603 | 0.44 |
| AW-4 | | | 0.556 | 0.317 |
| AW-5 | | | 0.312 | 0.289 |
| AW-6 | | | 0.95 | 0.898 |
| G110 | | | | |
| G112 | | | | |
| G120 | 1.35 | 0.498 | 1.88 | 0.103 |
| G121 | | 0.38 | 0.5 | 0.633 |
| G122 | | 0.425 | 0.52 | 0.433 |
| P07D | | 0.917 | 0.854 | 0.743 |
| R101 | | 0.148 | 0.283 | 0.29 |
| R111 | | | | |
| RW3 | 0.167 | 0.138 | | 0.168 |



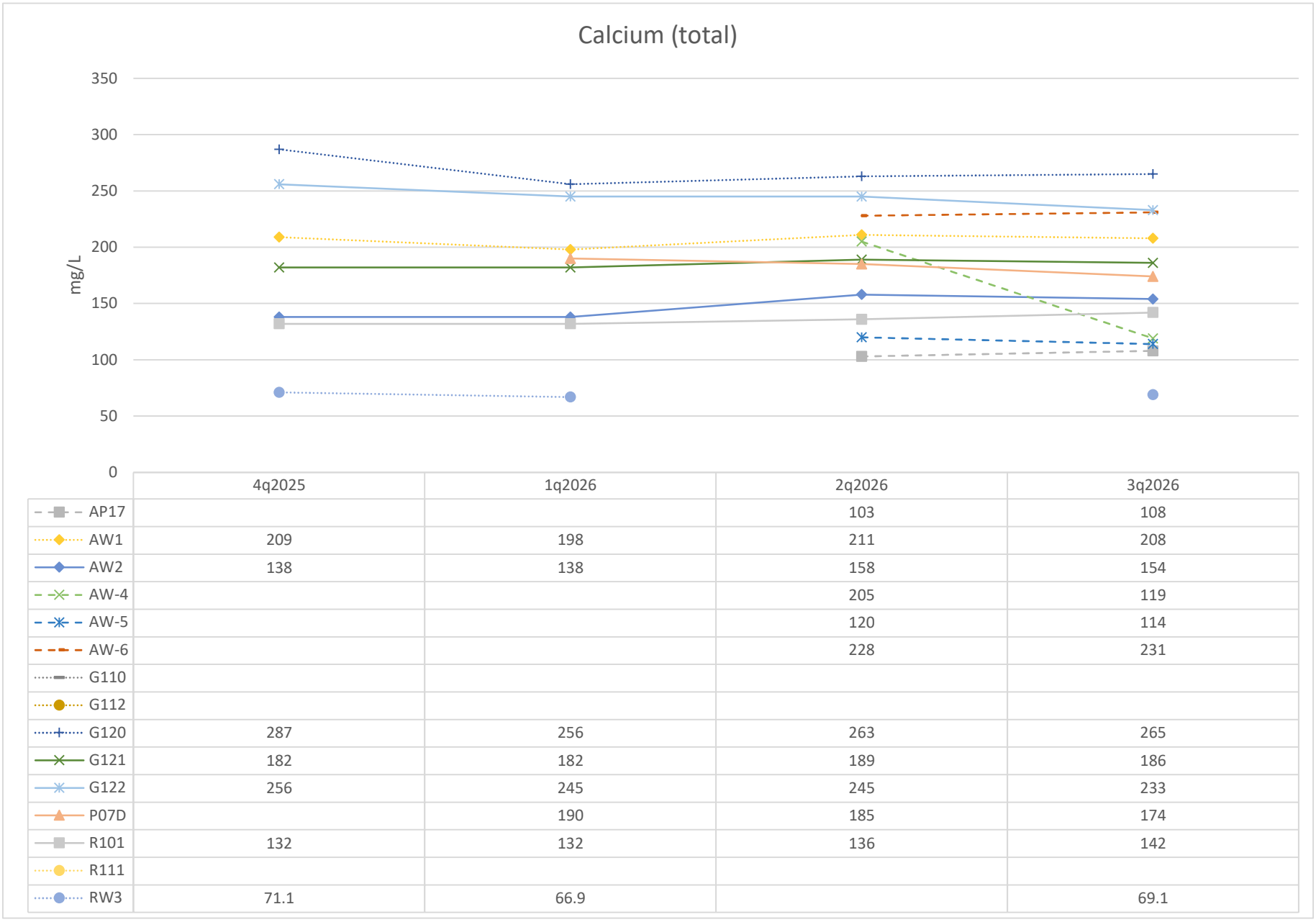

| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 0.0005 | 0.0005 |
| AW1 | 0.0005 | 0.0005 | 0.0005 | 0.0005 |
| AW2 | | 0.0005 | 0.0005 | 0.0005 |
| AW-4 | | | 0.0005 | 0.0005 |
| AW-5 | | | 0.0005 | 0.0005 |
| AW-6 | | | 0.0005 | 0.0005 |
| G110 | | 0.0005 | | |
| G112 | | 0.0005 | | |
| G120 | 0.0006 | 0.0005 | 0.0005 | 0.0005 |
| G121 | | 0.0005 | 0.0005 | 0.0005 |
| G122 | | 0.0005 | 0.0005 | 0.0005 |
| P07D | | 0.0005 | 0.0005 | 0.0005 |
| R101 | | 0.0005 | 0.0005 | 0.0005 |
| R111 | | 0.0005 | | |
| RW3 | 0.0005 | 0.0005 | | 0.0005 |



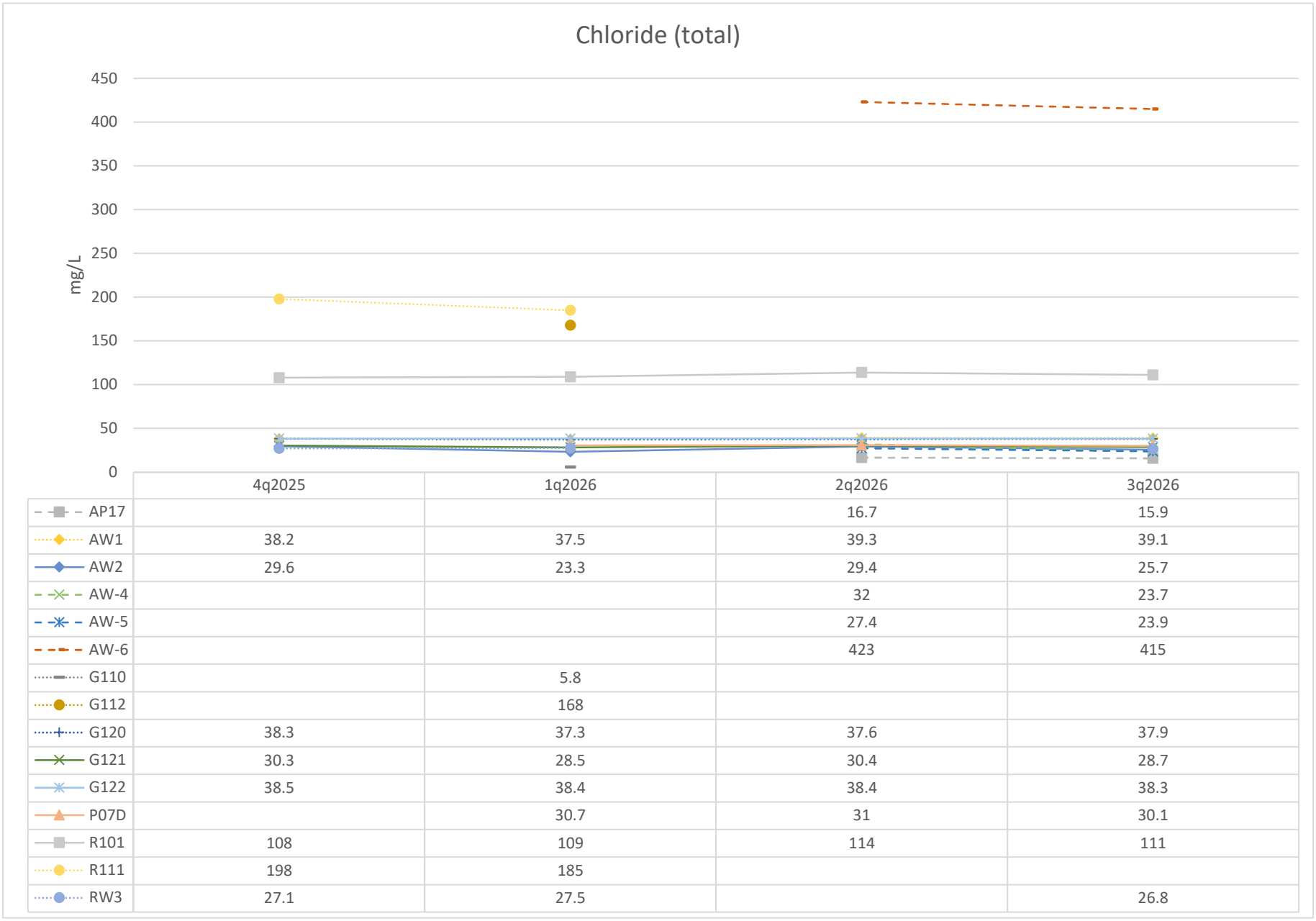

| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 0.16 | 0.188 |
| AW1 | 9.67 | 9.24 | 10 | 9.57 |
| AW2 | 2.63 | 1.92 | 3.06 | 2.58 |
| AW-4 | | | 0.177 | 0.202 |
| AW-5 | | | 0.259 | 0.22 |
| AW-6 | | | 9.21 | 9.13 |
| G110 | | 0.103 | | |
| G112 | | 0.494 | | |
| G120 | 8.23 | 7.34 | 7.87 | 7.93 |
| G121 | 3.57 | 3.36 | 4.03 | 3.83 |
| G122 | 10 | 12 | 10.6 | 11.2 |
| P07D | | 4.87 | 4.94 | 4.43 |
| R101 | 0.116 | 0.135 | 0.129 | 0.14 |
| R111 | 3.58 | 3.31 | | |
| RW3 | 0.16 | 0.148 | | 0.155 |



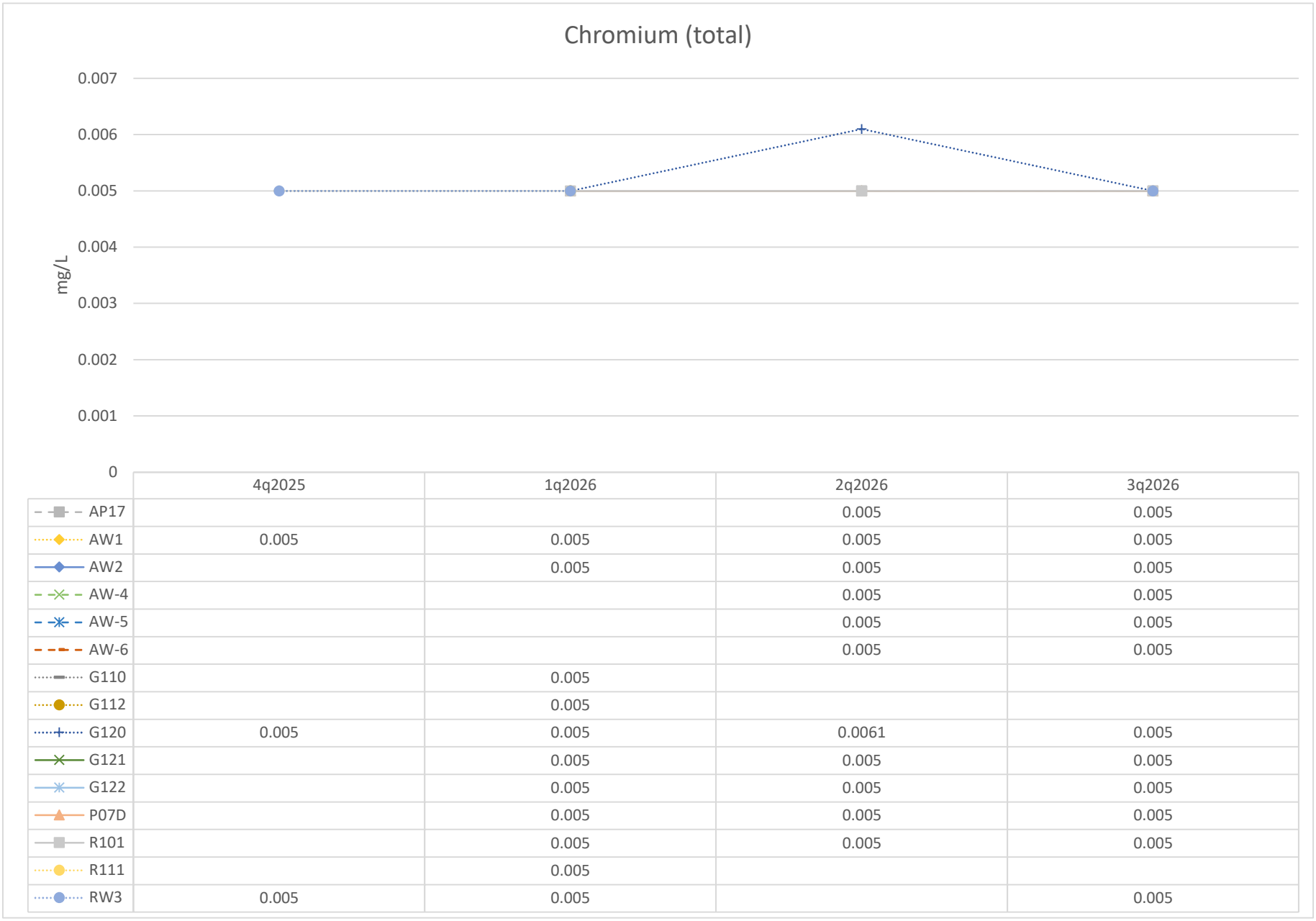

| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 0.002 | 0.002 |
| AW1 | 0.002 | 0.002 | 0.002 | 0.002 |
| AW2 | | 0.002 | 0.002 | 0.002 |
| AW-4 | | | 0.002 | 0.002 |
| AW-5 | | | 0.002 | 0.002 |
| AW-6 | | | 0.002 | 0.002 |
| G110 | | 0.002 | | |
| G112 | | 0.002 | | |
| G120 | 0.002 | 0.002 | 0.002 | 0.002 |
| G121 | | 0.002 | 0.002 | 0.002 |
| G122 | | 0.002 | 0.002 | 0.002 |
| P07D | | 0.002 | 0.002 | 0.002 |
| R101 | | 0.002 | 0.002 | 0.002 |
| R111 | | 0.002 | | |
| RW3 | 0.002 | 0.002 | | 0.002 |



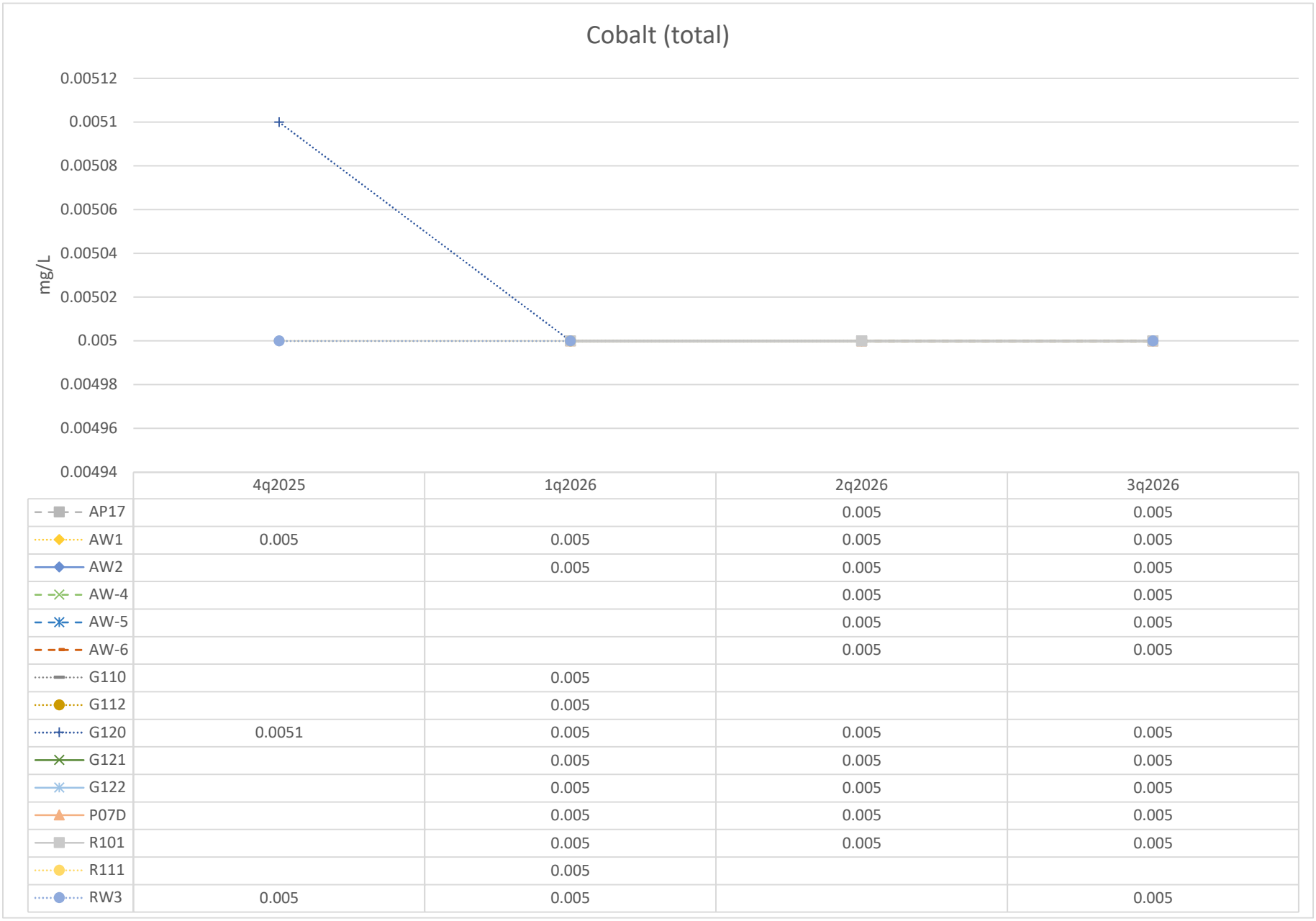

| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 103 | 108 |
| AW1 | 209 | 198 | 211 | 208 |
| AW2 | 138 | 138 | 158 | 154 |
| AW-4 | | | 205 | 119 |
| AW-5 | | | 120 | 114 |
| AW-6 | | | 228 | 231 |
| G110 | | | | |
| G112 | | | | |
| G120 | 287 | 256 | 263 | 265 |
| G121 | 182 | 182 | 189 | 186 |
| G122 | 256 | 245 | 245 | 233 |
| P07D | | 190 | 185 | 174 |
| R101 | 132 | 132 | 136 | 142 |
| R111 | | | | |
| RW3 | 71.1 | 66.9 | | 69.1 |



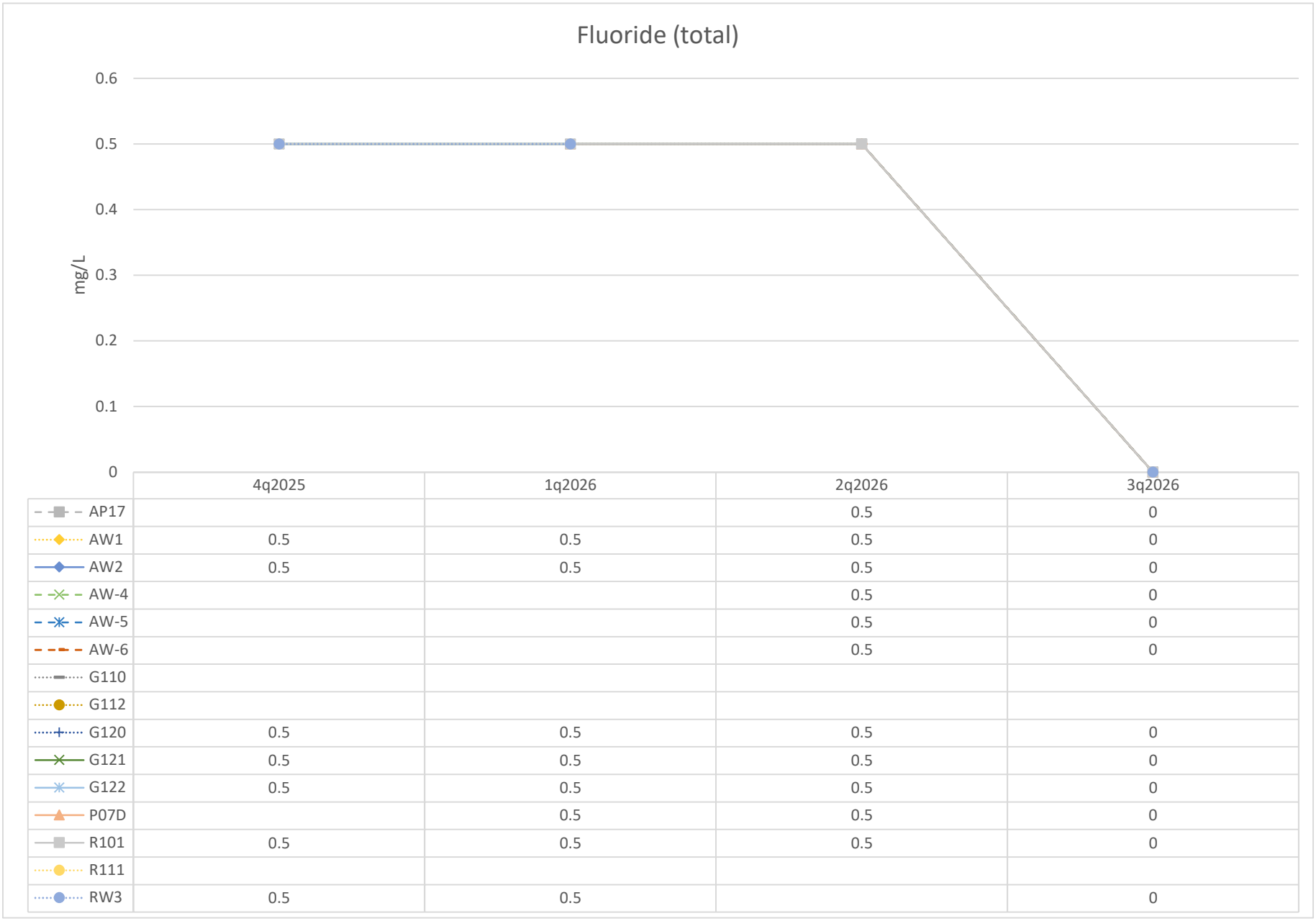

| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 16.7 | 15.9 |
| AW1 | 38.2 | 37.5 | 39.3 | 39.1 |
| AW2 | 29.6 | 23.3 | 29.4 | 25.7 |
| AW-4 | | | 32 | 23.7 |
| AW-5 | | | 27.4 | 23.9 |
| AW-6 | | | 423 | 415 |
| G110 | | 5.8 | | |
| G112 | | 168 | | |
| G120 | 38.3 | 37.3 | 37.6 | 37.9 |
| G121 | 30.3 | 28.5 | 30.4 | 28.7 |
| G122 | 38.5 | 38.4 | 38.4 | 38.3 |
| P07D | | 30.7 | 31 | 30.1 |
| R101 | 108 | 109 | 114 | 111 |
| R111 | 198 | 185 | | |
| RW3 | 27.1 | 27.5 | | 26.8 |




| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 0.005 | 0.005 |
| AW1 | 0.005 | 0.005 | 0.005 | 0.005 |
| AW2 | | 0.005 | 0.005 | 0.005 |
| AW-4 | | | 0.005 | 0.005 |
| AW-5 | | | 0.005 | 0.005 |
| AW-6 | | | 0.005 | 0.005 |
| G110 | | 0.005 | | |
| G112 | | 0.005 | | |
| G120 | 0.005 | 0.005 | 0.0061 | 0.005 |
| G121 | | 0.005 | 0.005 | 0.005 |
| G122 | | 0.005 | 0.005 | 0.005 |
| P07D | | 0.005 | 0.005 | 0.005 |
| R101 | | 0.005 | 0.005 | 0.005 |
| R111 | | 0.005 | | |
| RW3 | 0.005 | 0.005 | | 0.005 |

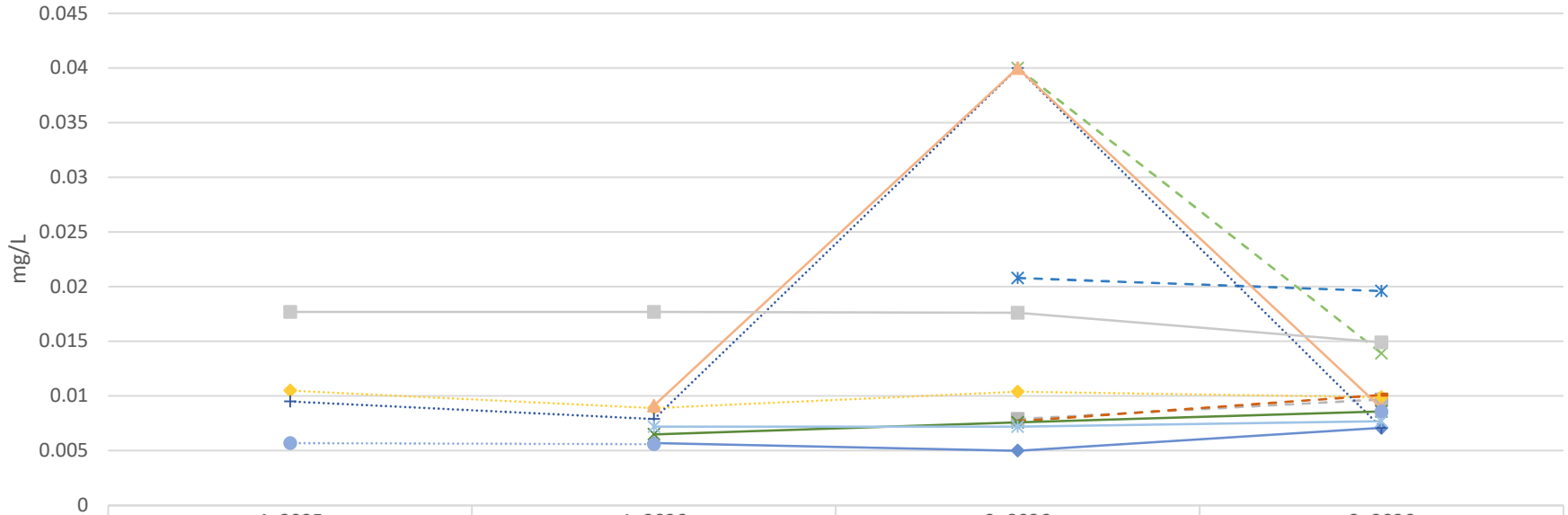



| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 0.005 | 0.005 |
| AW1 | 0.005 | 0.005 | 0.005 | 0.005 |
| AW2 | | 0.005 | 0.005 | 0.005 |
| AW-4 | | | 0.005 | 0.005 |
| AW-5 | | | 0.005 | 0.005 |
| AW-6 | | | 0.005 | 0.005 |
| G110 | | 0.005 | | |
| G112 | | 0.005 | | |
| G120 | 0.0051 | 0.005 | 0.005 | 0.005 |
| G121 | | 0.005 | 0.005 | 0.005 |
| G122 | | 0.005 | 0.005 | 0.005 |
| P07D | | 0.005 | 0.005 | 0.005 |
| R101 | | 0.005 | 0.005 | 0.005 |
| R111 | | 0.005 | | |
| RW3 | 0.005 | 0.005 | | 0.005 |

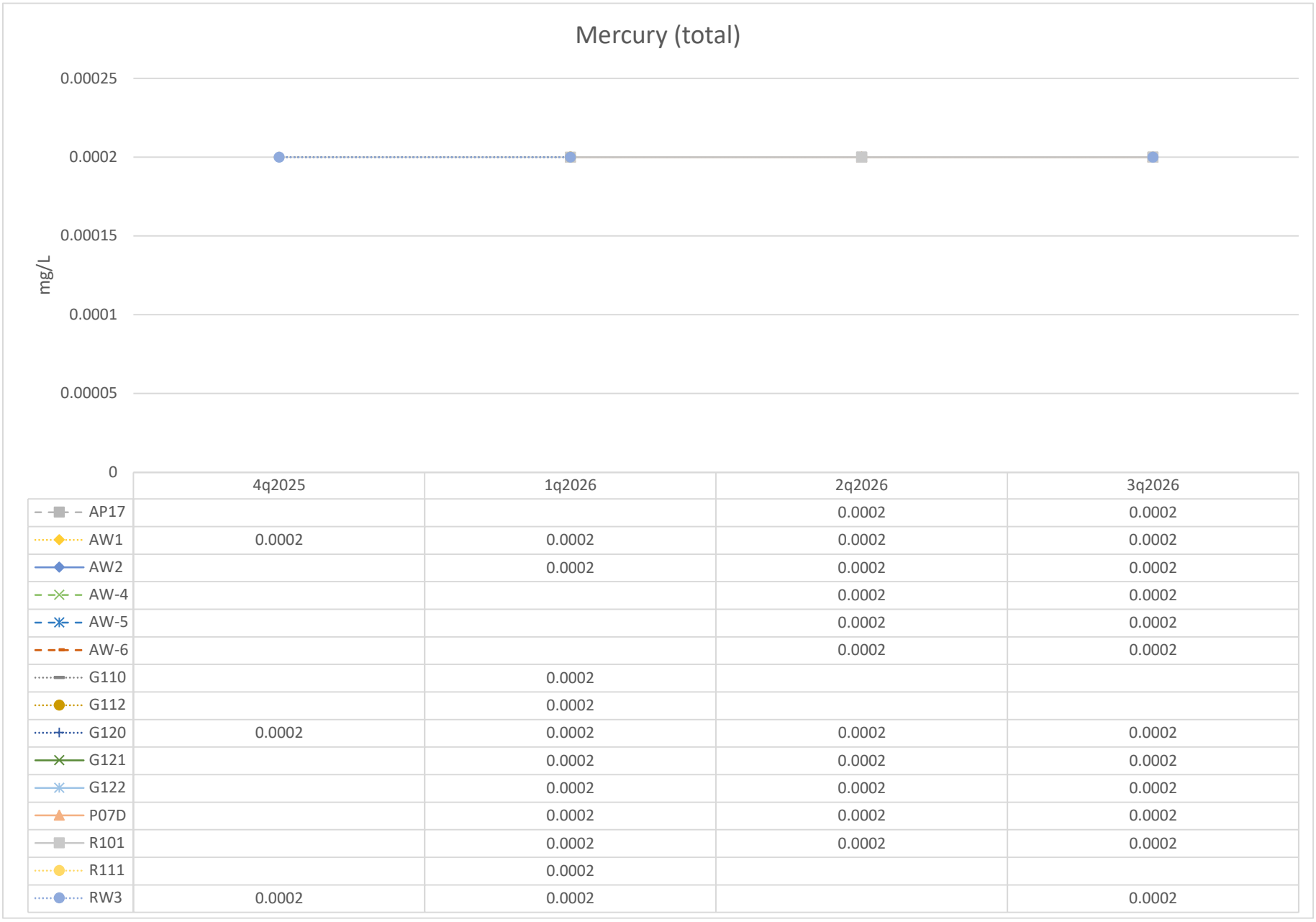



| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 0.5 | 0 |
| AW1 | 0.5 | 0.5 | 0.5 | 0 |
| AW2 | 0.5 | 0.5 | 0.5 | 0 |
| AW-4 | | | 0.5 | 0 |
| AW-5 | | | 0.5 | 0 |
| AW-6 | | | 0.5 | 0 |
| G110 | | | | |
| G112 | | | | |
| G120 | 0.5 | 0.5 | 0.5 | 0 |
| G121 | 0.5 | 0.5 | 0.5 | 0 |
| G122 | 0.5 | 0.5 | 0.5 | 0 |
| P07D | | 0.5 | 0.5 | 0 |
| R101 | 0.5 | 0.5 | 0.5 | 0 |
| R111 | | | | |
| RW3 | 0.5 | 0.5 | | 0 |

| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 0.0075 | 0.0075 |
| AW1 | 0.0075 | 0.0075 | 0.0075 | 0.0075 |
| AW2 | 0.0075 | 0.0075 | 0.0075 | 0.0075 |
| AW-4 | | | 0.0075 | 0.0075 |
| AW-5 | | | 0.0075 | 0.0075 |
| AW-6 | | | 0.0075 | 0.0075 |
| G110 | | 0.01 | | |
| G112 | | 0.01 | | |
| G120 | 0.0075 | 0.0075 | 0.0075 | 0.0075 |
| G121 | 0.0075 | 0.0075 | 0.0075 | 0.0075 |
| G122 | 0.0075 | 0.0075 | 0.0075 | 0.0075 |
| P07D | | 0.0075 | 0.0075 | 0.0075 |
| R101 | 0.0075 | 0.0075 | 0.0075 | 0.0075 |
| R111 | 0.0075 | 0.01 | | |
| RW3 | 0.0075 | 0.0075 | | 0.0075 |

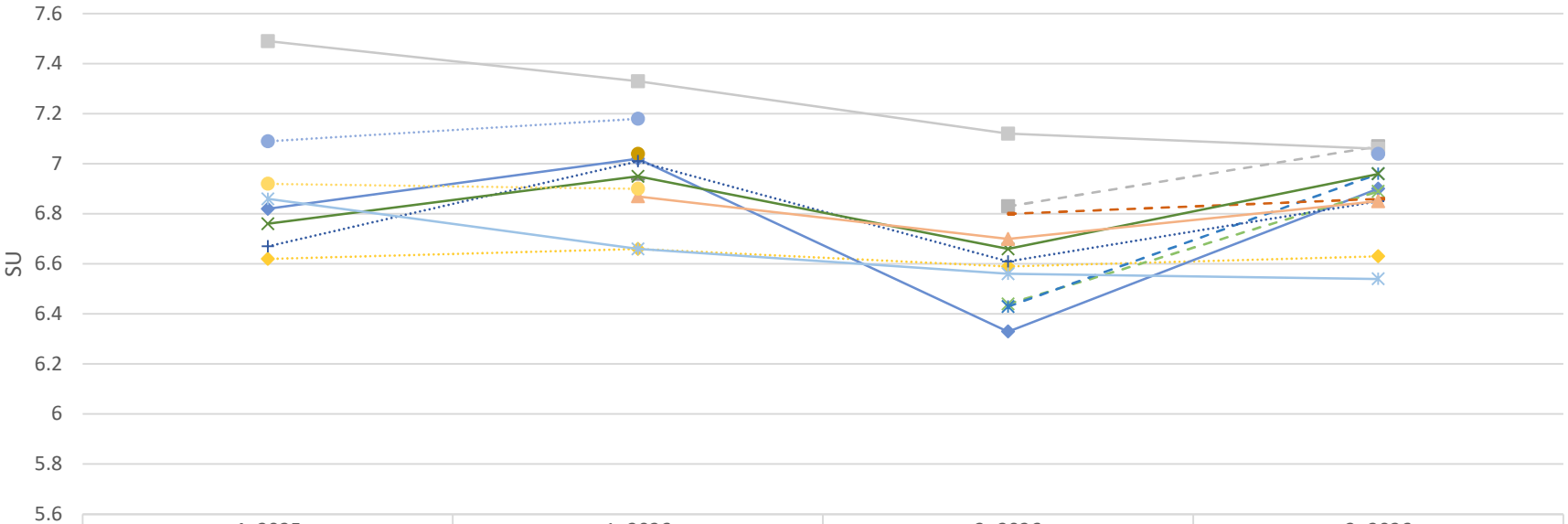



| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 0.0079 | 0.0097 |
| AW1 | 0.0105 | 0.0089 | 0.0104 | 0.0099 |
| AW2 | | 0.0057 | 0.005 | 0.0071 |
| AW-4 | | | 0.04 | 0.0139 |
| AW-5 | | | 0.0208 | 0.0196 |
| AW-6 | | | 0.0077 | 0.0101 |
| G110 | | | | |
| G112 | | | | |
| G120 | 0.0095 | 0.0079 | 0.04 | 0.0071 |
| G121 | | 0.0065 | 0.0076 | 0.0086 |
| G122 | | 0.0072 | 0.0072 | 0.0077 |
| P07D | | 0.0091 | 0.04 | 0.0089 |
| R101 | 0.0177 | 0.0177 | 0.0176 | 0.0149 |
| R111 | | | | |
| RW3 | 0.0057 | 0.0056 | | 0.0086 |

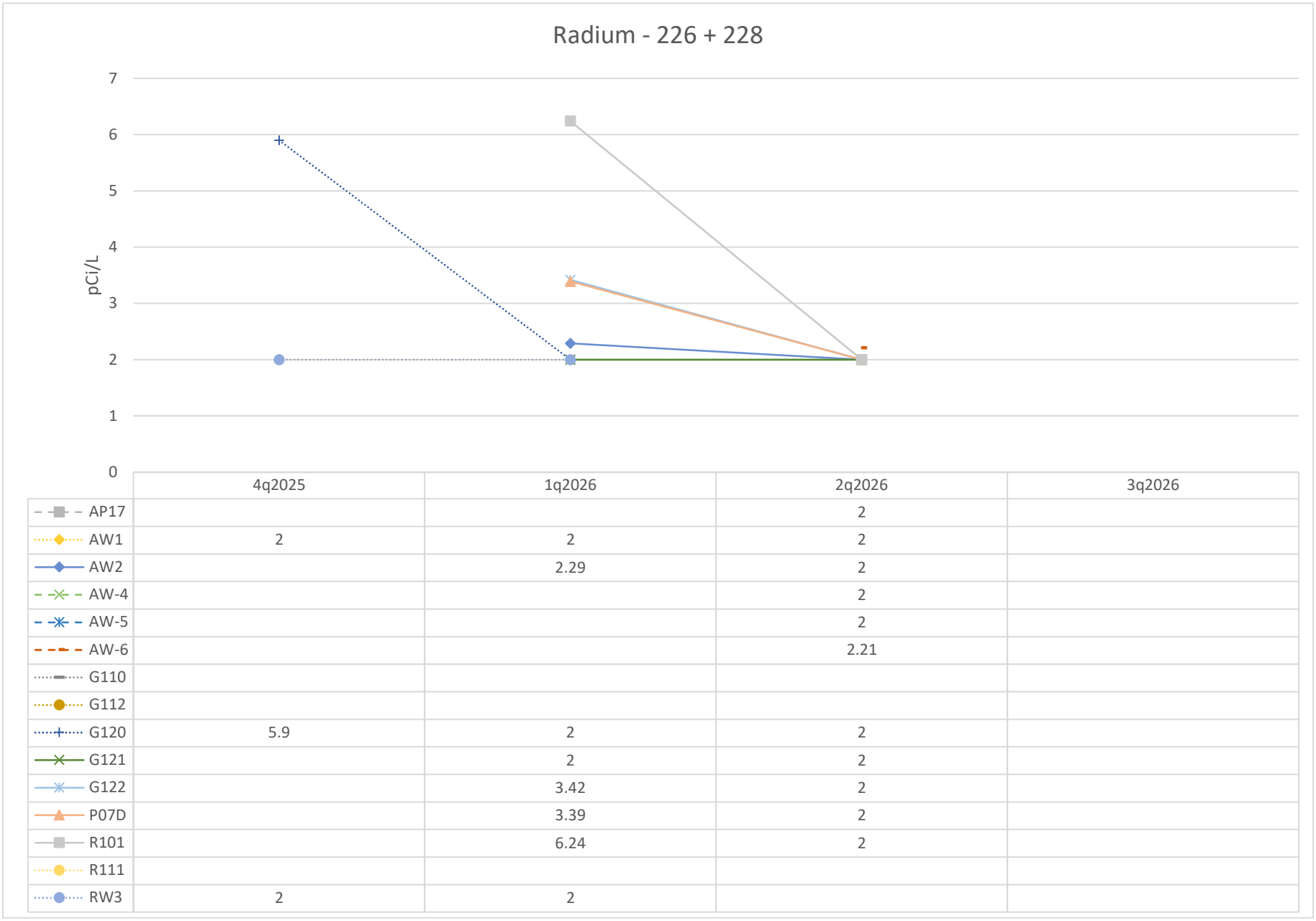



| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 0.0002 | 0.0002 |
| AW1 | 0.0002 | 0.0002 | 0.0002 | 0.0002 |
| AW2 | | 0.0002 | 0.0002 | 0.0002 |
| AW-4 | | | 0.0002 | 0.0002 |
| AW-5 | | | 0.0002 | 0.0002 |
| AW-6 | | | 0.0002 | 0.0002 |
| G110 | | 0.0002 | | |
| G112 | | 0.0002 | | |
| G120 | 0.0002 | 0.0002 | 0.0002 | 0.0002 |
| G121 | | 0.0002 | 0.0002 | 0.0002 |
| G122 | | 0.0002 | 0.0002 | 0.0002 |
| P07D | | 0.0002 | 0.0002 | 0.0002 |
| R101 | | 0.0002 | 0.0002 | 0.0002 |
| R111 | | 0.0002 | | |
| RW3 | 0.0002 | 0.0002 | | 0.0002 |

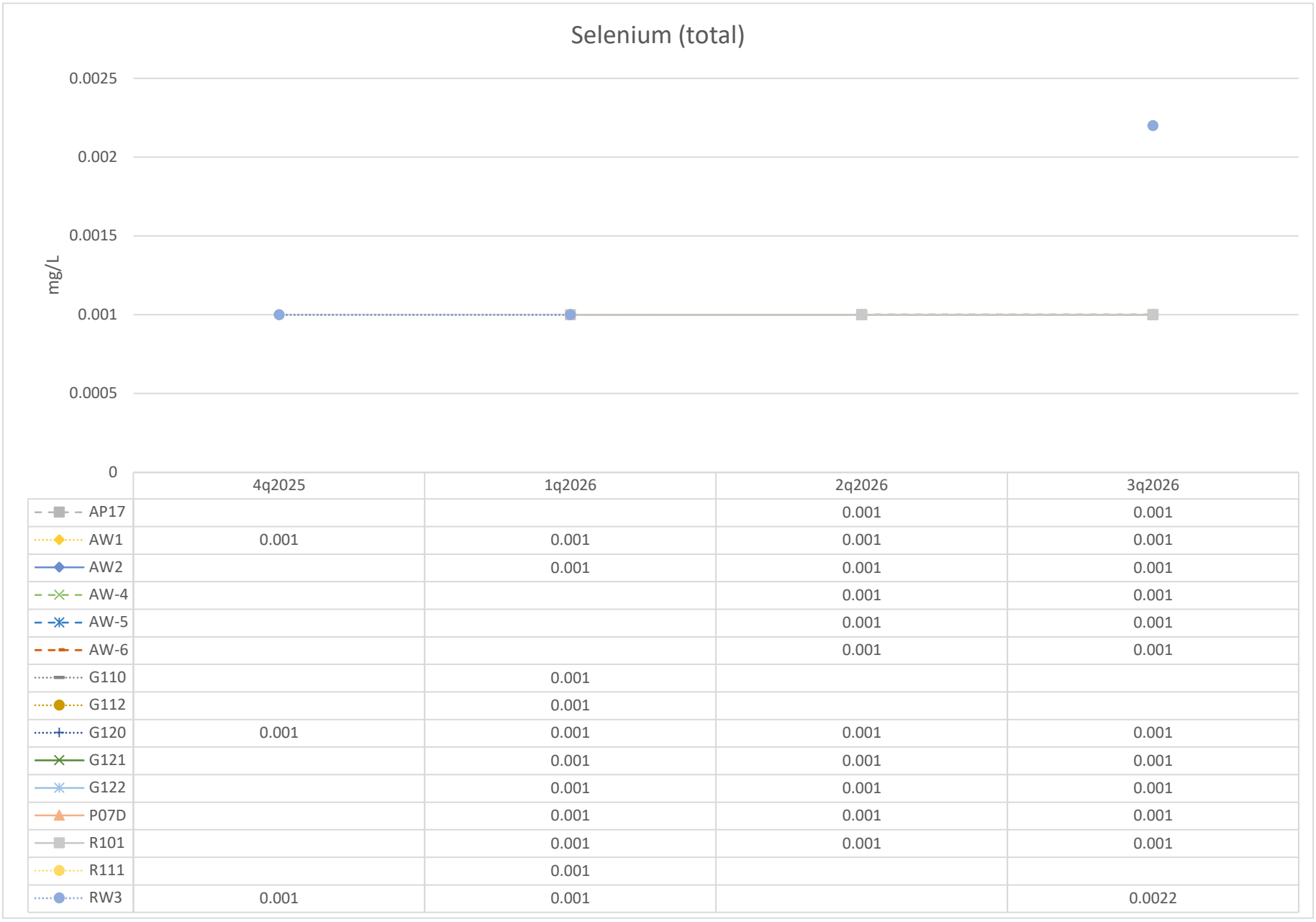
| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 0.01 | 0.01 |
| AW1 | 0.01 | 0.01 | 0.01 | 0.01 |
| AW2 | | 0.01 | 0.01 | 0.01 |
| AW-4 | | | 0.01 | 0.01 |
| AW-5 | | | 0.01 | 0.01 |
| AW-6 | | | 0.01 | 0.01 |
| G110 | | 0.01 | | |
| G112 | | 0.01 | | |
| G120 | 0.01 | 0.01 | 0.01 | 0.01 |
| G121 | | 0.01 | 0.01 | 0.01 |
| G122 | | 0.01 | 0.01 | 0.01 |
| P07D | | 0.01 | 0.01 | 0.01 |
| R101 | | 0.01 | 0.01 | 0.01 |
| R111 | | 0.01 | | |
| RW3 | 0.01 | 0.01 | | 0.01 |



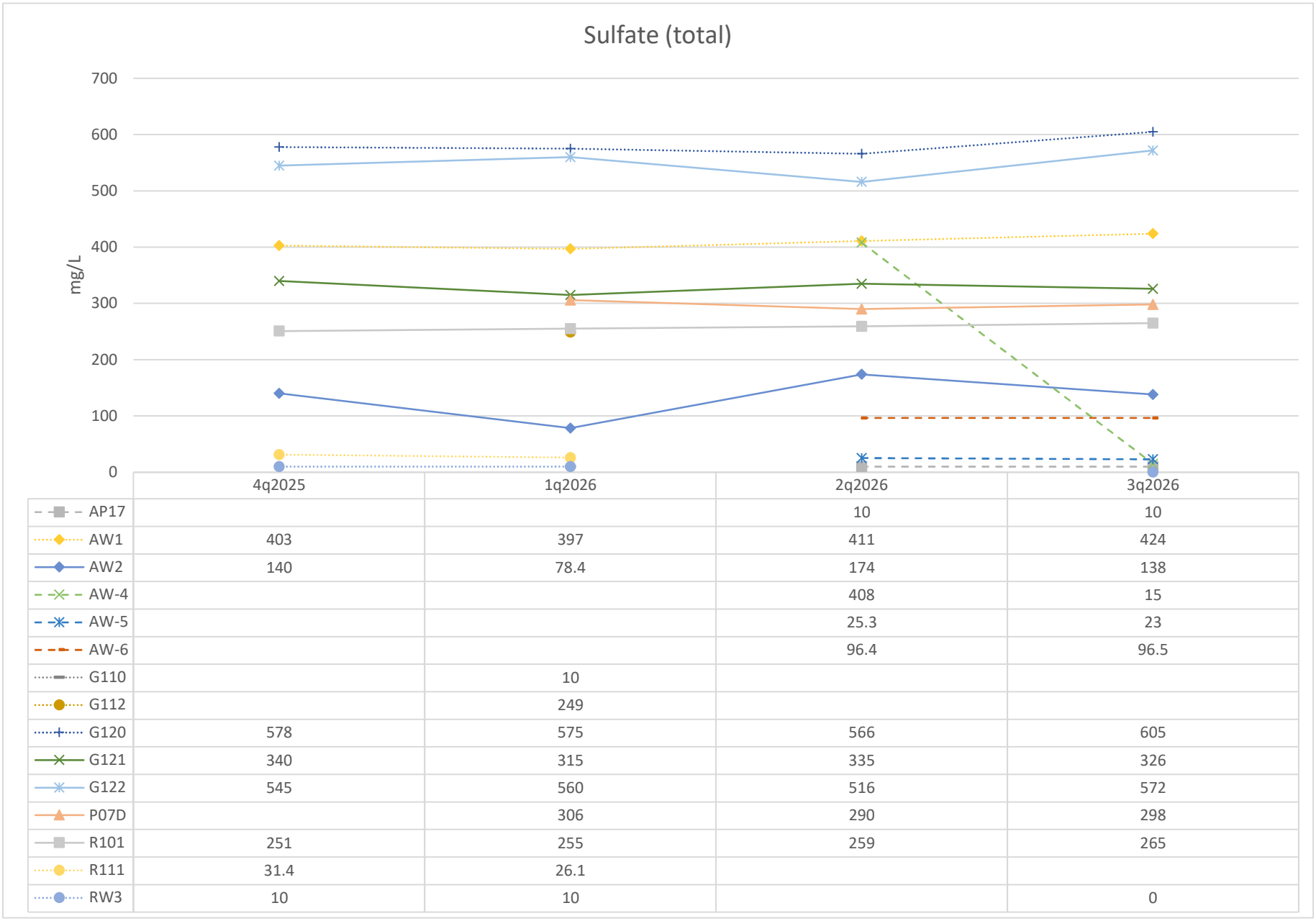

| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 6.83 | 7.07 |
| AW1 | 6.62 | 6.66 | 6.59 | 6.63 |
| AW2 | 6.82 | 7.02 | 6.33 | 6.9 |
| AW-4 | | | 6.44 | 6.89 |
| AW-5 | | | 6.43 | 6.96 |
| AW-6 | | | 6.8 | 6.86 |
| G110 | | 6.94 | | |
| G112 | | 7.04 | | |
| G120 | 6.67 | 7.01 | 6.61 | 6.85 |
| G121 | 6.76 | 6.95 | 6.66 | 6.96 |
| G122 | 6.86 | 6.66 | 6.56 | 6.54 |
| P07D | | 6.87 | 6.7 | 6.85 |
| R101 | 7.49 | 7.33 | 7.12 | 7.06 |
| R111 | 6.92 | 6.9 | | |
| RW3 | 7.09 | 7.18 | | 7.04 |



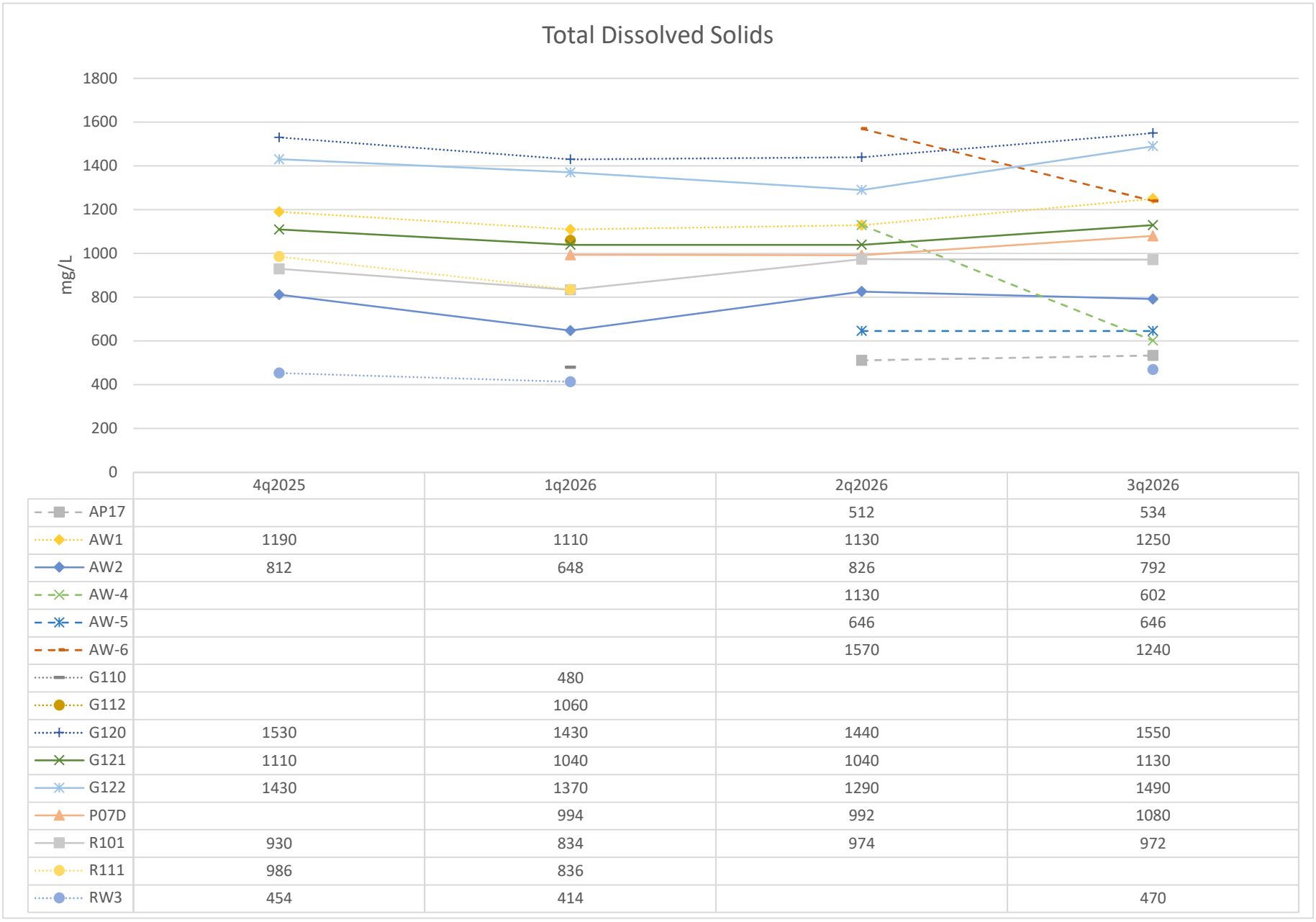

| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 2 | |
| AW1 | 2 | 2 | 2 | |
| AW2 | | 2.29 | 2 | |
| AW-4 | | | 2 | |
| AW-5 | | | 2 | |
| AW-6 | | | 2.21 | |
| G110 | | | | |
| G112 | | | | |
| G120 | 5.9 | 2 | 2 | |
| G121 | | 2 | 2 | |
| G122 | | 3.42 | 2 | |
| P07D | | 3.39 | 2 | |
| R101 | | 6.24 | 2 | |
| R111 | | | | |
| RW3 | 2 | 2 | | |



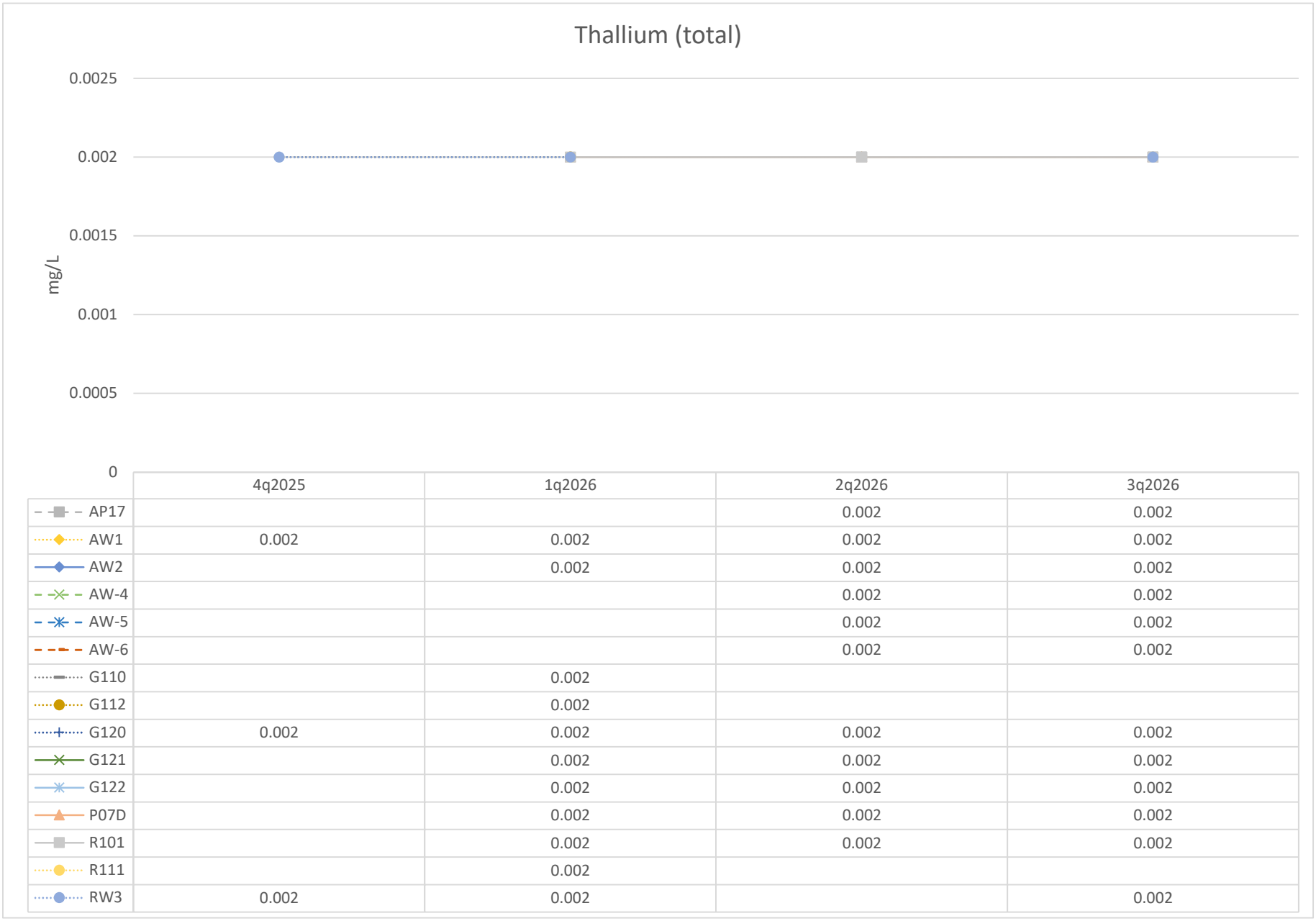

| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 0.001 | 0.001 |
| AW1 | 0.001 | 0.001 | 0.001 | 0.001 |
| AW2 | | 0.001 | 0.001 | 0.001 |
| AW-4 | | | 0.001 | 0.001 |
| AW-5 | | | 0.001 | 0.001 |
| AW-6 | | | 0.001 | 0.001 |
| G110 | | 0.001 | | |
| G112 | | 0.001 | | |
| G120 | 0.001 | 0.001 | 0.001 | 0.001 |
| G121 | | 0.001 | 0.001 | 0.001 |
| G122 | | 0.001 | 0.001 | 0.001 |
| P07D | | 0.001 | 0.001 | 0.001 |
| R101 | | 0.001 | 0.001 | 0.001 |
| R111 | | 0.001 | | |
| RW3 | 0.001 | 0.001 | | 0.0022 |



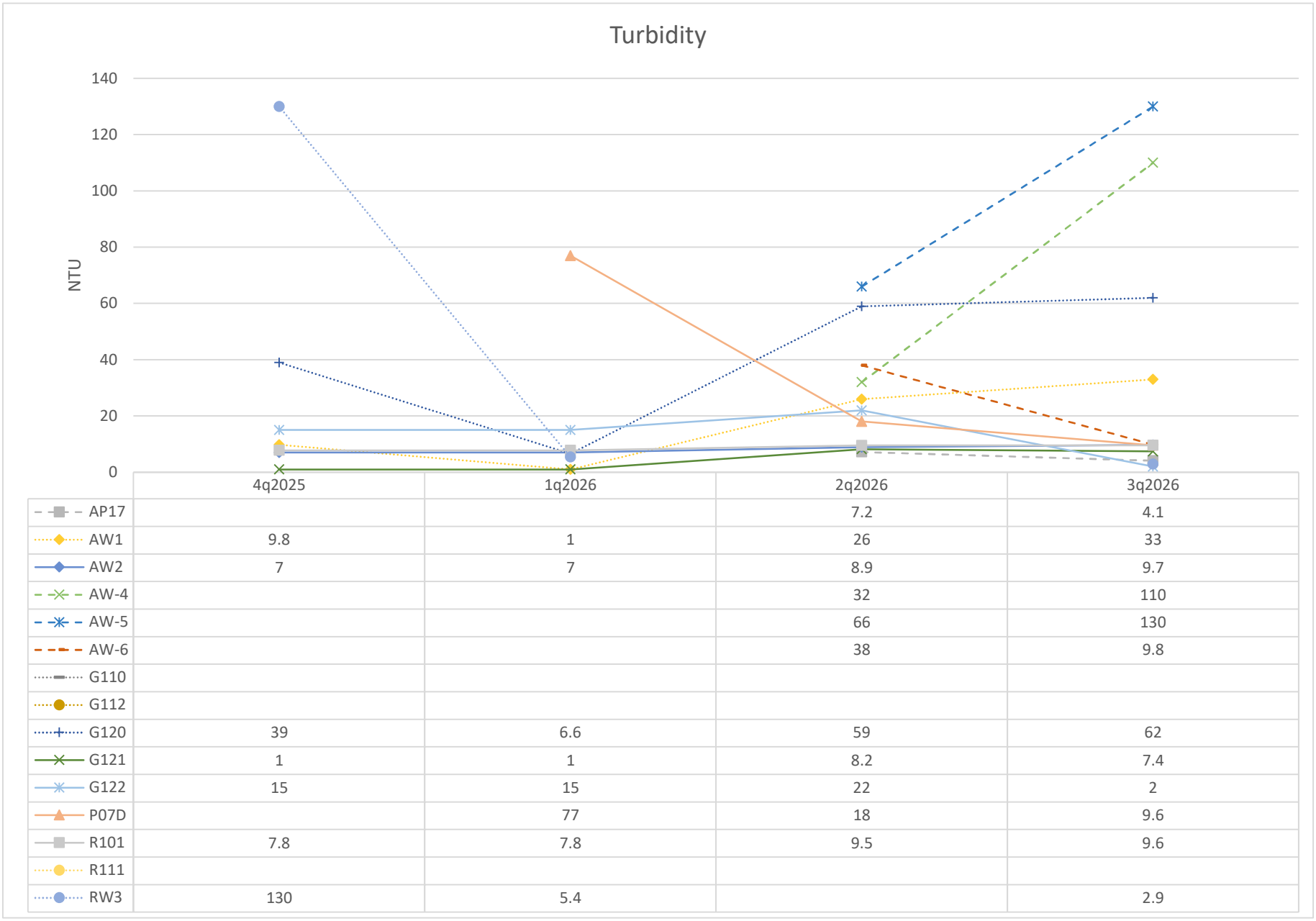

| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 10 | 10 |
| AW1 | 403 | 397 | 411 | 424 |
| AW2 | 140 | 78.4 | 174 | 138 |
| AW-4 | | | 408 | 15 |
| AW-5 | | | 25.3 | 23 |
| AW-6 | | | 96.4 | 96.5 |
| G110 | | 10 | | |
| G112 | | 249 | | |
| G120 | 578 | 575 | 566 | 605 |
| G121 | 340 | 315 | 335 | 326 |
| G122 | 545 | 560 | 516 | 572 |
| P07D | | 306 | 290 | 298 |
| R101 | 251 | 255 | 259 | 265 |
| R111 | 31.4 | 26.1 | | |
| RW3 | 10 | 10 | | 0 |




| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 512 | 534 |
| AW1 | 1190 | 1110 | 1130 | 1250 |
| AW2 | 812 | 648 | 826 | 792 |
| AW-4 | | | 1130 | 602 |
| AW-5 | | | 646 | 646 |
| AW-6 | | | 1570 | 1240 |
| G110 | | 480 | | |
| G112 | | 1060 | | |
| G120 | 1530 | 1430 | 1440 | 1550 |
| G121 | 1110 | 1040 | 1040 | 1130 |
| G122 | 1430 | 1370 | 1290 | 1490 |
| P07D | | 994 | 992 | 1080 |
| R101 | 930 | 834 | 974 | 972 |
| R111 | 986 | 836 | | |
| RW3 | 454 | 414 | | 470 |




| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 0.002 | 0.002 |
| AW1 | 0.002 | 0.002 | 0.002 | 0.002 |
| AW2 | | 0.002 | 0.002 | 0.002 |
| AW-4 | | | 0.002 | 0.002 |
| AW-5 | | | 0.002 | 0.002 |
| AW-6 | | | 0.002 | 0.002 |
| G110 | | 0.002 | | |
| G112 | | 0.002 | | |
| G120 | 0.002 | 0.002 | 0.002 | 0.002 |
| G121 | | 0.002 | 0.002 | 0.002 |
| G122 | | 0.002 | 0.002 | 0.002 |
| P07D | | 0.002 | 0.002 | 0.002 |
| R101 | | 0.002 | 0.002 | 0.002 |
| R111 | | 0.002 | | |
| RW3 | 0.002 | 0.002 | | 0.002 |




| | 4q2025 | 1q2026 | 2q2026 | 3q2026 |
|---|---|---|---|---|
| AP17 | | | 7.2 | 4.1 |
| AW1 | 9.8 | 1 | 26 | 33 |
| AW2 | 7 | 7 | 8.9 | 9.7 |
| AW-4 | | | 32 | 110 |
| AW-5 | | | 66 | 130 |
| AW-6 | | | 38 | 9.8 |
| G110 | | | | |
| G112 | | | | |
| G120 | 39 | 6.6 | 59 | 62 |
| G121 | 1 | 1 | 8.2 | 7.4 |
| G122 | 15 | 15 | 22 | 2 |
| P07D | | 77 | 18 | 9.6 |
| R101 | 7.8 | 7.8 | 9.5 | 9.6 |
| R111 | | | | |
| RW3 | 130 | 5.4 | | 2.9 |