

Loudon County Solid Waste Disposal Commission
March 19th, 2026
6:00PM
Loudon County Annex

Roll Call

Public Comment

LCSWDC:

- February 2026 Minutes
- Hydraulic Leak
- Monthly Pump Reports Update
- East Ditch Pond Update
- Borrow Pit Update
- 2026 Audit
- 2nd Semiannual 2025 Groundwater Monitoring Report
- Groundwater Monitoring Report – Report Review

Republic:

- Operations
- Engineering Report
- Airspace Utilization Report
- TDEC Inspection
- Host and Security Fee Letter
- LCSWDC Financial Information

Action Items

Adjourn

Loudon County Solid Waste Disposal Commission Meeting Minutes

Date: February 19, 2026

Meeting Type: Regular Commission Meeting

Location: Courthouse Annex Building, Loudon, Tennessee

Time: 6:00 pm EST

Chairman: Mr. Adam Waller

Attendees:

- **Commission Members Present:** Chairman Mr. Adam Waller, Ms. Monty Ross, Mr. Gary Hendrix, Mr. Andy Lawson, Dr. Steve Bartell
- **Commission Members Absent:** None
- **Legal Representation:** Ms. Elizabeth Murphy
- **Republic Services:** Mr. David Hollinshead (Mr. Stoddard Pickerell absent - working out west)
- **Consulting Engineer:** Mr. Chris Cline
- **Special Presenters:** Tim Hendrick, Deputy Director/Environmental Planner, East Tennessee Development District
- **Public:** Brian Viars, Pat Hunter, Rick (Tellico Village), other attendees

CALL TO ORDER

Chairman Waller called the meeting to order at 6:00 pm EST. Ms. Ross conducted roll call with all five commission members present.

PUBLIC COMMENTS

Brian Viars - Borrow Pit Rezoning and Road Conditions

Borrow Pit Rezoning Concerns:

Mr. Viars referenced email response from Chairman Waller stating rezoning would be heard by Planning Commission in March with nothing more to discuss. Expressed disagreement, reading from January meeting minutes regarding borrow pit application process. Questioned what was discussed during February 10th Planning Commission meeting.

Chairman Waller's Response: February 10th Planning Commission hearing was postponed to March. Process involves: (1) Planning Commission hearing and vote, (2) County Commission workshop, (3) County Commission vote.

Road Conditions: Reported "absolutely horrible" mud conditions on highway with clear evidence of mud washing into stream. Did not photograph due to conditions but spoke with Revendra (TDEC) about issue. TDEC will attempt to address.

CFD Zoning Question: Mr. Viars stated that according to regulations, if property is rezoned to CFD (Community Facility District), it becomes a new landfill. Referenced county commission discussions.

Chairman Waller's Response: Characterized statement as inaccurate, noting hour-and-a-half discussion held Tuesday night with many attendees. CFD designation does not create new operating landfill. Encouraged Mr. Viars to attend March Planning Commission meeting. Confirmed Chase Randolph handling rezoning; application submitted for private borrow pit only.

Mr. Viars' Position: Maintained state regulations indicate CFD designation creates new landfill.

Chairman Waller's Response: Stated this is "inaccurate on new landfills" and confirmed CFD is county zoning matter, not state regulation creating new landfill.

Rick (Tellico Village) - Lawsuit Questions

Questioned what remedies Republic Services provided that led to lawsuit being dropped and whether those remedies were sufficient for Solid Waste Commission to eliminate lawsuit.

Ms. Murphy's Response:

Provided detailed explanation:

- Did not provide remedies under Rule 408 confidentiality structure allowed in state law

- Lawsuit dismissed in December because commission either had to serve it or lawsuit would go straight to federal court
- Republic indicated they would remove case to federal court
- Research concluded this was likely outcome
- Timeline would not trigger if summons not served
- Held summons, conducted negotiations under Rule 408
- Negotiations did not progress
- Lawsuit pulled to avoid being pushed into federal court prematurely
- Federal court moves very quickly; wanted all claims ready, not just most
- Window of opportunity existed by filing in Chancery Court
- Took advantage of opportunity; didn't work out but didn't lose anything
- Actually very satisfied with everything that came out of process
- Obtained information needed
- Sometimes beneficial to continue talking with parties for eventual resolution
- Contractual relationship with Republic Services; litigation not always best approach
- Totally disagrees lawsuit was ill-advised

Rick's Follow-up: Questioned whether lawsuit was ill-conceived if Republic's federal court removal was predictable from beginning.

Ms. Murphy's Response: Not discussing strategy publicly but clarifies there was window of opportunity by filing in Chancery Court. Satisfied with outcome and information obtained. Contractual relationship sometimes makes negotiation preferable to litigation. Cannot discuss confidential aspects but comfortable with process and outcomes.

Pat Hunter - Borrow Pit Rezoning Details

Noted borrow pit update on agenda but limited discussion during meeting. Raised concerns about rezoning application approved by commission and submitted by Stoddard.

Application Details Read by Ms. Hunter:

- Current zoning: A1
- Requested zoning: CFD (Community Facility District)
- Purpose stated: "Private soil borrow area for the adjacent solid waste landfill"

Ms. Hunter's Concerns: Referenced attorney (Ms. Murphy) deferring to county attorney on zoning issues. County planning regulations indicate:

- A1 zoning does not permit borrow pit
- CFD zoning permits "sanitary landfill operations subject to TDEC approval" and "solid waste disposal subject to approval by TDEC"
- Planning regulations do not specifically list borrow pit operations
- Borrow pit is an operation of a landfill but not specifically listed in regulations

Chairman Waller's Response: Zoning is county commission issue, not Solid Waste Commission regulations.

Application submitted specifically for intended use. CFD classification was created in recent years; original landfill was in A1 zoning. New landfills cannot be in A1 zoning. Rezoning to CFD for borrow pit only; use restricted to borrow pit.

Ms. Hunter's Position: Regulations must be applied as written. Anything beyond regulations would require Republic's agreement or would be subject to lawsuit if not in regulations.

Chairman Waller's Response: Encouraged attendance at March 10th Planning Commission hearing for full discussion.

Ms. Hunter's Question: Questioned borrow pit description and size not yet provided to public.

Chairman Waller's Response: Rezoning application is just for zoning change; plans submitted after rezoning approval.

Pat Hunter - Additional Questions

Original Landfill Rezoning: Asked whether original 152-acre landfill property will also be rezoned to CFD.

Chairman Waller's Response: Does not need rezoning; already operating as landfill. Grandfathered in under existing operations.

Seven-Acre Parcel Sale: Questioned 7-acre parcel potentially being sold connecting to Matlock Bend Road. Asked about total acreage (confirmed as part of 98 acres across three parcels) and whether parcel could be placed in land preservation instead of sold.

Chairman Waller's Response:

- Parcel is approximately 6.659 acres (will be surveyed)
 - Will be sold with deed restrictions: one parcel, one dwelling only
 - Prefers sale over land preservation because future leadership could change preservation status
 - Selling removes property from county control and places on tax rolls
 - Buyer can live there if desired; county receives tax revenue
-

ADMINISTRATIVE ACTIONS

January 2026 Minutes Approval

Ms. Ross proposed corrections to January minutes regarding lawsuit language:

Proposed Changes:

- Change "filed but did not record immediately" to reflect summons was not issued
- Change "lawsuit never officially filed" to "lawsuit officially filed but summons was not issued"

Ms. Murphy's Clarification:

- Case was officially filed
- Summons was not issued
- Correct language: "Summons was not issued"

Motion: Approve January 2026 minutes with Ms. Ross's corrections changing language to reflect lawsuit was filed but summons was not issued

Motion by: Ms. Ross

Seconded by: Mr. Hendrix

Result: Approved unanimously

ANNUAL PROGRESS REPORT - TIM HENDRICK PRESENTATION

Introduction

Tim Hendrick, Deputy Director/Environmental Planner for East Tennessee Development District, presented annual progress report serving 16 counties in region.

Waste Diversion Data

Three companies voluntarily provided recycling and waste diversion data for calendar year 2025:

Company Contributions:

- **Kimberly Clark:** 213,644.28 tons (largest in region; approximately one-third alternative daily cover, two-thirds actual recycling)
- **Premier:** 3,795.18 tons
- **American Honda Motor Company:** 1,500.59 tons

TDEC Real-Time Conversion Formula Results:

- **Loudon County waste diversion rate:** 50.2% as of February 20, 2026
- **State mandate:** 25%
- **County performance:** More than double mandated rate

Additional Data Pending:

- Big box store data (submitted directly to TDEC by companies, will increase percentage)
- Loudon County government data (Chris Parks to provide)
- Lenoir City data (usually less than 100 tons)
- All additional data will be entered through March 31st deadline

Historical Comparison:

- **2024 final rate:** 52.8%
- **Expected 2025 final rate:** Similar to 2024 once all data entered

Annual Progress Report Approval

Motion: Approve Annual Progress Report for 2025

Motion by: Mr. Lawson

Seconded by: Ms. Ross

Result: Approved unanimously

TDEC 10-YEAR SOLID WASTE PLAN OVERVIEW

State Plan Development

Tim Hendrick reported on January 21st TDEC workshop discussing state's 10-year solid waste plan:

State Plan Timeline:

- Official release later in 2026
- Public review draft on TDEC website early March 2026
- Public comment portal available on website
- Encouraged commission members to review and comment

County-Level 10-Year Plan Requirements

New Requirement: Every county must develop 10-year solid waste plan as part of state's plan. Guidelines will be included in state document.

Grant Funding:

- **Type:** Non-competitive grant (all counties eligible)
- **Funding tiers:** Based on population
- **Loudon County eligibility:** Up to \$25,000
- **Availability:** Tentatively September 2026
- **Assistance:** Tim Hendrick available to help with application process

Plan Development:

- **Timeline:** 6 months to 1 year to complete
- **Consultant requirement:** State recommends hiring consulting firms
- **TDEC support:** Pre-approved consultant list to be released
- **Example firms:** Gannett Fleming mentioned as likely on approved list
- **Self-development option:** Available but characterized as "tremendous undertaking"

Tim Hendrick strongly suggested procuring consultant firm for plan development. Chairman Waller expressed interest in engaging consultant before other counties create demand rush.

ADDITIONAL TDEC GRANT OPPORTUNITIES

Tim Hendrick outlined grant opportunities opening throughout 2026:

Convenience Center Grant

- **Opens:** Tentatively June 2026
- **Purpose:** Upgrades to convenience center sites
- **Frequency:** Annual opportunity

Used Automotive Fluid Grant

- **Opens:** Tentatively June 2026
- **Purpose:** Used oil, antifreeze, automotive fluid collection equipment at convenience centers
- **Funding:** Non-matching (fully funded)

Waste Reduction Grant

- **Opens:** Tentatively Fall 2026
- **Purpose:** Large equipment for recycling collection or processing (county-level processing preferred)
- **Amount:** Generally \$350,000
- **Target:** Major projects requiring significant funding

Recycling Equipment Grant

- **Opens:** Tentatively September 2026
- **Purpose:** Recycling collection and processing equipment
- **Amount:** Approximately \$50,000

Information Availability: Chairman Waller requested email list of all grants. Tim Hendrick confirmed availability on TDEC grant website with tentative dates. PowerPoint presentation from January 21st workshop to be sent to attendees.

Ms. Ross' Acknowledgment: Thanked for attending January 21st workshop on behalf of Loudon County. Characterized workshop as "really interesting" with valuable learning opportunities.

JURISDICTIONAL WATERS ASSESSMENT

Background and Purpose

Chairman Waller requested update from Chris Cline regarding property assessment conducted several months ago with Dr. Bartell. Explained purpose was examining jurisdictional waters on adjacent property being considered for borrow area.

Assessment Process and Participants

Chris Cline, Dr. Bartell, and Stoddard Pickerell walked property to compare current conditions with previous hydrologic determinations completed approximately five years ago.

Regulatory Oversight:

- TDEC (Tennessee Department of Environment and Conservation)
- Army Corps of Engineers

Findings and Conclusions

Stream Determination: Chris Cline believes feature will be considered a stream under regulatory review.

Operational Impact: Stream designation does not prevent landfill operations but requires working around stream with appropriate mitigation measures.

Property Division: Stream will divide property into two usable halves without extensive stream mitigation requirements.

Wildlife Observations: No wildlife or fisheries observed in water during assessment (Army Corps consideration factor).

Groundwater Intrusion: No evidence found of groundwater intruding into stream (Army Corps consideration factor).

Regulatory Process:

- Army Corps will provide initial jurisdictional waters determination
- TDEC will assume primary oversight after Army Corps sign-off
- Chris Cline believes Army Corps involvement will be brief once determination made

Dr. Bartell's Concurrence

Dr. Bartell agreed Chris Cline's report accurately summarizes all observations made during site visit.

Report Availability: Complete report available online on Solid Waste Commission website in meeting packet.

LEACHATE PUMP MONITORING REQUEST

Background - TDEC Inspection Issue

Chris Cline referenced most recent TDEC inspection (conducted by Paula Plout) documenting pump issues at facility.

Current Status:

- Pump was down in past
- Issue involved new equipment becoming operational
- Transducer was down; has been ordered and likely replaced by meeting date

Monthly Reporting Request

Chris Cline explained value of regular leachate generation monitoring:

Benefits:

- Tracks seasonal variations in leachate generation
- Easier to identify when equipment issues began
- Provides operational trend data
- Republic likely already maintains data

Requested Format:

- Monthly reports
- Daily totals included
- Integration into existing reporting structure

Commission Discussion

Chairman Waller noted Republic already develops monthly leachate generation report sent to utilities.

Chris Cline confirmed awareness of existing reports and suggested including in commission's monthly packet.

Republic's Response (David Hollinshead): Agreed to include monthly leachate generation data in regular commission reports without objection.

Chairman Waller: "Perfect. Thank you."

EAST DITCH/POND UPDATE

Chairman Waller requested update on east ditch pond aeration and cleanup efforts. Noted Stoddard Pickerell absent (working out west). David Hollinshead agreed to provide update at future meeting.

BORROW PIT REZONING UPDATE

Planning Commission Hearing:

- **Date:** March 10, 2026
- **Time:** 5:30 PM
- **Location:** Courthouse Annex Building (same room as commission meetings)

Chairman Waller directed inquiries to Planning Commission hearing for detailed discussion.

WASTE AWAY TECHNOLOGIES FOLLOW-UP

Chairman Waller reported follow-up call with Waste Away Technologies (company that presented in December) was not promising:

Cost Comparison:

- County currently pays \$28/ton to dispose waste at landfill
 - Waste Away could not approach comparable pricing
 - Not viable option at this time
-

FY 2024 AND FY 2025 AUDITS

Audit Completion and Review Process

Chairman Waller reported receiving final completed audits today at 11:30 AM after extensive work by Ms. Murphy and auditor Ben Vance involving multiple calls and reviews.

Corrections Identified: Only changes needed: Board member names listed incorrectly in both audits. Corrections submitted to Ben Vance for updating.

Ms. Murphy's Assessment

Audit Quality:

- Five or six inaccuracies corrected from draft to final
- Ben Vance provided excellent source documentation
- Documentation will be valuable for future closure and post-closure cost discussions
- All edits completed and ready for approval

Documentation Value: Source materials provided will assist commission when issues arise regarding closure and post-closure costs.

Audit Approval

Motion: Approve FY 2024 and FY 2025 audits with board member name corrections submitted to Ben Vance

Motion by: Dr. Bartell

Seconded by: Mr. Lawson

Result: Approved unanimously

REPUBLIC SERVICES OPERATIONS REPORT

Annual Rate Letter

Chairman Waller reported receiving annual rate letter from Republic Services at end of January, included in meeting packet.

Monthly Operations Report Components

Chairman Waller explained standard monthly operations report from Republic Services includes:

Report Sections:

1. Tonnage reports
2. Customer activity reports
3. Material classification reports
4. Waste characterization data
5. Tire disposal numbers
6. Landfill operations comments
7. Engineering update from Stoddard Pickerell
8. Airspace utilization
9. TDEC inspection reports (when available; sometimes too recent for packet inclusion)
10. Host and security fees letter (monthly revenue to Solid Waste Commission)
11. Financial statements (final page showing commission's funds)

Customer Breakdown: Report details every customer bringing waste to landfill with tonnage amounts.

Commission Questions

Litter Control Observations: Commissioner Ross noted TDEC inspection report litter control section had no boxes checked.

Response: David Hollinshead acknowledged TDEC makes comments but didn't mark observation boxes in this report. Will ask TDEC about omission when emailing Stoddard.

Leachate Remediation Comments: Commissioner questioned leachate-related comments in report.

Response: Chris Cline confirmed this relates to pump monitoring discussion and new monthly reporting will help track these issues.

General Questions: No additional questions raised about operations report content.

POTENTIAL LANDFILL SALE DISCUSSION

Background and Current Status

Chairman Waller provided update on Republic Services' expressed interest in purchasing landfill:

Timeline: Late 2025: Republic Services expressed interest and requested meetings with Ms. Murphy.

Communication: Ms. Murphy communicated that any proposal should be in writing. Repeatedly stated commission will not entertain or consider proposal until Loudon County, City of Loudon, and City of Lenoir City have reviewed and voted.

Letter of Intent Discussion: Ms. Murphy communicated that Letter of Intent (LOI) is typically used in such transactions.

Current Status: No proposal or letter of intent received to date.

Public Concern: Chairman Waller acknowledged receiving excessive phone calls about potential sale, emphasizing all three government owners must approve before commission consideration.

Ms. Murphy's Detailed Clarification

LOI Structure Explanation:

Ms. Murphy clarified meetings with Republic took extended time because Republic wanted to explain how their corporation typically structures acquisitions:

Republic's Standard Process:

- Letters of Intent commonly used by Republic Services in acquisitions
- Not Ms. Murphy's standard recommendation

Ms. Murphy's Recommendation to Republic:

- Commission can accommodate whatever Republic wishes
- However, LOI is disfavored approach
- LOIs are "fraught with problems"
- Unclear what parties are committing to or not committing to
- Commission and cities don't want to go through process multiple times

Preferred Approach:

- Keep it simple
- Make proposal clear
- Put everything in writing
- Go through proper process

Current Status: No proposal received from Republic Services.

Ball in Republic's Court: Ms. Murphy confirmed Republic Services must initiate next steps; commission waiting for written proposal.

Commission Discussion on Complexity

Commissioner Ross Question: How to ensure sufficient information in letter/communication for good decisions and negotiations given complexity of landfill operations? How does simplified approach work with such complexity?

Ms. Murphy's Response:

LOI Limitations: Letters of Intent do not solve complexity problems. Complexity is exactly why LOI approach is disfavored.

Communication with Republic: Shared communication with Republic's legal counsel making clear commission wants to avoid:

- Piecemeal negotiations
- Dragged-out unclear processes
- Confusion typical in these project types

Process Clarity:

- Ball remains in Republic's court
- Ms. Murphy's role: Make clear what pathway must be based on Chairman's direction
- Communication provided to Republic Services
- Commission awaits their response

Other Issues: Road remediation and other matters not progressed as far as Ms. Murphy would like. These remain active issues but require Republic to respond before Ms. Murphy can proceed.

6.659-ACRE PARCEL SURVEY AND SALE

Parcel Description

Chairman Waller explained 6.659-acre strip along Matlock Bend Road, offering to show location on map.

Survey Authorization

Purpose:

- Survey and deed off section from landfill property
- Upon completion, commission will vote to liquidate and sell parcel
- Ensures public knowledge that nothing landfill-related will ever connect to Matlock Bend Road

Process:

- Matt Kaufman (county surveying department) to engage surveyor
- Parcel deeded off
- Return to commission for sale authorization vote
- Matt Kaufman will obtain real estate agent and handle sale process

Motion: Authorize county surveying department to engage surveyor to deed off 6.659-acre parcel

Motion by: Mr. Lawson

Seconded by: Mr. Hendrix

Result: Approved unanimously

Chairman Waller's Note: Current vote only authorizes survey and deed preparation. Commission will vote again when survey complete to actually list and sell property.

LEGAL FEES PAYMENT

Invoice Details

Chairman Waller reported receiving Ms. Murphy's invoice today for October, November, and December 2025 legal services totaling \$13,100.

Services Included:

- Lawsuit negotiations
- Various commission matters discussed during meeting

Motion: Approve payment of \$13,100 to Ms. Murphy for October-December 2025 legal services

Motion by: Dr. Bartell ("Worth every penny")

Seconded by: Mr. Lawson

Result: Approved unanimously

FINAL COMMISSION DISCUSSION

Sale Process Clarification

Commissioner Question: When commission finally receives sale proposal document, how long will commission have to review, respond, and what are response options?

Chairman Waller's Response:

Stakeholder Priority: Proposal must first go to all three government owners:

- Loudon County Commission
- City of Loudon
- City of Lenoir City

Commission Role:

- Commission is not part of initial review process
- No required action within specific timeframe
- Proposal for commission information only

Action After Stakeholder Review: Once three stakeholders complete review, commission will:

- Review proposal
- Consult with Ms. Murphy
- Determine appropriate action

Commissioner Response: Acknowledged need for time to review and ensure everything necessary to protect citizens is included in any proposal. "That's why we're here. No doubt."

February 2026 Action Items

Item	Responsible Party	Target Date	Status
Provide east ditch/pond aeration update	Republic Services	March	Deferred
Include monthly leachate generation data in reports	Republic Services	Ongoing	Committed
Email TDEC grant opportunity list to commission	Tim Hendrick	ASAP	Committed
Provide TDEC 10-year plan info when available	Tim Hendrick	March 2026	Pending
Engage surveyor for 6.659-acre parcel	Matt Kaufman/County	ASAP	Authorized
Update board member names in FY24-25 audits	Ben Vance	ASAP	In Progress
Attend Planning Commission borrow pit hearing	Public/Commission	March 10, 5:30pm	Scheduled
Question TDEC about unchecked litter boxes	Republic Services	ASAP	Committed
Provide written sale proposal	Republic Services	TBD	Ball in Their Court

Next Meeting

Date: March 19, 2026

Time: 6:00 p.m.

Location: Loudon County Annex Building

Anticipated Discussion Items: • Borrow pit rezoning Planning Commission hearing results (March 10th) • East ditch/pond aeration and cleanup update • Monthly leachate generation reporting implementation • TDEC 10-year solid waste plan public draft review • Survey completion status for 6.659-acre parcel • Republic Services operations report with enhanced monitoring data • Any written proposal from Republic Services regarding landfill purchase

Meeting adjourned at approximately 8:00 p.m. by motion from Mr. Lawson, seconded by Dr. Bartell. Motion approved unanimously.

*Minutes respectfully submitted by Monty Ross, LCSWDC Interim Secretary
Chairman: Adam Waller, Loudon County Solid Waste Disposal Committee*

Note: Full video of LCSWDC meeting available at: Loudon County Solid Waste Disposal Commission Meeting, February 20, 2026 (youtube.com)




RE: Matlock Bend - TN-72 Street Sweeper Hydraulic Fluid Cleanup

From Pickrell, Stoddard <SPickrell@republicservices.com>

Date Wed 3/18/2026 4:14 PM

To Madeline Vicars <Madeline.Vicars@tn.gov>

Cc Revendra Awasthi <Revendra.Awasthi@tn.gov>; Paula Plont <Paula.Plont@tn.gov>; Michael Swanger <Michael.Swanger@tn.gov>; Valerie McFall <Valerie.McFall@tn.gov>; Shari Winburn <Shari.Winburn@tn.gov>; Waller, Adam <wallera@loudoncounty-tn.gov>; Monty Ross <lcswdc.ross@gmail.com>; Turtle, Lindsey <LTurtle@republicservices.com>; Fox, Teresa <TFox@republicservices.com>

 1 attachment (10 MB)

Support Photos.pdf;

Caution! This message was sent from outside your organization.

Good afternoon Madeline,

Just to follow-up from earlier. The ops team matted the area to stabilize the new soils. The photos have been added to the previous attachment.

Additionally, the street sweeper was returned to operation with new brushes around 1230pm EST.

Let me know if any additional information is required. Thanks!

Stoddard Pickrell
Environmental Manager

Western NC / Eastern TN

1070 Riverside Drive

Asheville, NC 28804

e SPickrell@republicservices.com

o (828) 253-3929

c (828) 708-1271

w RepublicServices.com



Sustainability in Action

From: Madeline Vicars <Madeline.Vicars@tn.gov>

Sent: Wednesday, March 18, 2026 10:16 AM

To: Pickrell, Stoddard <SPickrell@republicservices.com>
Cc: Revendra Awasthi <Revendra.Awasthi@tn.gov>; Paula Plont <Paula.Plont@tn.gov>; Michael Swanger <Michael.Swanger@tn.gov>; Valerie McFall <Valerie.McFall@tn.gov>; Shari Winburn <Shari.Winburn@tn.gov>
Subject: Fw: Matlock Bend - TN-72 Street Sweeper Hydraulic Fluid Cleanup

This Message Is From an External Sender

[Report Suspicious](#)

This message came from outside your organization.

Good morning Stoddard,

Thank you for the update. I recommend stabilizing the fresh soil with matting or seed/straw.

Is there an estimated timeframe for how long the sweeper is expected to be down?

Thank you,



Madeline Vicars | Environmental Scientist
Division of Water Resources | Resource Alterations
Knoxville Environmental Field Office
3711 Middlebrook Pike
Suite 101
Knoxville, TN 37921
p. 865-203-5062

Madeline.Vicars@tn.gov

www.tn.gov/environment

We value your feedback!

Please complete our [customer satisfaction survey](#).

From: Pickrell, Stoddard <SPickrell@republicservices.com>

Sent: Wednesday, March 18, 2026 10:04 AM

To: Madeline Vicars <Madeline.Vicars@tn.gov>

Cc: Revendra Awasthi <Revendra.Awasthi@tn.gov>; Paula Plont <Paula.Plont@tn.gov>; Adam Waller <wallera@loudoncounty-tn.gov>; Monty Ross <lcswdc.ross@gmail.com>; Fox, Teresa <TFox@republicservices.com>; Turtle, Lindsey <LTurtle@republicservices.com>

Subject: [EXTERNAL] Matlock Bend - TN-72 Street Sweeper Hydraulic Fluid Cleanup

Good morning Ms. Vicars,

Following up on the Matlock Bend street sweeper hydraulic line issue. Towards the end of the working day on March 16th the street sweeper had a loss of pressure in its hydraulic mechanisms. It was determined that the sweeper was not operational and it was staged on the side of the road until a flatbed tow truck could recover and return the street sweeper to the landfill property. This decision was made to ensure that hydraulic fluid was not tracked along the entire roadway. While the street sweeper was being loaded onto the tow truck, the tilt of the truck allowed for a small discharge of hydraulic fluid on to the shoulder of TN-72. The exact amount of discharge is unknown; however, it can be determined that it is not fuel and it was less than 25-gallons. Following the removal of the street sweeper, oil-dry was used to absorb the hydraulic fluid and the discharge was contained. On March 17th, the operations team returned to the location of the discharge and excavated the top 3-4" of impacted soil. Following the removal of the impacted soil, the area was backfilled with clean topsoil. Please advise if additional measures or information is required.

Thanks,



Stoddard Pickrell

Environmental Manager

e SPickrell@republicservices.com

c [828.708.1271](tel:828.708.1271)

w RepublicServices.com

1070 Riverside Dr

Asheville, NC 28804



Mar 17, 2026 3:11:16 PM
19748 Tennessee 72
Loudon County
Tennessee



Mar 17, 2026 3:11:35 PM
20022 Tennessee 72
Loudon County
Tennessee







Mar 18, 2026 1:37:40 PM
19748 Tennessee 72
Loudon County
Tennessee



Mar 18, 2026 1:35:47 PM
19748 Tennessee 72
Loudon County
Tennessee



445 Hutchinson Avenue
Suite 900
Columbus, Ohio 43235
(614) 888-5760
eagoninc.com

DRAFT

January 26, 2026

Mr. Stoddard Pickrell
Environmental Manager
Matlock Bend Landfill
21712 Highway 72 North
Loudon, TN 37774

**RE: 2nd Semiannual 2025 Groundwater Monitoring Report and
Repeat Notification of Statistical Exceedances for
Nickel at Well MW-02 and Cobalt at Well MW-03
Matlock Bend Landfill
Permit# SNL #53-103-0203**

Dear Mr. Pickrell:

Eagon & Associates, Inc. (Eagon) has prepared this report for the 2nd semiannual sampling event of 2025 for the Matlock Bend Landfill in general accordance with the site's Modified Groundwater Monitoring Plan (revised August 2024) and the March 14, 2025 Groundwater Quality Assessment Plan (Assessment Plan).

The Matlock Bend Landfill is located on Tennessee Highway 72, approximately five miles west of Loudon, Tennessee. The site consists of 37.4 acres of ridge-top and sloped hillside topography.

The groundwater monitoring network consists of eight monitoring wells:

- three downgradient wells associated with Phase I (MW-01, MW-1A, and MW-02),
- four downgradient wells associated with later Phases (MW-03, MW-05, MW-6R, and MW-7), and
- one upgradient well (MW-4R).

The Spring and Southwest Spring locations discussed below are also now part of the monitoring program.

Weaver Consultants Group (Weaver) conducted the sampling event on December 1, 2025. All routine semiannual locations were sampled, except upgradient well MW-4R, which was dry. After not encountering water above the dedicated pump, the pump was removed and it was verified the well contained no water. Dry conditions have been observed at MW-4R during some past events.

The facility is monitored under both the detection and assessment monitoring portions of the TDSWM Rules. Wells MW-4R, MW-5, MW-6R, and MW-7 are in the detection program and wells MW-01, MW-1A, MW-02, MW-03, and the Spring are in the assessment monitoring program. The Assessment Plan summarized that Phase 1 of Assessment Monitoring has been

completed for wells currently in assessment and that these wells are now in a Phase 2 Assessment Monitoring Program, as described in Section IV 1.(c) of the TDSWM Groundwater Monitoring Guidance for Solid Waste Landfill Units Policy (PN124). Refer to the Assessment Plan and recent semiannual reports for the history of the assessment program.

All points are sampled semiannually for Appendix I parameters listed in Rule 0400-11-01-.04. The points in assessment are sampled for Appendix II parameters listed in Rule 0400-11-01-.04 during the 1st semiannual event of each year to fulfill the annual requirement. Therefore, Appendix II sampling was not required for the December 2025 event. No Appendix II parameters (outside those included in the Appendix I list) have been detected, including last event completed June 2025.

In TDEC correspondence dated August 10, 2021 regarding review of the 1st 2021 Semiannual Groundwater Monitoring Report, TDEC requested that the Spring location be sampled annually for the Appendix I list of parameters and nitrate as part of the facility's Assessment monitoring program. TDEC also requested that the Spring location be sampled for the Appendix II list of parameters due to a past detection of nitrate above the GWPS. Therefore, Appendix II sampling of the Spring was completed during the June 2025 semiannual event.

At the direction of TDEC's March 27, 2025 letter regarding the review of the 2nd 2024 Semiannual Report, an additional off-site spring to the southwest of the landfill near Route 72 was sampled starting with the 2025 1st semiannual event. The TDEC letter requested sampling of a previous sample location referred to as "Purdy Spring". TDEC approved ceasing sampling of Purdy Spring in 2006 apparently based on the conclusion it was not needed and was too distant from the landfill. MBLF was unable to confirm the previously sampled Purdy Spring location. A spring was found during MBLF's May 2025 field reconnaissance in the general suspected vicinity. Because it could not be verified this was the Purdy Spring sampled prior to 2006, the June sample point was designated "Southwest Spring (SWS)". Note that the SWS is more than 700 feet from the landfill and is not used as a water supply. As requested in TDEC's November 4, 2025 review letter for the 1st 2025 semiannual report, quarterly sampling of the SWS began with the December 2025 event. Continued monitoring of the SWS will be discussed with TDEC after completion of four quarterly events.

Monitoring wells MW-01, MW-1A, MW-02, MW-03, and MW-4R are also sampled semiannually for the 14 additional indicator parameters (Total Ca, Fe, Mg, K, Na, Dissolved Mn, COD, NH₃, TDS, Chloride, NO₃, SO₄, CN, and TOC) specified in Section 4.3 of the August 2024 Groundwater Monitoring Plan for wells monitoring the Phase I landfill unit. The Spring and SWS locations were also sampled for these parameters during this event for informational purposes only. The samples were analyzed by Pace Laboratories in Mt. Juliet, Tennessee.

Figure 1 provides a potentiometric surface map utilizing groundwater level data collected during the event. The map closely resembles previous maps indicating consistent groundwater flow directions. A field data summary table, including groundwater flow directions and estimated flow rates at each well, is included as Table 1.

In accordance with the TDEC comment letter dated April 8, 2019, the groundwater statistical analysis approach has been modified from interwell to intrawell statistical evaluations for the Appendix I parameters. Data evaluations also include trend analysis for the 14 additional indicator parameters required for the Phase I landfill unit.

Statistical evaluations for previous events were conducted by Civil and Environmental Consultants (CEC) using ChemStat software. With the change in reporting consultant to Eagon for this event, a change was made to the Sanitas statistical software. Sanitas is a widely employed statistical program for solid waste facilities nationally. The statistical approach used in recent events, as presented in Section 5 of the August 2024 Groundwater Monitoring Plan, continued to be used for this report with the Sanitas software. The same background data set also continues to be used. In general, the first N=8 data collected between April 2017 and April 2020 are used as background data. Control charts and non-parametric prediction limits are employed depending on the percentage of detected results and distribution (normality) of the background data. Refer to Groundwater Monitoring Plan and recent reports for more details on the statistical methods.

The Appendix I inorganic analytical data summary for the event is presented in Table 2. Time-series plots, and the associated statistical charts and data outputs are included in Appendix A. The laboratory report including the field information logs are included as Appendix B. The results of the current event analysis are summarized as follows:

Statistical Evaluation for Appendix I Parameters

There were no detections for volatile organic compounds (VOCs). There were two statistical exceedances for the event, as summarized below, which were the same as those reported for the last event. Both are at similar concentrations to recent events and are not continued increases. They are strictly lingering CUSUM exceedances on control charts.

Downgradient Well MW-02

A previously confirmed SSI occurred for nickel at MW-02. Nickel was detected at 0.0395 mg/L, slightly lower than the previous event result of 0.04535 mg/L. The nickel result is below the groundwater protection standard of 0.1 mg/L. ASD information presented in the December 13, 2024 submittal indicated a lack of landfill influence on water quality at MW-02 and that the SSI for nickel is due to natural variation, low pH, and possible variability associated with the change in recent years of the laboratory and samplers.

Downgradient Well MW-03

A previously confirmed SSI occurred for cobalt at MW-03 which was detected at a concentration of 0.0214 mg/L. The detected concentration of cobalt is lower than the previous event but continues to be above the 0.006 mg/L EPA Regional Screening Level (RSL), which is generally considered the default groundwater protection standard in the absence of a promulgated MCL. However, an ASD for cobalt was included as Appendix F of the 2nd Semiannual 2020 report indicating that cobalt is found at significant concentrations in borrow area soils used at the site for

cover material. TDEC concurred with the findings of the ASD in the February 5, 2021 letter and indicated that SSIs or exceedances of the GWPS for cobalt shall continue to be noted in reports, but will not require further action, unless site conditions change. TDEC requested additional ASD information for cobalt at MW-03 in their October 15, 2024 letter. The detections of cobalt at MW-03 were addressed as part of the December 13, 2024 submittal where it was again concluded that the SSI for cobalt is due to natural variability and/or turbidity effects with a recommendation to examine the well for possible development to reduce turbidity (which was completed during the 1st 2025 event, as discussed in that report). The December 13, 2024 submittal is under TDEC review. Surficial well condition issues at MW-03 were addressed in late 2025 and MBLF plans to continue to complete any needed well maintenance before the next semiannual event. Additional redevelopment will be performed at MW-03 if needed.

MW-03 was also sampled for dissolved metals during the event (along with MW-01 and the Spring) because the turbidity was somewhat elevated. The dissolved cobalt result was about 50% lower at 0.0116 mg/L which supports the conclusion that turbidity can contribute to higher cobalt and other metals at MW-03 and other wells. Dissolved cobalt for MW-03 was below the 0.0183 mg/L site-specific background based GWPS proposed for use in the March 14, 2025 Groundwater Quality Assessment Plan currently under review by TDEC.

This submittal provides a repeat notification under Rule 0400-11-01-.04(7)(a)5(iii)(I) for previously confirmed statistical exceedances for nickel at MW-02 and cobalt at MW-03. Both wells are in the assessment program. Nickel at MW-02 is below the GWPS. Total cobalt at MW-03 is above the conservatively low, generic GWPS of 0.006 mg/L. As indicated above, TDEC previously acknowledged an ASD for cobalt at the site. The dissolved cobalt at MW-03 is also below the proposed background based GWPS (0.0183 mg/L) under TDEC review. Therefore, no further action is needed regarding the two statistical exceedances. Because the exceedances are not due to continued increases but are lingering CUSUM exceedances on control charts, MBLF will consider an update to the background data set in the future.

Comparison of Appendix I Results to GWPS

Appendix I detections above GWPS are shown in Table 2 and are limited to:

- Cobalt - MW-03 (discussed above), Spring, and SWS
- Arsenic - SWS

Each of these also occurred in the last event. Refer to the discussion of the cobalt ASD for the site above.

Routine Phase I Landfill Additional Indicator Parameter Trend Analysis

The results of the 14 additional indicator parameters (Ca, Fe, Mg, K, Na, Dissolved Mn, COD, NH₃, TDS, Chloride, NO₃, SO₄, CN, and TOC) required for the Phase I landfill unit wells are evaluated for statistically significant trends using the Sen's Slope Test. Upgradient well MW-4R is also sampled for these parameters to establish upgradient/background concentrations but was not able to be sampled during the December 2025 event because it was dry.

The Spring and SWS locations were also sampled for the 14 additional indicators during the December 2025 event for informational purposes only. Trend and other statistical analyses are not conducted for these recently added points and the locations generally lack the minimum four results to conduct statistical/trend evaluations.

Nearly all of the parameter/well combinations show no trend or a downward trend. There were 17 instances of decreasing trends. There were only three statistically increasing trends this event. Each of these are for minor increases of low concentrations at MW-02 (chloride, dissolved manganese, and sodium) and are consistent with recent events. The concentrations for these parameters at MW-02 are generally the lowest for the site monitoring wells. These trends were further evaluated as part of the December 13, 2024 submittal which concluded that the results are not an indication of landfill or other influences on groundwater quality.

The data summary for the additional 14 parameters is presented in Table 3. The associated time series graphs and trend analyses are included in Appendix A.

Nitrate

As discussed in past submittals, TDEC requested in the past that certain sample points be placed in assessment due to detections of nitrate above background primarily because nitrate (an additional indicator parameter) has not been detected at background well MW-4R. There were also a small number of past detections of nitrate above the 10 mg/L GWPS at MW-01A and the Spring, but this last occurred in January 2024.

Nitrate continued to be detected at assessment wells and the two spring locations during the current event with the concentrations shown on Table 3. The nitrate results continue to be below the 10 mg/L MCL. The occurrence of nitrate in groundwater at the facility was also evaluated as part of the December 13, 2024 submittal which concluded that the elevated detections do not appear to be due to leachate migration because nitrate is not a leachate indicator parameter. Potential sources include fertilizer, wastewater, and offsite adjacent operations.

Supplemental Indicator Parameter Evaluation

As done in recent events, additional anion and cation data were collected during this event to allow preparation of Piper and Stiff diagrams as an additional tool in examining groundwater and leachate quality. This evaluation is an established method that shows the general chemistry of water samples and the variability between sample points in relative concentrations of major cations and anions. To perform the evaluation, additional parameters were collected for the wells in assessment and spring locations (Table 3). Samples were also collected from the site leachate for both the December 2024 semiannual event and August 2025 resample event (leachate was not sampled this event). The Piper and Stiff diagrams are included in Appendix C.

The Piper diagrams show the leachate plots near the bottom of the diamond figure (sodium and bicarbonate dominant) and the wells and springs plot in the central area with a more balanced

mix of cations and anions. This illustrates the general contrast in major ion chemistry of the groundwater versus leachate.

The shapes of the Stiff diagrams show the magnitude of concentrations in addition to the relative percentages of cations and anions. The leachate shows an elongated, flattened diamond shape due to the sodium and bicarbonate dominance. The groundwater data produce much smaller figures due to lower overall concentrations and more even shapes reflecting the more even relative distribution of cations and anions. Data for December 2024 and August 2025 groundwater and leachate samples are shown in the Stiff diagrams along with the December 2025 groundwater data. The shapes of the results over time are similar and illustrate that groundwater is not trending over time to more closely resemble leachate.

The above observations further support the conclusion in the December 2024 submittal that the statistical exceedances and increasing trends noted in recent semiannual reports are not due to leachate migration.

Conclusion

There were no new, confirmed statistical or GWPS exceedances for the 2025 second semiannual event. All of the wells with exceedances are in the assessment program. Therefore, there is no need for follow up action based on these results before the next semiannual sampling event. This submittal fulfills the notification requirement of Rule 0400-11-01-.04(7)(a)5(iii)(I) for previously confirmed SSIs for nickel at MW-02 and cobalt at MW-03. MBLF will discuss any comments or questions TDEC may have on the December 2024 submittal or March 2025 Assessment Plan after TDEC completes its review.

Should you have any questions or concerns, please do not hesitate to contact us at (614) 888-5760.

Sincerely,

Joseph Montello.
Hydrogeologist, CPG

Shay Beanland
Hydrogeologist, CPG/LPG
Tennessee LPG No. 6572

Enclosures:

Appendix A – Time Series Plots and Statistical Results
Appendix B - Laboratory Report & Field Information Logs
Appendix C - Piper and Stiff Diagrams

cc: Jessica Preston, Senior Manager, Environmental Liability Management, Republic Services
(Electronic)
Matlock Bend Landfill (Hard Copy)

2ND 2025 Semiannual Groundwater Monitoring Report

Matlock Bend Landfill Loudon County, Tennessee Permit No. SNL #53-103-0203

**For Submittal to:
Tennessee Department of Environment and Conservation**

**Prepared by:
Eagon Associates, Inc.
445 Hutchinson Avenue
Suite 900
Columbus, OH 43235**

Certification

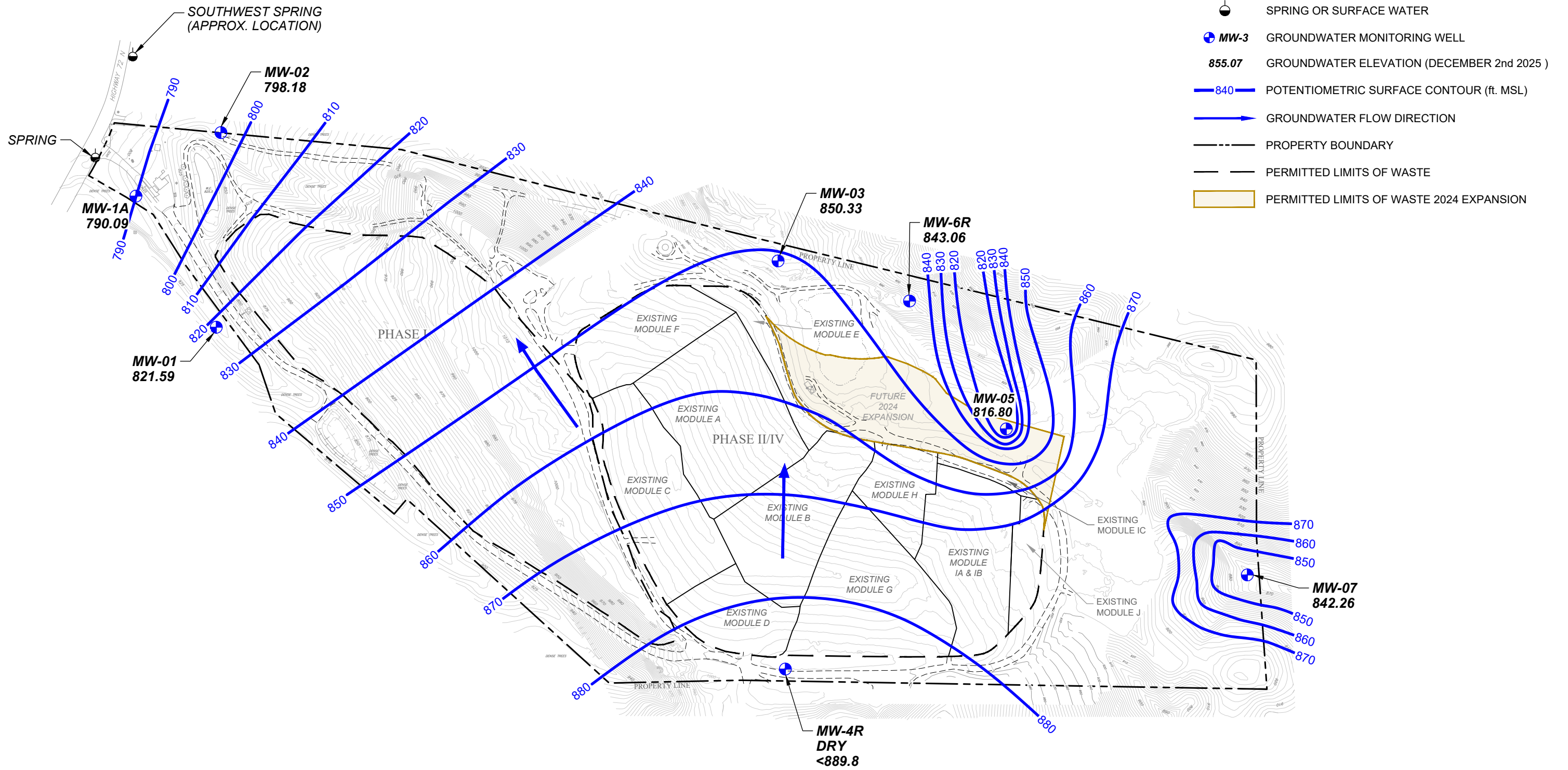
I certify that I am a qualified groundwater professional who has received a baccalaureate or post-graduate degree in the natural sciences and am licensed as a Professional Geologist in the State of Tennessee. I have sufficient training and experience in groundwater hydrology that enables me to make sound professional judgments regarding groundwater monitoring, contaminant fate and transport, and corrective-action.

I further certify that this report was prepared by me or by a subordinate working under my direction.

Shay Beanland, P.G.
Tennessee Licensed Professional Geologist #6572

Date

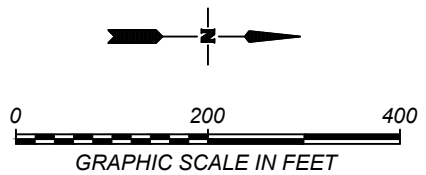
FIGURES



LEGEND:

	SPRING OR SURFACE WATER
	GROUNDWATER MONITORING WELL
855.07	GROUNDWATER ELEVATION (DECEMBER 2nd 2025)
	POTENTIOMETRIC SURFACE CONTOUR (ft. MSL)
	GROUNDWATER FLOW DIRECTION
	PROPERTY BOUNDARY
	PERMITTED LIMITS OF WASTE
	PERMITTED LIMITS OF WASTE 2024 EXPANSION

- REFERENCE:**
1. TOPOGRAPHIC INFORMATION WITHIN THE LANDFILL LIMITS TAKEN FROM FIRMATEK DRONE SOLUTION. DATED MARCH 23, 2023, AS PROVIDED BY REPUBLIC.
 2. TOPOGRAPHIC CONTOURS SHOWN WERE PROVIDED BY SOUTHERN RESOURCES MAPPING CORP., NORTHPORT, ALABAMA.



COMPILED BY: MM	FIGURE TITLE: Potentiometric Surface Map (2025 2 nd Sampling Event)	<p>EAGON & ASSOCIATES, INC.</p>	<p>FIGURE NUMBER: 1</p>
DRAFTED BY: MM	PROJECT TITLE: Matlock Bend Landfill		
CHECKED BY: JM	PREPARED BY:		
APPROVED BY: JM			
DATE: 1/7/2025			

TABLES

TABLE 1.
FIELD DATA SUMMARY - SECOND SEMIANNUAL 2025 MONITORING EVENT (DECEMBER 1, 2025)
MATLOCK BEND LANDFILL

Well No.	Elevation TOC	Depth to GW (ft below TOC)	Water Elevation (fmsl)	Temperature (°C)	pH (S.U.)	Conductivity (umhos) uS/cm	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)	Contour Elevation ¹ (fmsl)	Distance (ft)	Hydraulic Conductivity (ft/min) (k)	Effective Porosity (unitless) (n)	Hydraulic Gradient (ft/ft) (i)	Average Linear Velocity (ft/day)	Direction
MW-01	830.87	9.28	821.59	14.80	6.44	451.1	93.08	1.74	185.4	820	30	4.70E-06	0.18	5.30E-02	1.99E-03	SW
MW-1A*	805.13	15.04	790.09	15.50	6.81	979	5.8	1	165	800	130	3.93E-06	0.18	7.62E-02	2.40E-03	S
MW-02	825.20	27.02	798.18	14.50	4.87	76.4	2.8	3	295	790	115	5.90E-06	0.18	7.11E-02	3.36E-03	S
MW-03	867.86	17.53	850.33	15.20	5.79	322	129.63	1.58	218.7	860	250	1.20E-05	0.18	3.87E-02	3.71E-03	W
MW-4R**	992.32	DRY	<889.8	-	-	-	-	-	-	-	-	1.90E-05	0.18	-	-	W
MW-05	936.84	120.04	816.80	14.90	7.71	295	21.71	9.48	157.3	820	20	2.20E-05	0.18	1.60E-01	2.82E-02	W
MW-6R*	895.52	52.46	843.06	14.50	5.43	20.2	30.14	7.62	239.1	840	40	3.93E-06	0.18	7.65E-02	2.41E-03	NW
MW-07*	874.18	31.92	842.26	13.50	5.42	24.6	4.6	9.69	268.7	850	60	3.93E-06	0.18	1.29E-01	4.06E-03	N
Spring	--	--	--	13.30	6.65	1315	87.8	2.16	193.2	--	--	--	--	--	--	--
SW Spring	--	--	--	13.40	6.57	3641	6.3	2.79	30.6	--	--	--	--	--	--	--

* - The hydraulic conductivity for MW-1A, MW-6R, and MW-7 is an average from monitoring wells MW-01, MW-02, and MW-03.

** - The hydraulic conductivity for MW-4R is taken from MW-04.

¹ - Contour elevation refers to interpreted contour near each well location used to determine hydraulic gradient.

-- not applicable.

TABLE 2.
SUMMARY OF APPENDIX I LIST RESULTS
SECOND SEMIANNUAL MONITORING EVENT - DECEMBER 1, 2025
MATLOCK BEND LANDFILL

Parameter	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Fluoride	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MCL/GWPS	0.006	0.01	2	0.004	0.005	0.1	0.006 ⁵	1.3 ¹	4	0.015 ¹	0.002	0.1 ²	0.05	0.10 ³	0.002	0.086 ⁵	5.0 ⁴
MW-01	<0.004	<0.002	0.0266	<0.002	<0.001	<0.002	<0.002	<0.005	<0.15	<0.002	0.001260	0.00236	<0.002	<0.002	<0.002	<0.005	<0.025
MW-1A	<0.004	<0.002	0.0849	<0.002	<0.001	<0.002	<0.002	<0.005	<0.15	<0.002	<0.0002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.025
MW-02	<0.004	<0.002	0.0711	0.00277	0.00255	<0.002	<0.002	<0.005	<0.15	<0.002	<0.0002	0.0395	<0.002	<0.002	<0.002	<0.005	0.378
MW-03	<0.004	<0.002	0.0558	<0.002	<0.001	0.00432	0.0214	<0.005	<0.15	0.00213	0.000306	0.00851	<0.002	<0.002	<0.002	<0.005	<0.025
MW-4R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05	<0.004	<0.002	0.00893	<0.002	<0.001	<0.002	<0.002	<0.005	<0.15	<0.002	<0.0002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.025
MW-6R	<0.004	<0.002	0.00689	<0.002	<0.001	<0.002	<0.002	<0.005	<0.15	<0.002	<0.0002	0.00787	<0.002	<0.002	<0.002	<0.005	<0.025
MW-7	<0.004	<0.002	0.0111	<0.002	<0.001	<0.002	<0.002	<0.005	<0.15	<0.002	<0.0002	0.00355	<0.002	<0.002	<0.002	<0.005	<0.025
Southwest Spring	<0.004	0.0332	0.472	<0.002	<0.001	<0.002	0.0125	<0.005	0.187	<0.002	<0.0002	0.0301	<0.002	<0.002	<0.002	<0.005	<0.025
Spring	<0.004	<0.002	0.138	<0.002	0.00119	<0.002	0.0225	0.00576	<0.15	0.00789	<0.0002	0.00705	<0.002	<0.002	<0.002	<0.005	0.087

Notes:

-- No sample collected, well dry.

All results are reported in mg/L.

Bold value indicates parameter detected above the reporting limit of the laboratory.

Shaded value indicates result is a calculated intrawell SSI for the current data.

Blue values exceed GWPS.

¹ - Action Level concentration from TN Division of Water Resources Rule 0400-45-01-.33.

² - MCL value obtained from TN Division of Water Resources Rule 0400-45-01-.06.

³ - MCL value obtained from TN Division of Water Resources Rule 0400-45-01-.12 (EPA Secondary Drinking Water Standard).

⁴ -GWPS referenced value obtained from EPA secondary drinking water standards.

⁵ -GWPS referenced value obtained from EPA Regional Screening Level (THQ= 1) for tapwater.

**TABLE 3.
SUMMARY OF ADDITIONAL INDICATOR PARAMETERS RESULTS
SECOND SEMIANNUAL 2025 MONITORING EVENT - DECEMBER 1, 2025
MATLOCK BEND LANDFILL**

Parameter	Calcium	COD	Chloride	Cyanide	Iron	Magnesium	Manganese (dissolved)	Nitrogen (Ammonia)	Nitrogen (Nitrate)	Potassium	Sodium	Sulfate	TDS	TOC	Alkalinity*
MCL/GWPS	NA	NA	250 ¹	0.2	0.3 ¹	NA	0.43 ²	NA	10	NA	NA	250 ¹	500 ¹	NA	NA
MW-01	39.5	<20	19.3	<0.005	0.161	24.4	0.00801	<0.1	1.21	2.58	10.7	<5	204	<1	183
MW-1A	66.5	<20	76.0	<0.005	<0.1	28.5	<0.005	<0.1	4.33	24.3	49.6	24.2	400	<1	257
MW-02	2.18	<20	4.38	<0.005	<0.1	1.89	0.141	<0.1	4.20	3.03	3.55	<5	54	<1	<20
MW-03	11.8	24	28.5	<0.005	0.242	3.51	3.70	0.382	2.65	4.60	28.0	17.5	121	1.27	30.3
MW-4R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Southwest Spring	144	<40	913	<0.005	8.75	95.1	1.30	6.13	<0.1	84.4	338	<5	1,560	<1	369
Spring	72.9	25.5	231	<0.005	0.946	32.1	0.51	0.704	6.49	48.7	96.3	18.7	597	1.14	209

Notes:

-- No sample collected, well dry.

All results are reported in mg/L.

¹ GWPS referenced value obtained from EPA secondary drinking water standards (non-enforceable).

² GWPS referenced value obtained from most recent EPA Regional Screening Levels (THQ=1.0).

Bold value indicates result detected above the laboratory reporting limit.

Shaded cell indicates parameter exhibits an increasing trend in concentrations when considering all data.

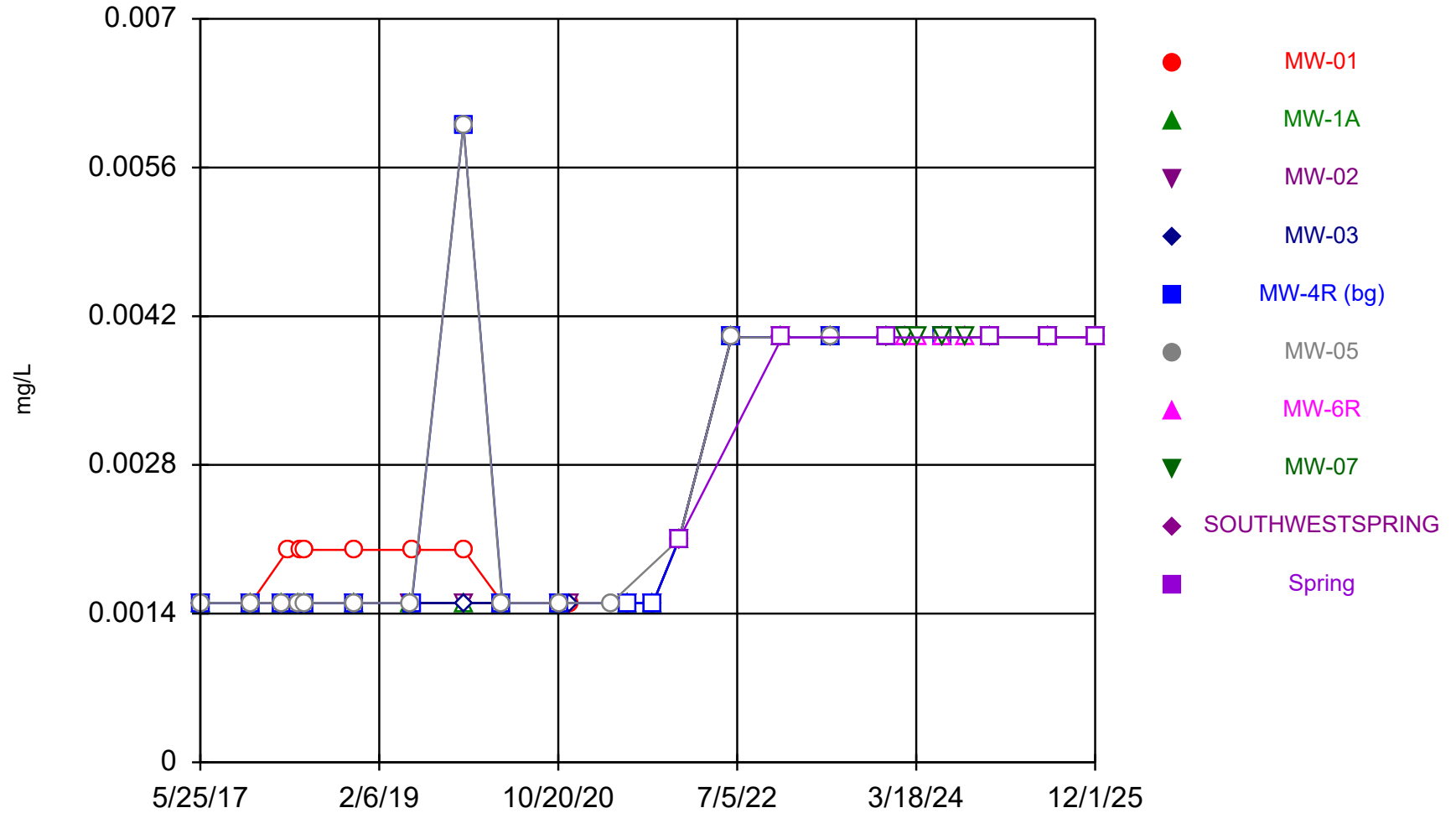
NA: Parameter does not have an established MCL or EPA RSL.

* Alkalinity is not a required parameter, occasionally included for Piper and Stiff diagrams.

APPENDIX A.

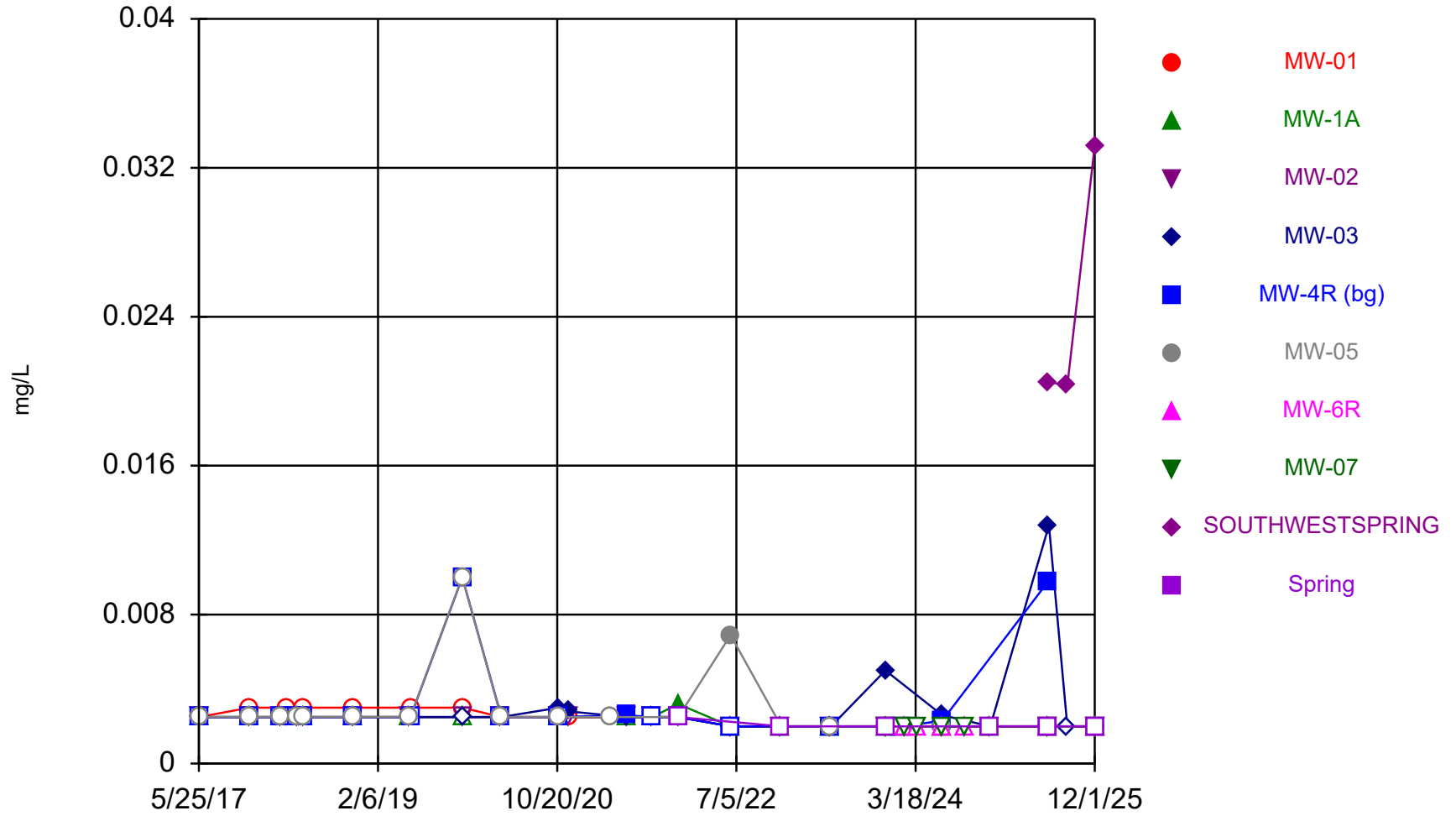
TIME SERIES PLOTS AND STATISTICAL RESULTS

Time Series



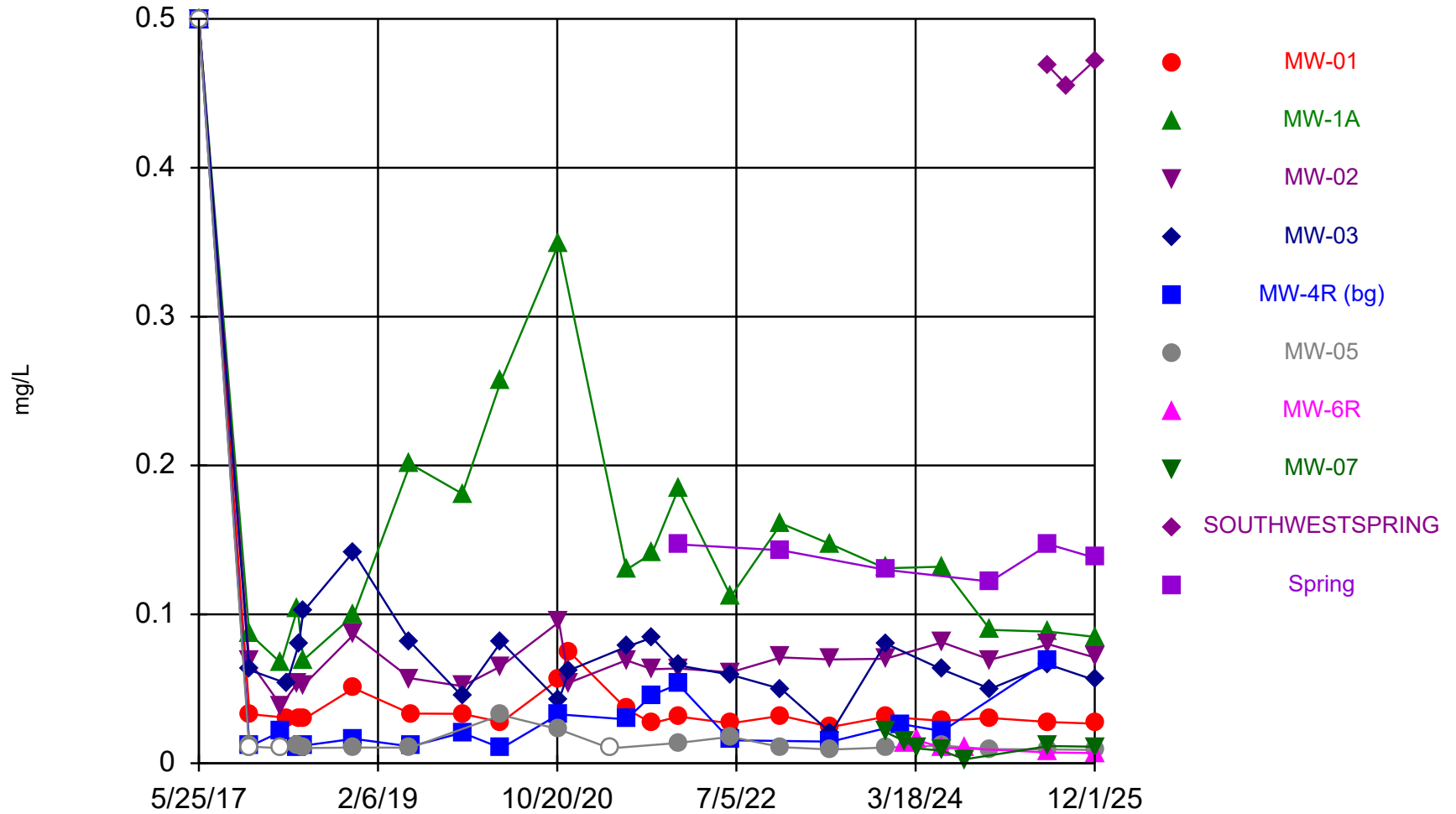
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Time Series



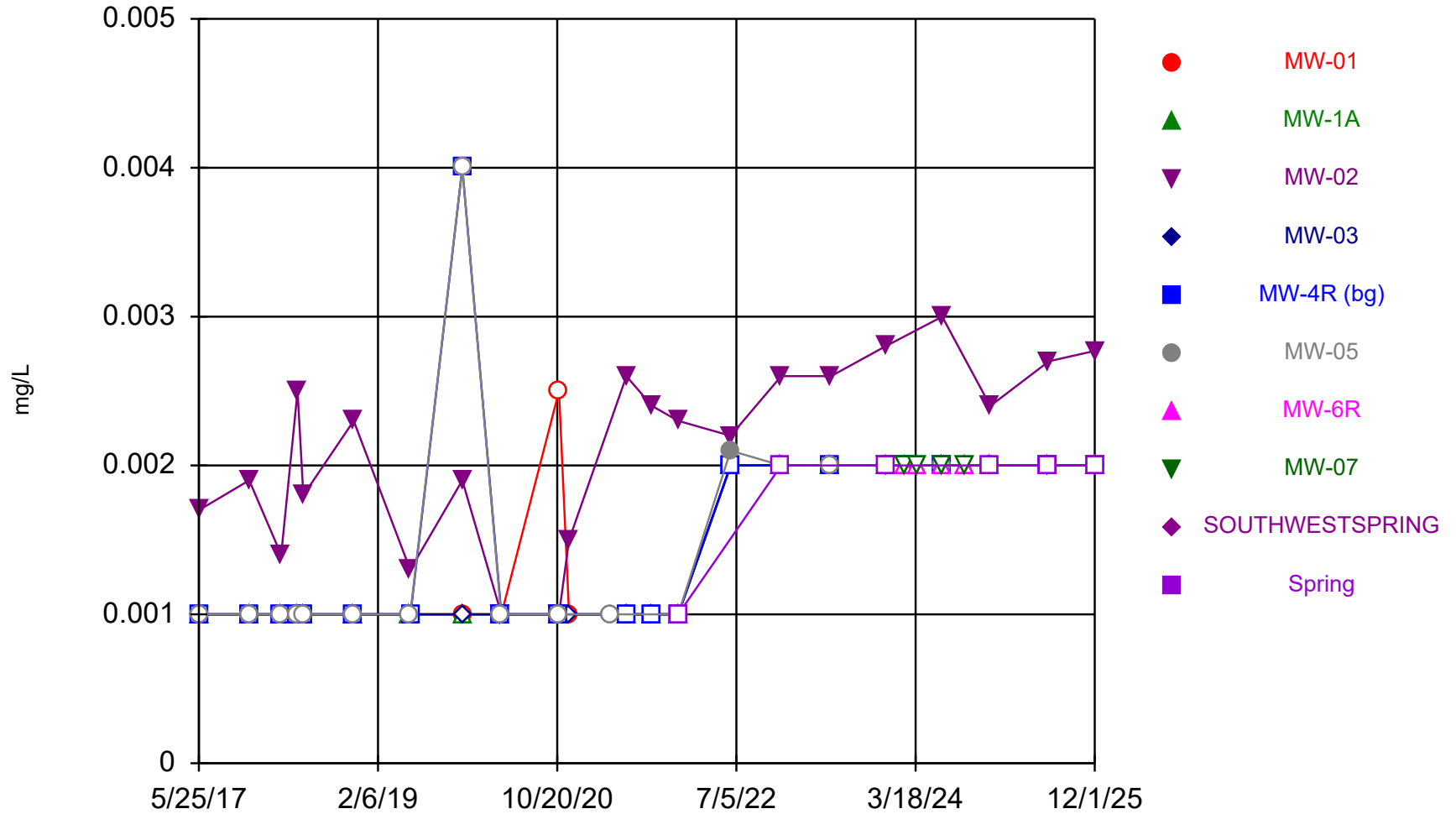
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Time Series



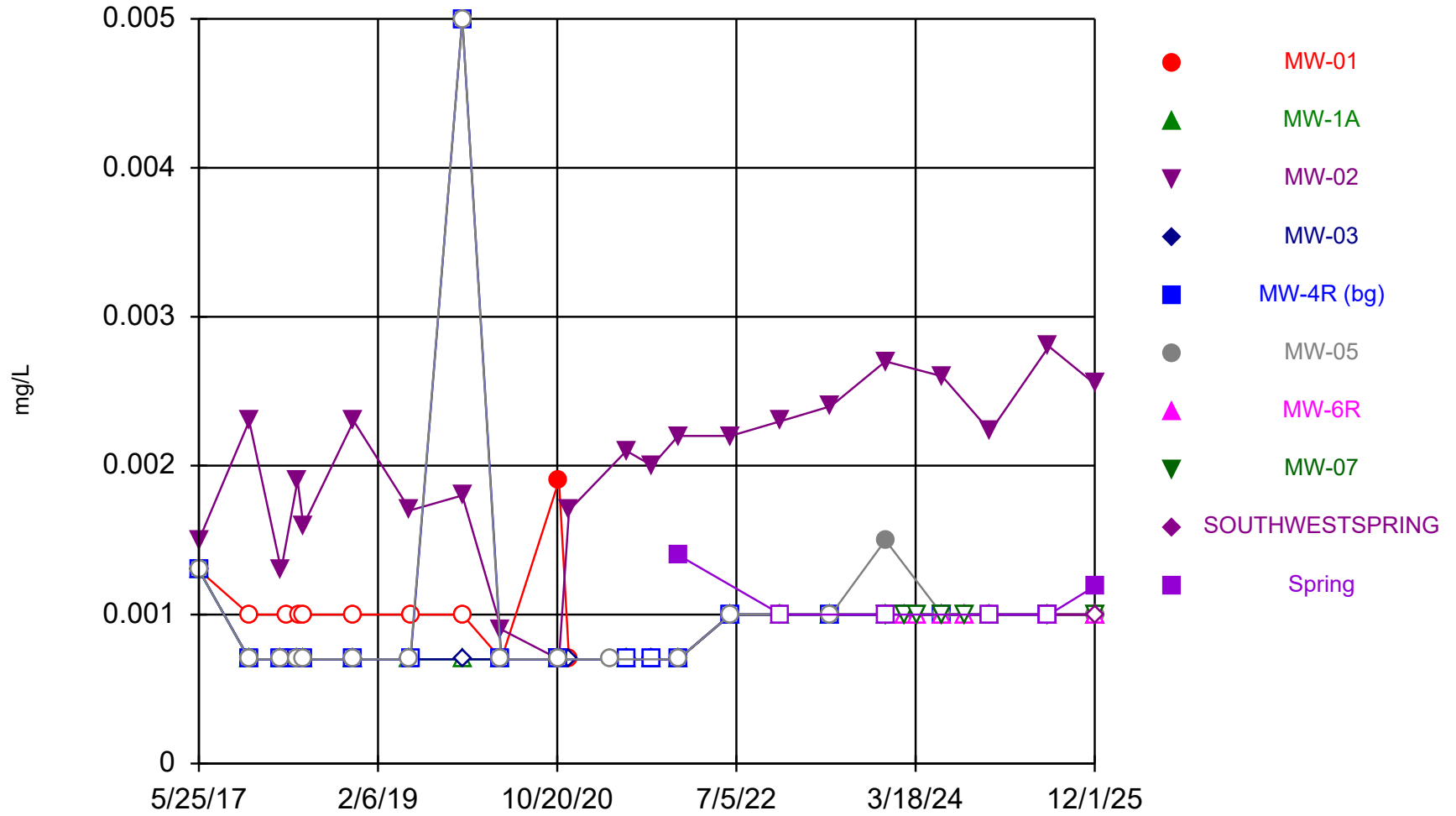
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Time Series



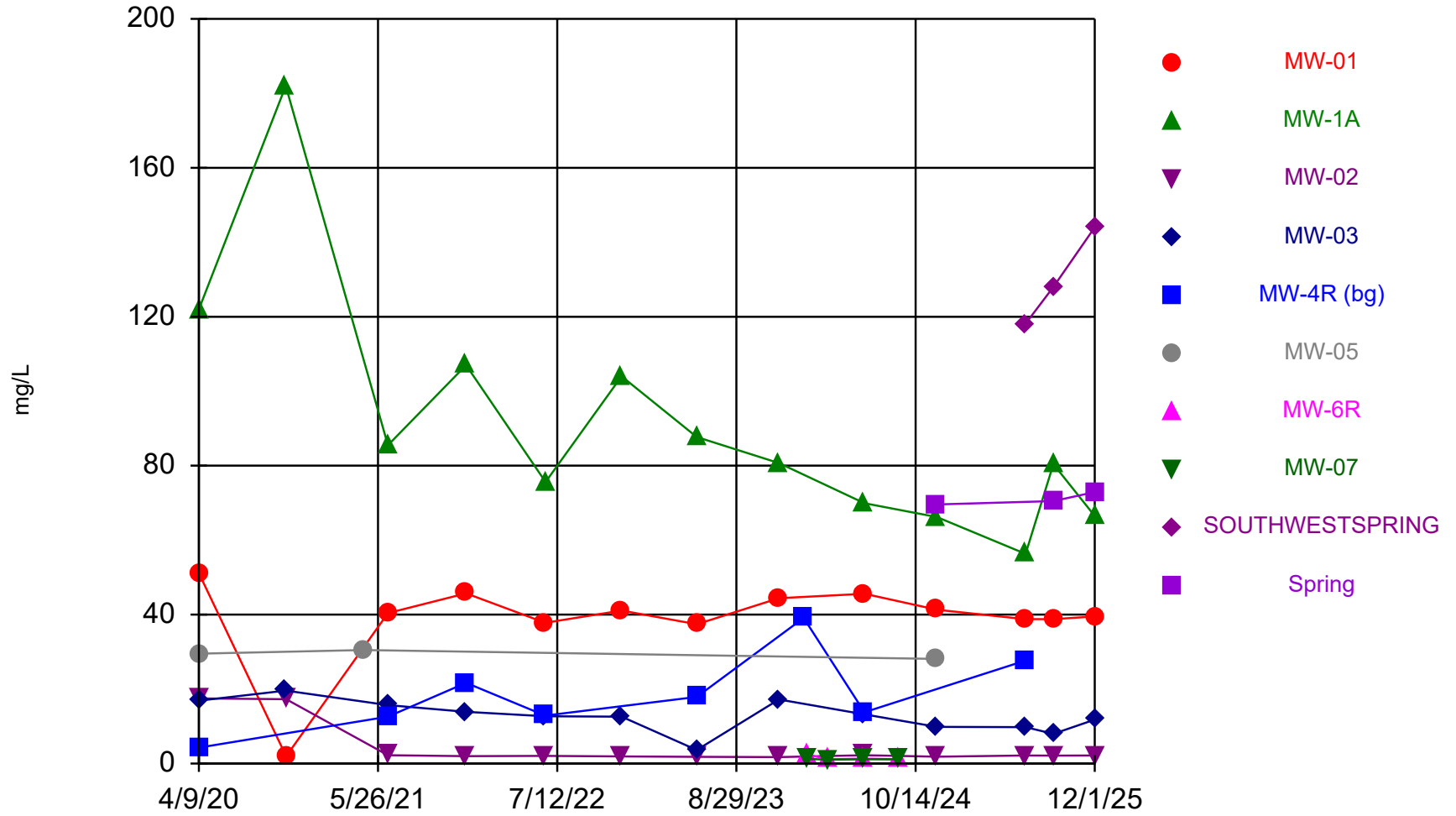
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Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



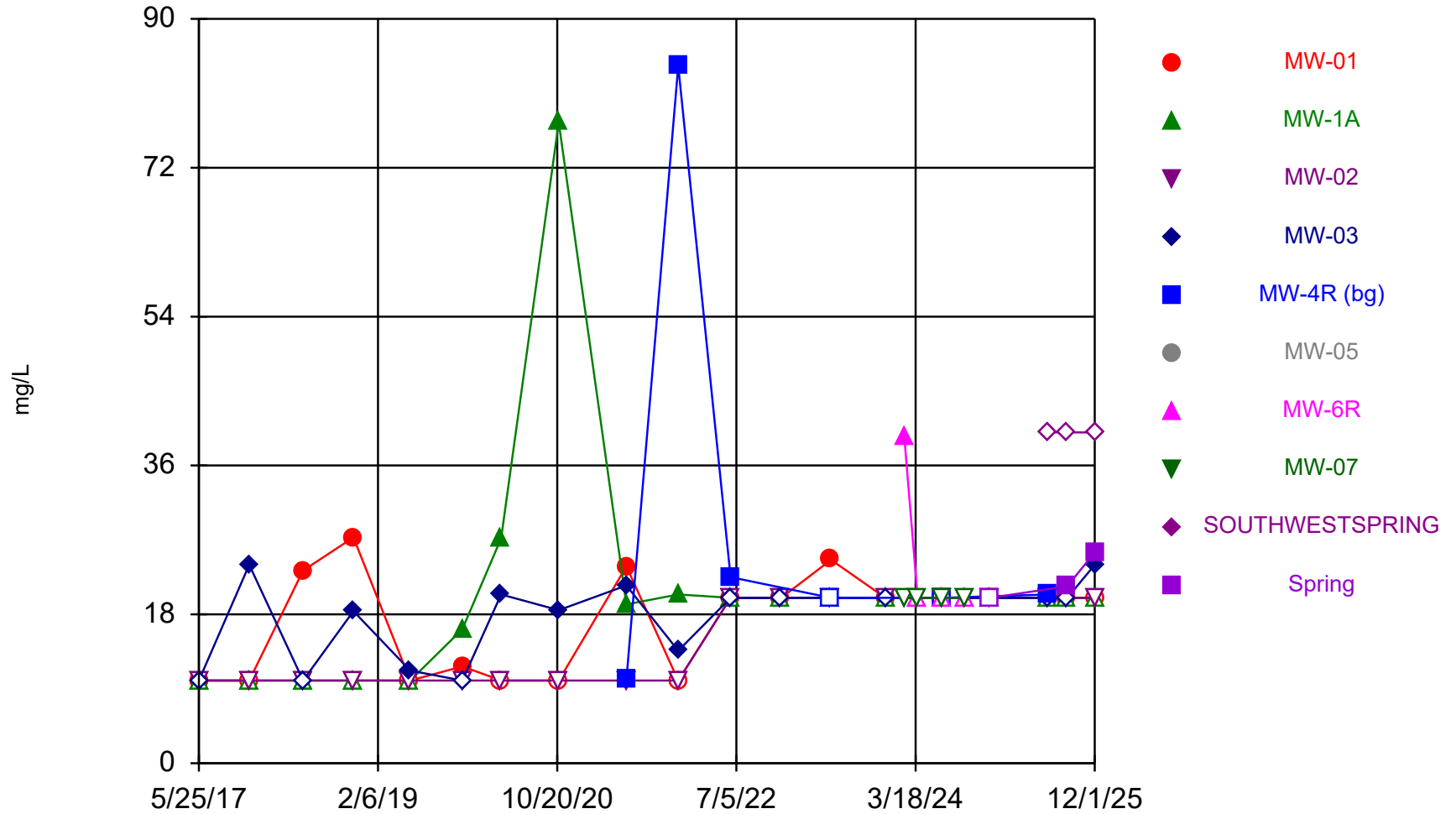
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Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



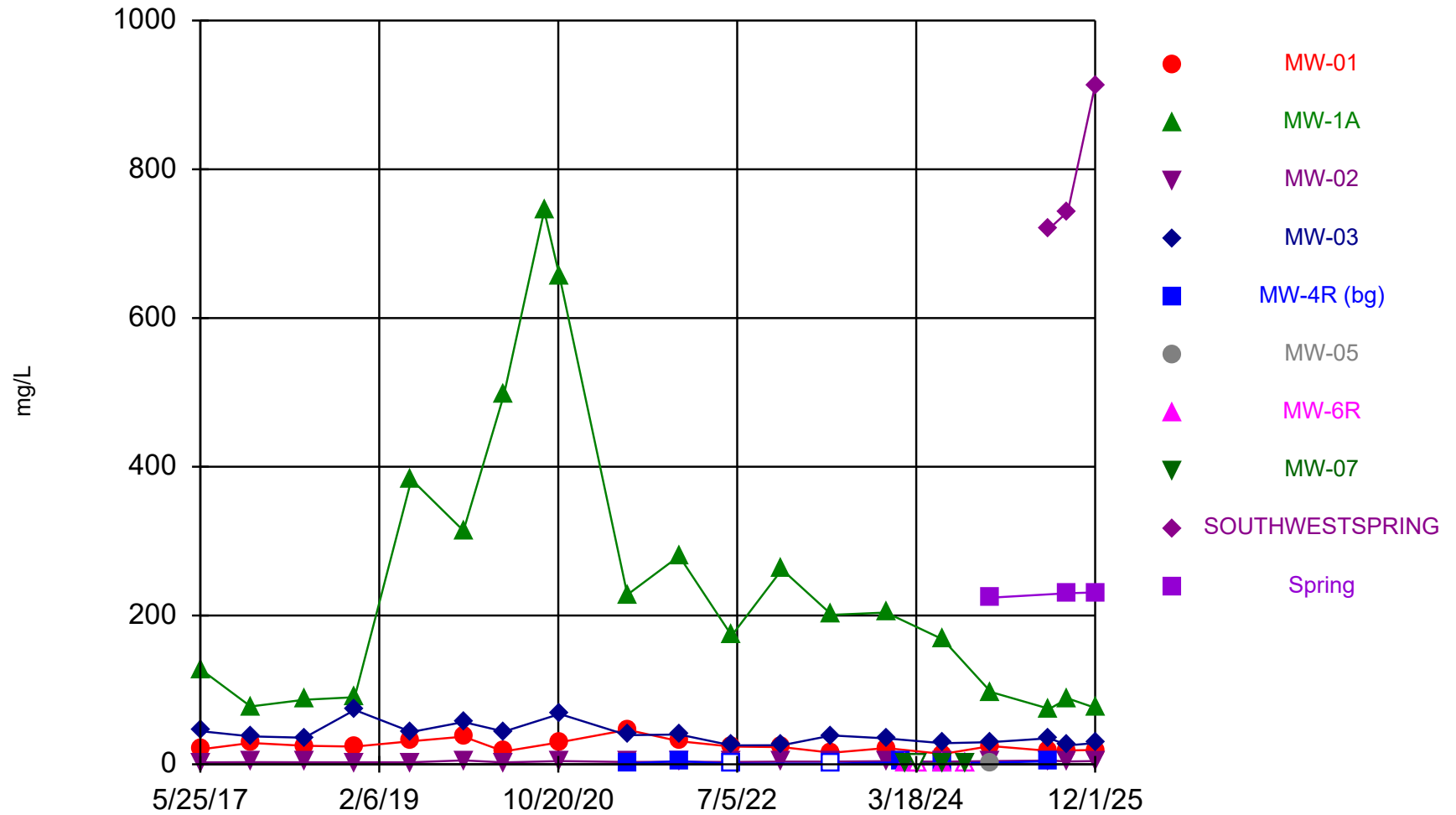
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Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



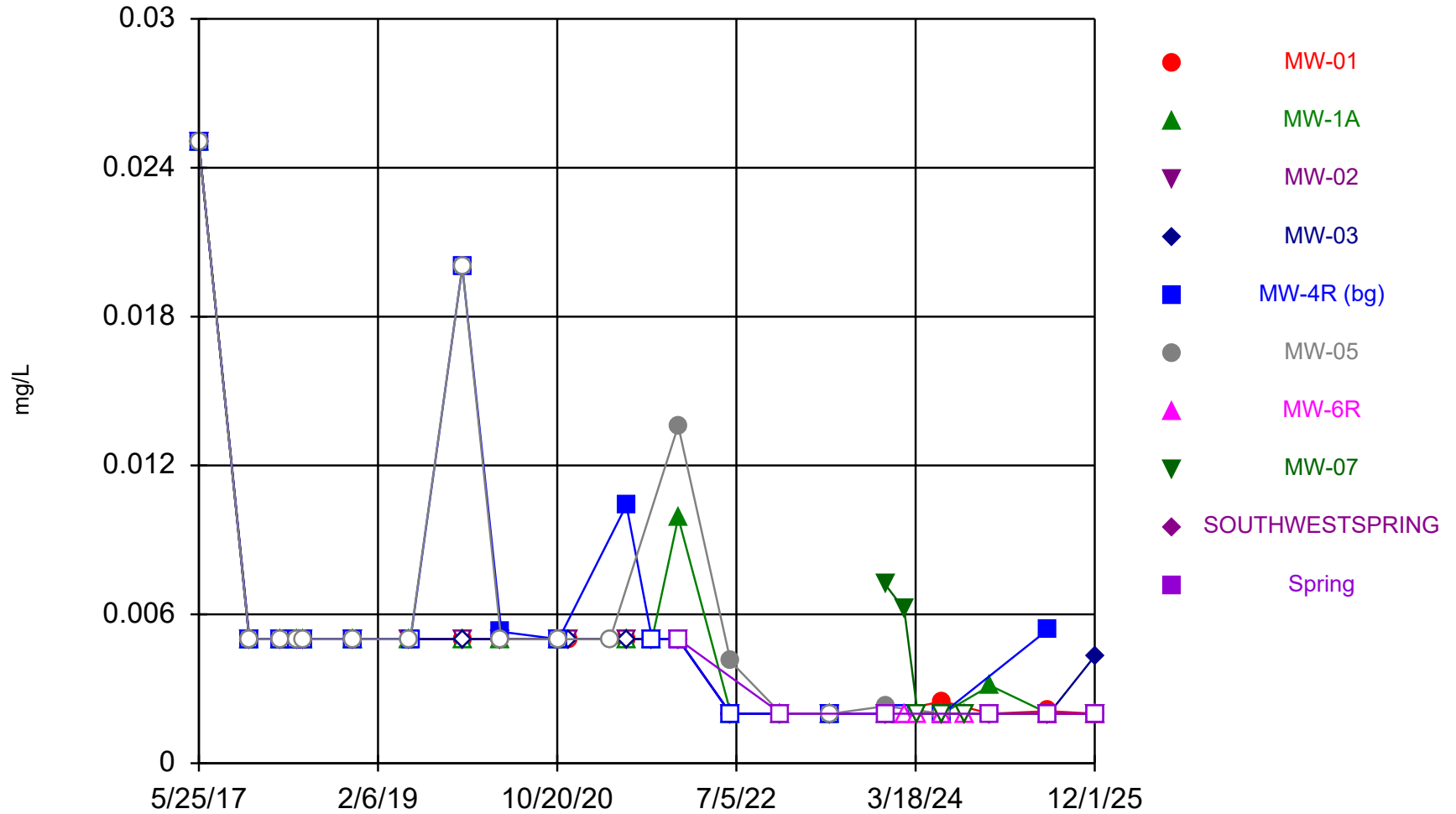
Constituent: Chemical Oxygen Demand Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
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Time Series



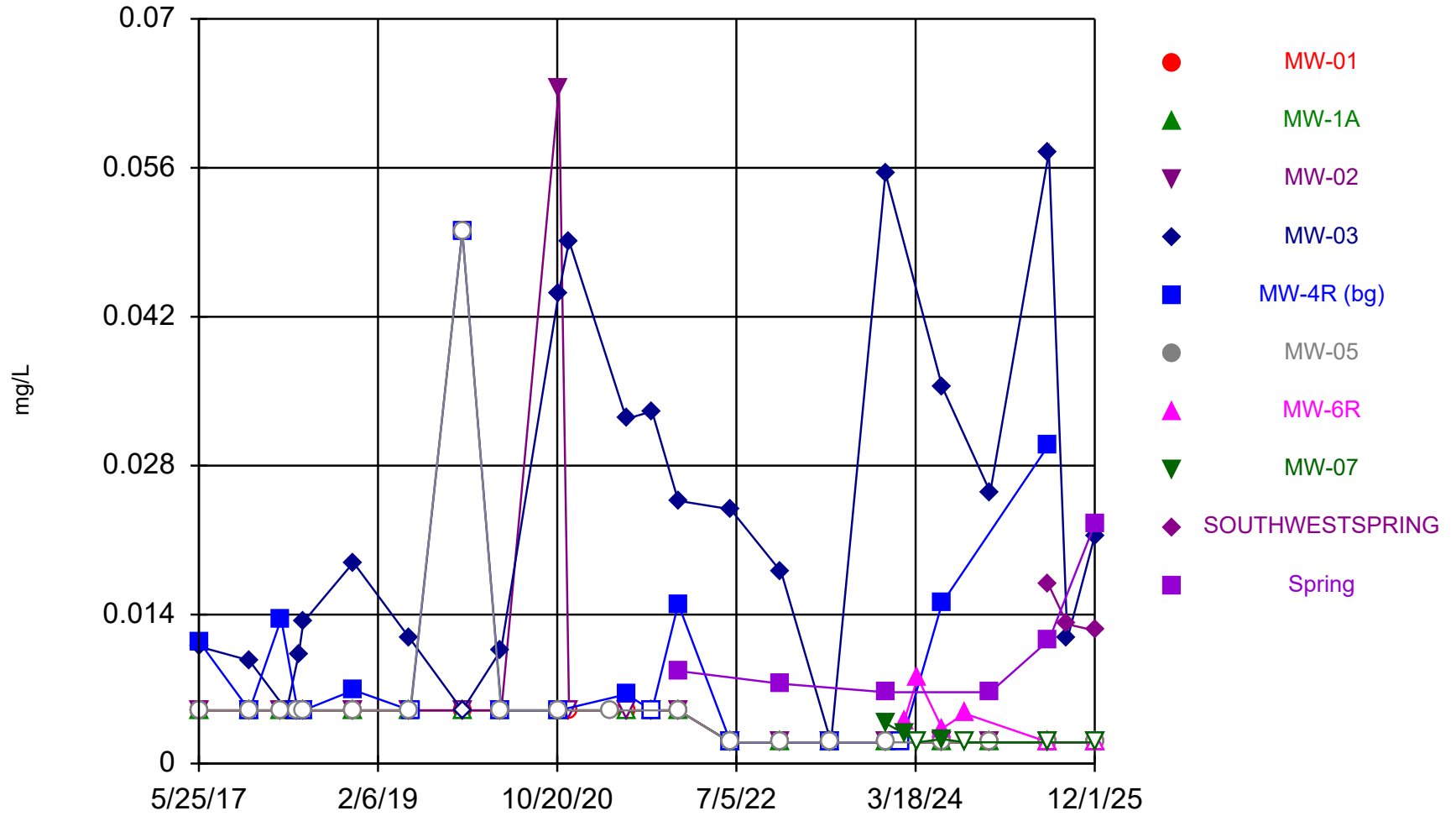
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Time Series



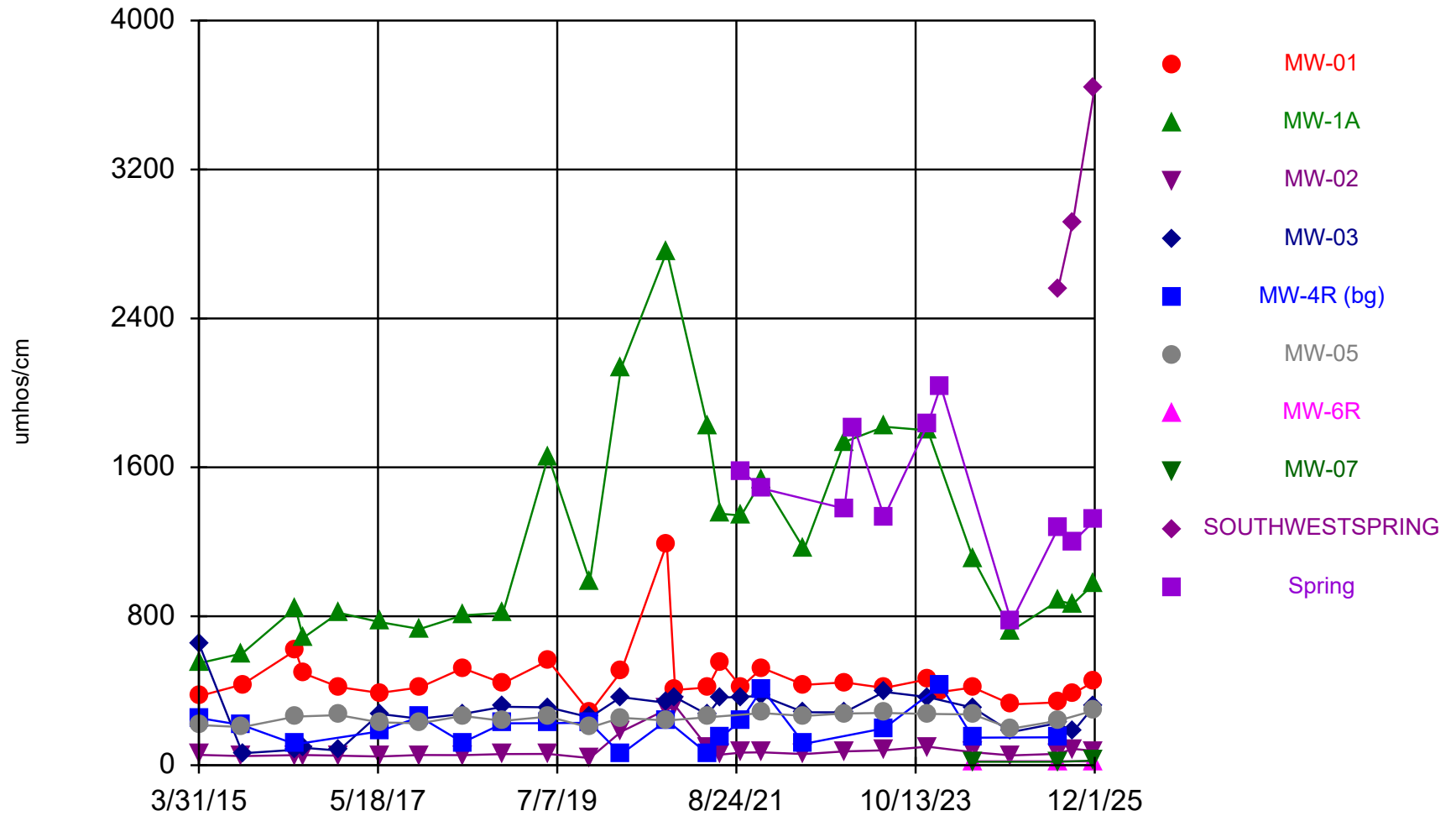
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Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



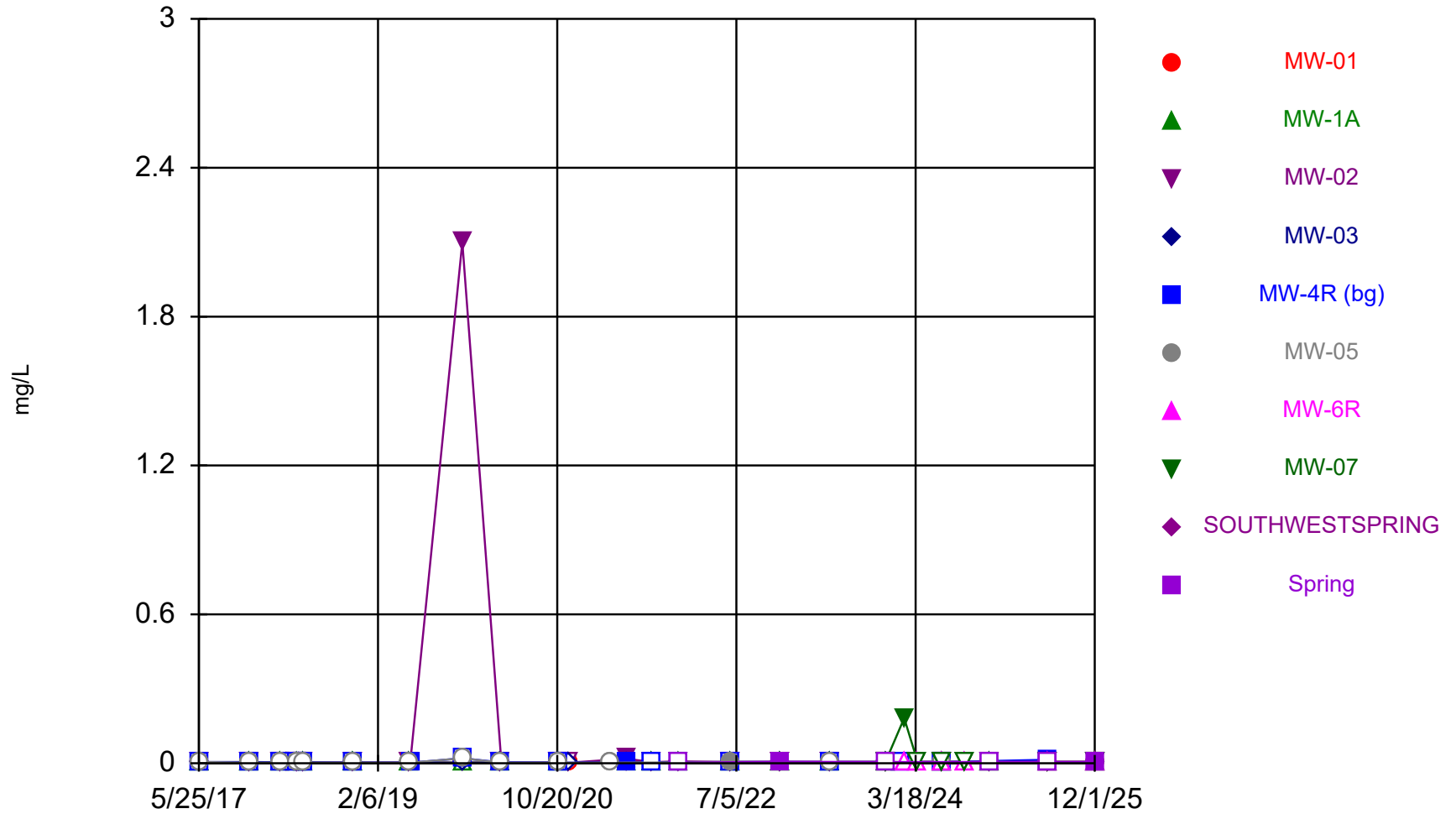
Constituent: Cobalt, Total Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



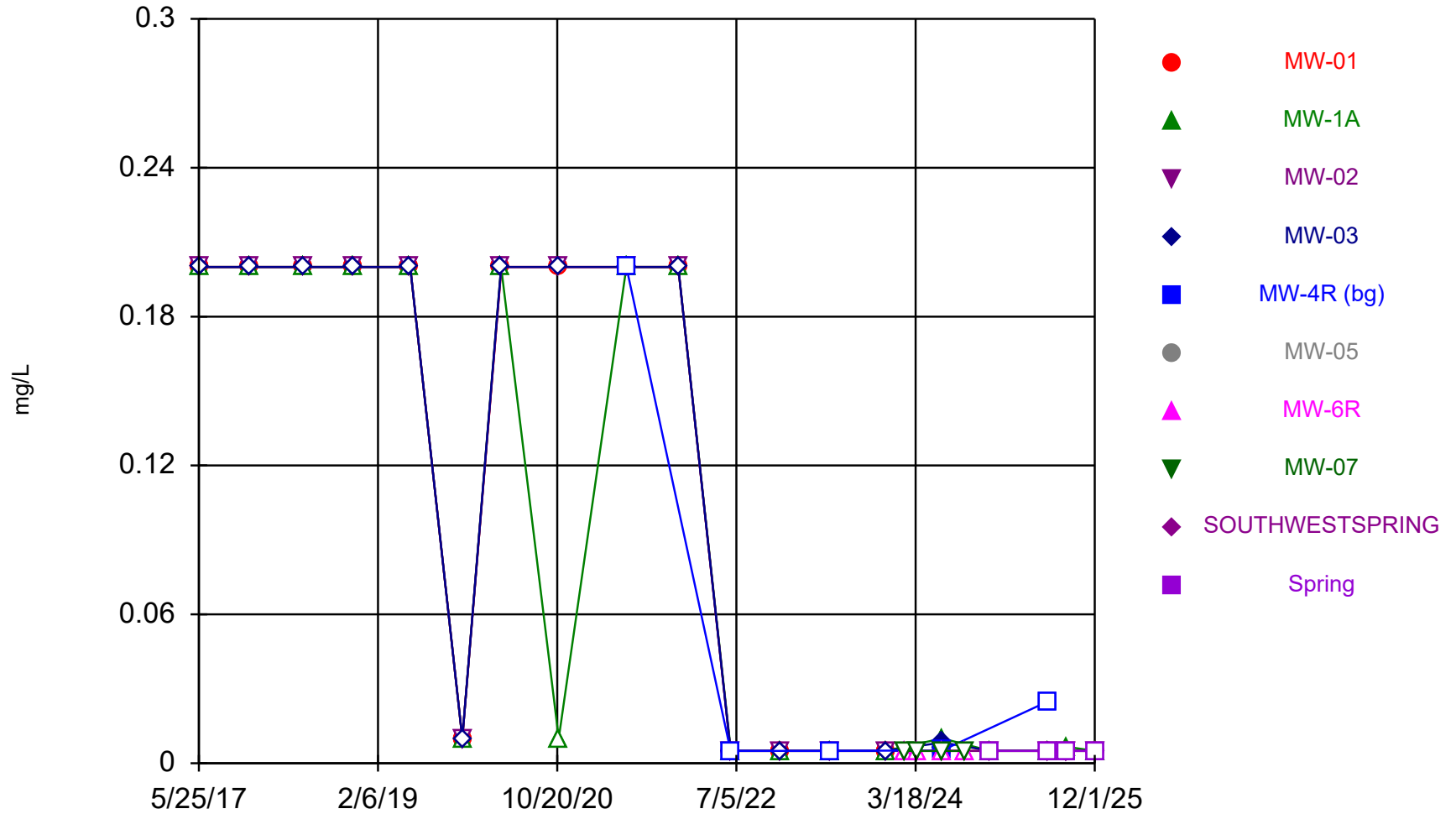
Constituent: Conductance Field Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



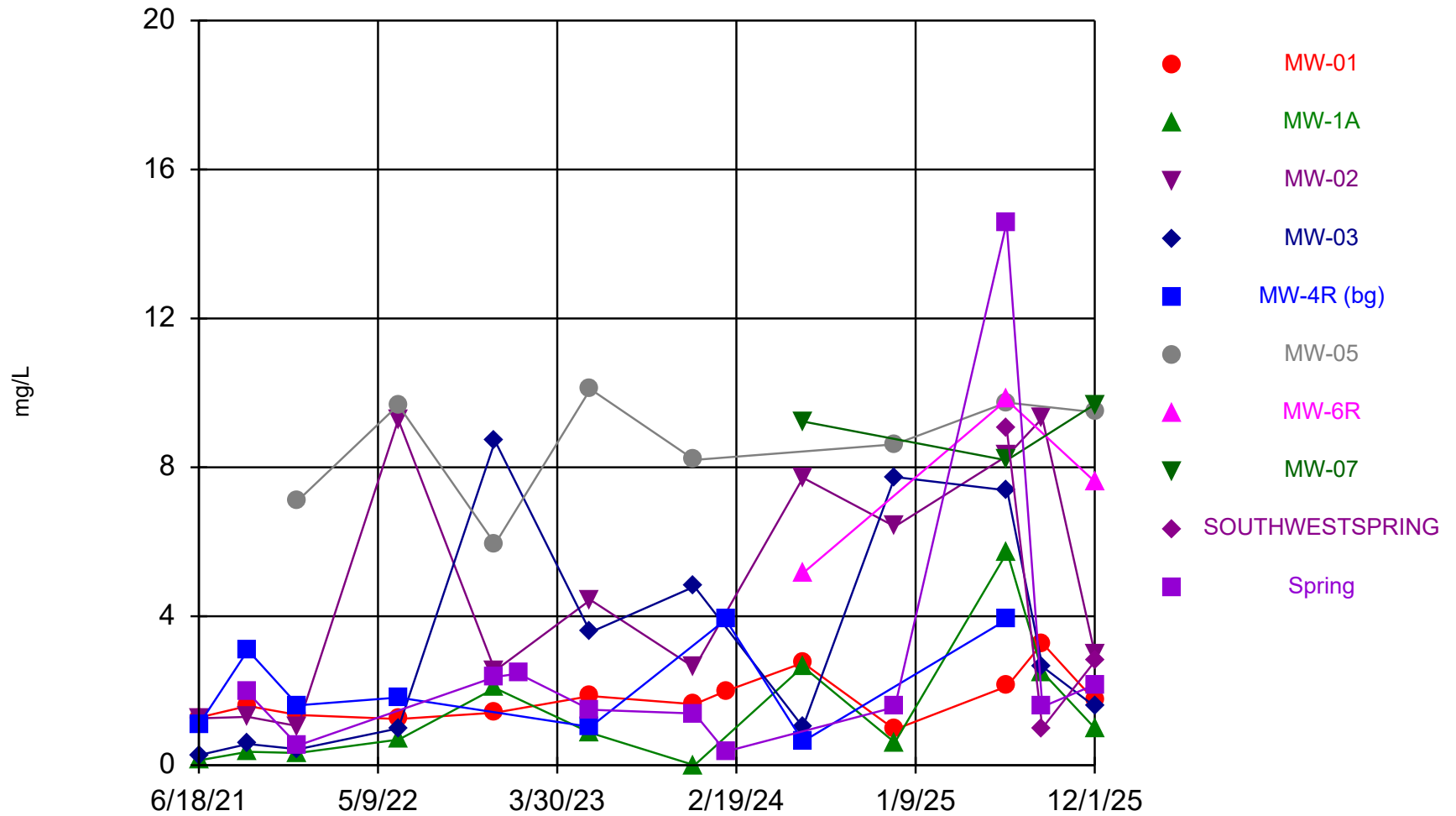
Constituent: Copper, Total Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



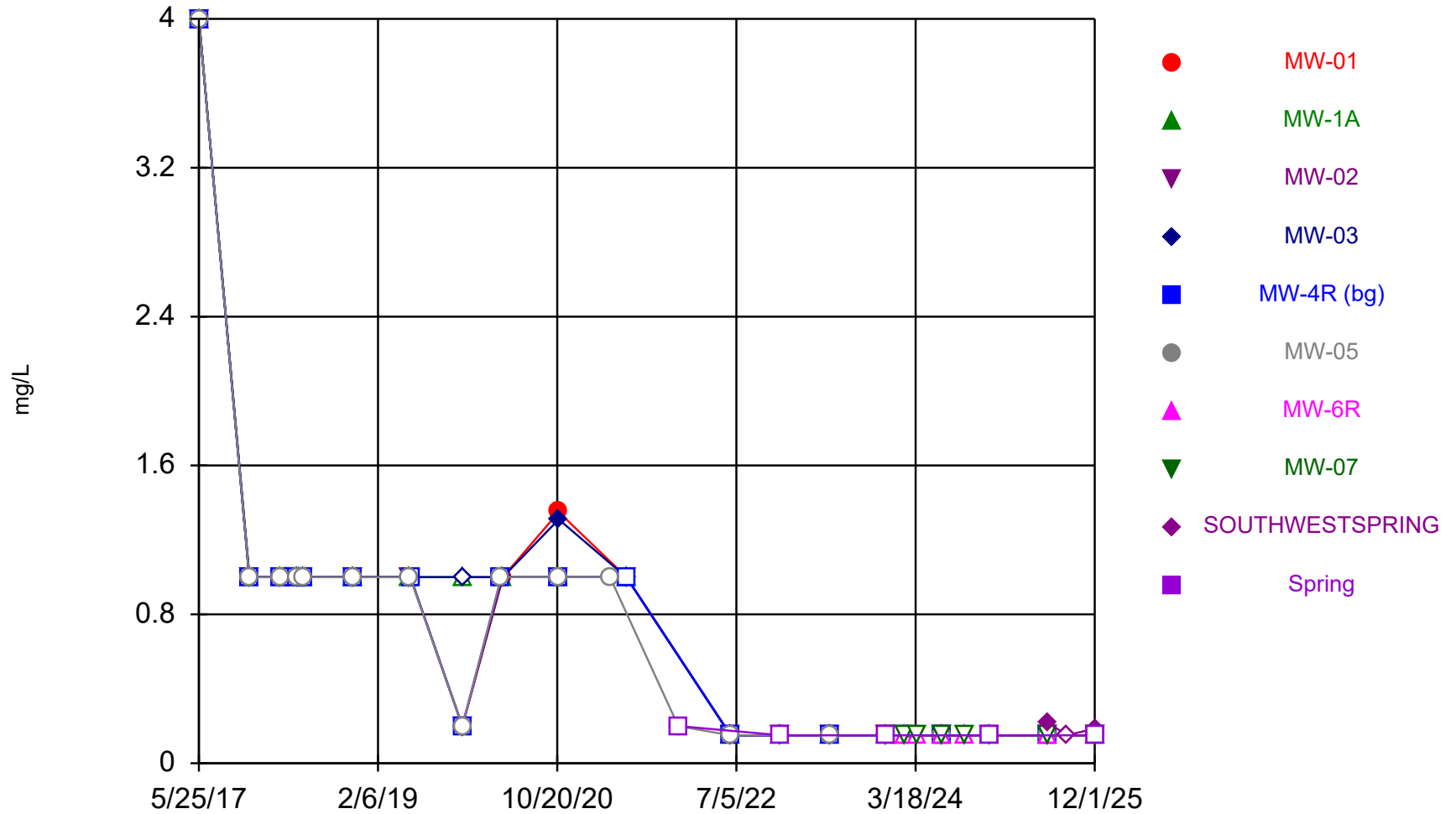
Constituent: Cyanide, Total Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



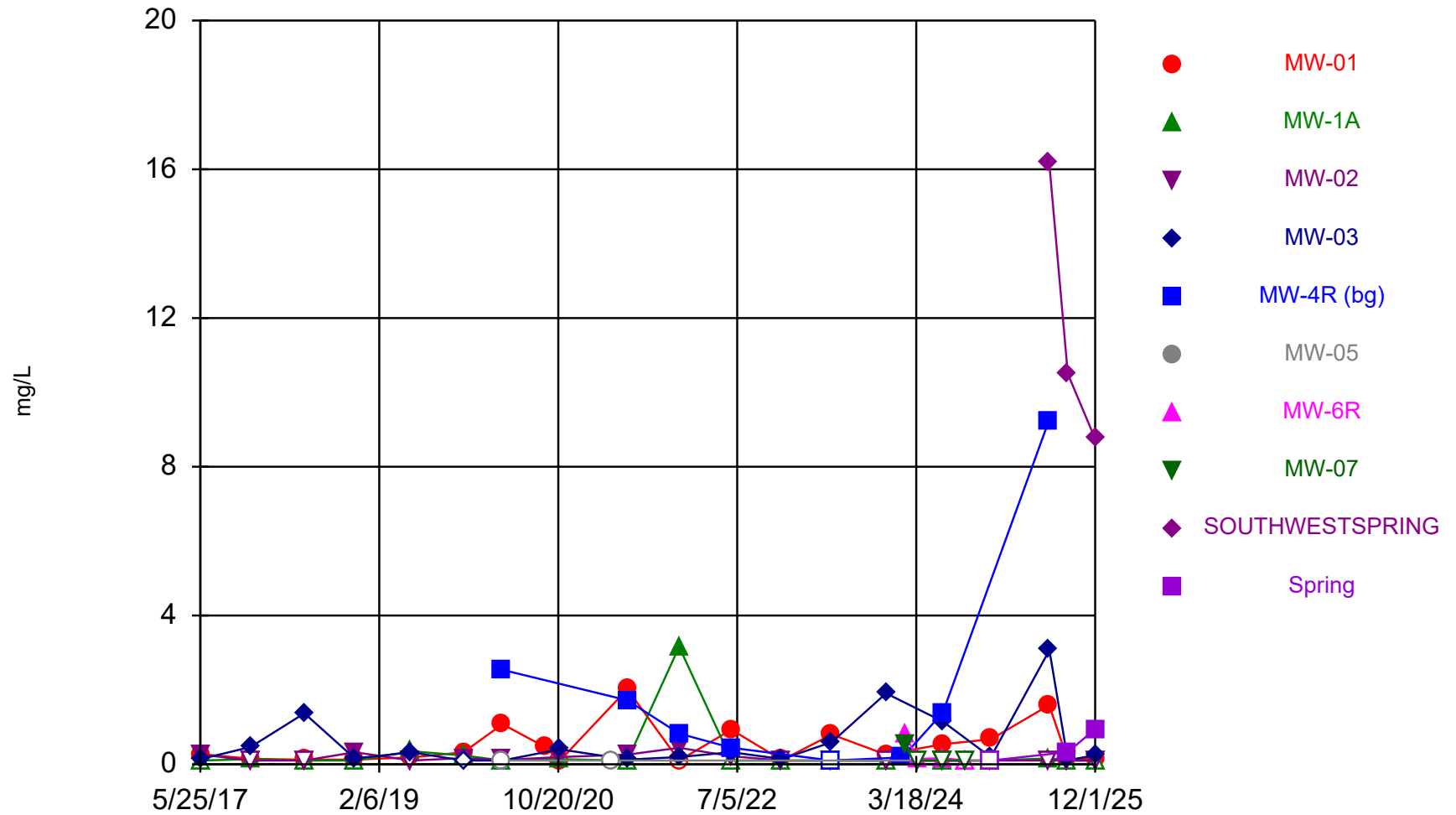
Constituent: Dissolved Oxygen, Field Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



Constituent: Fluoride, Total Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

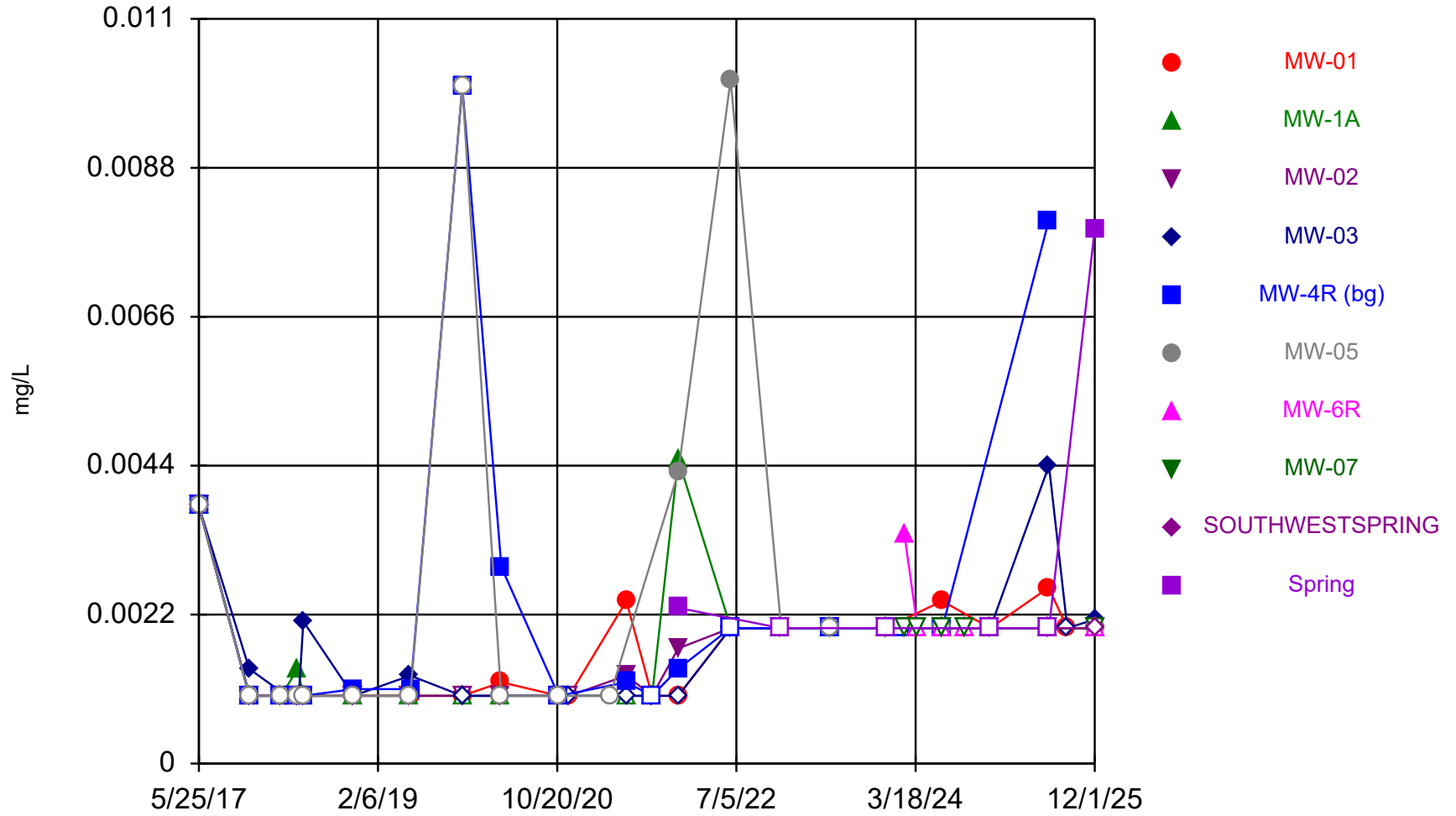
Time Series



Constituent: Iron, Total Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters

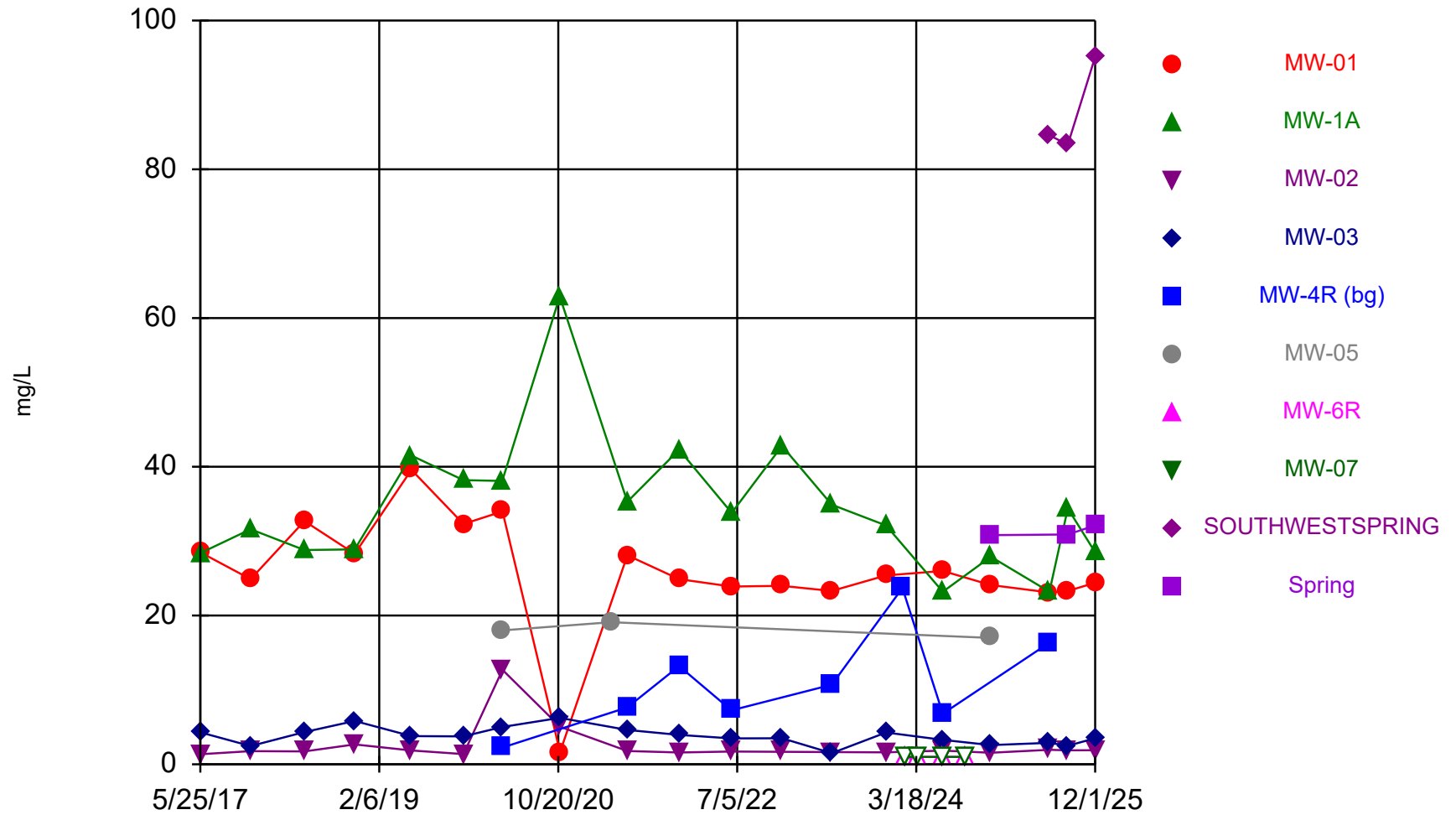
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



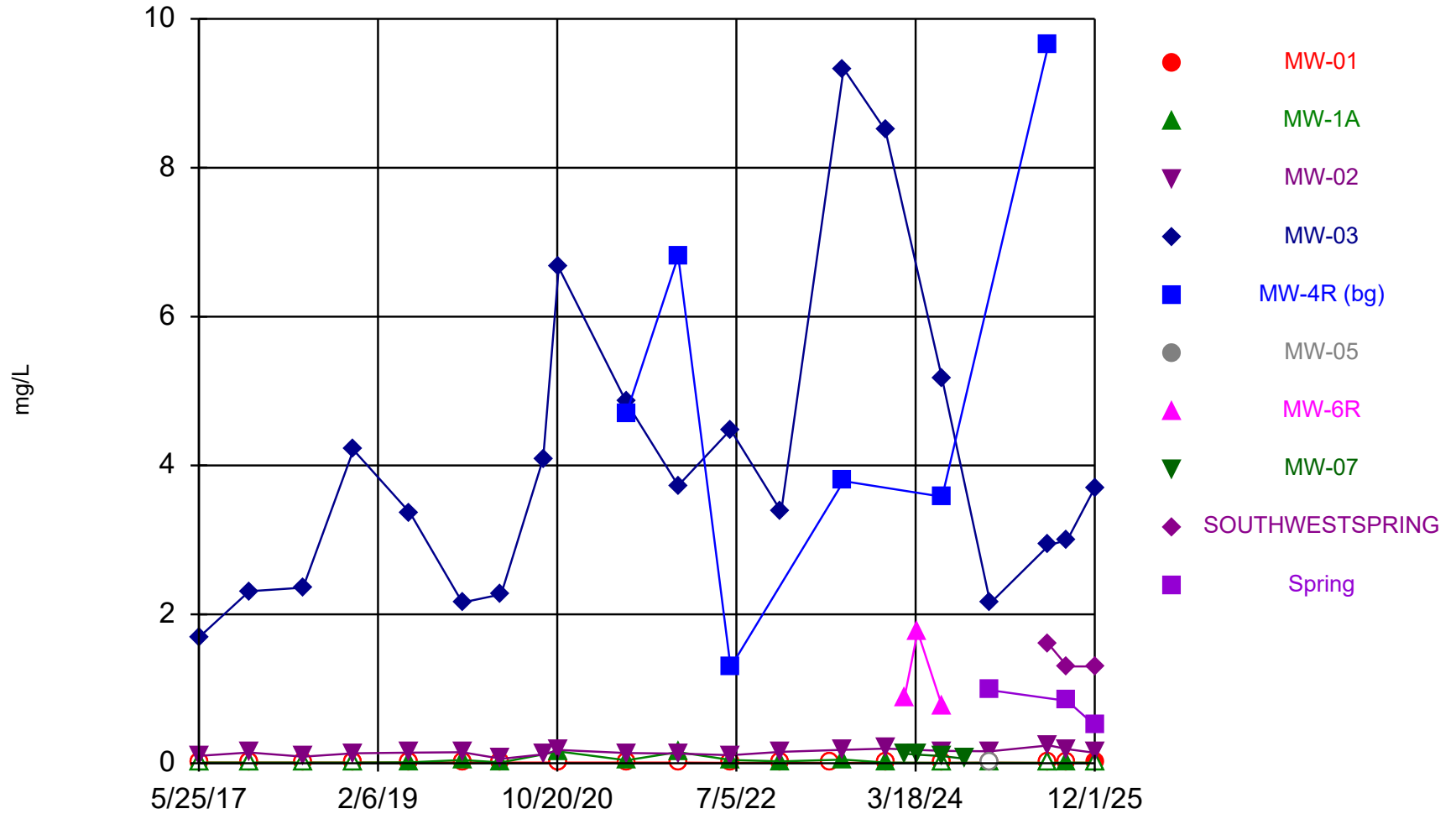
Constituent: Lead, Total Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



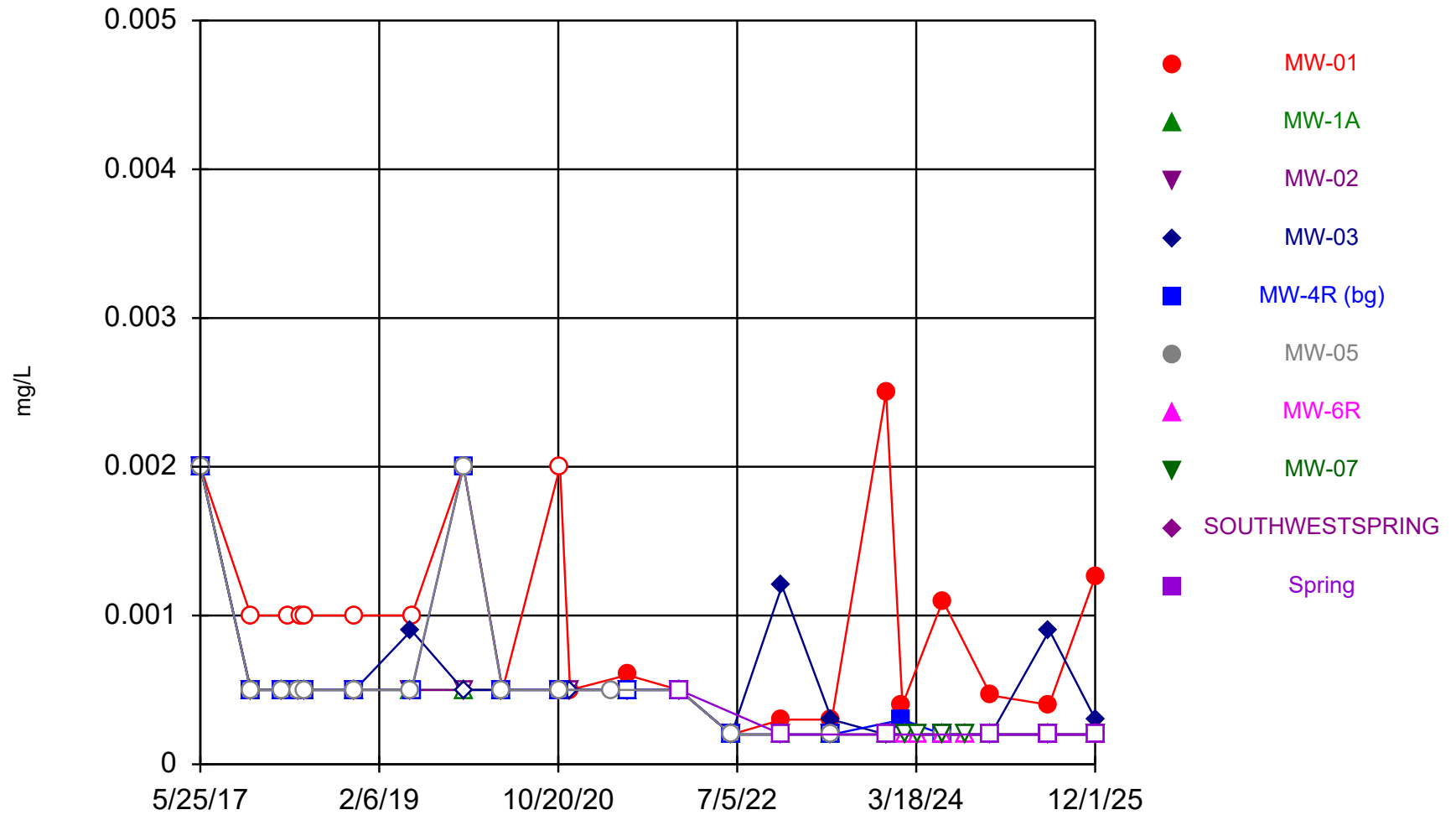
Constituent: Magnesium, Total Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



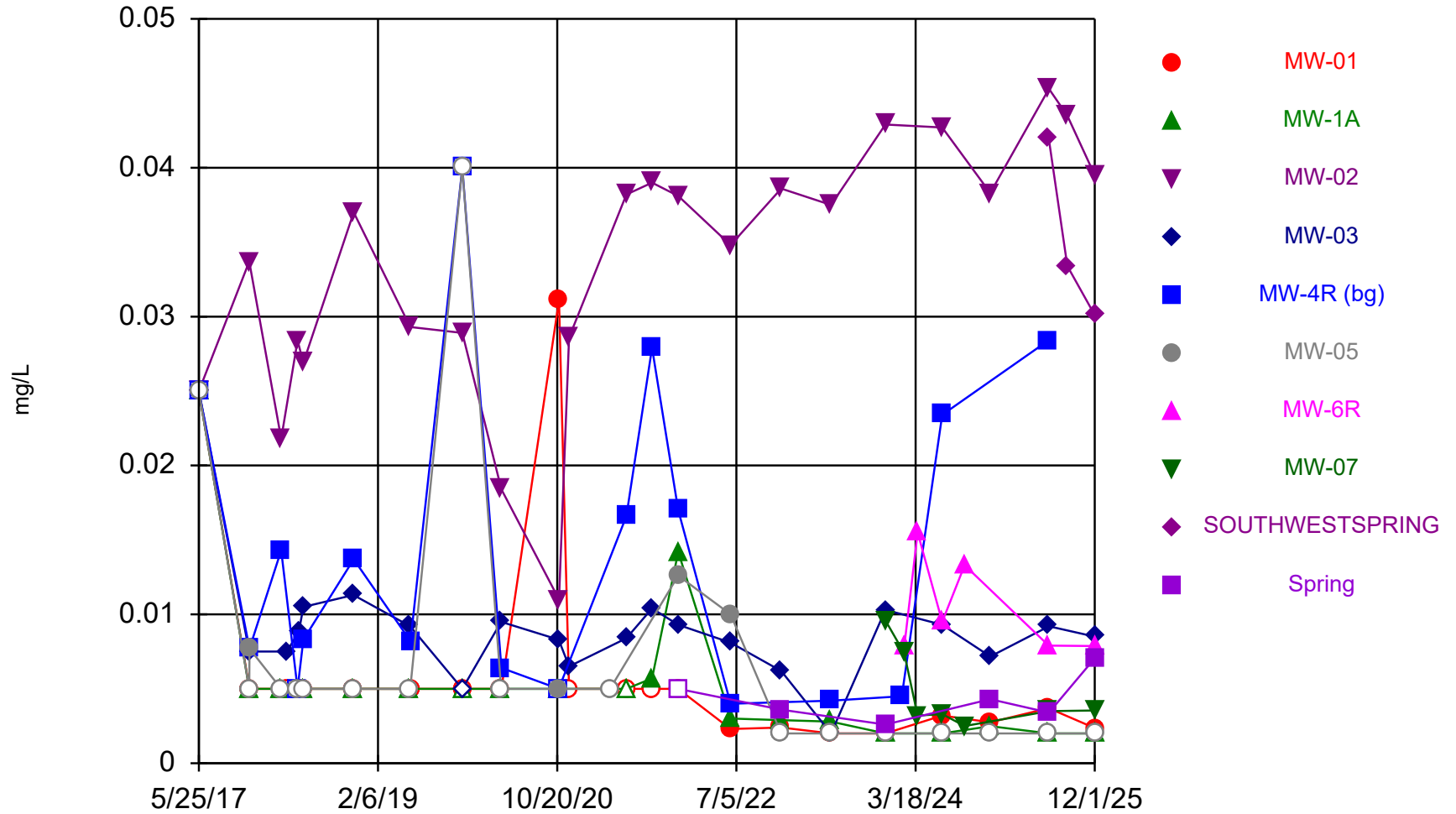
Constituent: Manganese, Dissolved Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



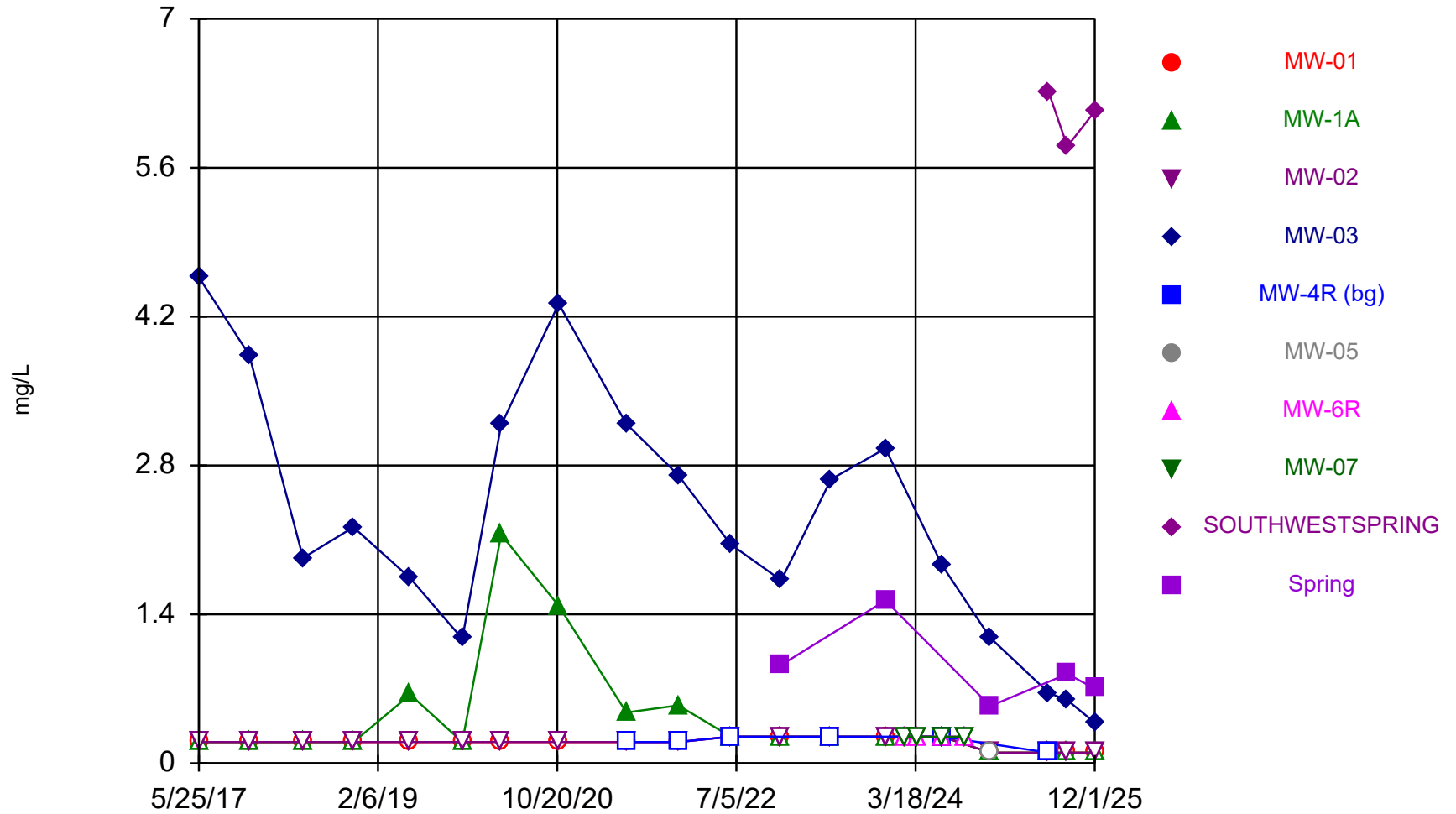
Constituent: Mercury, Total Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



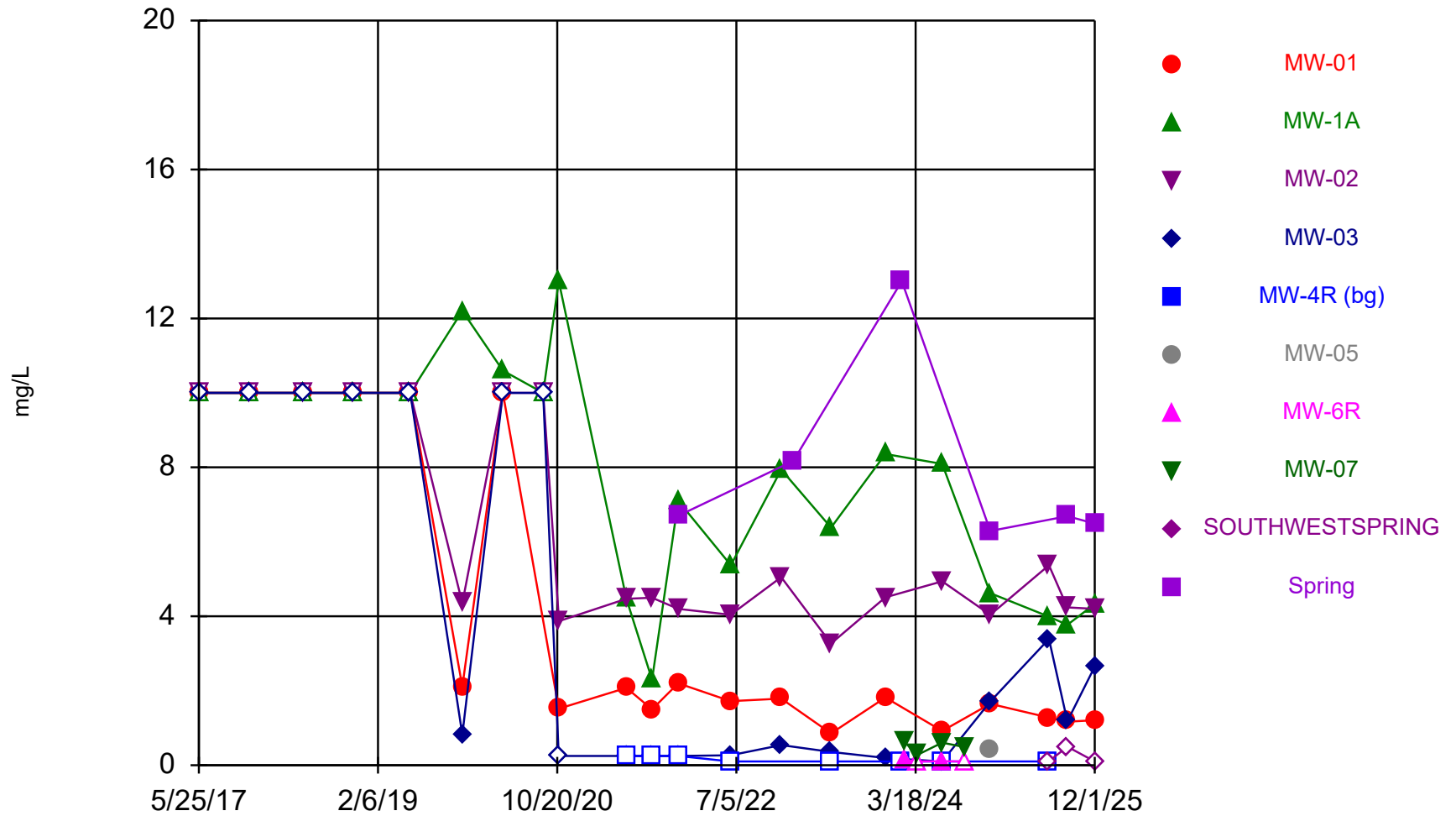
Constituent: Nickel, Total Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



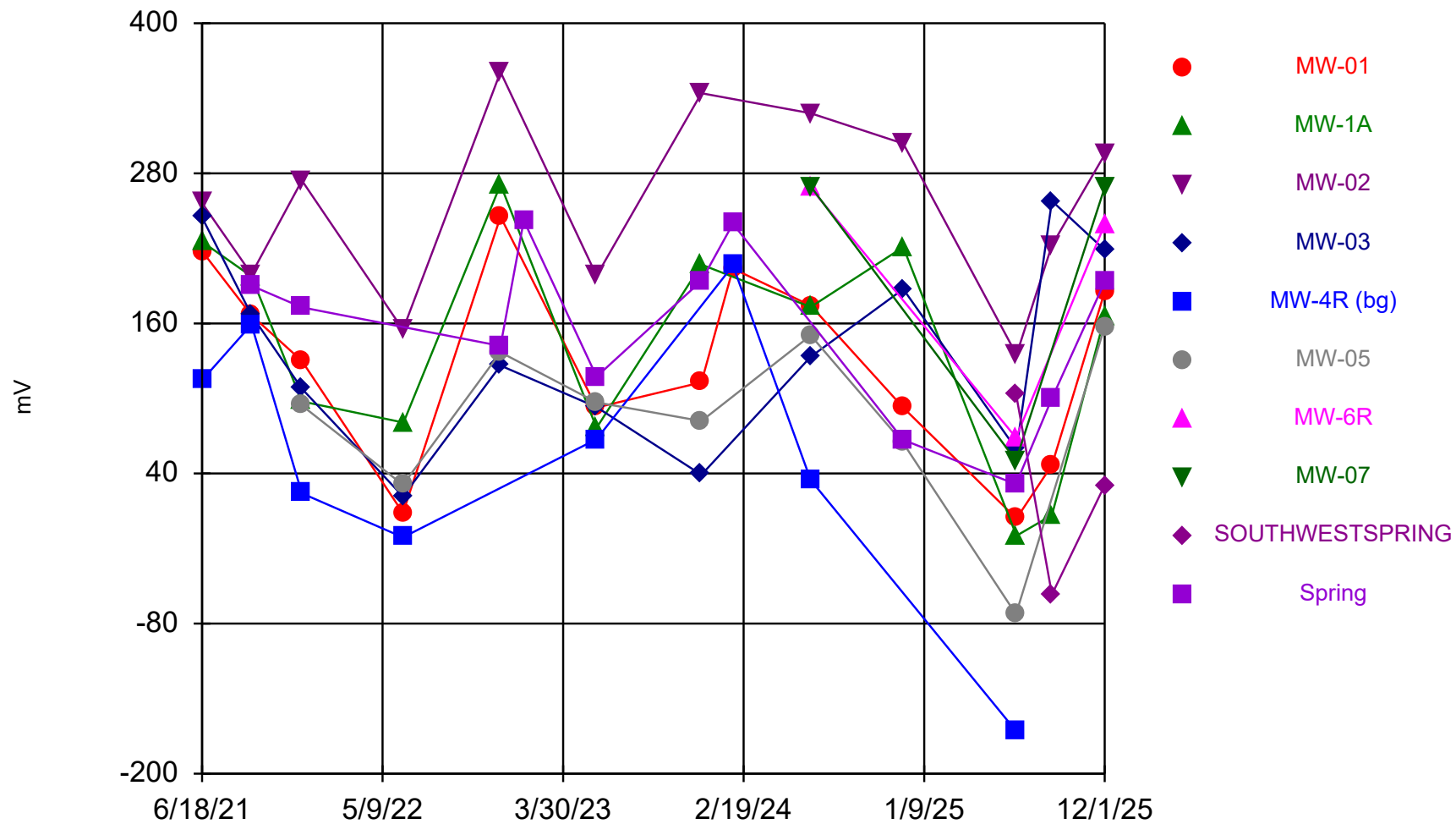
Constituent: Nitrogen, Ammonia Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



Constituent: Nitrogen, Nitrate Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

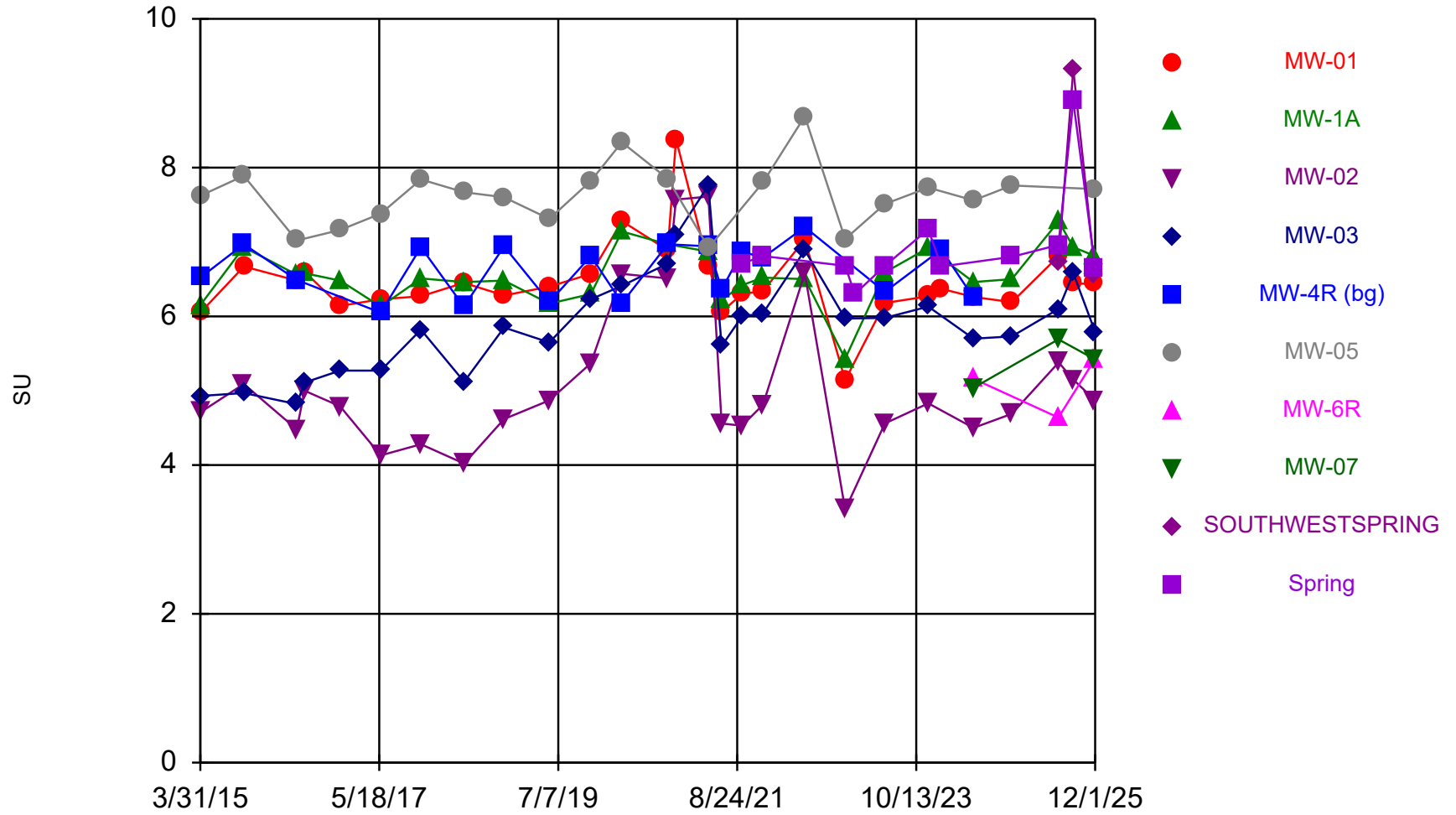
Time Series



Constituent: ORP, Field Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters

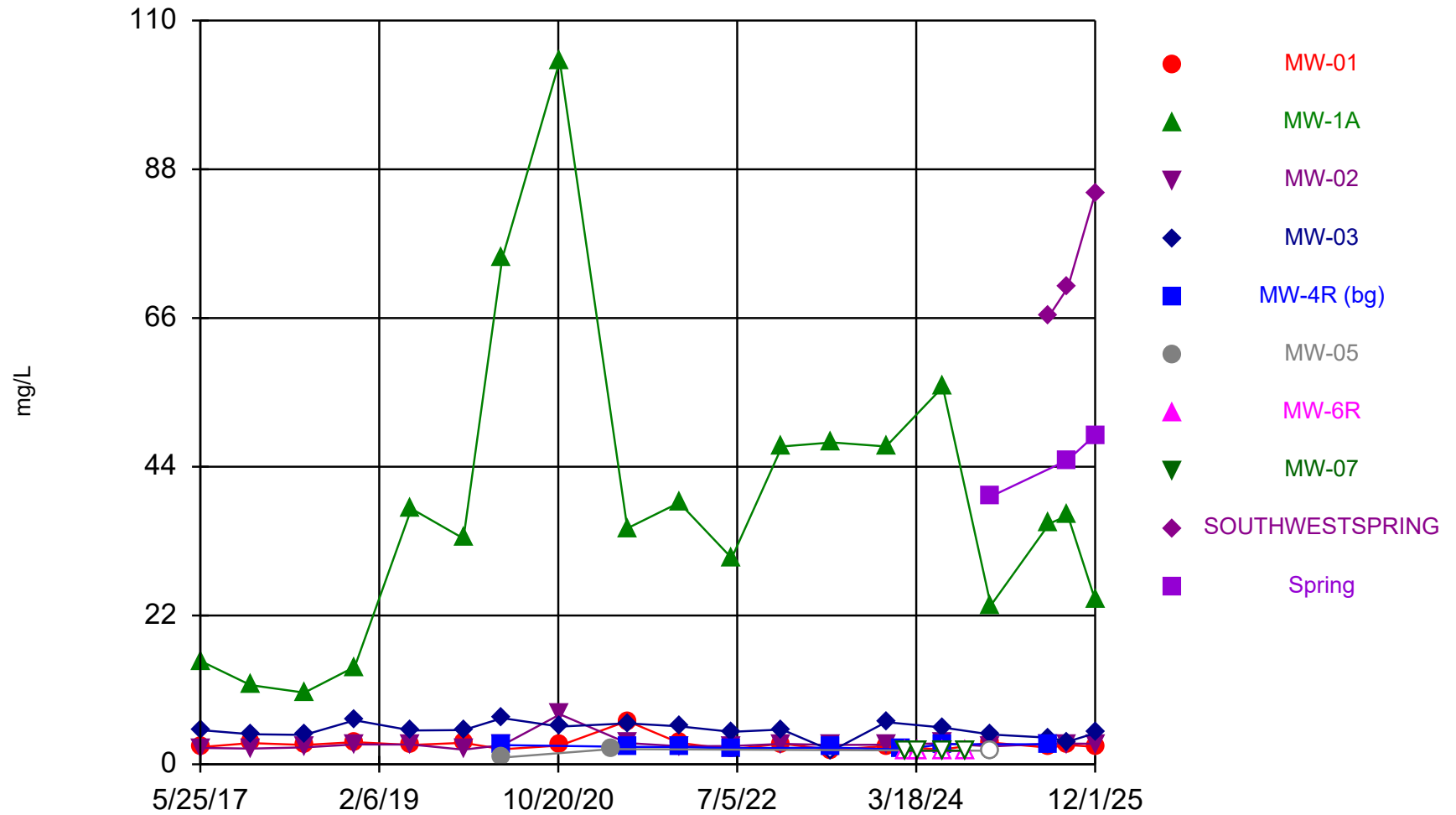
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



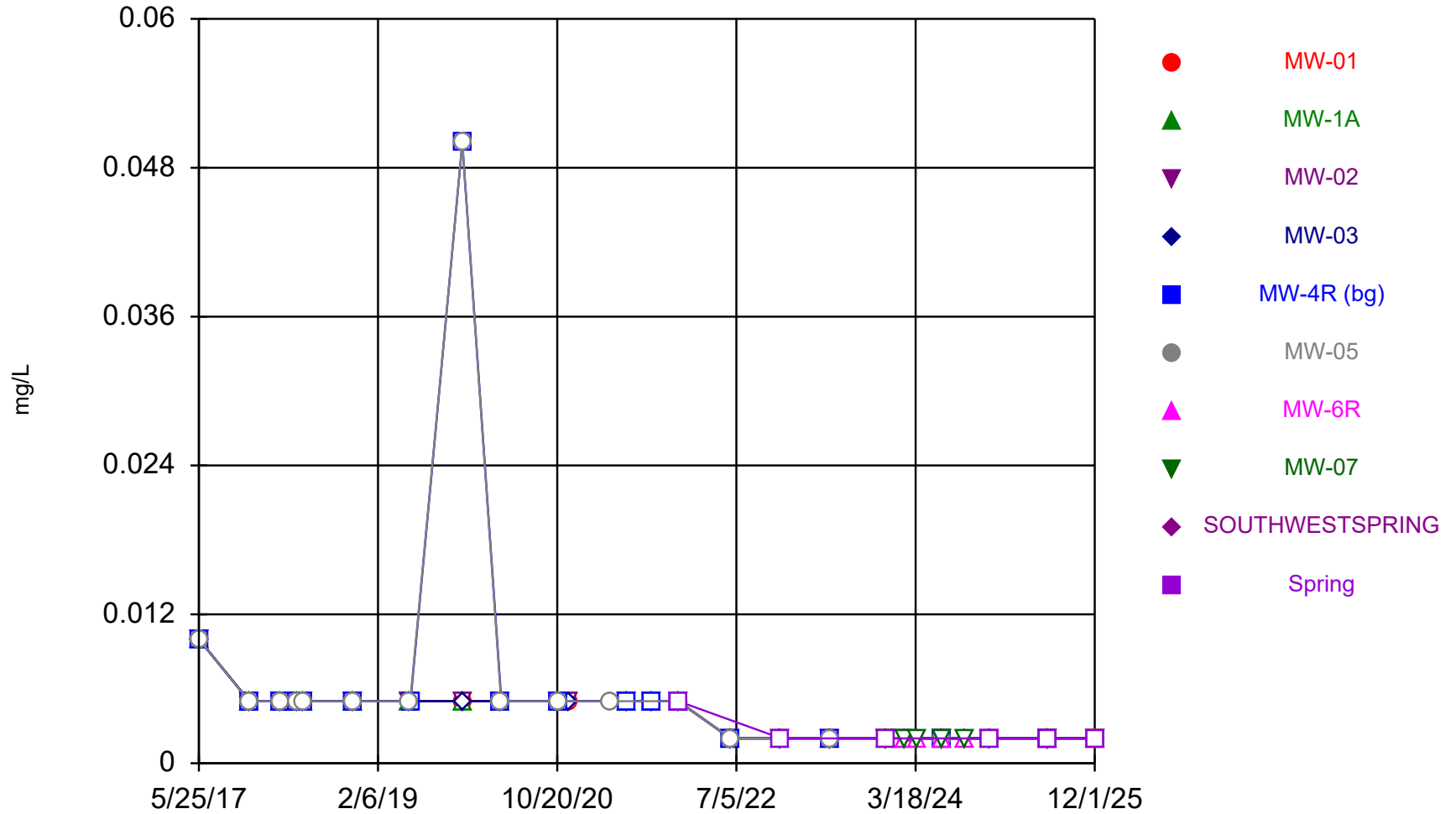
Constituent: pH, Field Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



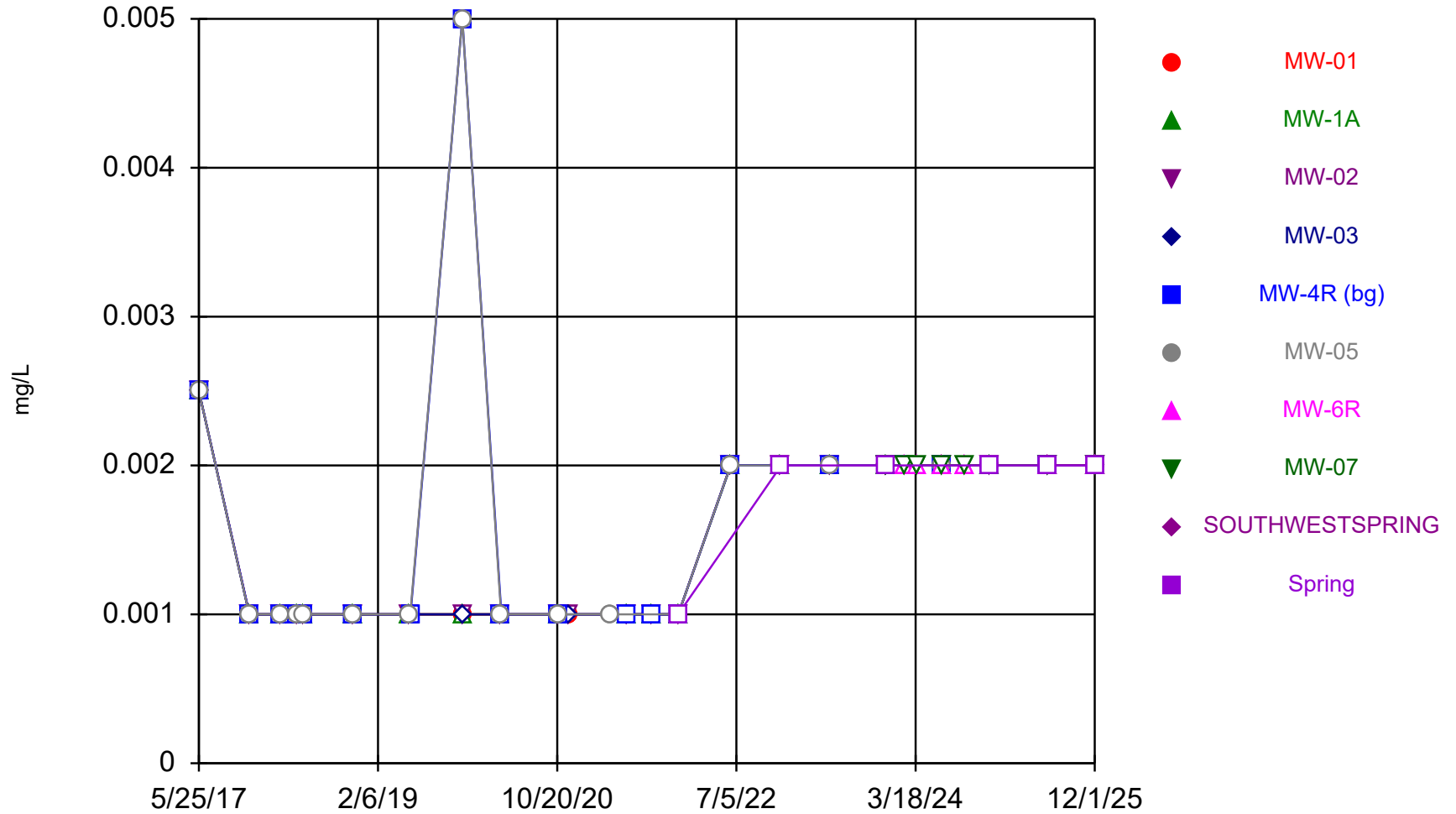
Constituent: Potassium, Total Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



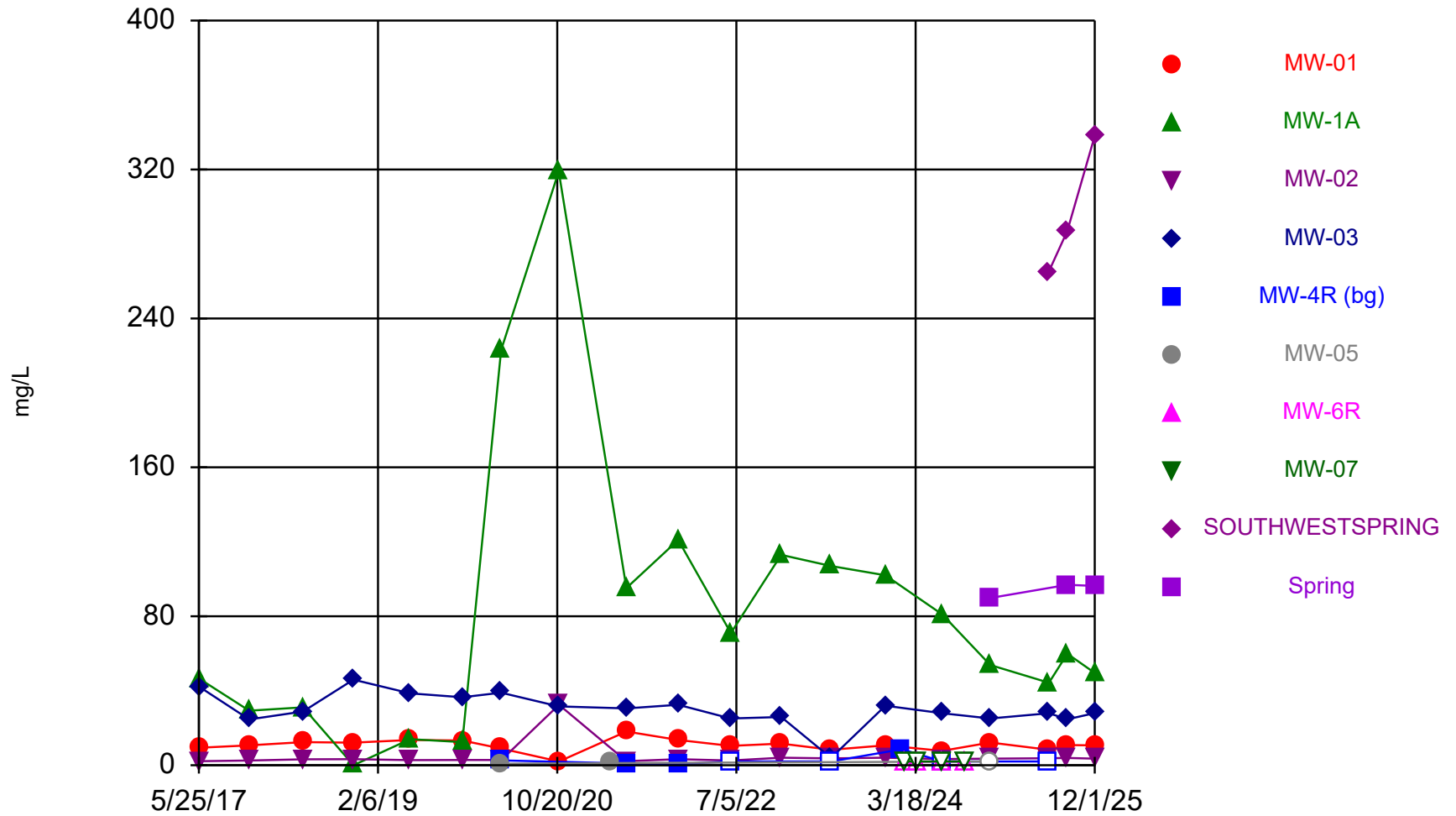
Constituent: Selenium, Total Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



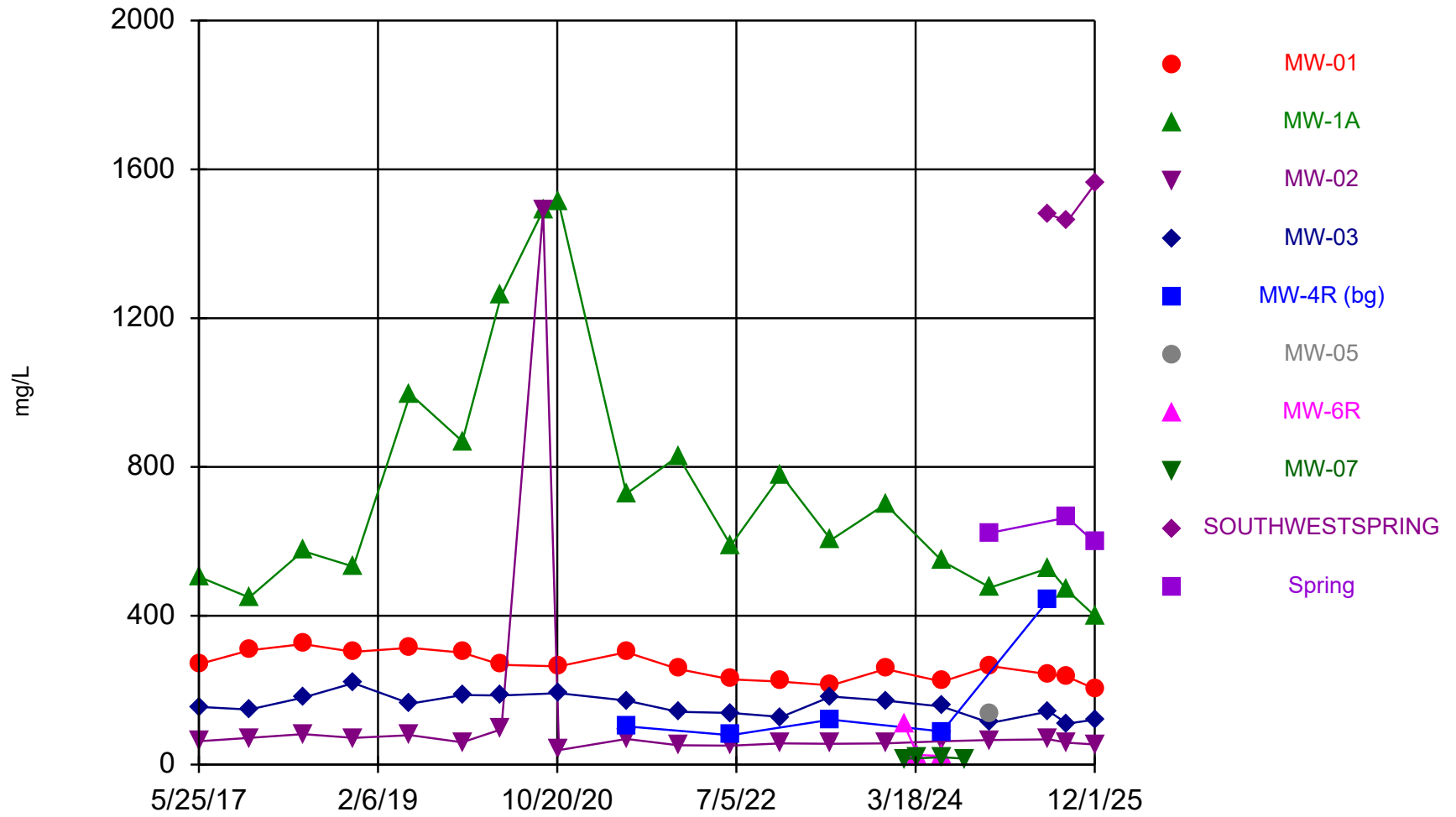
Constituent: Silver, Total Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



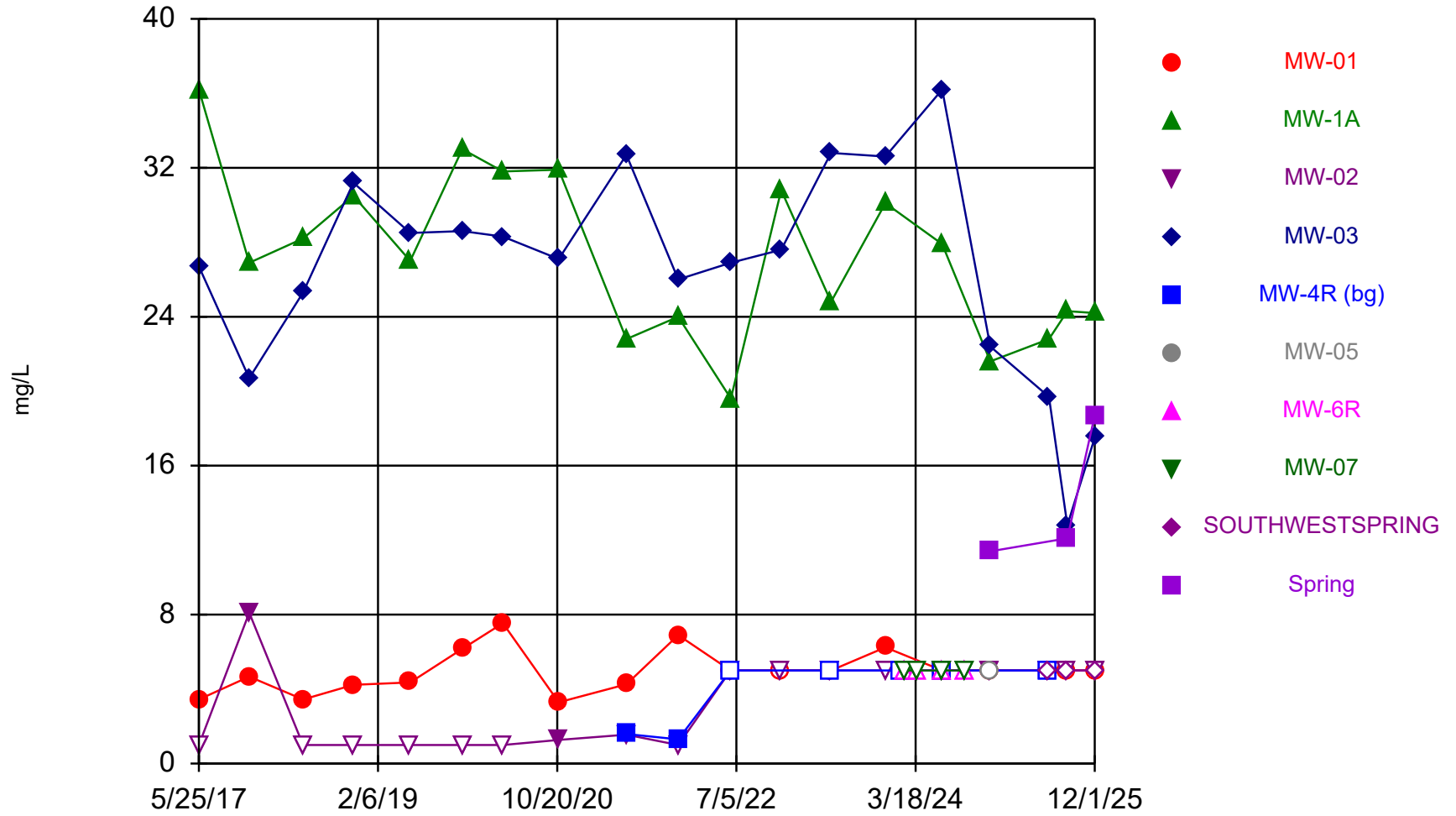
Constituent: Sodium, Total Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



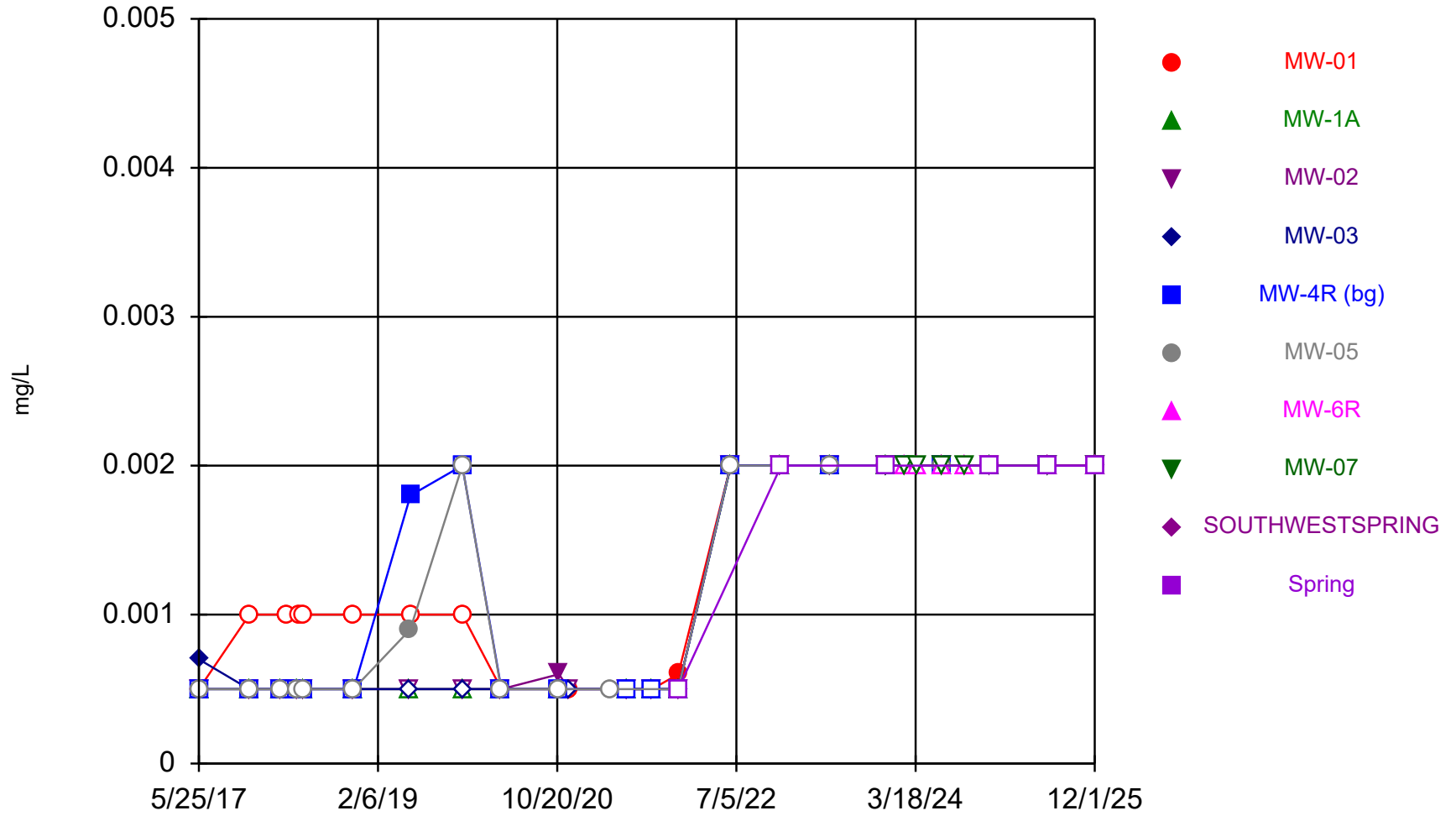
Constituent: Solids, Total Dissolved Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



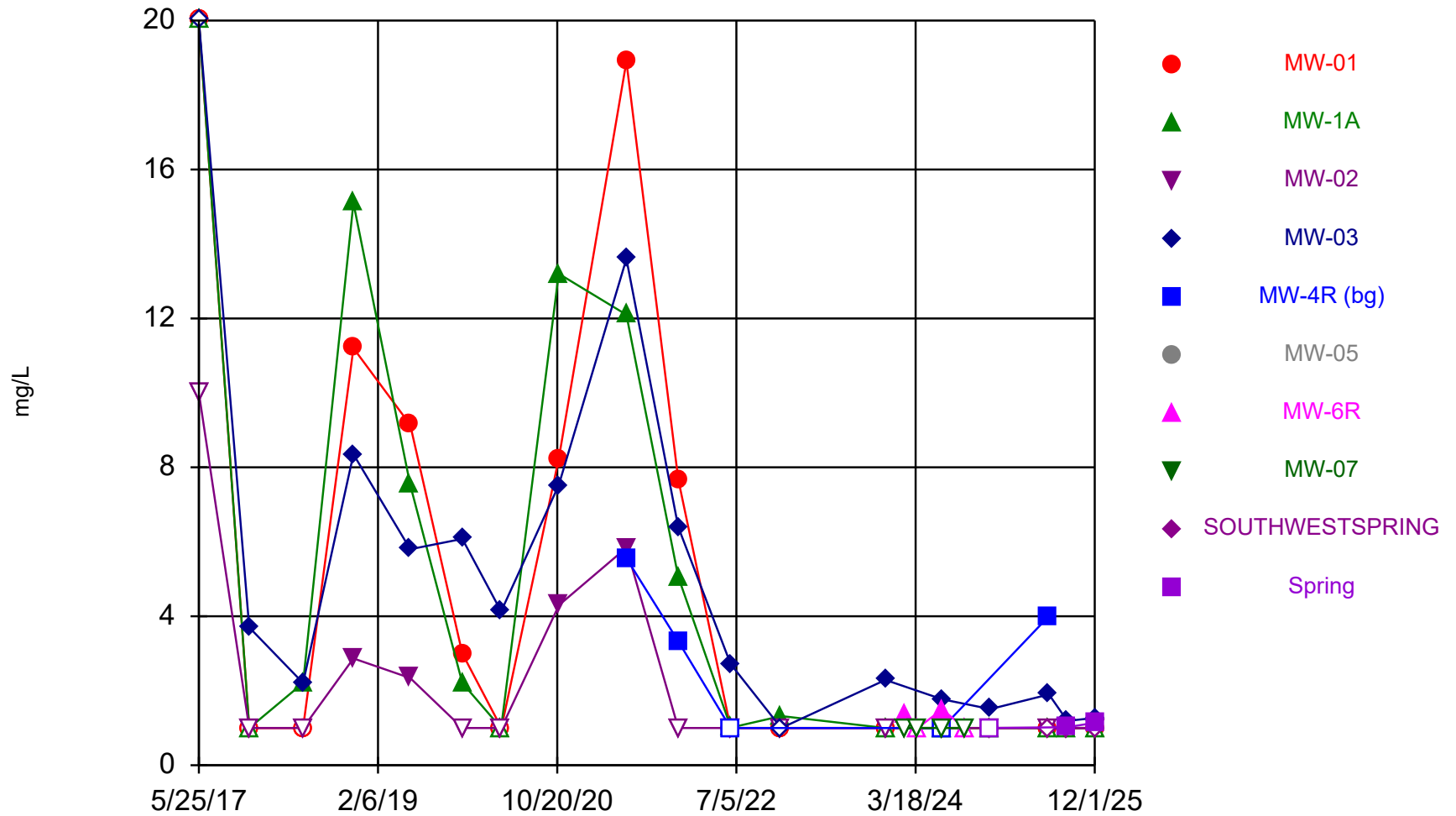
Constituent: Sulfate Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



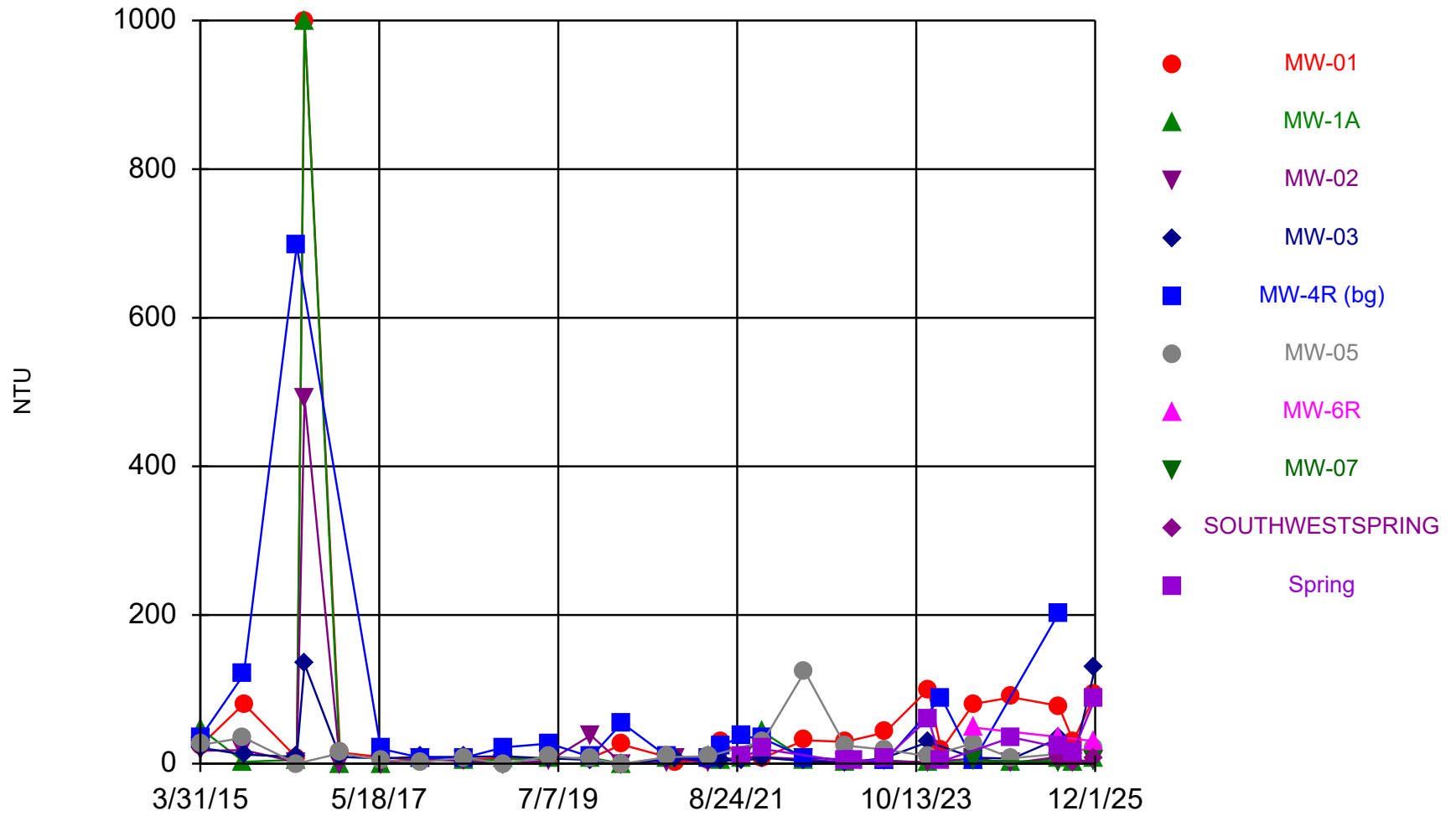
Constituent: Thallium, Total Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



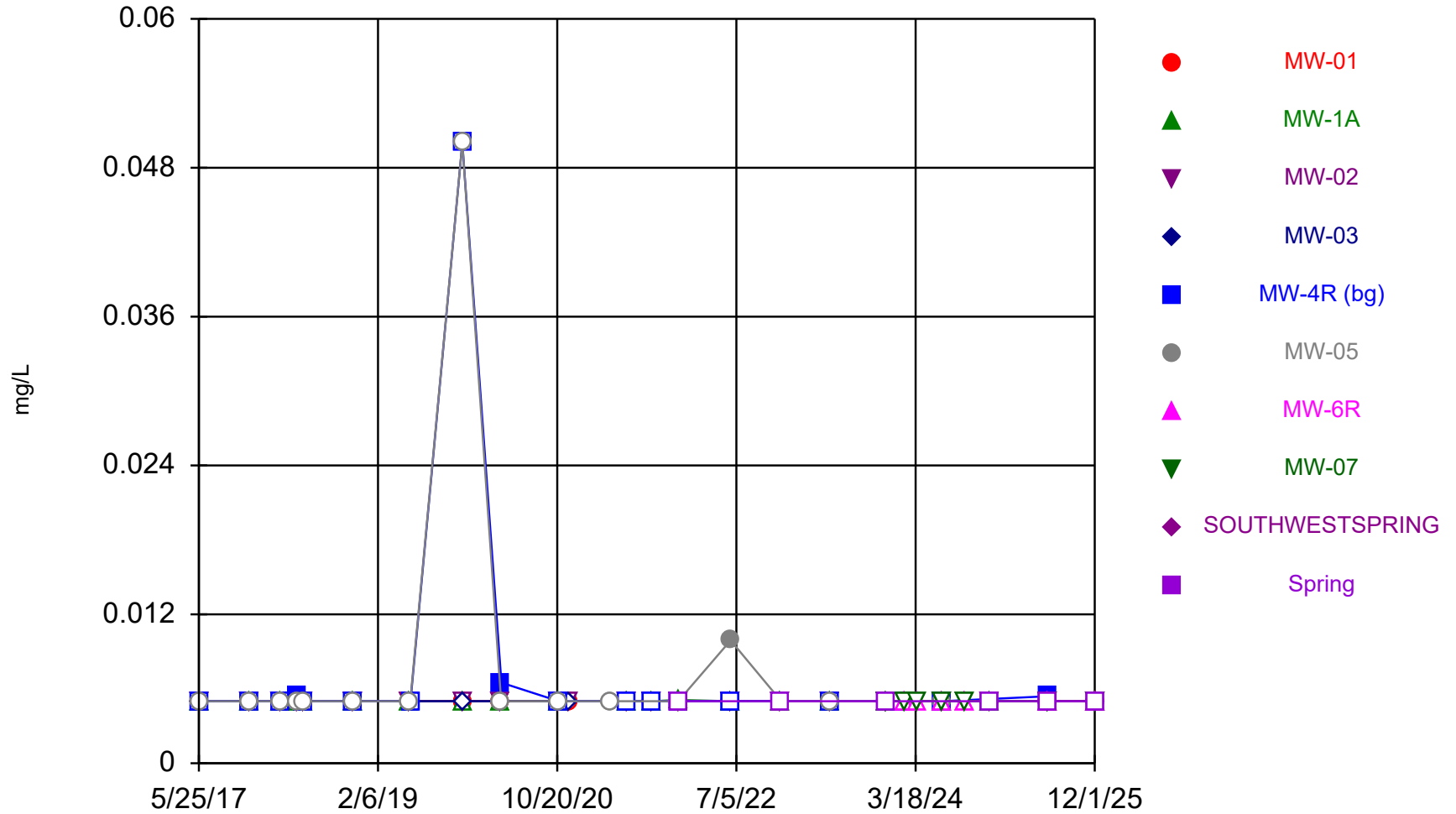
Constituent: Total Organic Carbon Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



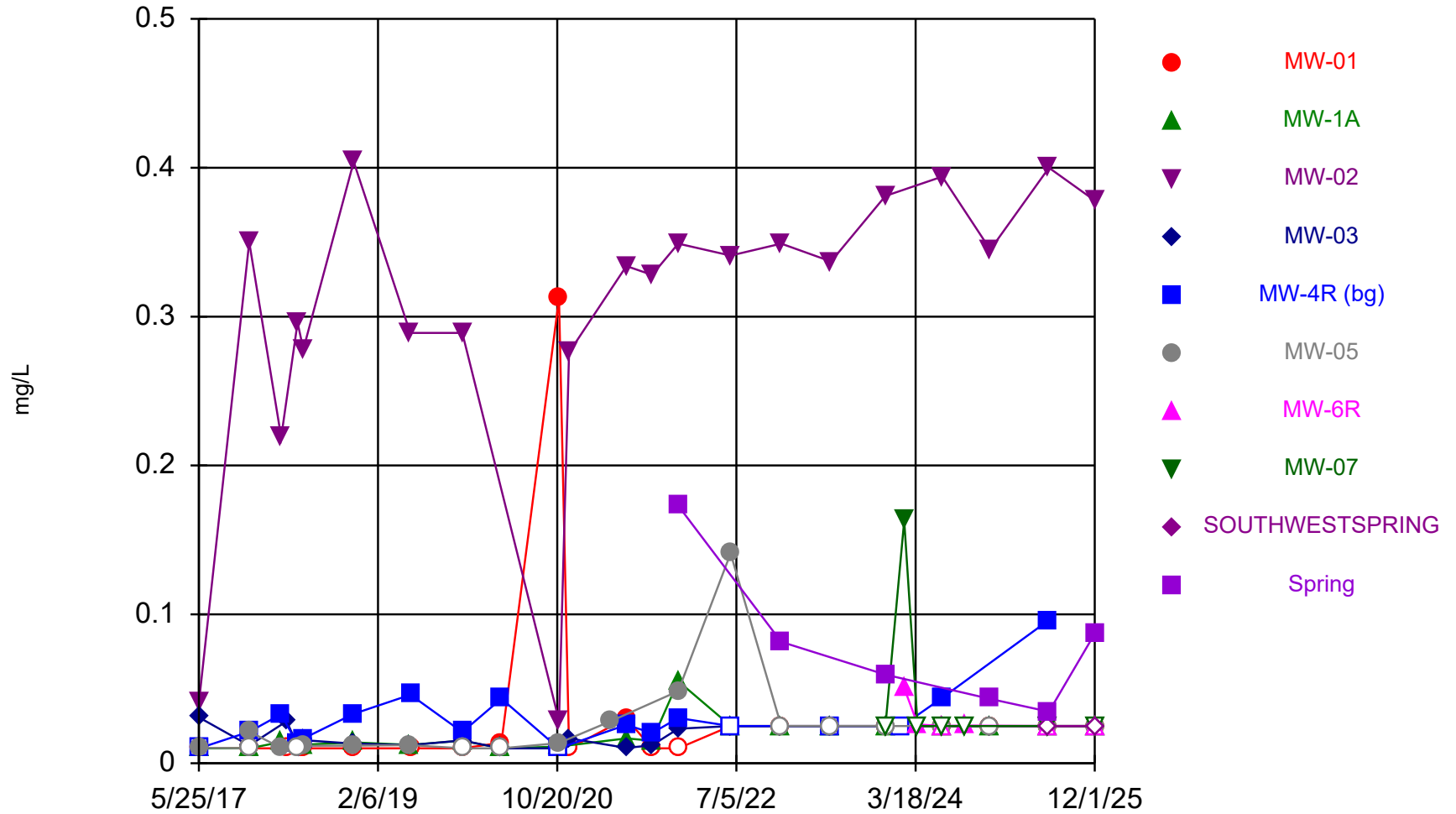
Constituent: Turbidity, Field Analysis Run 1/7/2026 3:23 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Time Series



Constituent: Vanadium, Total Analysis Run 1/7/2026 3:24 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

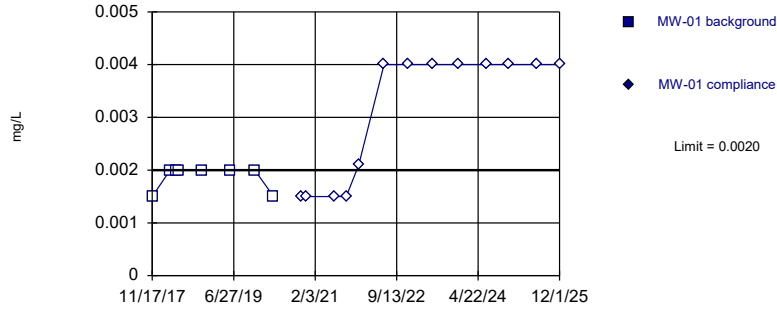
Time Series



Constituent: Zinc, Total Analysis Run 1/7/2026 3:24 PM View: All Inorganic Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

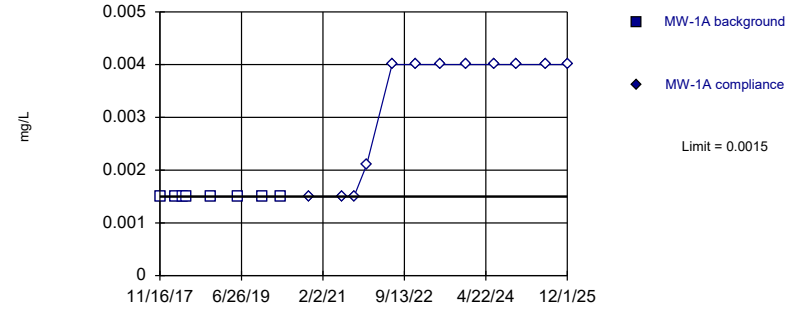


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Antimony, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

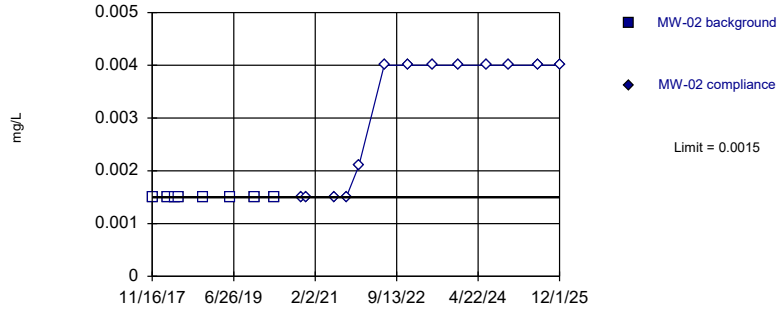


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Antimony, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

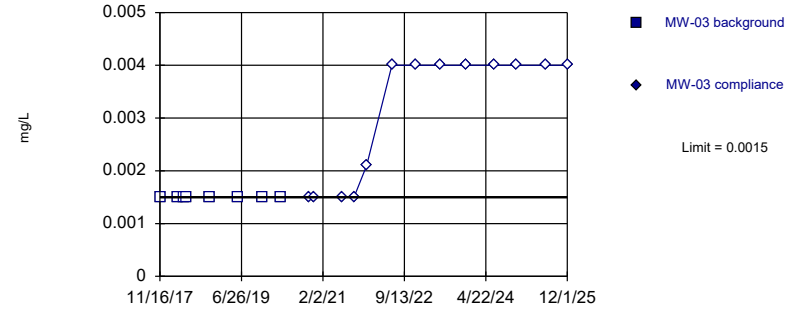


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Antimony, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

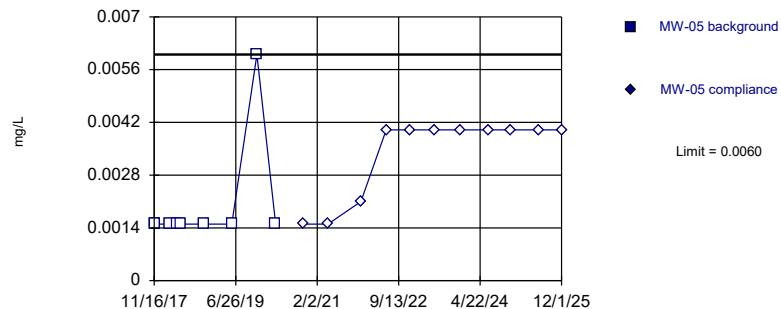


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Antimony, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

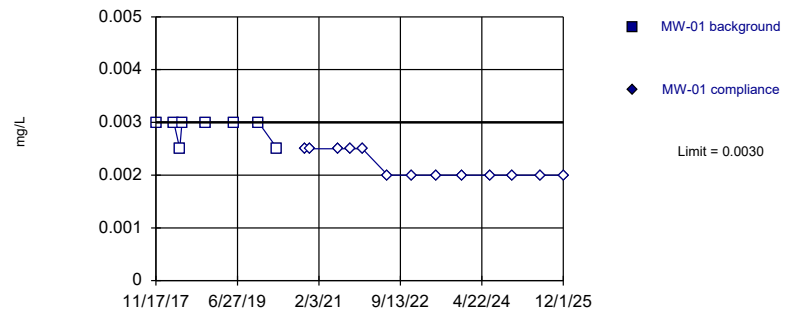


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 9 background values. 100% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

Constituent: Antimony, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

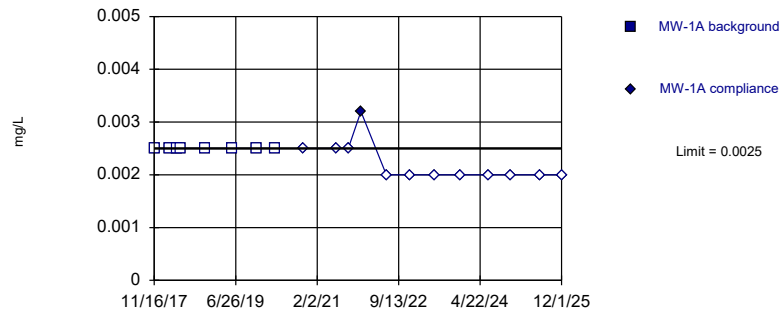


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Arsenic, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

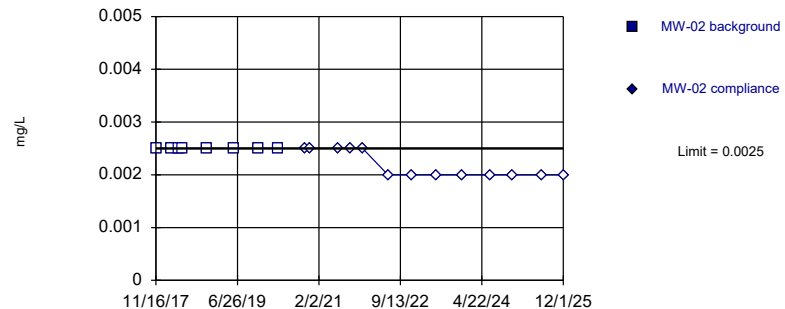


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Arsenic, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

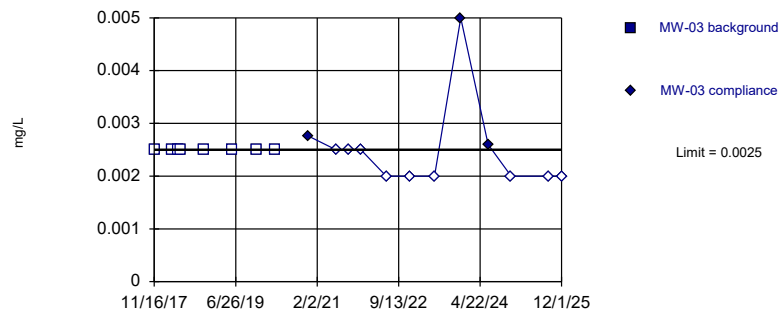


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Arsenic, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

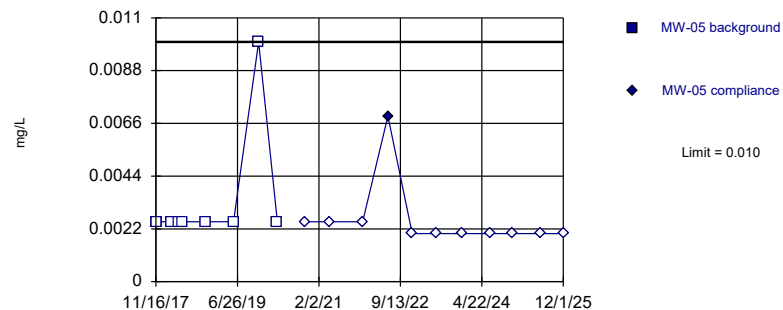


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Arsenic, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

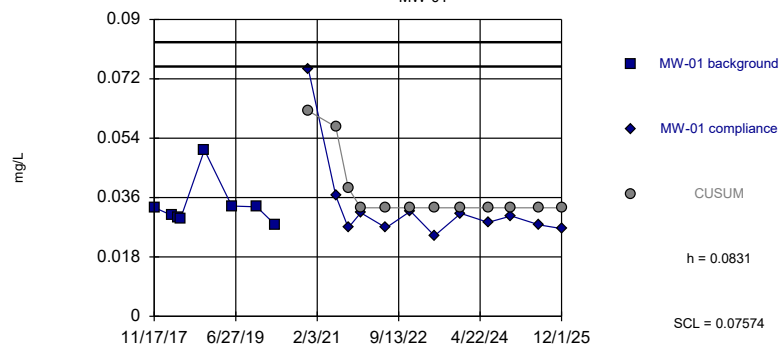


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 9 background values. 100% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

Constituent: Arsenic, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Control Limits

Control Chart MW-01

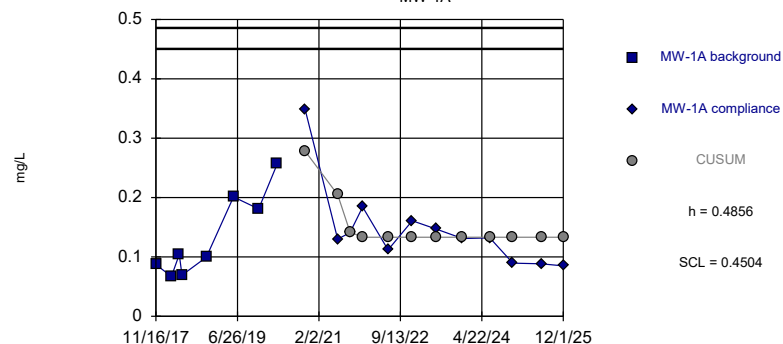


Background Data Summary (based on natural log transformation): Mean=-3.415, Std. Dev.=0.1855, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7603, critical = 0.749. Report alpha = 0.01131. Dates ending 4/10/2020 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Barium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

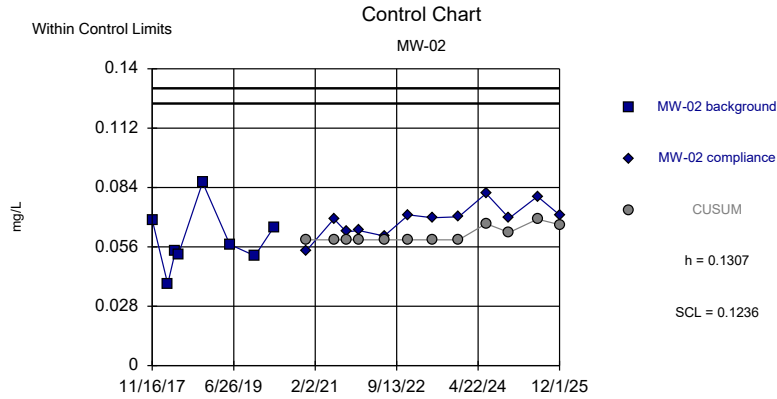
Within Control Limits

Control Chart MW-1A



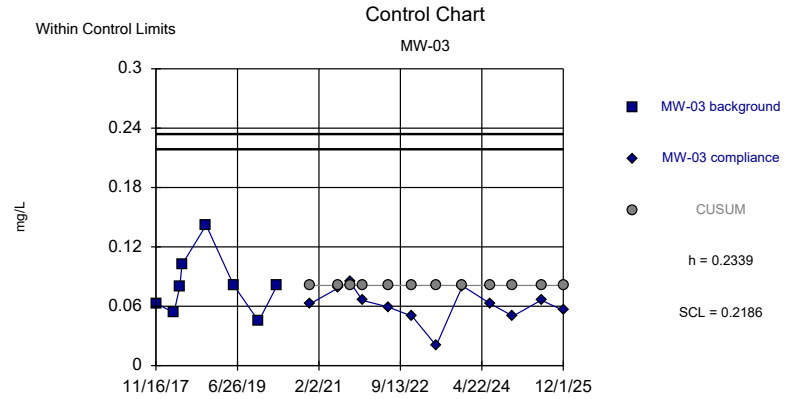
Background Data Summary: Mean=0.1333, Std. Dev.=0.07047, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8626, critical = 0.749. Report alpha = 0.01131. Dates ending 4/9/2020 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Barium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill



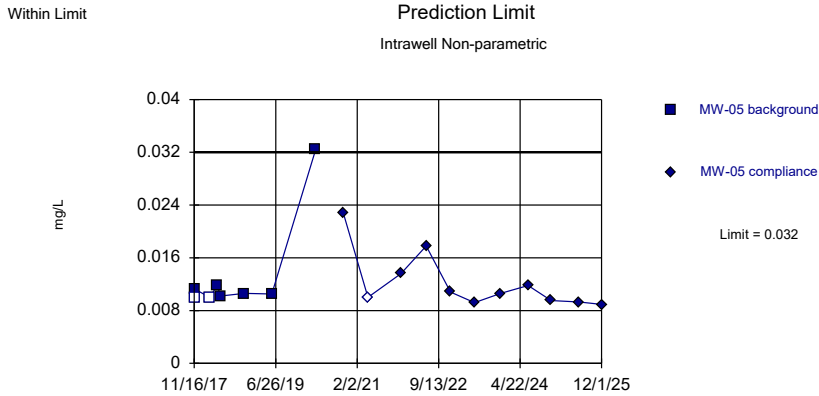
Background Data Summary: Mean=0.05931, Std. Dev.=0.01428, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9476, critical = 0.749. Report alpha = 0.01131. Dates ending 4/10/2020 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Barium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill



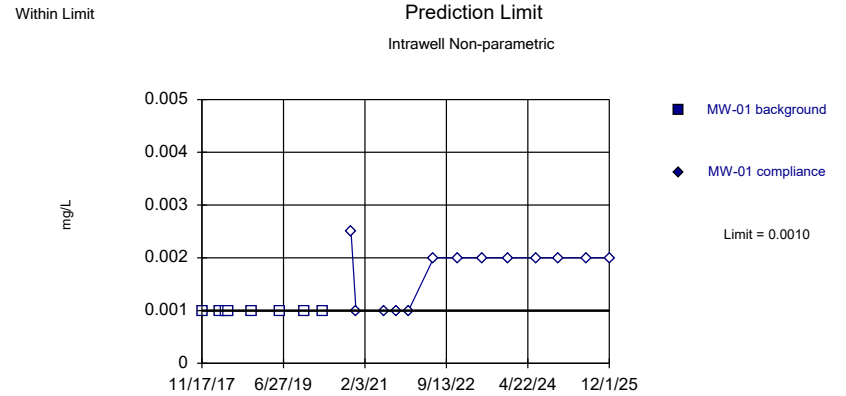
Background Data Summary: Mean=0.08101, Std. Dev.=0.03058, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9154, critical = 0.749. Report alpha = 0.01131. Dates ending 4/9/2020 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Barium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill



Non-parametric test used in lieu of control chart because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 8 background values. 25% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Barium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill



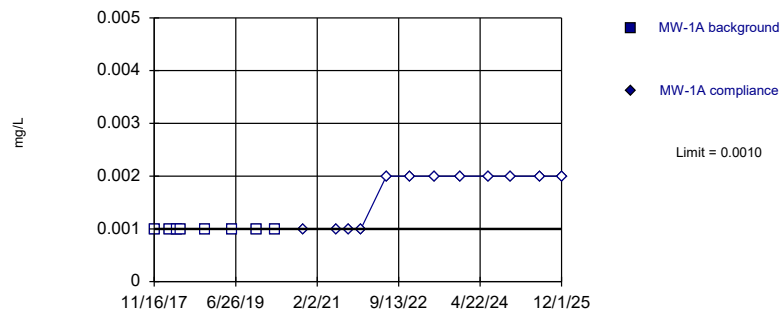
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Beryllium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit

Intrawell Non-parametric



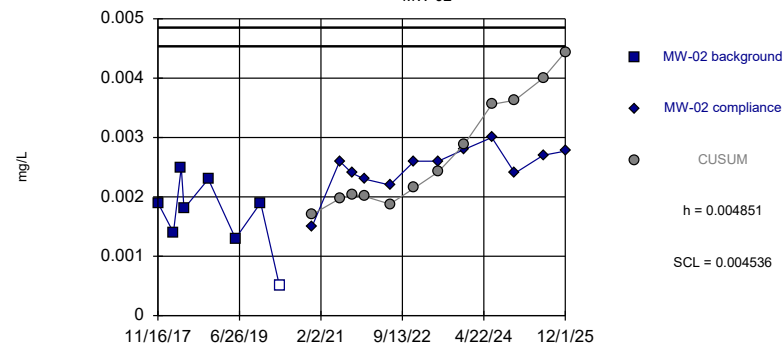
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Beryllium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Control Limits

Control Chart

MW-02



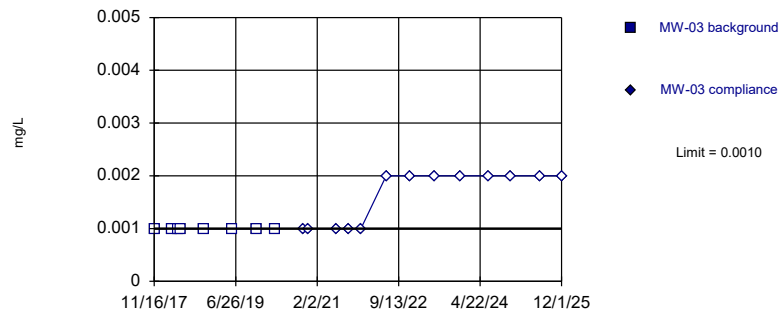
Background Data Summary: Mean=0.0017, Std. Dev.=0.0006302, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9435, critical = 0.749. Report alpha = 0.01131. Dates ending 4/10/2020 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Beryllium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit

Intrawell Non-parametric



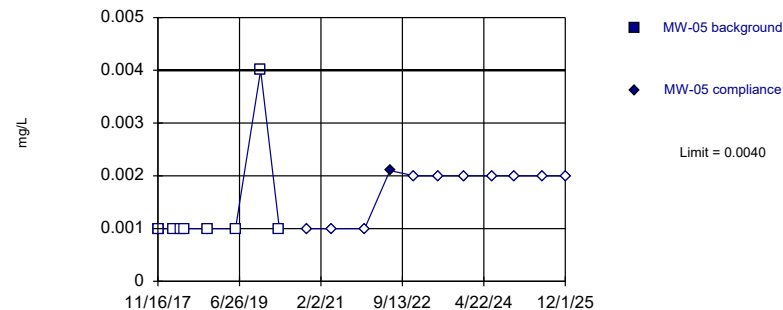
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Beryllium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit

Intrawell Non-parametric

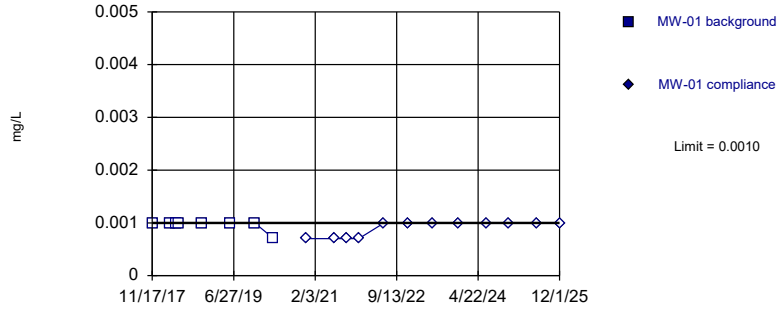


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 9 background values. 100% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

Constituent: Beryllium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

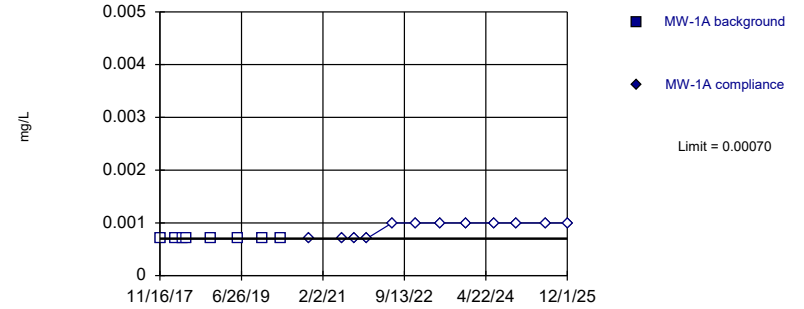


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Cadmium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

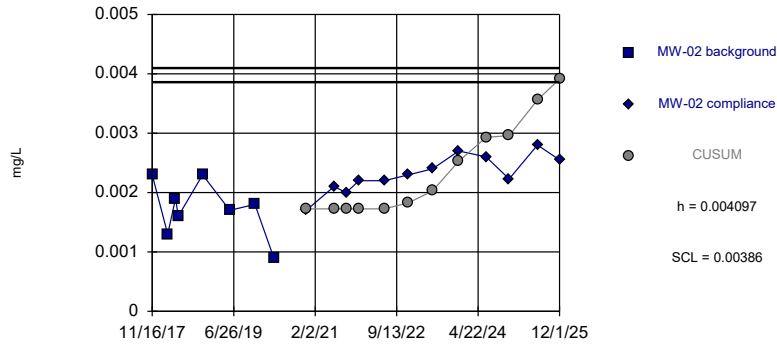


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Cadmium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Control Limits

Control Chart
MW-02

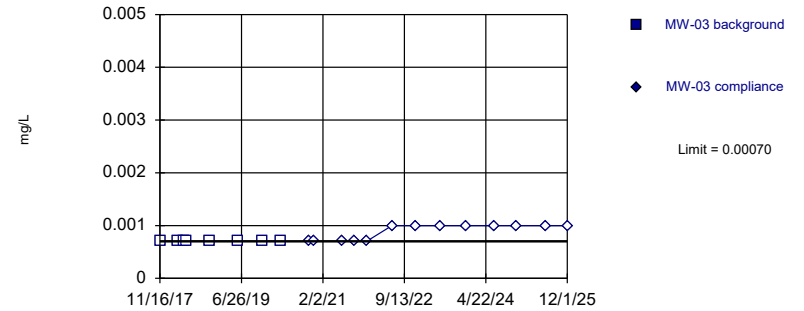


Background Data Summary: Mean=0.001725, Std. Dev.=0.0004743, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9475, critical = 0.749. Report alpha = 0.01131. Dates ending 4/10/2020 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Cadmium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

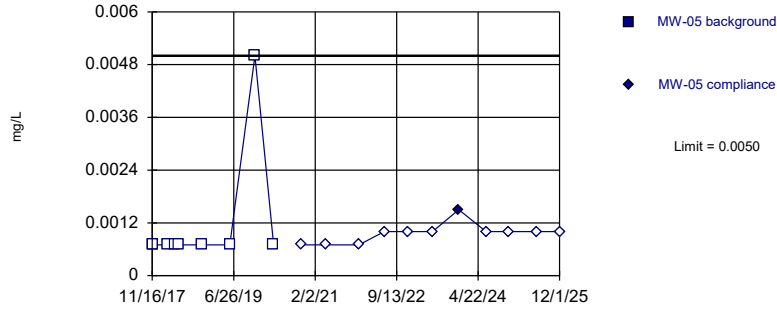


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Cadmium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

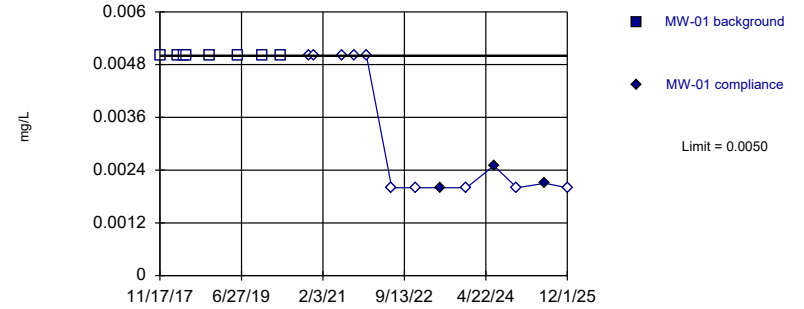


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 9 background values. 100% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

Constituent: Cadmium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

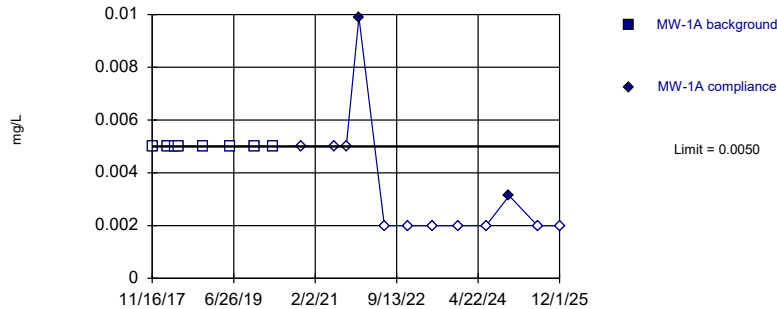


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Chromium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

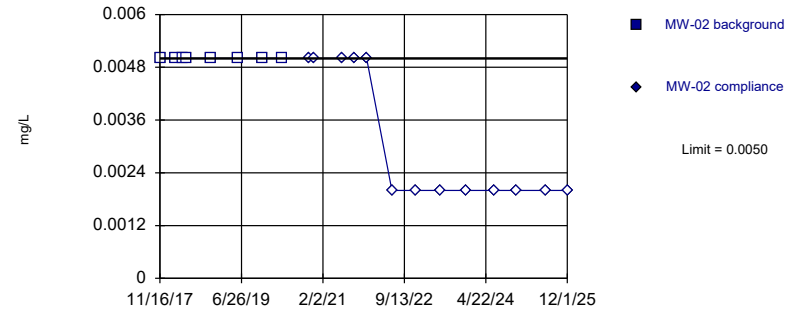


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Chromium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

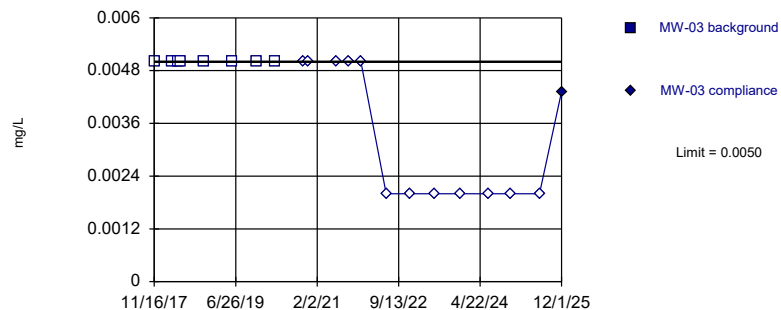


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Chromium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

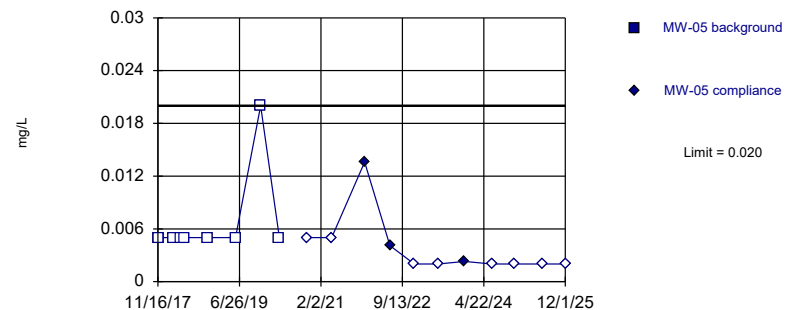


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Chromium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

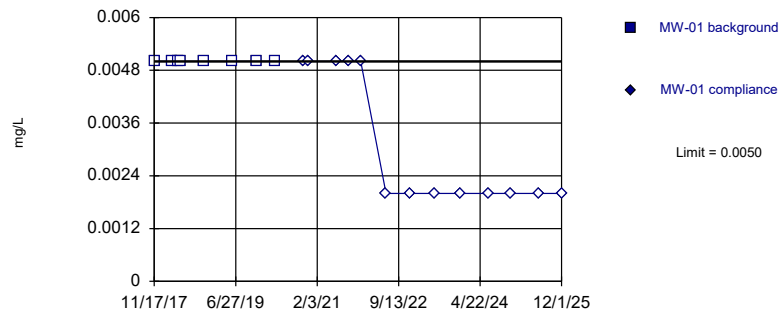


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 9 background values. 100% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

Constituent: Chromium, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

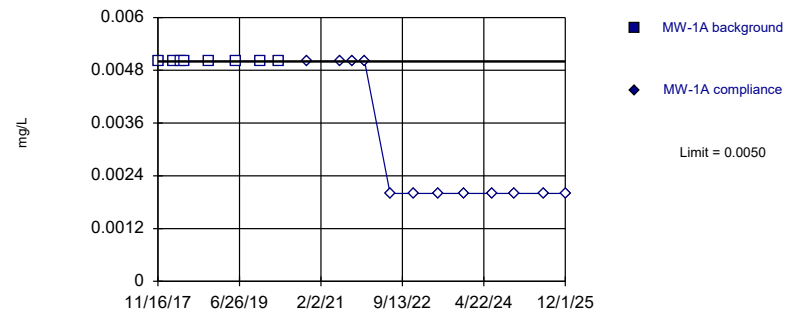


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Cobalt, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric



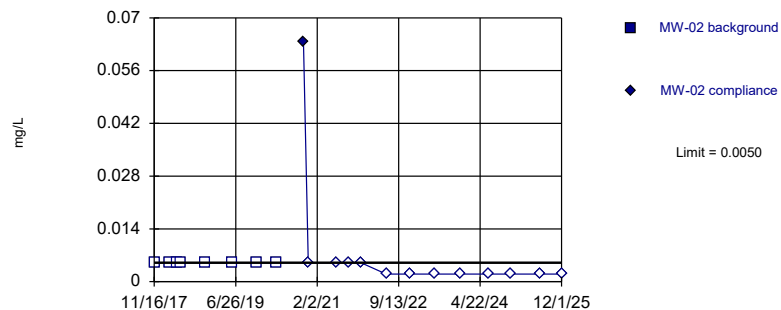
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Cobalt, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit

Intrawell Non-parametric



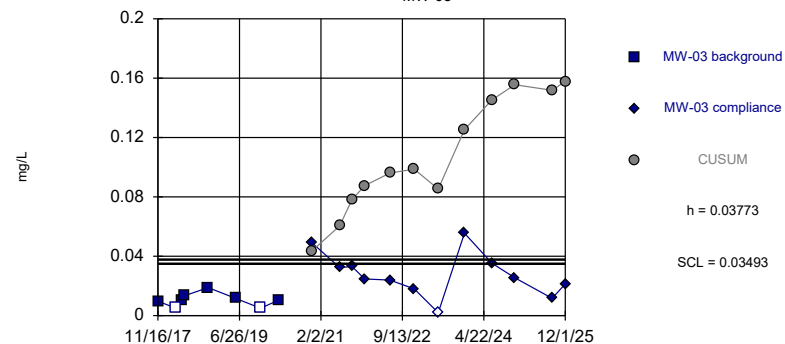
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Cobalt, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Exceeds Control Limits

Control Chart

MW-03



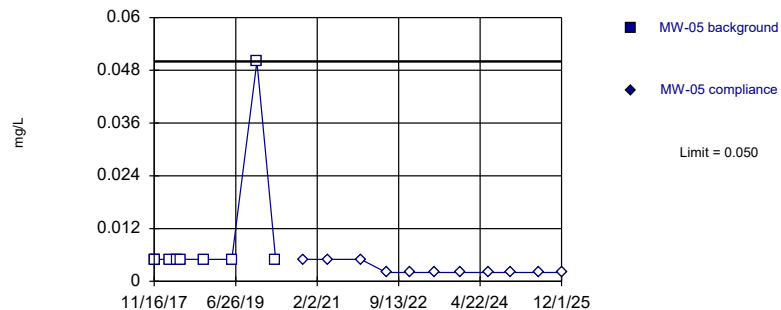
Background Data Summary (after Cohen's Adjustment): Mean=0.009802, Std. Dev.=0.005585, n=8, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9231, critical = 0.749. Report alpha = 0.01131. Dates ending 4/9/2020 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Cobalt, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit

Intrawell Non-parametric



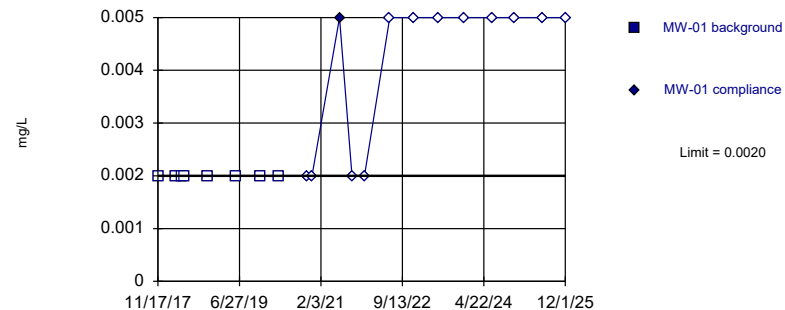
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 9 background values. 100% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

Constituent: Cobalt, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit

Intrawell Non-parametric

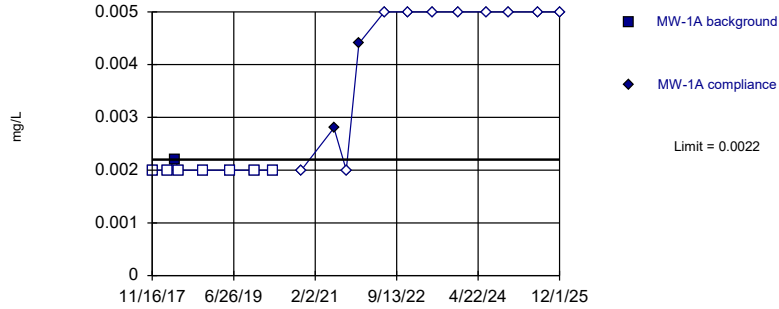


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Copper, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

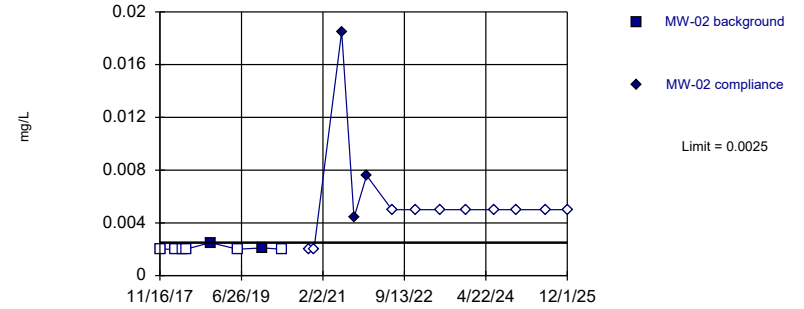


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Copper, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

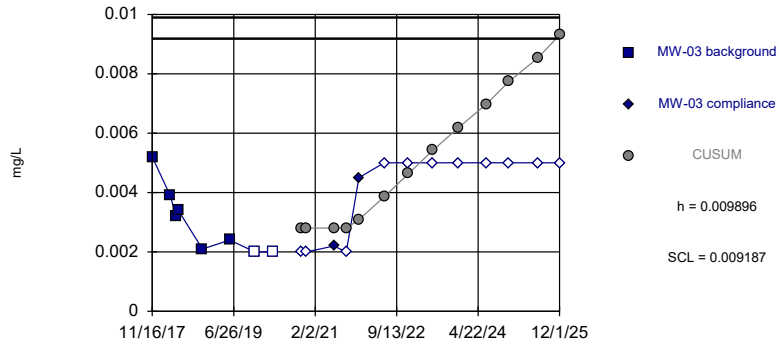


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 75% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Copper, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Control Limits

Control Chart
MW-03

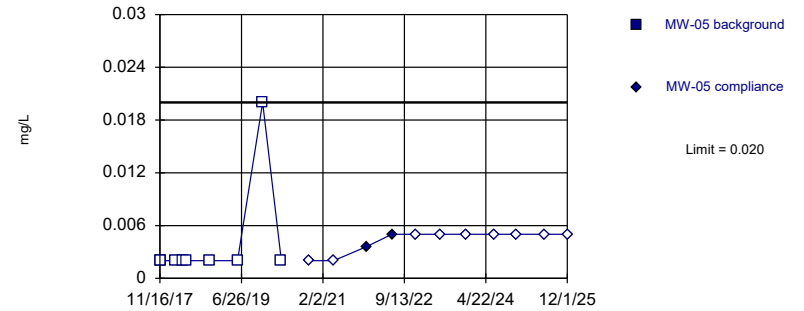


Background Data Summary (after Cohen's Adjustment): Mean=0.002804, Std. Dev.=0.001418, n=8, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8754, critical = 0.749. Report alpha = 0.012. Dates ending 4/9/2020 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Copper, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

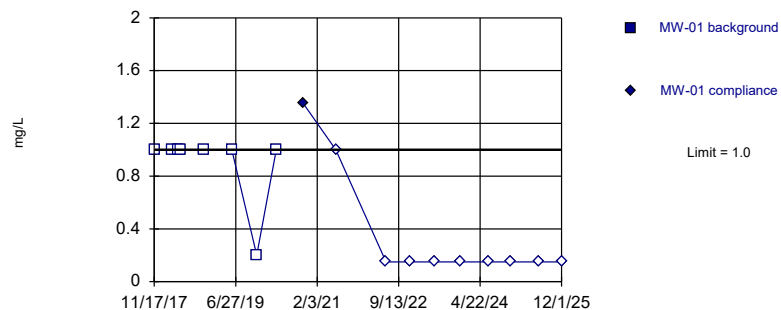


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 9 background values. 100% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

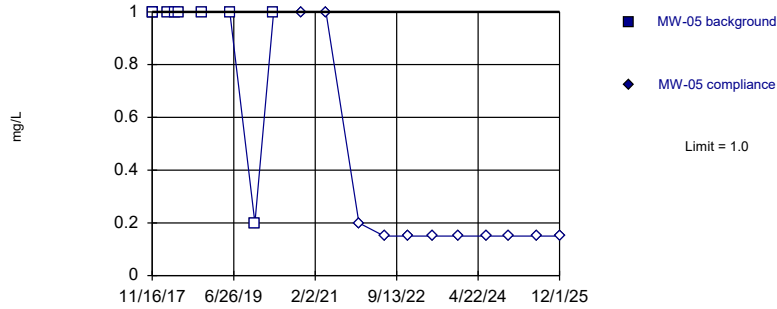
Constituent: Copper, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric



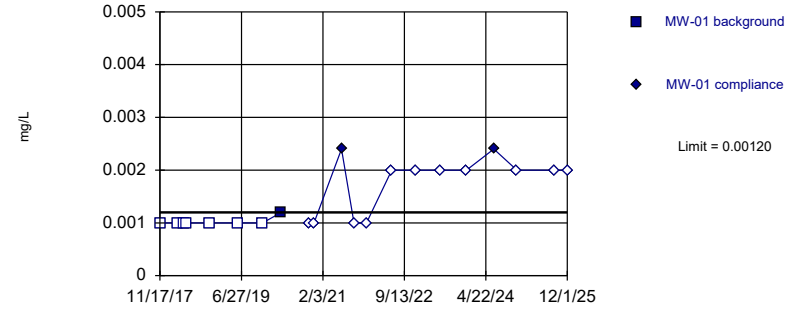
Within Limit Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 9 background values. 100% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

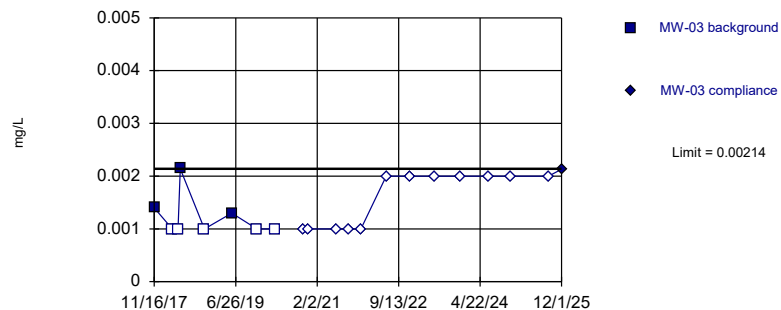
Constituent: Fluoride, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit Prediction Limit
Intrawell Non-parametric



Within Limit

Prediction Limit
Intrawell Non-parametric

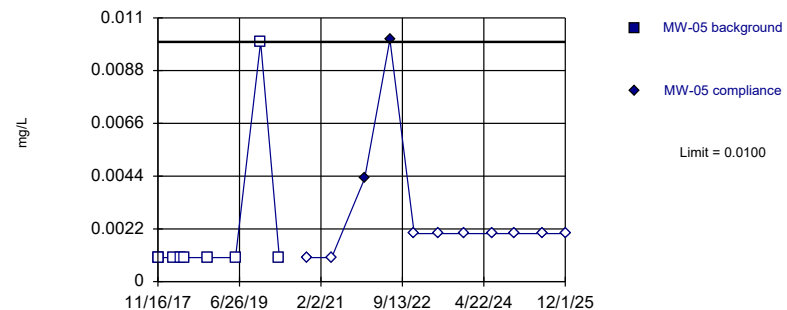


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Lead, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

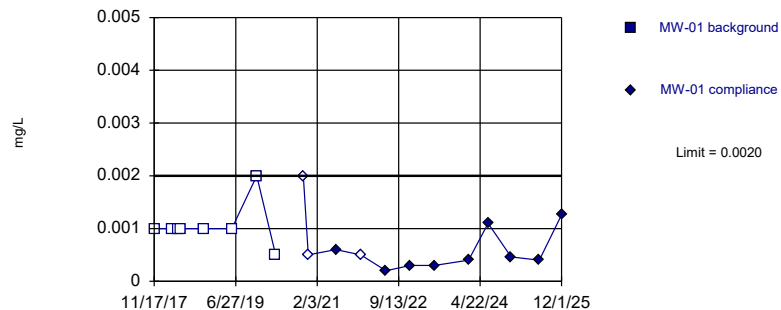


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 9 background values. 100% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

Constituent: Lead, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

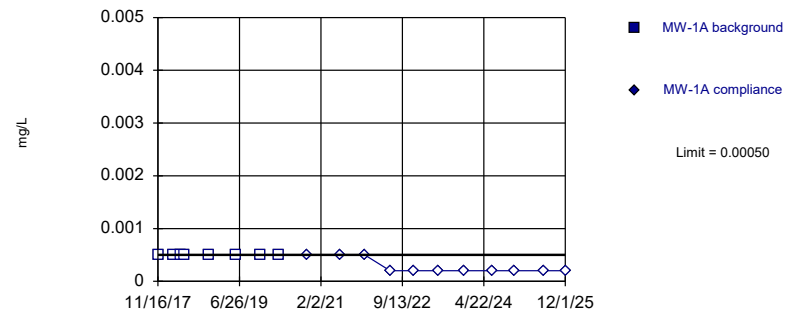


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Mercury, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

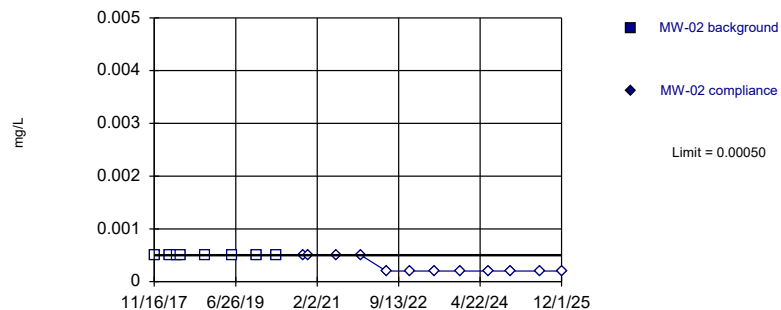


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Mercury, Total Analysis Run 1/12/2026 2:02 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

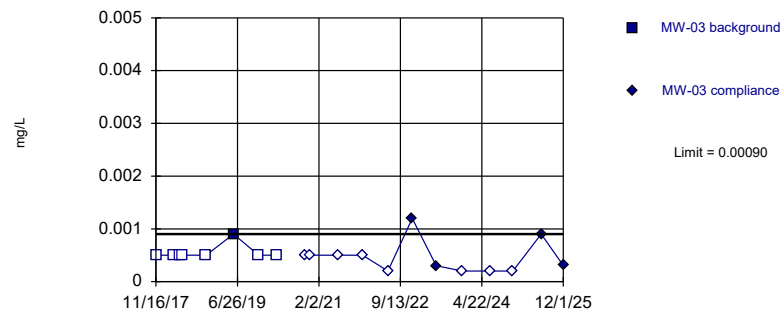


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Mercury, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

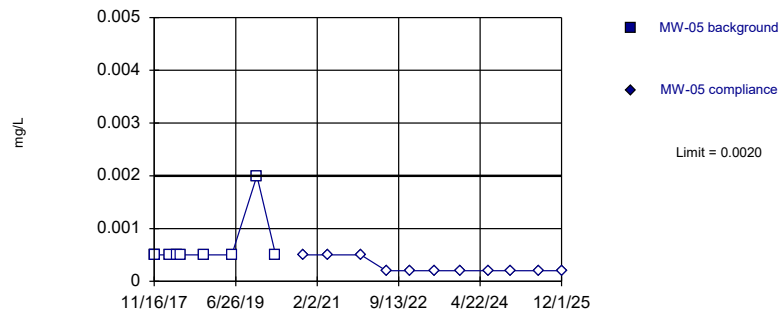


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Mercury, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

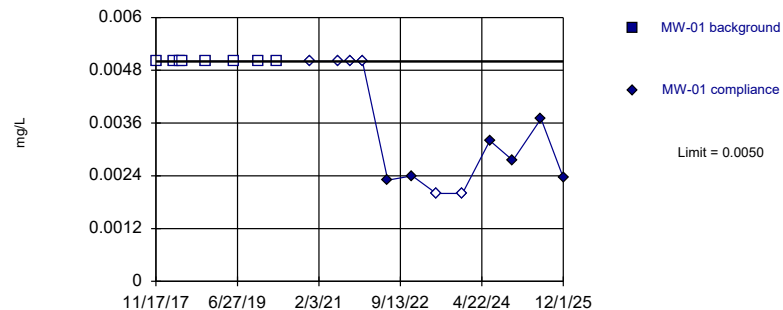


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 9 background values. 100% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

Constituent: Mercury, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

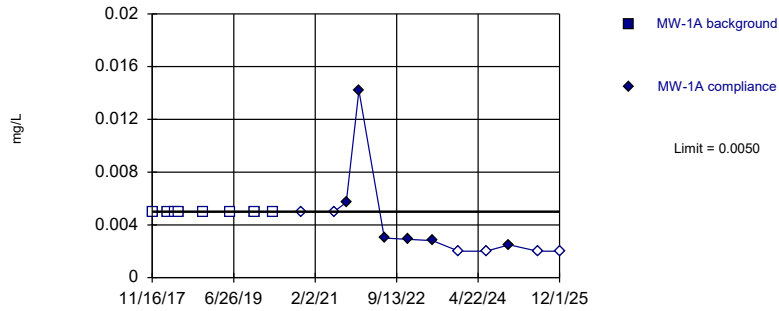


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Nickel, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

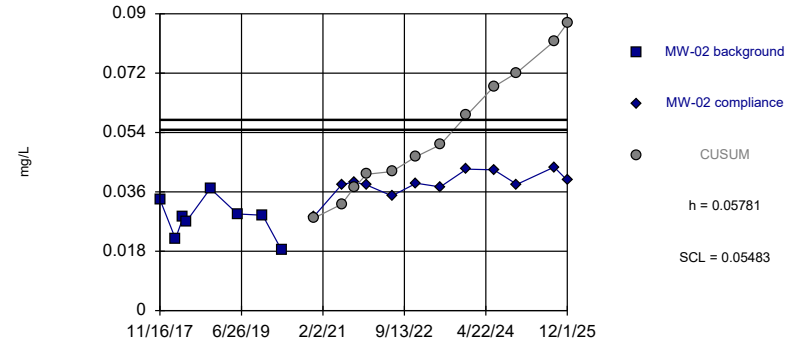


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Nickel, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Exceeds Control Limits

Control Chart
MW-02

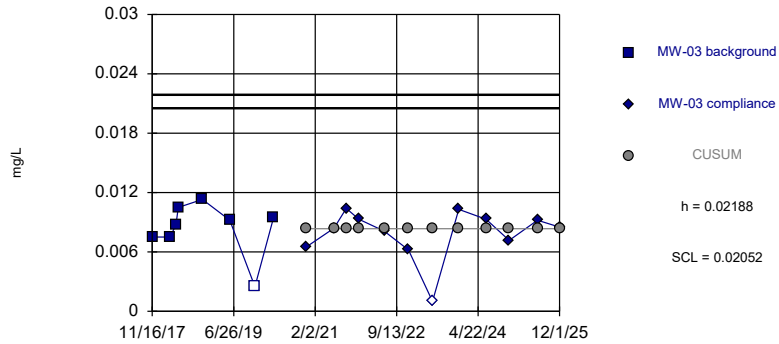


Background Data Summary: Mean=0.02805, Std. Dev.=0.005951, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.965, critical = 0.749. Report alpha = 0.01118. Dates ending 4/10/2020 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Nickel, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Control Limits

Control Chart
MW-03

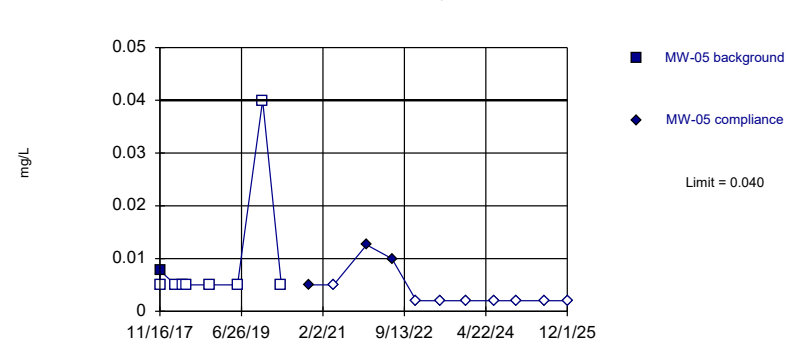


Background Data Summary: Mean=0.00835, Std. Dev.=0.002706, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.862, critical = 0.749. Report alpha = 0.01118. Dates ending 4/9/2020 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Nickel, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

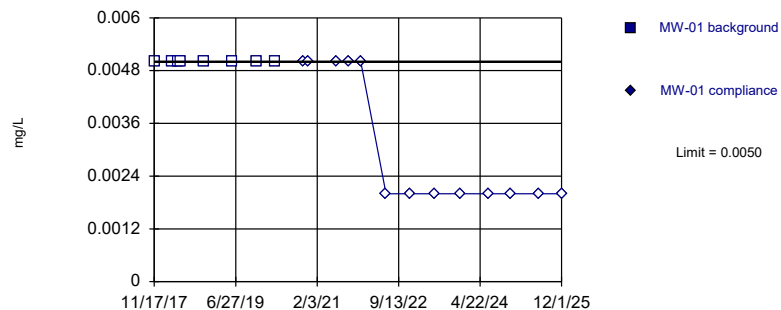


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 9 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

Constituent: Nickel, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

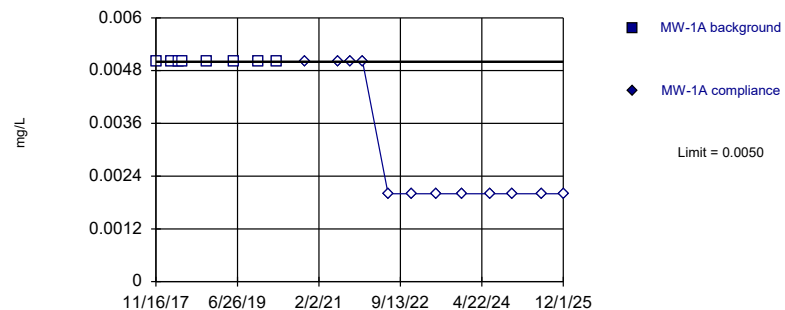


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Selenium, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

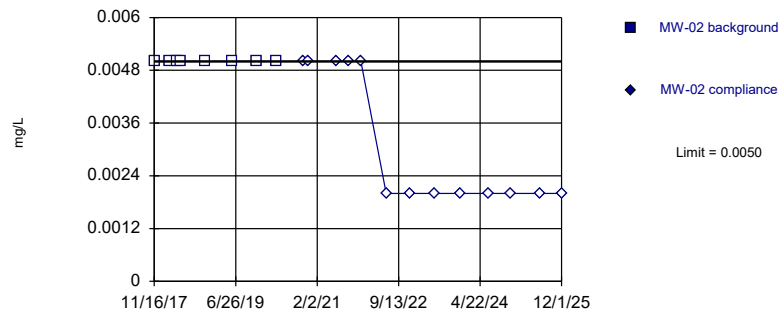


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Selenium, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

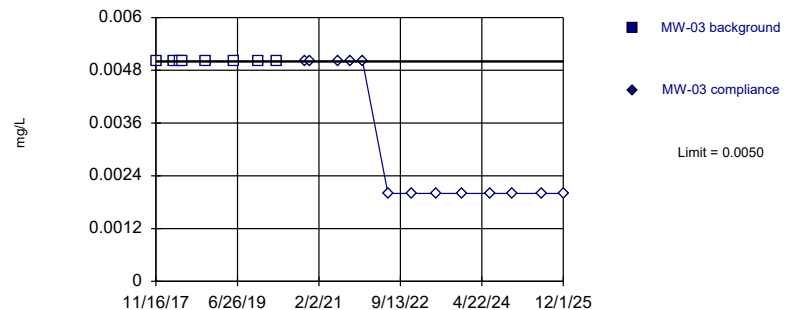


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Selenium, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

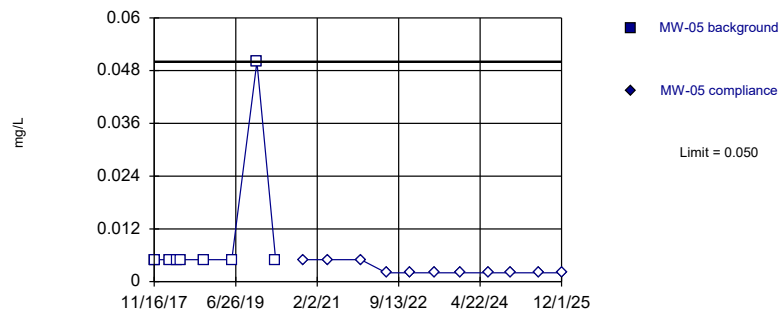


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Selenium, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

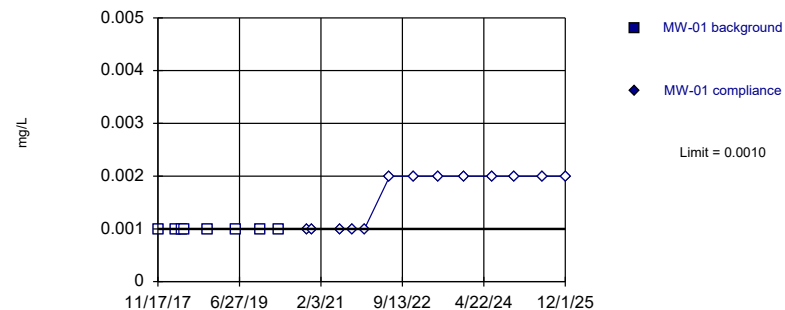


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 9 background values. 100% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

Constituent: Selenium, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

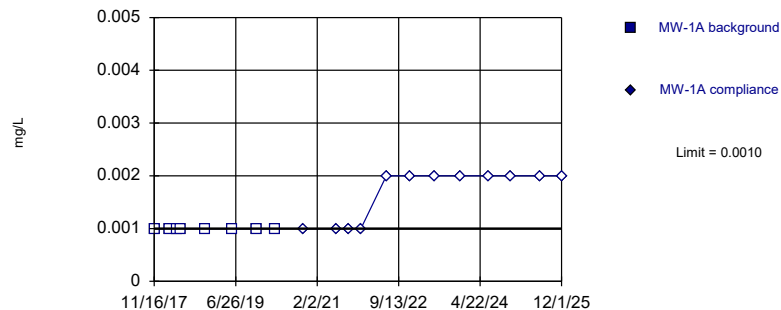


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Silver, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

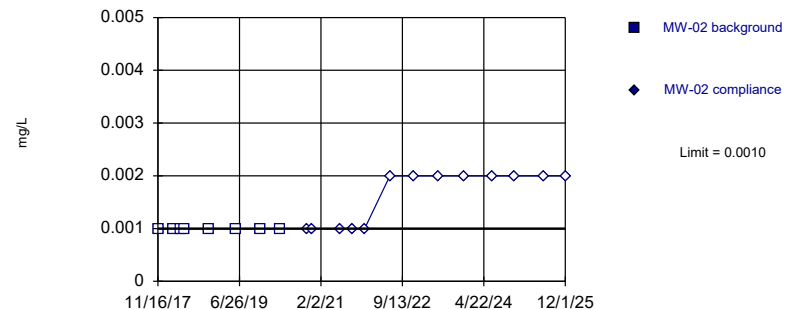


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Silver, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

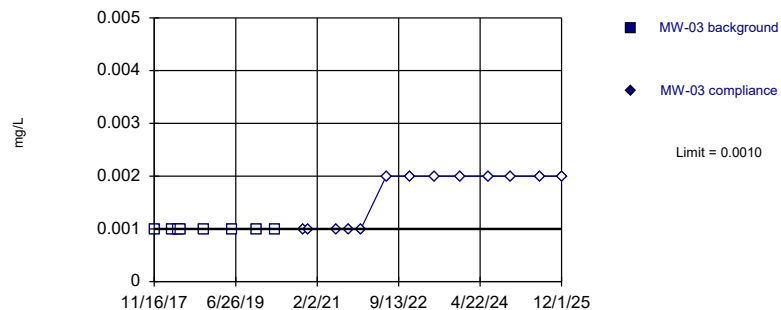


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Silver, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

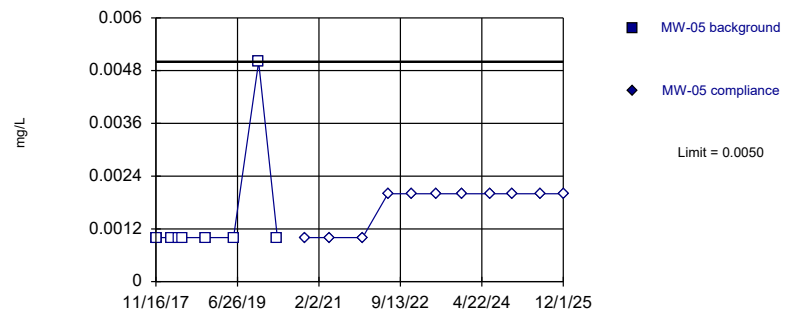


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Silver, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

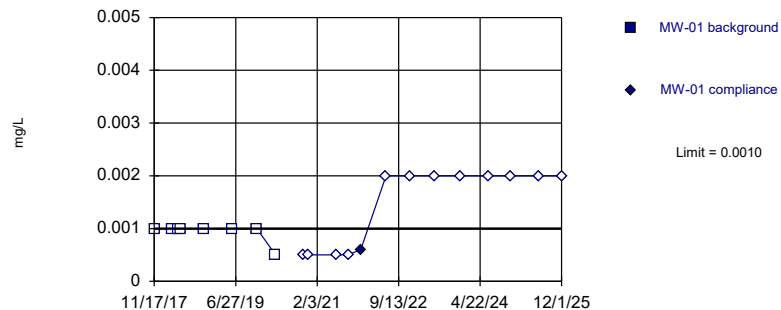


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 9 background values. 100% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

Constituent: Silver, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

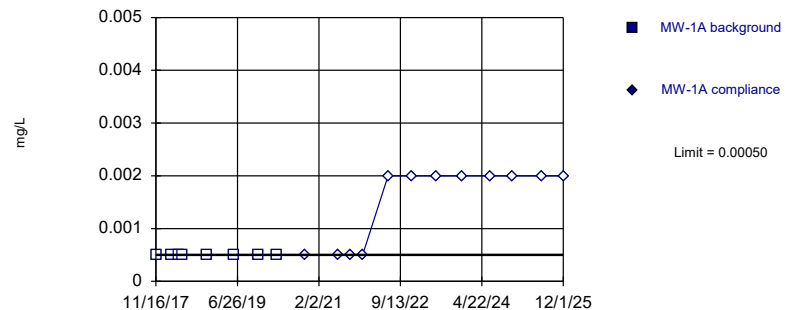


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Thallium, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

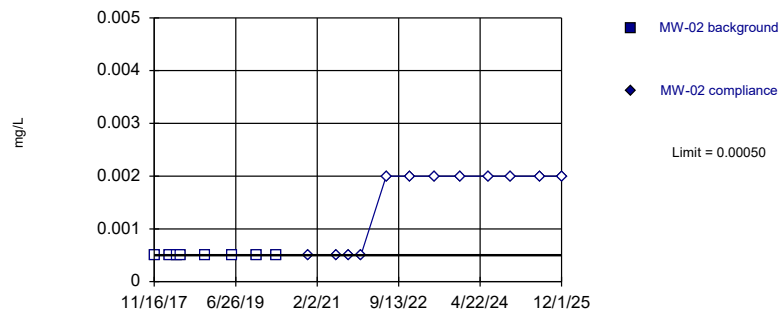


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Thallium, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

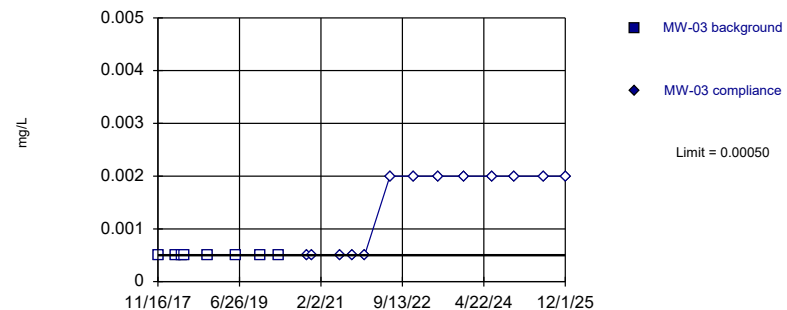


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Thallium, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

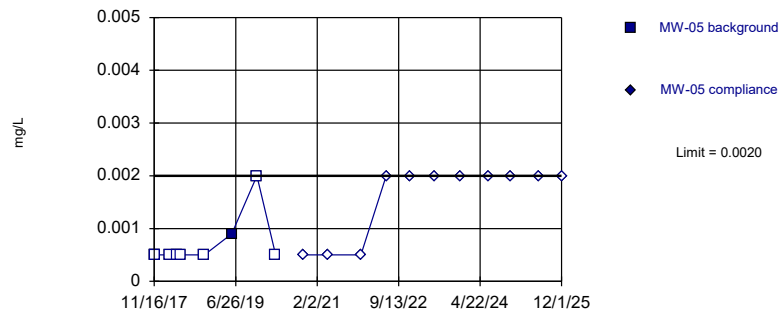


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Thallium, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

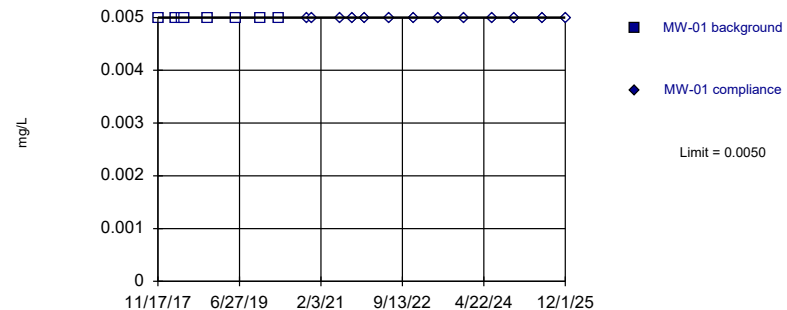


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 9 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

Constituent: Thallium, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

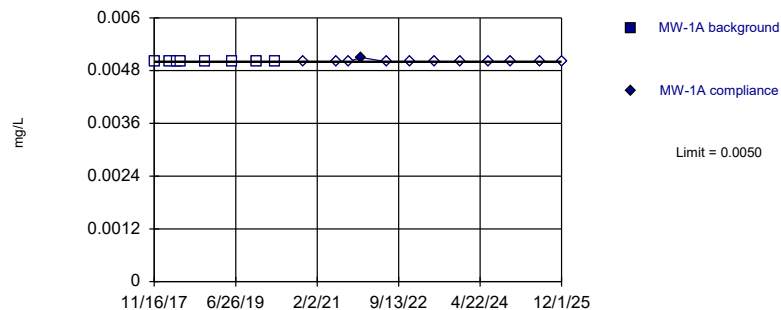


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Vanadium, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

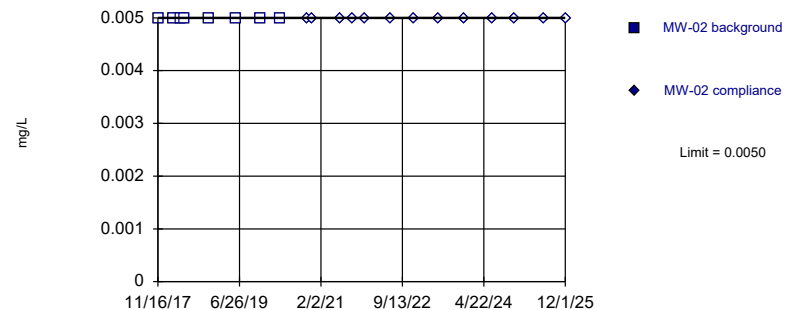


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Vanadium, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

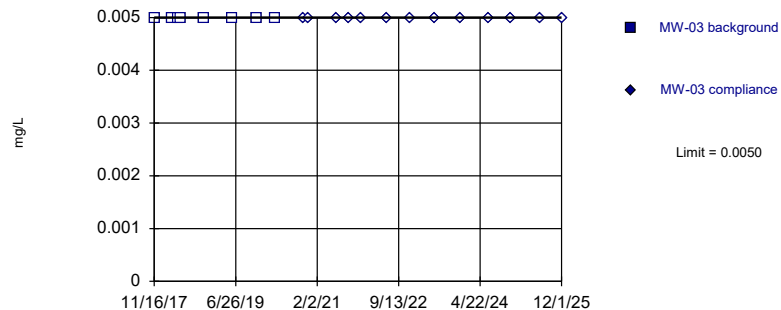


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Vanadium, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

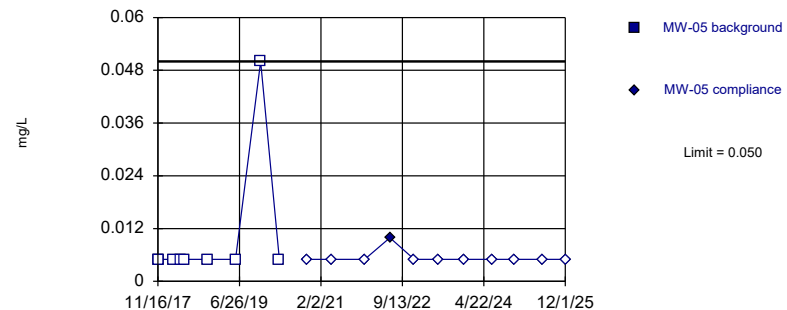


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 100% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Vanadium, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric



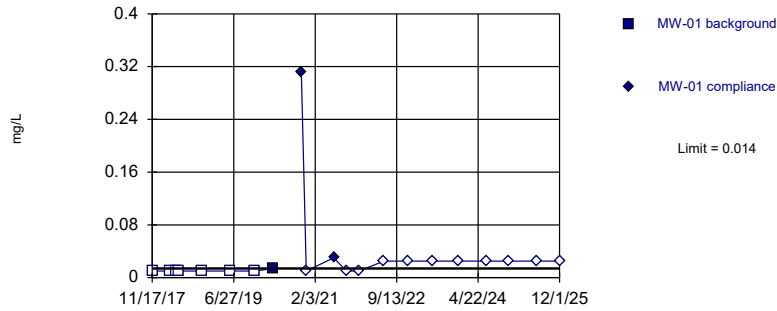
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 9 background values. 100% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

Constituent: Vanadium, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit

Intrawell Non-parametric



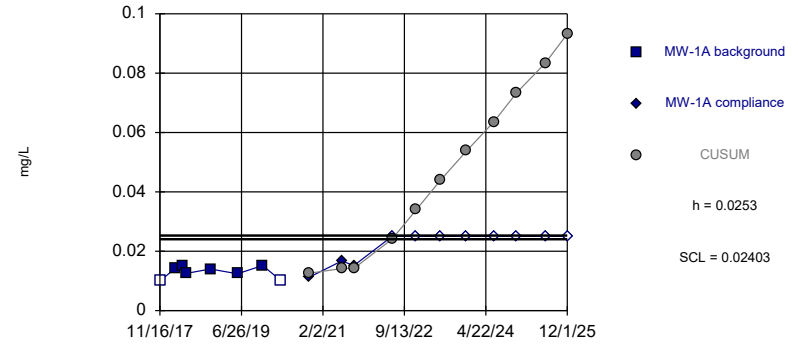
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 8 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2). Most recent point compared to limit.

Constituent: Zinc, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Control Limits

Control Chart

MW-1A



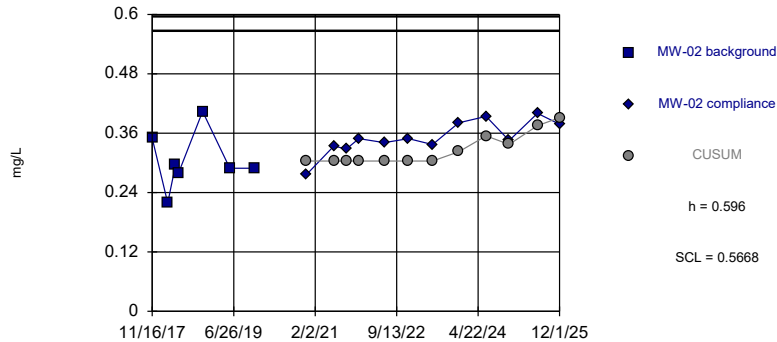
Background Data Summary (after Cohen's Adjustment): Mean=0.01258, Std. Dev.=0.002544, n=8, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8805, critical = 0.749. Report alpha = 0.01053. Dates ending 4/9/2020 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Zinc, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Control Limits

Control Chart

MW-02



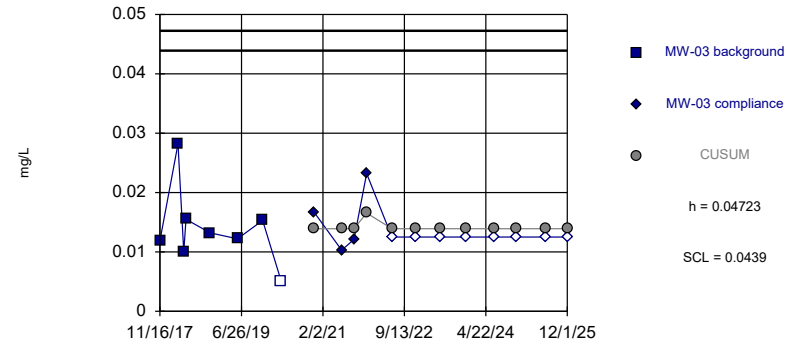
Background Data Summary: Mean=0.3036, Std. Dev.=0.05849, n=7. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9292, critical = 0.73. Report alpha = 0.01515. Dates ending 11/26/2019 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Zinc, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Control Limits

Control Chart

MW-03



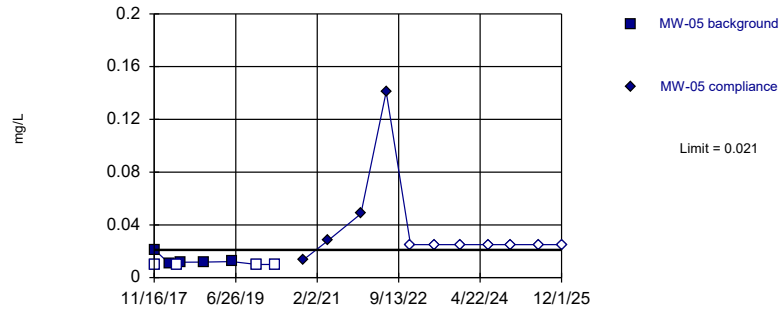
Background Data Summary: Mean=0.01391, Std. Dev.=0.006663, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8685, critical = 0.749. Report alpha = 0.01127. Dates ending 4/9/2020 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Zinc, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of control chart because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 9 background values. 44.44% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2). Most recent point compared to limit.

Constituent: Zinc, Total Analysis Run 1/12/2026 2:03 PM View: Stats Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Shewhart-Cusum Control Chart / Rank Sum

Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill Printed 1/12/2026, 2:05 PM

Constituent	Well	Sig.	h	SCL	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Method
Antimony, Total (mg/L)	MW-01	No	PL=0.0020	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Antimony, Total (mg/L)	MW-1A	No	PL=0.0015	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Antimony, Total (mg/L)	MW-02	No	PL=0.0015	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Antimony, Total (mg/L)	MW-03	No	PL=0.0015	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Antimony, Total (mg/L)	MW-05	No	PL=0.0060	n/a	9	n/a	n/a	100	None	No	NP Intra PL (NDs)
Arsenic, Total (mg/L)	MW-01	No	PL=0.0030	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Arsenic, Total (mg/L)	MW-1A	No	PL=0.0025	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Arsenic, Total (mg/L)	MW-02	No	PL=0.0025	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Arsenic, Total (mg/L)	MW-03	No	PL=0.0025	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Arsenic, Total (mg/L)	MW-05	No	PL=0.010	n/a	9	n/a	n/a	100	None	No	NP Intra PL (NDs)
Barium, Total (mg/L)	MW-01	No	0.0831	0.07574	8	-3.415	0.1855	0	None	ln(x)	Param Intra
Barium, Total (mg/L)	MW-1A	No	0.4856	0.4504	8	0.1333	0.07047	0	None	No	Param Intra
Barium, Total (mg/L)	MW-02	No	0.1307	0.1236	8	0.05931	0.01428	0	None	No	Param Intra
Barium, Total (mg/L)	MW-03	No	0.2339	0.2186	8	0.08101	0.03058	0	None	No	Param Intra
Barium, Total (mg/L)	MW-05	No	PL=0.032	n/a	8	n/a	n/a	25	None	No	NP Intra PL (normality)
Beryllium, Total (mg/L)	MW-01	No	PL=0.0010	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Beryllium, Total (mg/L)	MW-1A	No	PL=0.0010	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Beryllium, Total (mg/L)	MW-02	No	0.004851	0.004536	8	0.0017	0.0006302	12.5	None	No	Param Intra
Beryllium, Total (mg/L)	MW-03	No	PL=0.0010	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Beryllium, Total (mg/L)	MW-05	No	PL=0.0040	n/a	9	n/a	n/a	100	None	No	NP Intra PL (NDs)
Cadmium, Total (mg/L)	MW-01	No	PL=0.0010	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Cadmium, Total (mg/L)	MW-1A	No	PL=0.00070	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Cadmium, Total (mg/L)	MW-02	No	0.004097	0.00386	8	0.001725	0.0004743	0	None	No	Param Intra
Cadmium, Total (mg/L)	MW-03	No	PL=0.00070	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Cadmium, Total (mg/L)	MW-05	No	PL=0.0050	n/a	9	n/a	n/a	100	None	No	NP Intra PL (NDs)
Chromium, Total (mg/L)	MW-01	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Chromium, Total (mg/L)	MW-1A	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Chromium, Total (mg/L)	MW-02	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Chromium, Total (mg/L)	MW-03	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Chromium, Total (mg/L)	MW-05	No	PL=0.020	n/a	9	n/a	n/a	100	None	No	NP Intra PL (NDs)
Cobalt, Total (mg/L)	MW-01	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Cobalt, Total (mg/L)	MW-1A	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Cobalt, Total (mg/L)	MW-02	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Cobalt, Total (mg/L)	MW-03	Yes	0.03773	0.03493	8	0.009802	0.005585	25	Cohen's	No	Param Intra
Cobalt, Total (mg/L)	MW-05	No	PL=0.050	n/a	9	n/a	n/a	100	None	No	NP Intra PL (NDs)
Copper, Total (mg/L)	MW-01	No	PL=0.0020	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Copper, Total (mg/L)	MW-1A	No	PL=0.0022	n/a	8	n/a	n/a	87.5	None	No	NP Intra PL (NDs)
Copper, Total (mg/L)	MW-02	No	PL=0.0025	n/a	8	n/a	n/a	75	None	No	NP Intra PL (NDs)
Copper, Total (mg/L)	MW-03	No	0.009896	0.009187	8	0.002804	0.001418	25	Cohen's	No	Param Intra
Copper, Total (mg/L)	MW-05	No	PL=0.020	n/a	9	n/a	n/a	100	None	No	NP Intra PL (NDs)
Fluoride, Total (mg/L)	MW-01	No	PL=1.0	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Fluoride, Total (mg/L)	MW-1A	No	PL=1.0	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Fluoride, Total (mg/L)	MW-02	No	PL=1.0	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Fluoride, Total (mg/L)	MW-03	No	PL=1.0	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Fluoride, Total (mg/L)	MW-05	No	PL=1.0	n/a	9	n/a	n/a	100	None	No	NP Intra PL (NDs)
Lead, Total (mg/L)	MW-01	No	PL=0.00120	n/a	8	n/a	n/a	87.5	None	No	NP Intra PL (NDs)
Lead, Total (mg/L)	MW-1A	No	PL=0.00140	n/a	8	n/a	n/a	87.5	None	No	NP Intra PL (NDs)
Lead, Total (mg/L)	MW-02	No	PL=0.00100	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Lead, Total (mg/L)	MW-03	No	PL=0.00214	n/a	8	n/a	n/a	62.5	None	No	NP Intra PL (NDs)
Lead, Total (mg/L)	MW-05	No	PL=0.0100	n/a	9	n/a	n/a	100	None	No	NP Intra PL (NDs)
Mercury, Total (mg/L)	MW-01	No	PL=0.0020	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Mercury, Total (mg/L)	MW-1A	No	PL=0.00050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Mercury, Total (mg/L)	MW-02	No	PL=0.00050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Mercury, Total (mg/L)	MW-03	No	PL=0.00090	n/a	8	n/a	n/a	87.5	None	No	NP Intra PL (NDs)
Mercury, Total (mg/L)	MW-05	No	PL=0.0020	n/a	9	n/a	n/a	100	None	No	NP Intra PL (NDs)
Nickel, Total (mg/L)	MW-01	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)

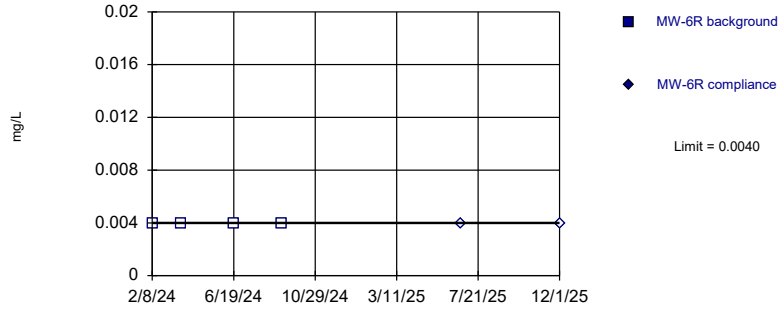
Shewhart-Cusum Control Chart / Rank Sum

Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill Printed 1/12/2026, 2:05 PM

<u>Constituent</u>	<u>Well</u>	<u>Sig.</u>	<u>h</u>	<u>SCL</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Method</u>
Nickel, Total (mg/L)	MW-1A	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Nickel, Total (mg/L)	MW-02	Yes	0.05781	0.05483	8	0.02805	0.005951	0	None	No	Param Intra
Nickel, Total (mg/L)	MW-03	No	0.02188	0.02052	8	0.00835	0.002706	12.5	None	No	Param Intra
Nickel, Total (mg/L)	MW-05	No	PL=0.040	n/a	9	n/a	n/a	88.89	None	No	NP Intra PL (NDs)
Selenium, Total (mg/L)	MW-01	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Selenium, Total (mg/L)	MW-1A	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Selenium, Total (mg/L)	MW-02	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Selenium, Total (mg/L)	MW-03	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Selenium, Total (mg/L)	MW-05	No	PL=0.050	n/a	9	n/a	n/a	100	None	No	NP Intra PL (NDs)
Silver, Total (mg/L)	MW-01	No	PL=0.0010	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Silver, Total (mg/L)	MW-1A	No	PL=0.0010	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Silver, Total (mg/L)	MW-02	No	PL=0.0010	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Silver, Total (mg/L)	MW-03	No	PL=0.0010	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Silver, Total (mg/L)	MW-05	No	PL=0.0050	n/a	9	n/a	n/a	100	None	No	NP Intra PL (NDs)
Thallium, Total (mg/L)	MW-01	No	PL=0.0010	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Thallium, Total (mg/L)	MW-1A	No	PL=0.00050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Thallium, Total (mg/L)	MW-02	No	PL=0.00050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Thallium, Total (mg/L)	MW-03	No	PL=0.00050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Thallium, Total (mg/L)	MW-05	No	PL=0.0020	n/a	9	n/a	n/a	88.89	None	No	NP Intra PL (NDs)
Vanadium, Total (mg/L)	MW-01	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Vanadium, Total (mg/L)	MW-1A	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Vanadium, Total (mg/L)	MW-02	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Vanadium, Total (mg/L)	MW-03	No	PL=0.0050	n/a	8	n/a	n/a	100	None	No	NP Intra PL (NDs)
Vanadium, Total (mg/L)	MW-05	No	PL=0.050	n/a	9	n/a	n/a	100	None	No	NP Intra PL (NDs)
Zinc, Total (mg/L)	MW-01	No	PL=0.014	n/a	8	n/a	n/a	87.5	None	No	NP Intra PL (NDs)
Zinc, Total (mg/L)	MW-1A	No	0.0253	0.02403	8	0.01258	0.002544	25	Cohen's	No	Param Intra
Zinc, Total (mg/L)	MW-02	No	0.596	0.5668	7	0.3036	0.05849	0	None	No	Param Intra
Zinc, Total (mg/L)	MW-03	No	0.04723	0.0439	8	0.01391	0.006663	12.5	None	No	Param Intra
Zinc, Total (mg/L)	MW-05	No	PL=0.021	n/a	9	n/a	n/a	44.44	None	No	NP Intra PL (normality)

Within Limit

Prediction Limit Intrawell Non-parametric

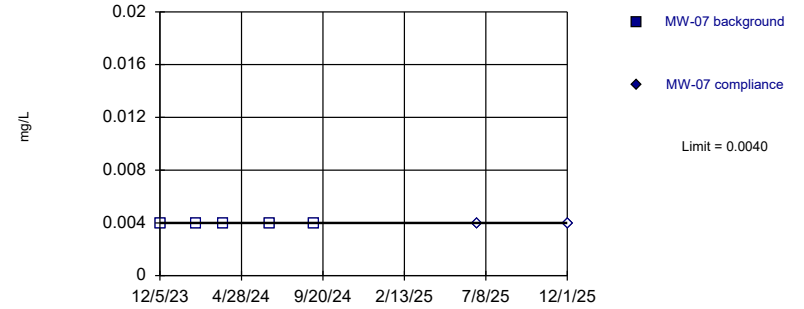


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 4 background values. 100% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2). Most recent point compared to limit.

Constituent: Antimony, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

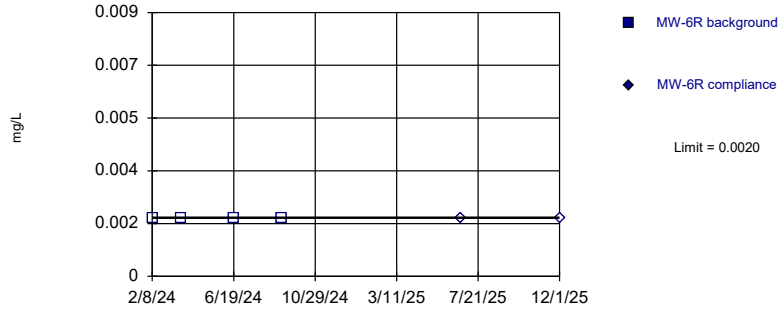


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 5 background values. 100% NDs. Well-constituent pair annual alpha = 0.09284. Individual comparison alpha = 0.04755 (1 of 2). Most recent point compared to limit.

Constituent: Antimony, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

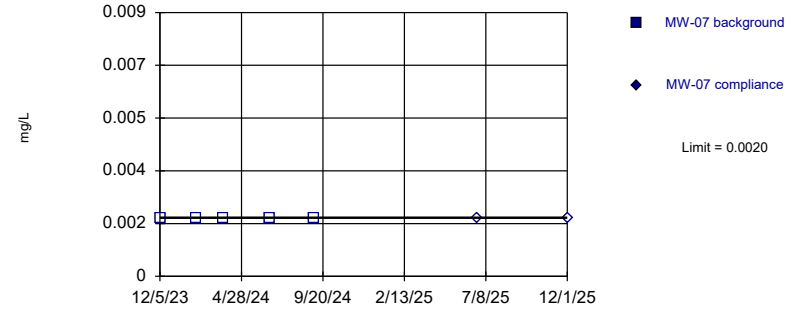


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 4 background values. 100% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2). Most recent point compared to limit.

Constituent: Arsenic, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

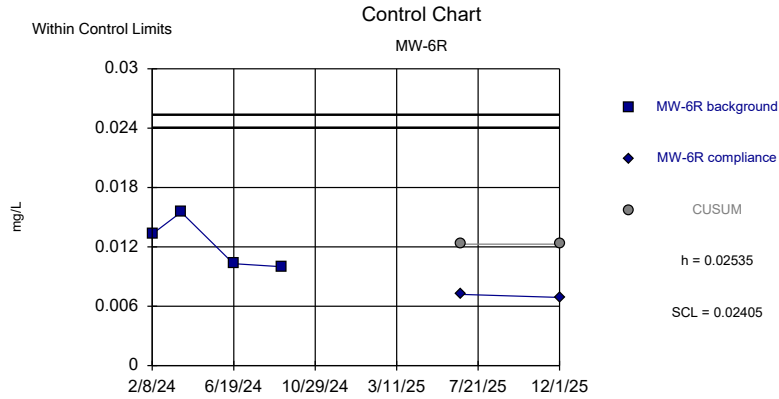
Within Limit

Prediction Limit Intrawell Non-parametric



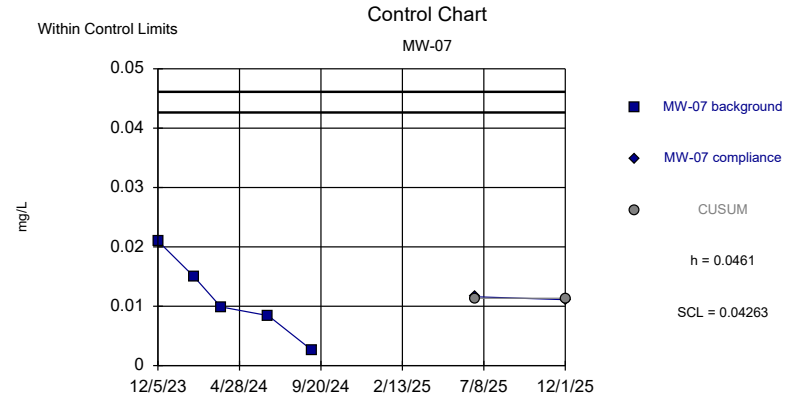
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 5 background values. 100% NDs. Well-constituent pair annual alpha = 0.09284. Individual comparison alpha = 0.04755 (1 of 2). Most recent point compared to limit.

Constituent: Arsenic, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill



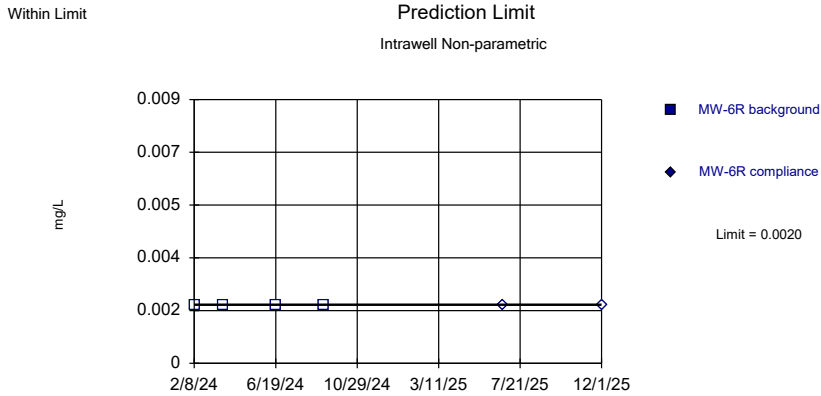
Background Data Summary: Mean=0.01228, Std. Dev.=0.002616, n=4. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8935, critical = 0.687. Report alpha = 0.01721. Dates ending 9/5/2024 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Barium, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill



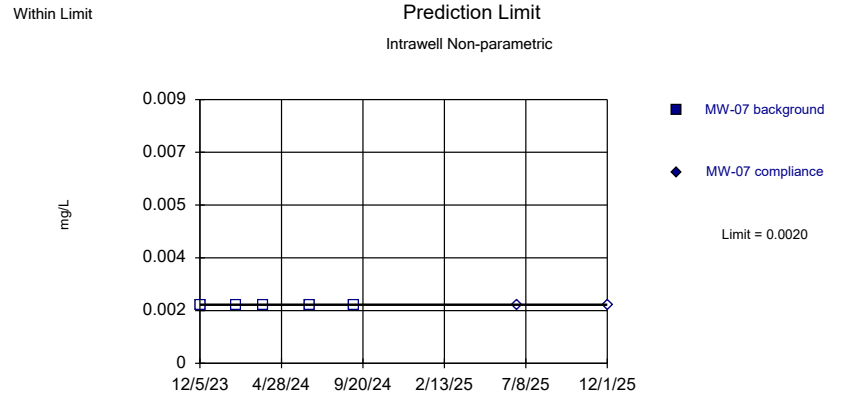
Background Data Summary: Mean=0.01136, Std. Dev.=0.006948, n=5. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9858, critical = 0.686. Report alpha = 0.009534. Dates ending 9/5/2024 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Barium, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill



Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 4 background values. 100% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2). Most recent point compared to limit.

Constituent: Beryllium, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

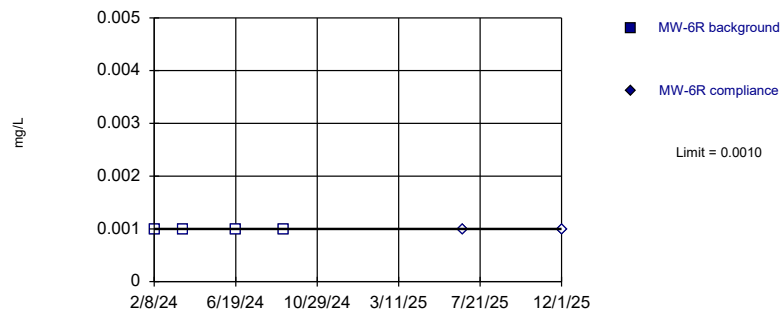


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 5 background values. 100% NDs. Well-constituent pair annual alpha = 0.09284. Individual comparison alpha = 0.04755 (1 of 2). Most recent point compared to limit.

Constituent: Beryllium, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

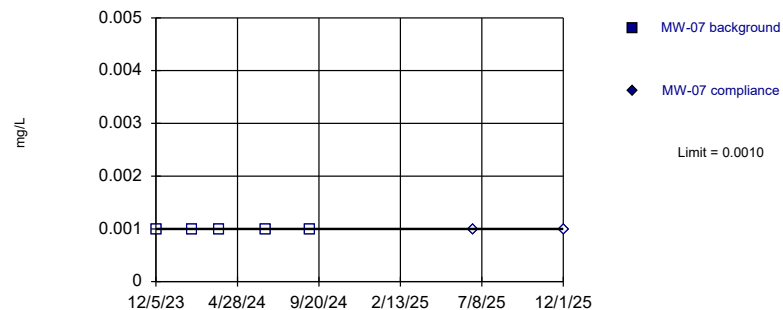


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 4 background values. 100% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2). Most recent point compared to limit.

Constituent: Cadmium, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

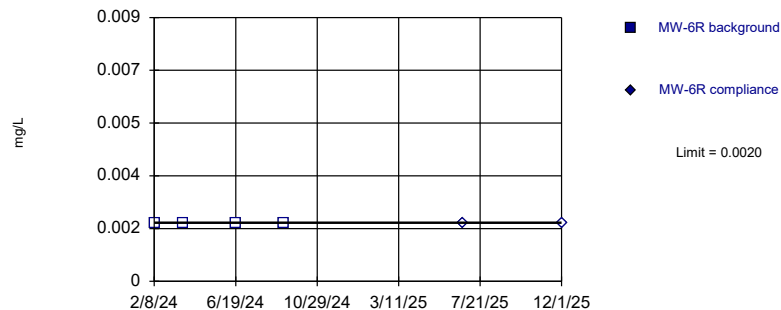


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 5 background values. 100% NDs. Well-constituent pair annual alpha = 0.09284. Individual comparison alpha = 0.04755 (1 of 2). Most recent point compared to limit.

Constituent: Cadmium, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

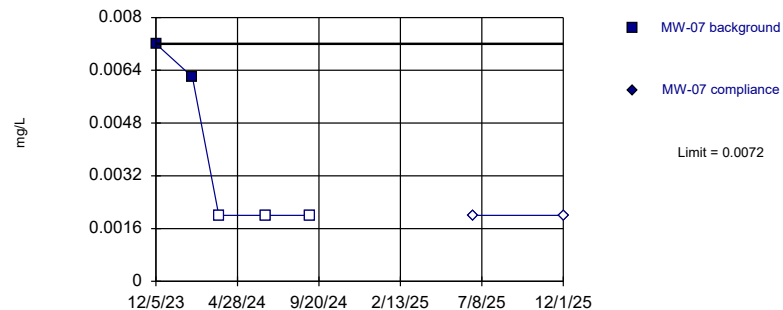


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 4 background values. 100% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2). Most recent point compared to limit.

Constituent: Chromium, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

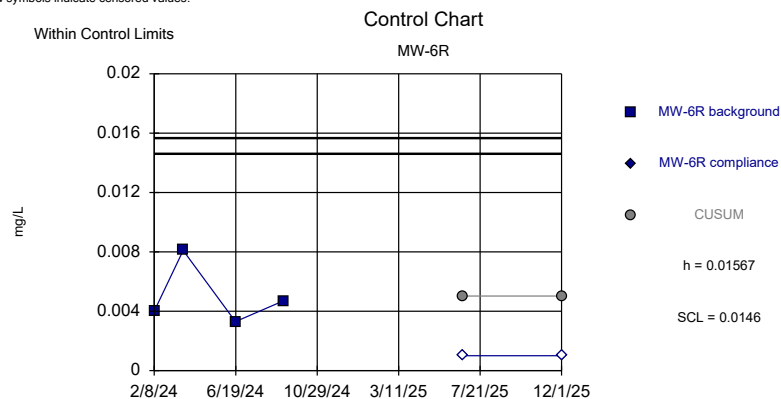
Within Limit

Prediction Limit
Intrawell Non-parametric



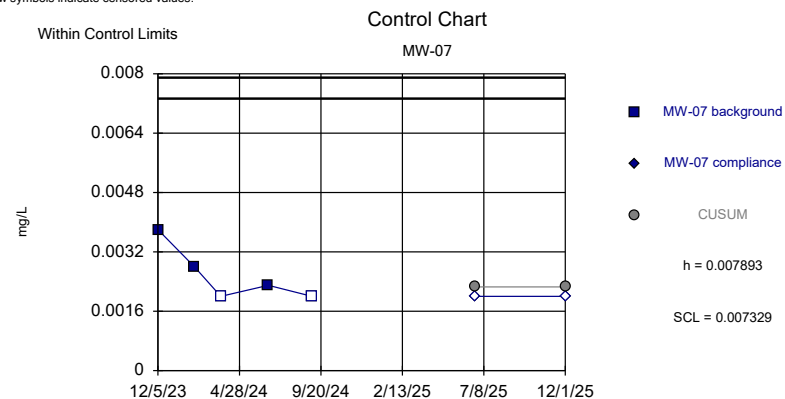
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 5 background values. 60% NDs. Well-constituent pair annual alpha = 0.09284. Individual comparison alpha = 0.04755 (1 of 2). Most recent point compared to limit.

Constituent: Chromium, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill



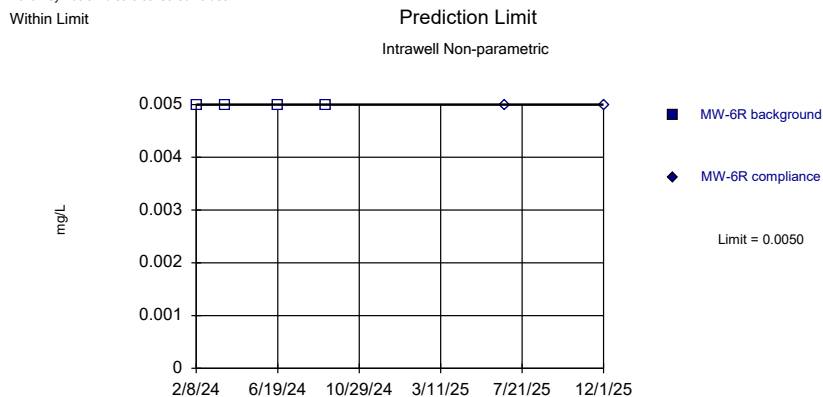
Background Data Summary: Mean=0.005025, Std. Dev.=0.002128, n=4. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8588, critical = 0.687. Report alpha = 0.01713. Dates ending 9/5/2024 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Cobalt, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill



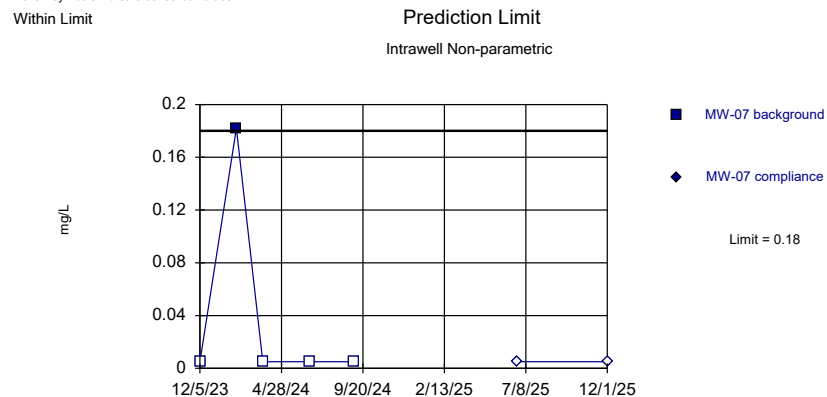
Background Data Summary (after Cohen's Adjustment): Mean=0.002255, Std. Dev.=0.001128, n=5, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8436, critical = 0.686. Report alpha = 0.009364. Dates ending 9/5/2024 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Cobalt, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill



Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 4 background values. 100% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2). Most recent point compared to limit.

Constituent: Copper, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

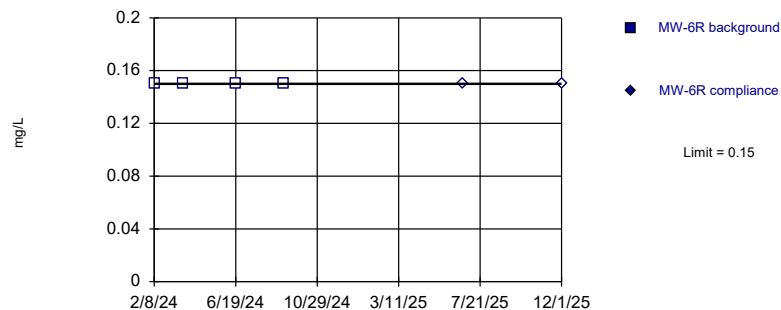


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 5 background values. 80% NDs. Well-constituent pair annual alpha = 0.09284. Individual comparison alpha = 0.04755 (1 of 2). Most recent point compared to limit.

Constituent: Copper, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

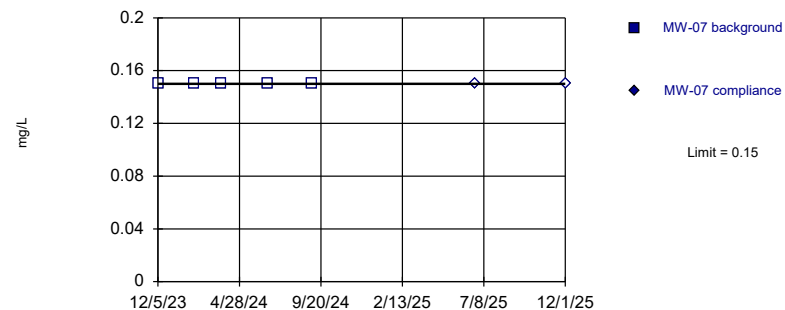


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 4 background values. 100% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2). Most recent point compared to limit.

Constituent: Fluoride, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

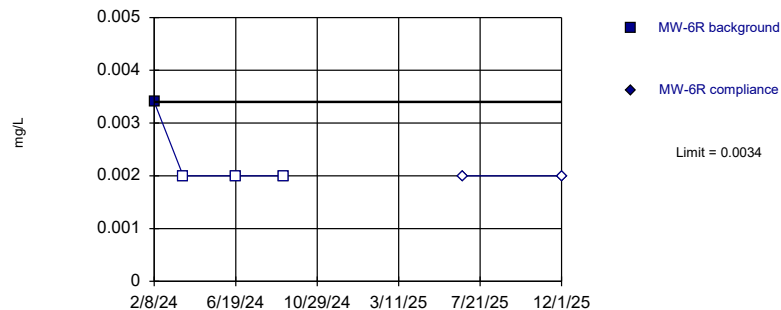


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 5 background values. 100% NDs. Well-constituent pair annual alpha = 0.09284. Individual comparison alpha = 0.04755 (1 of 2). Most recent point compared to limit.

Constituent: Fluoride, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

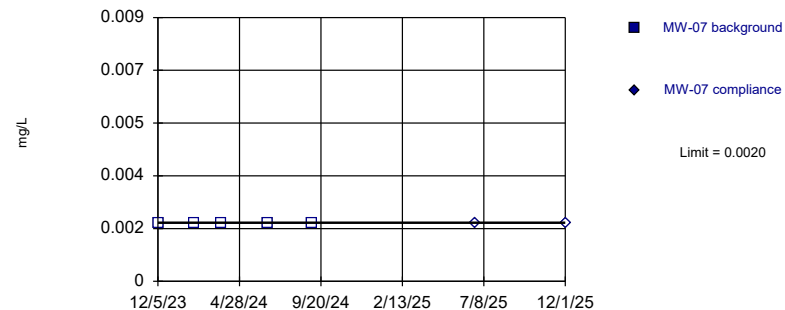


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 4 background values. 75% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2). Most recent point compared to limit.

Constituent: Lead, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

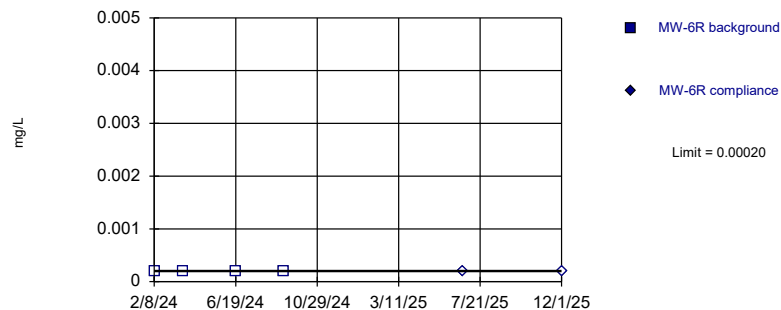


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 5 background values. 100% NDs. Well-constituent pair annual alpha = 0.09284. Individual comparison alpha = 0.04755 (1 of 2). Most recent point compared to limit.

Constituent: Lead, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

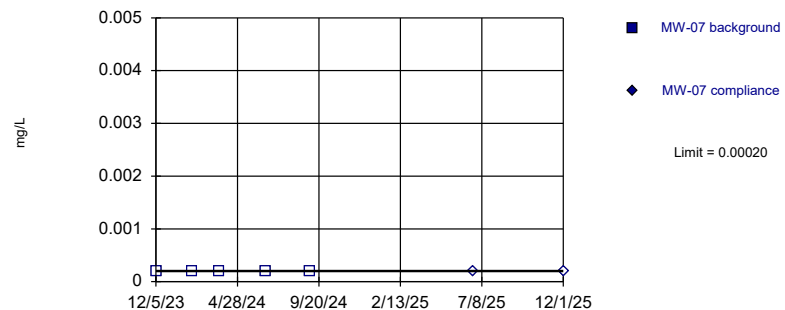


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 4 background values. 100% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2). Most recent point compared to limit.

Constituent: Mercury, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

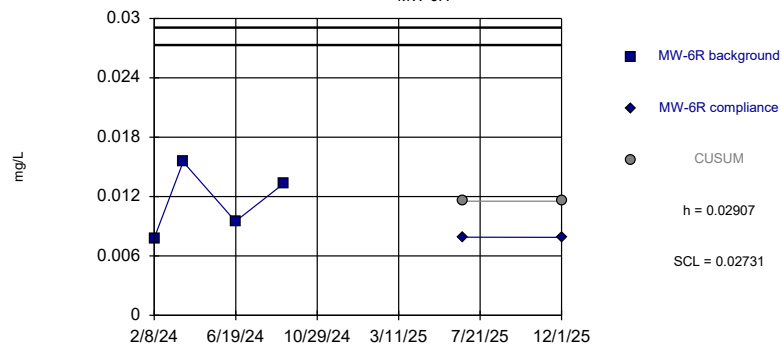


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 5 background values. 100% NDs. Well-constituent pair annual alpha = 0.09284. Individual comparison alpha = 0.04755 (1 of 2). Most recent point compared to limit.

Constituent: Mercury, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Control Limits

Control Chart
MW-6R

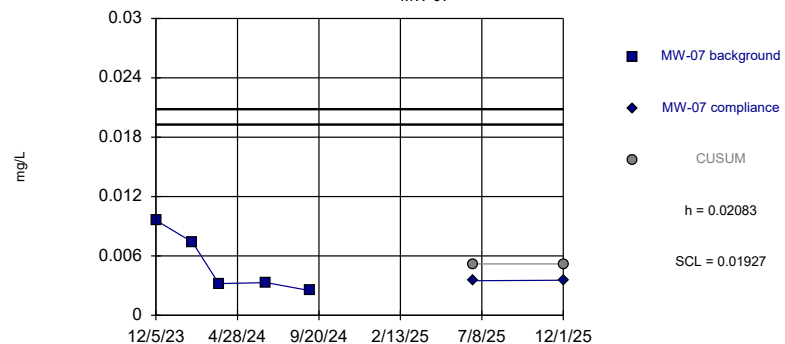


Background Data Summary: Mean=0.01153, Std. Dev.=0.003508, n=4. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9519, critical = 0.687. Report alpha = 0.01748. Dates ending 9/5/2024 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Nickel, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Control Limits

Control Chart
MW-07

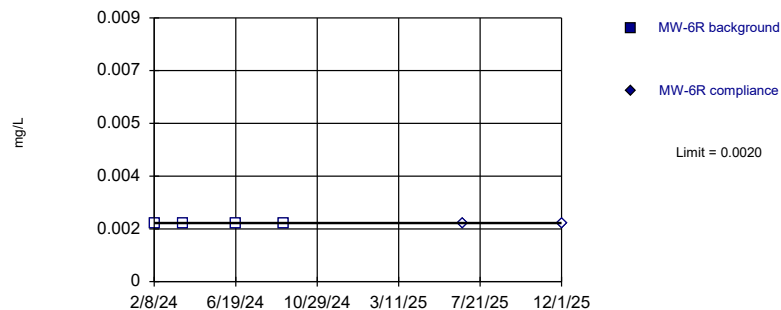


Background Data Summary: Mean=0.0052, Std. Dev.=0.003126, n=5. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8403, critical = 0.686. Report alpha = 0.009464. Dates ending 9/5/2024 used for control stats. Standardized h=5, SCL=4.5.

Constituent: Nickel, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

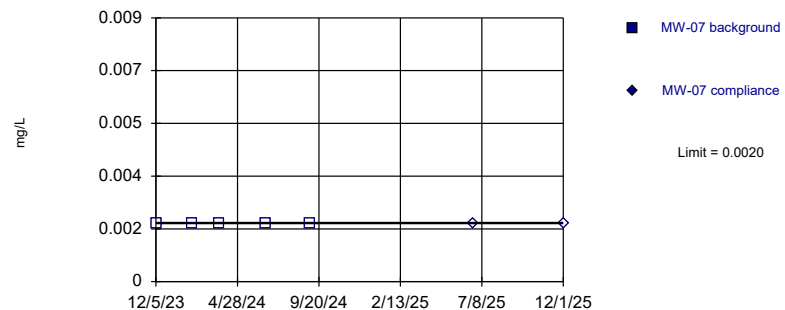


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 4 background values. 100% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2). Most recent point compared to limit.

Constituent: Selenium, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

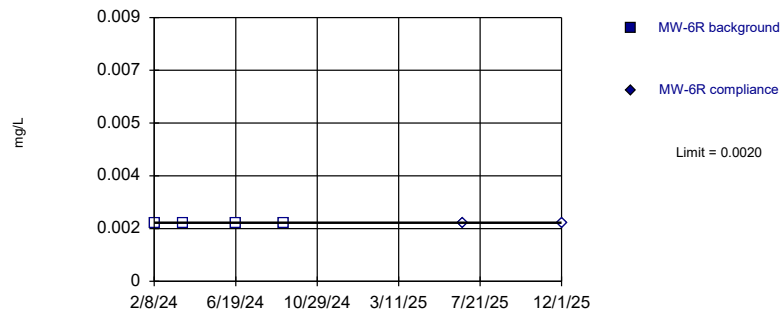


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 5 background values. 100% NDs. Well-constituent pair annual alpha = 0.09284. Individual comparison alpha = 0.04755 (1 of 2). Most recent point compared to limit.

Constituent: Selenium, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

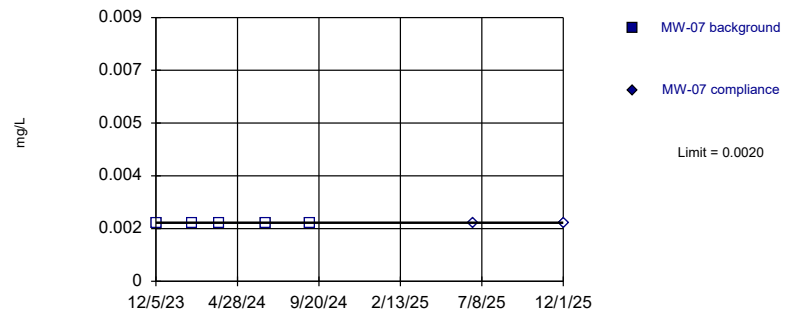


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 4 background values. 100% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2). Most recent point compared to limit.

Constituent: Silver, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit Intrawell Non-parametric

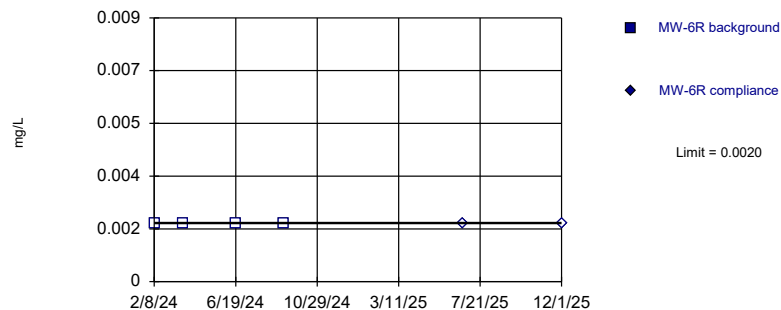


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 5 background values. 100% NDs. Well-constituent pair annual alpha = 0.09284. Individual comparison alpha = 0.04755 (1 of 2). Most recent point compared to limit.

Constituent: Silver, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

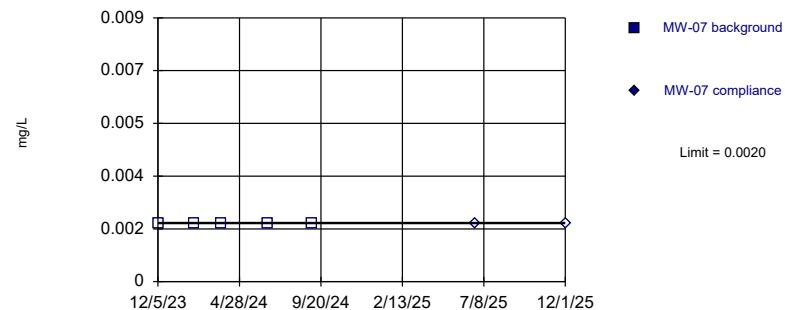


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 4 background values. 100% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2). Most recent point compared to limit.

Constituent: Thallium, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

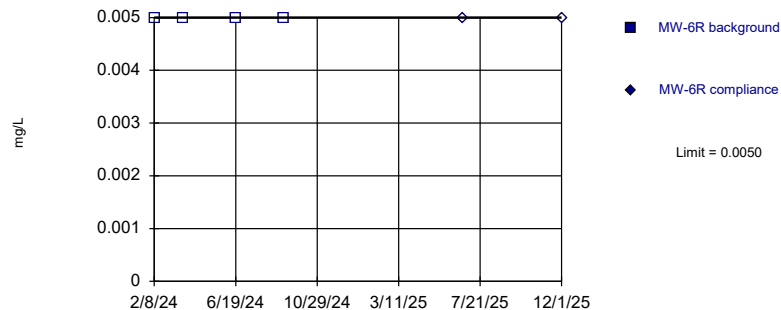


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 5 background values. 100% NDs. Well-constituent pair annual alpha = 0.09284. Individual comparison alpha = 0.04755 (1 of 2). Most recent point compared to limit.

Constituent: Thallium, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric

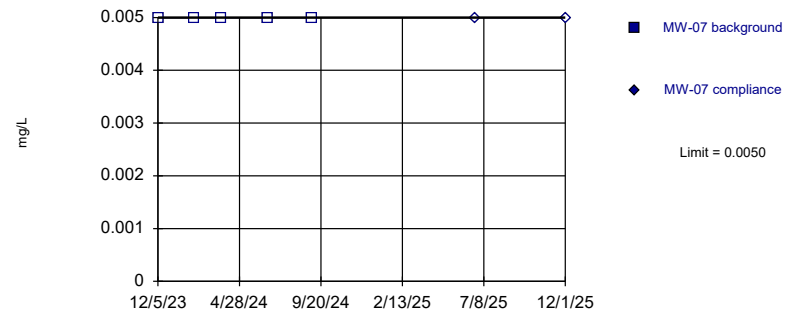


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 4 background values. 100% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2). Most recent point compared to limit.

Constituent: Vanadium, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit
Intrawell Non-parametric



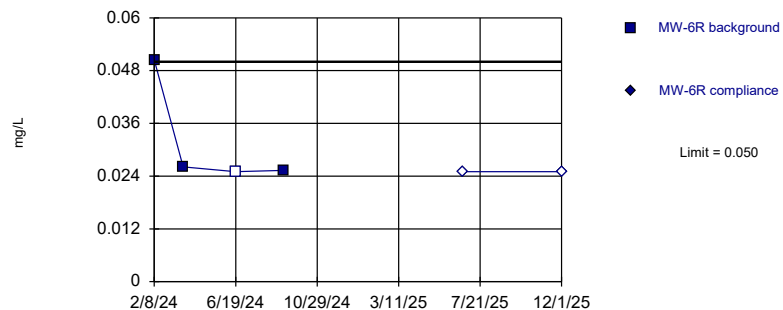
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 5 background values. 100% NDs. Well-constituent pair annual alpha = 0.09284. Individual comparison alpha = 0.04755 (1 of 2). Most recent point compared to limit.

Constituent: Vanadium, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit

Intrawell Non-parametric



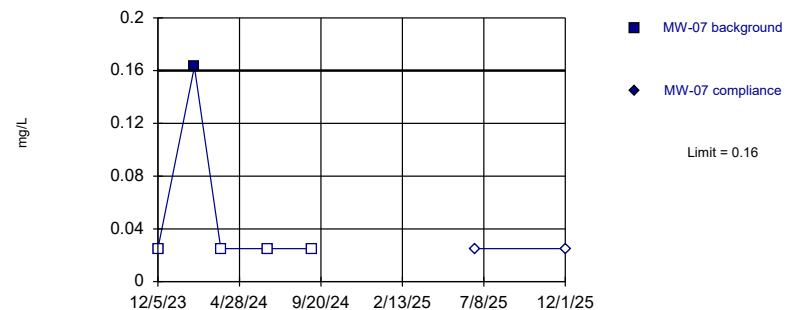
Non-parametric test used in lieu of control chart because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 4 background values. 25% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2). Most recent point compared to limit.

Constituent: Zinc, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 50%. Limit is highest of 5 background values. 80% NDs. Well-constituent pair annual alpha = 0.09284. Individual comparison alpha = 0.04755 (1 of 2). Most recent point compared to limit.

Constituent: Zinc, Total Analysis Run 1/12/2026 1:24 PM View: Stats MW-6R & MW-7
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

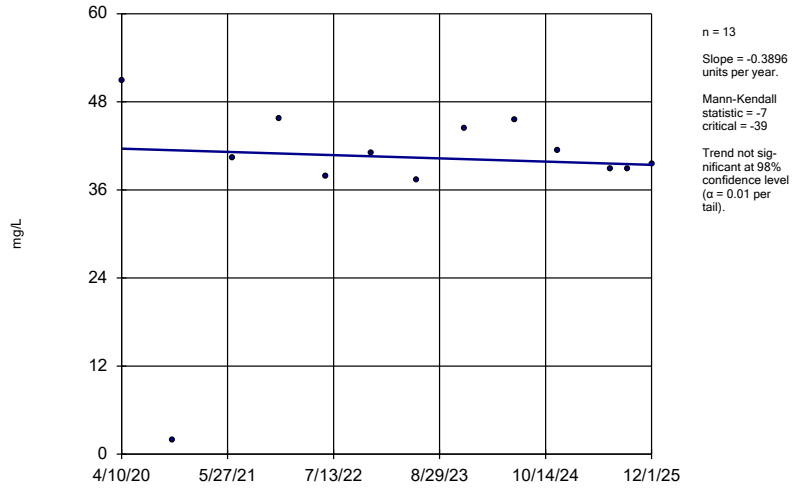
Shewhart-Cusum Control Chart / Rank Sum

Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill Printed 1/12/2026, 1:27 PM

<u>Constituent</u>	<u>Well</u>	<u>Sig.</u>	<u>h</u>	<u>SCL</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Method</u>
Antimony, Total (mg/L)	MW-6R	No	PL=0.0040	n/a	4	n/a	n/a	100	None	No	NP Intra PL (NDs)
Antimony, Total (mg/L)	MW-07	No	PL=0.0040	n/a	5	n/a	n/a	100	None	No	NP Intra PL (NDs)
Arsenic, Total (mg/L)	MW-6R	No	PL=0.0020	n/a	4	n/a	n/a	100	None	No	NP Intra PL (NDs)
Arsenic, Total (mg/L)	MW-07	No	PL=0.0020	n/a	5	n/a	n/a	100	None	No	NP Intra PL (NDs)
Barium, Total (mg/L)	MW-6R	No	0.02535	0.02405	4	0.01228	0.002616	0	None	No	Param Intra
Barium, Total (mg/L)	MW-07	No	0.0461	0.04263	5	0.01136	0.006948	0	None	No	Param Intra
Beryllium, Total (mg/L)	MW-6R	No	PL=0.0020	n/a	4	n/a	n/a	100	None	No	NP Intra PL (NDs)
Beryllium, Total (mg/L)	MW-07	No	PL=0.0020	n/a	5	n/a	n/a	100	None	No	NP Intra PL (NDs)
Cadmium, Total (mg/L)	MW-6R	No	PL=0.0010	n/a	4	n/a	n/a	100	None	No	NP Intra PL (NDs)
Cadmium, Total (mg/L)	MW-07	No	PL=0.0010	n/a	5	n/a	n/a	100	None	No	NP Intra PL (NDs)
Chromium, Total (mg/L)	MW-6R	No	PL=0.0020	n/a	4	n/a	n/a	100	None	No	NP Intra PL (NDs)
Chromium, Total (mg/L)	MW-07	No	PL=0.0072	n/a	5	n/a	n/a	60	None	No	NP Intra PL (NDs)
Cobalt, Total (mg/L)	MW-6R	No	0.01567	0.0146	4	0.005025	0.002128	0	None	No	Param Intra
Cobalt, Total (mg/L)	MW-07	No	0.007893	0.007329	5	0.002255	0.001128	40	Cohen's	No	Param Intra
Copper, Total (mg/L)	MW-6R	No	PL=0.0050	n/a	4	n/a	n/a	100	None	No	NP Intra PL (NDs)
Copper, Total (mg/L)	MW-07	No	PL=0.18	n/a	5	n/a	n/a	80	None	No	NP Intra PL (NDs)
Fluoride, Total (mg/L)	MW-6R	No	PL=0.15	n/a	4	n/a	n/a	100	None	No	NP Intra PL (NDs)
Fluoride, Total (mg/L)	MW-07	No	PL=0.15	n/a	5	n/a	n/a	100	None	No	NP Intra PL (NDs)
Lead, Total (mg/L)	MW-6R	No	PL=0.0034	n/a	4	n/a	n/a	75	None	No	NP Intra PL (NDs)
Lead, Total (mg/L)	MW-07	No	PL=0.0020	n/a	5	n/a	n/a	100	None	No	NP Intra PL (NDs)
Mercury, Total (mg/L)	MW-6R	No	PL=0.00020	n/a	4	n/a	n/a	100	None	No	NP Intra PL (NDs)
Mercury, Total (mg/L)	MW-07	No	PL=0.00020	n/a	5	n/a	n/a	100	None	No	NP Intra PL (NDs)
Nickel, Total (mg/L)	MW-6R	No	0.02907	0.02731	4	0.01153	0.003508	0	None	No	Param Intra
Nickel, Total (mg/L)	MW-07	No	0.02083	0.01927	5	0.0052	0.003126	0	None	No	Param Intra
Selenium, Total (mg/L)	MW-6R	No	PL=0.0020	n/a	4	n/a	n/a	100	None	No	NP Intra PL (NDs)
Selenium, Total (mg/L)	MW-07	No	PL=0.0020	n/a	5	n/a	n/a	100	None	No	NP Intra PL (NDs)
Silver, Total (mg/L)	MW-6R	No	PL=0.0020	n/a	4	n/a	n/a	100	None	No	NP Intra PL (NDs)
Silver, Total (mg/L)	MW-07	No	PL=0.0020	n/a	5	n/a	n/a	100	None	No	NP Intra PL (NDs)
Thallium, Total (mg/L)	MW-6R	No	PL=0.0020	n/a	4	n/a	n/a	100	None	No	NP Intra PL (NDs)
Thallium, Total (mg/L)	MW-07	No	PL=0.0020	n/a	5	n/a	n/a	100	None	No	NP Intra PL (NDs)
Vanadium, Total (mg/L)	MW-6R	No	PL=0.0050	n/a	4	n/a	n/a	100	None	No	NP Intra PL (NDs)
Vanadium, Total (mg/L)	MW-07	No	PL=0.0050	n/a	5	n/a	n/a	100	None	No	NP Intra PL (NDs)
Zinc, Total (mg/L)	MW-6R	No	PL=0.050	n/a	4	n/a	n/a	25	None	No	NP Intra PL (normality)
Zinc, Total (mg/L)	MW-07	No	PL=0.16	n/a	5	n/a	n/a	80	None	No	NP Intra PL (NDs)

Sen's Slope Estimator

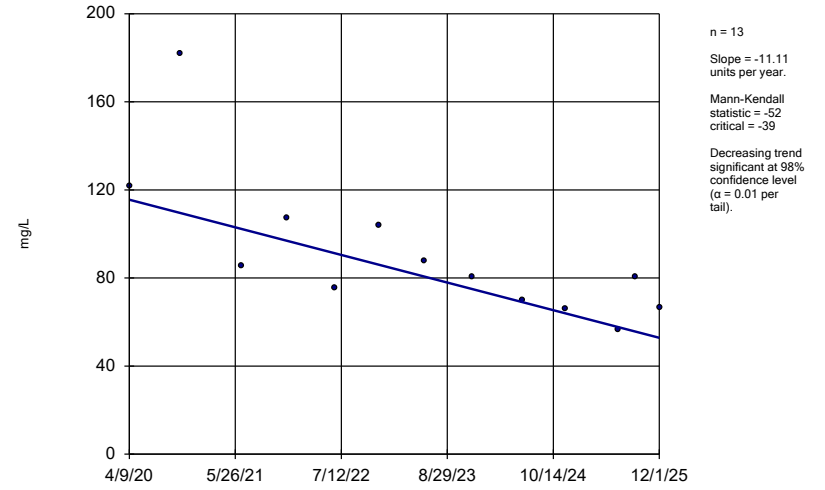
MW-01



Constituent: Calcium, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

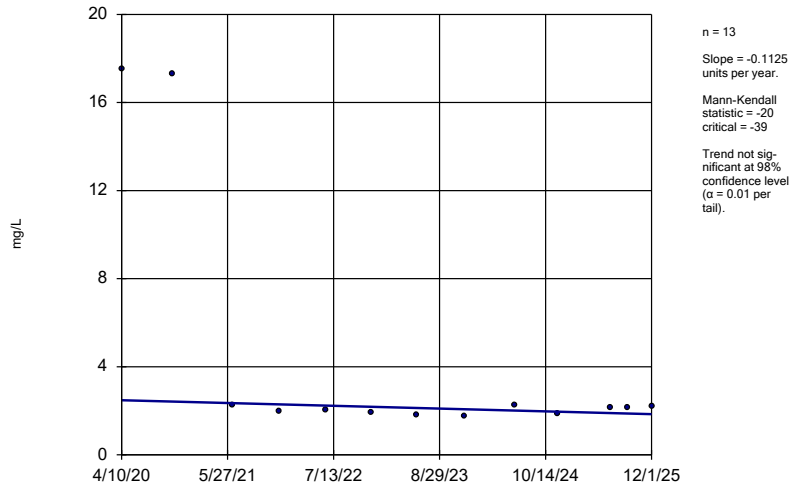
MW-1A



Constituent: Calcium, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

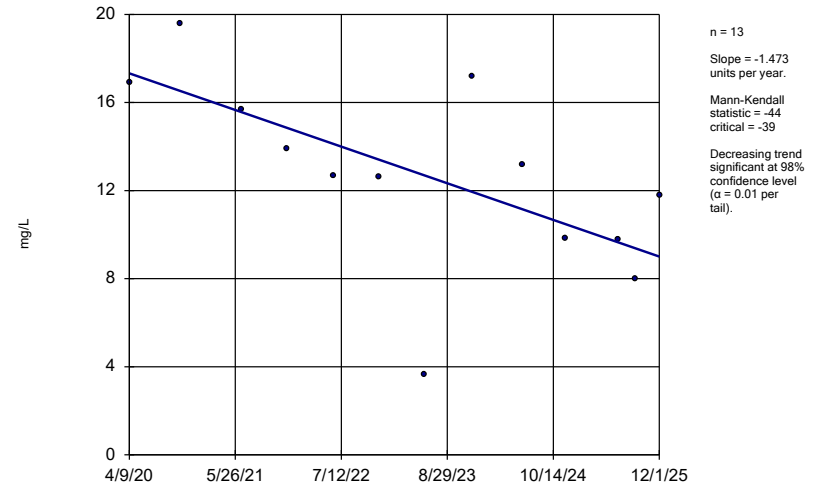
MW-02



Constituent: Calcium, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

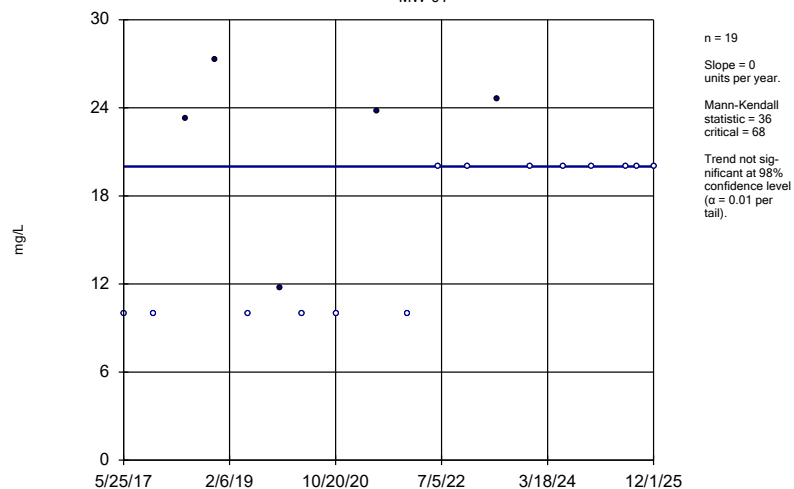
MW-03



Constituent: Calcium, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

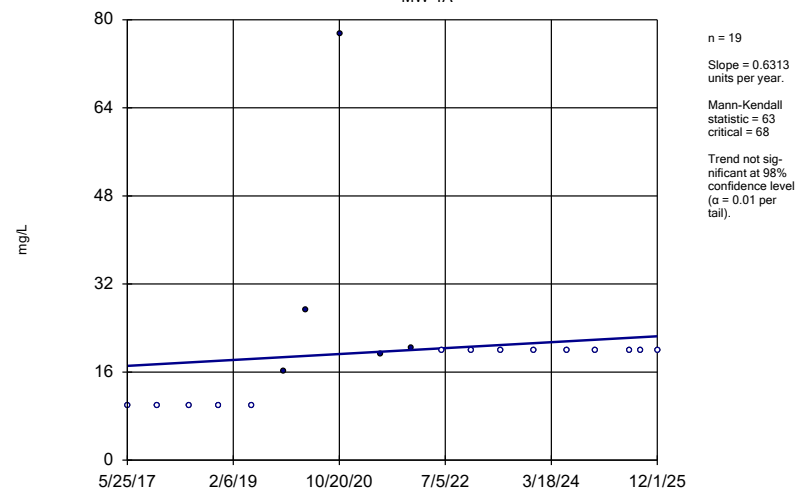
MW-01



Constituent: Chemical Oxygen Demand Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

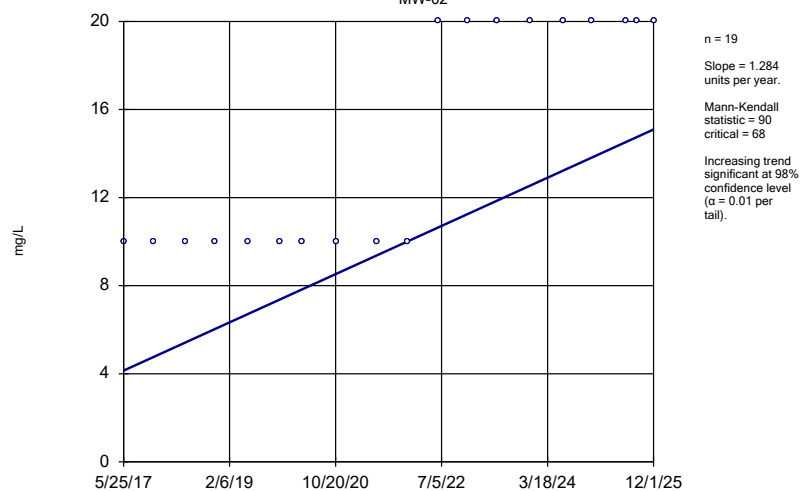
MW-1A



Constituent: Chemical Oxygen Demand Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

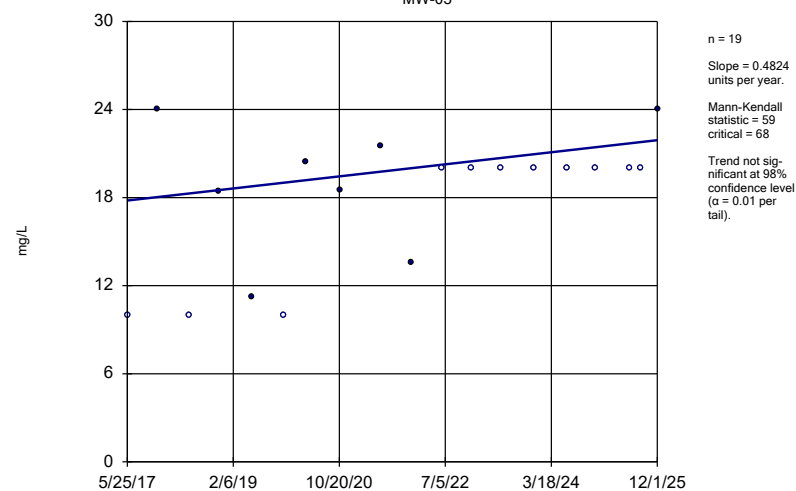
MW-02



Constituent: Chemical Oxygen Demand Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

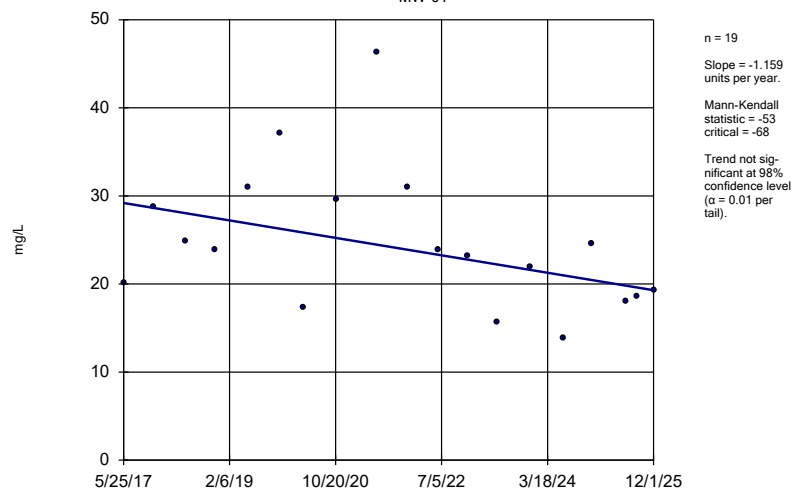
MW-03



Constituent: Chemical Oxygen Demand Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

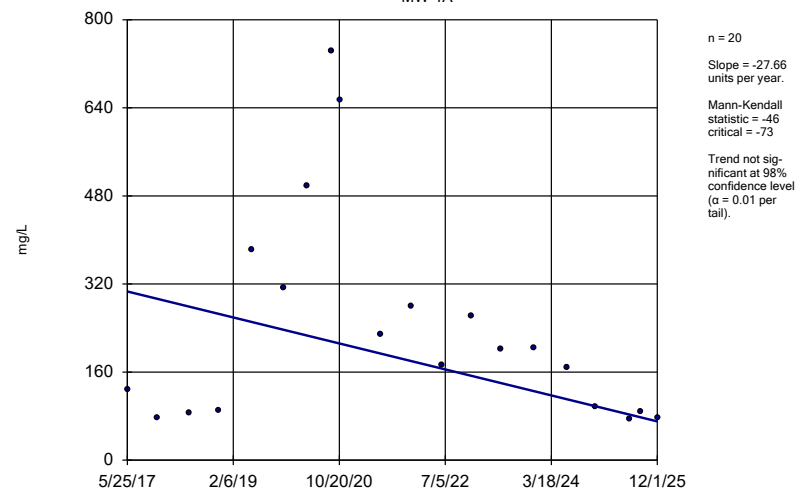
MW-01



Constituent: Chloride Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

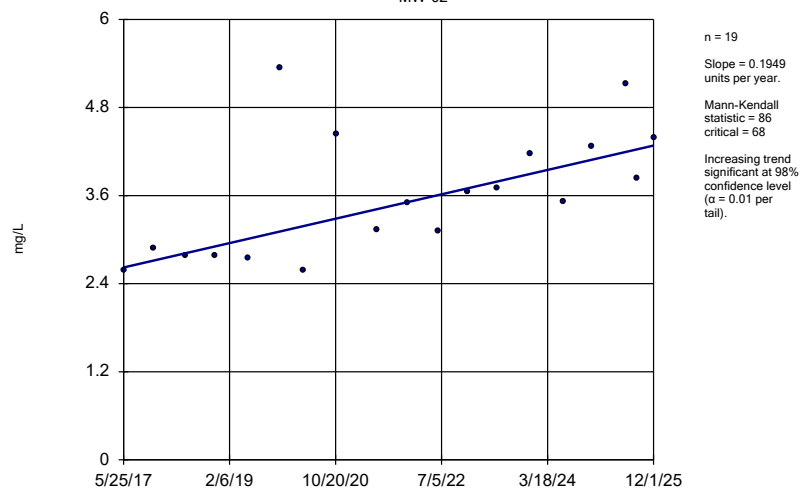
MW-1A



Constituent: Chloride Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

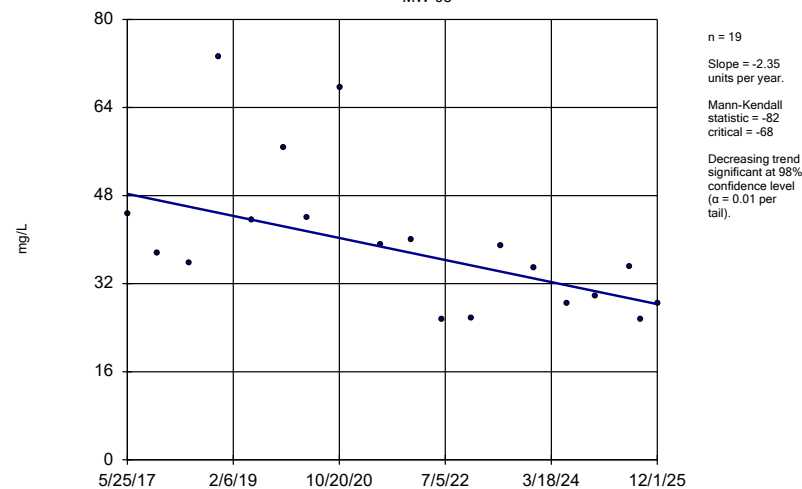
MW-02



Constituent: Chloride Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

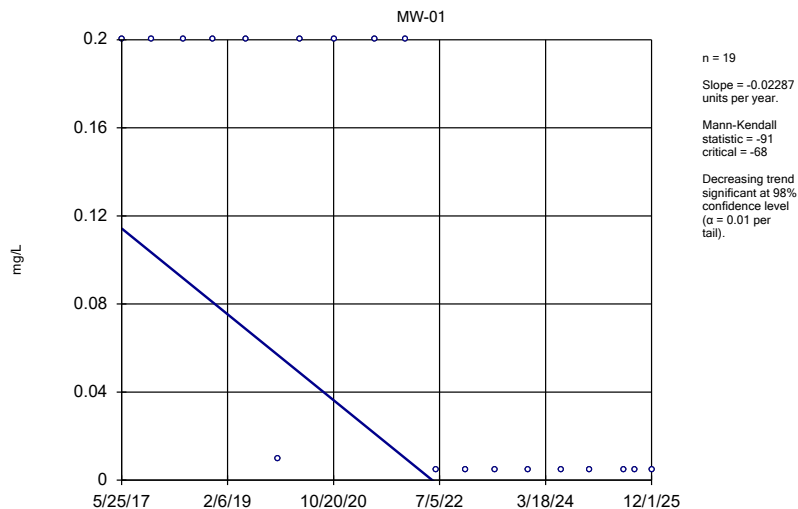
Sen's Slope Estimator

MW-03



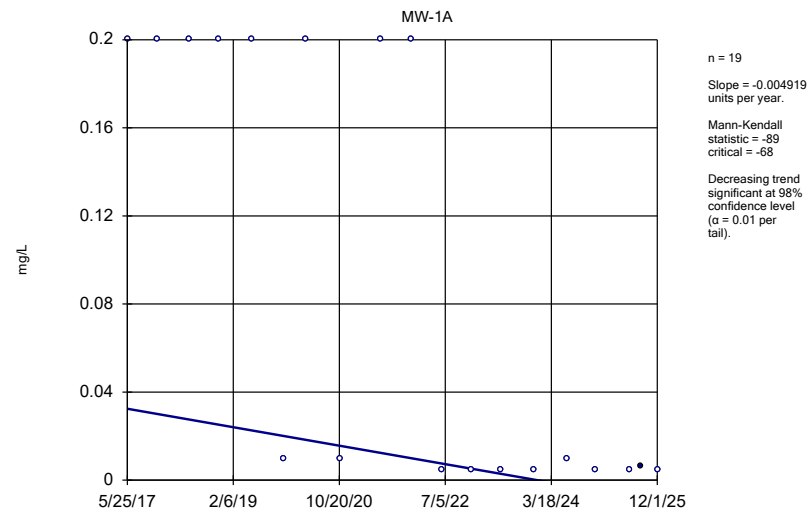
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Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator



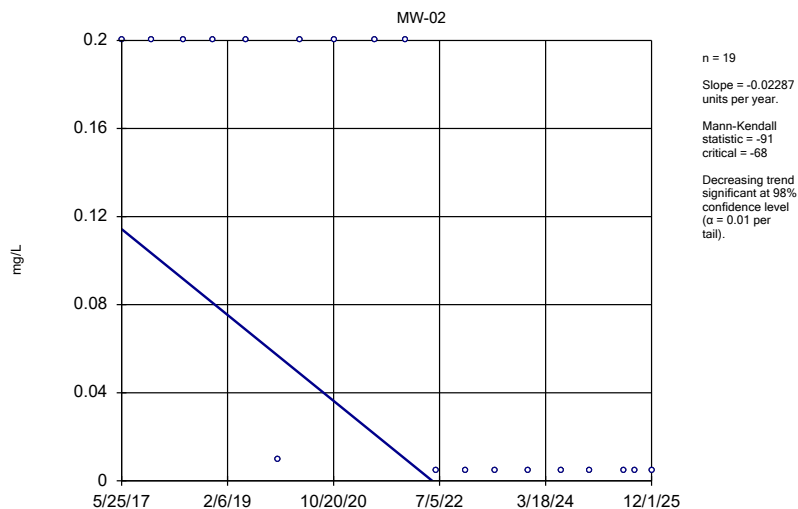
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Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator



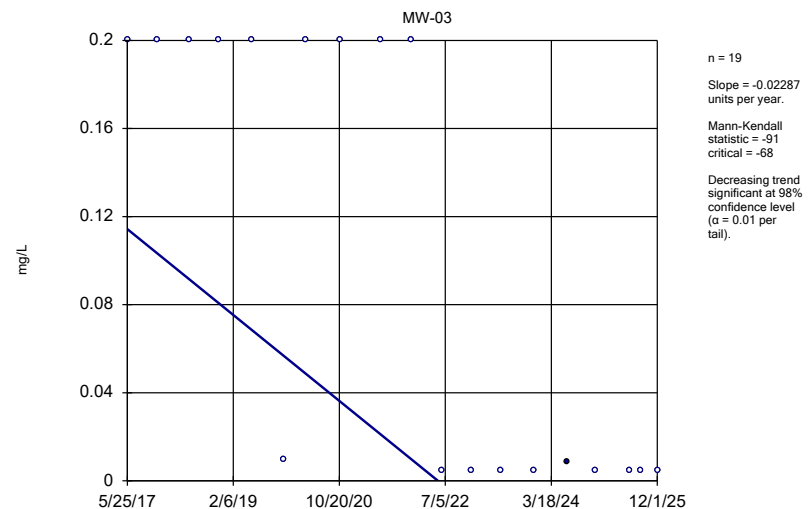
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Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator



Constituent: Cyanide, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

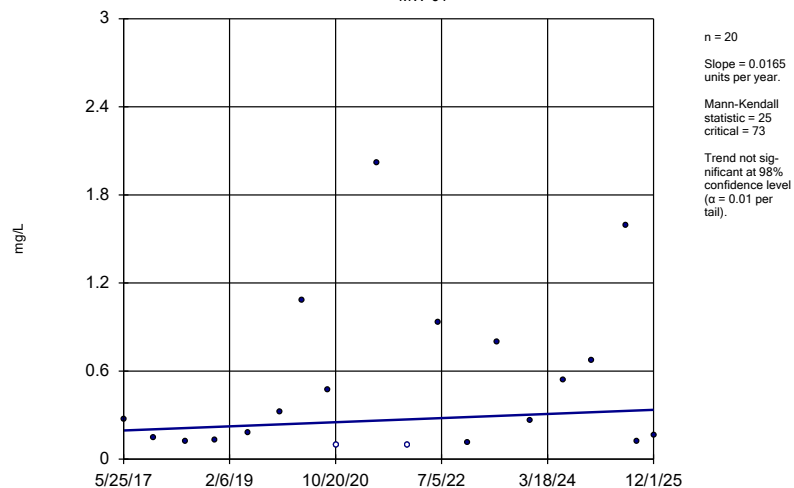
Sen's Slope Estimator



Constituent: Cyanide, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

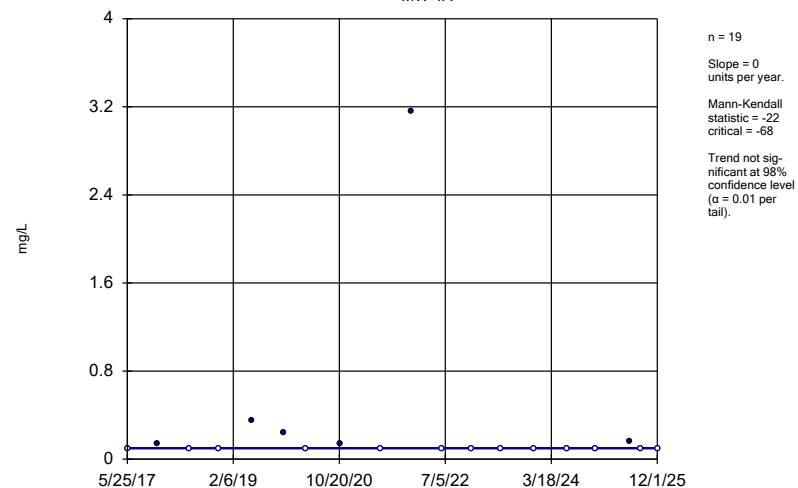
MW-01



Constituent: Iron, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

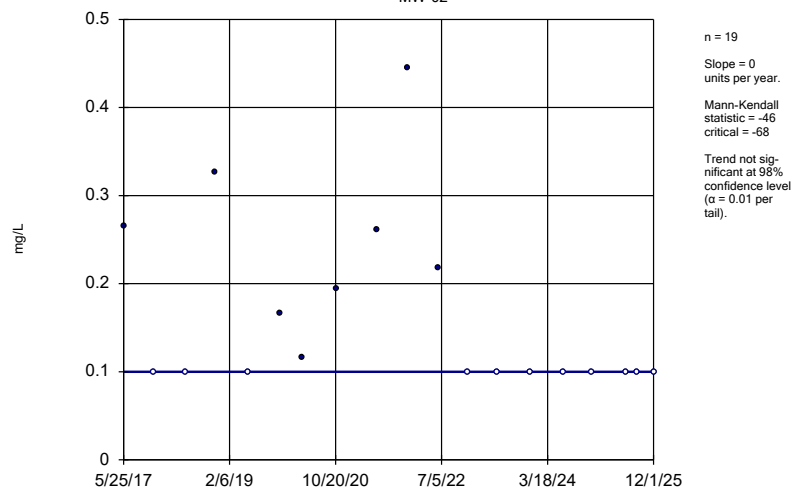
MW-1A



Constituent: Iron, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

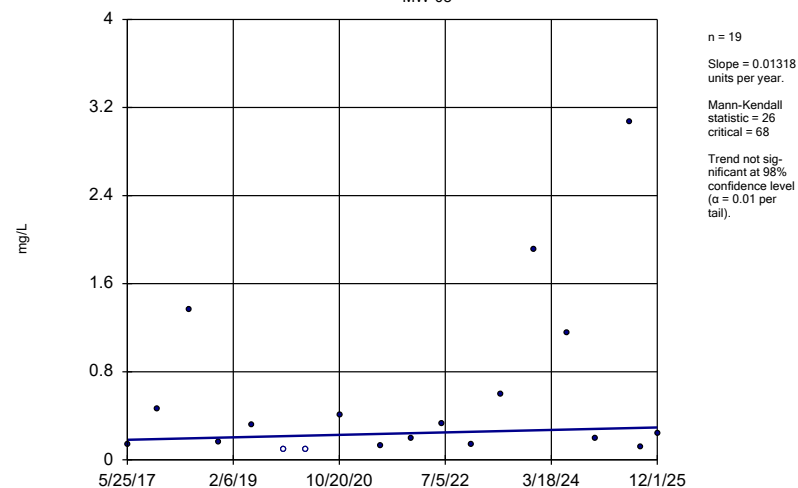
MW-02



Constituent: Iron, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

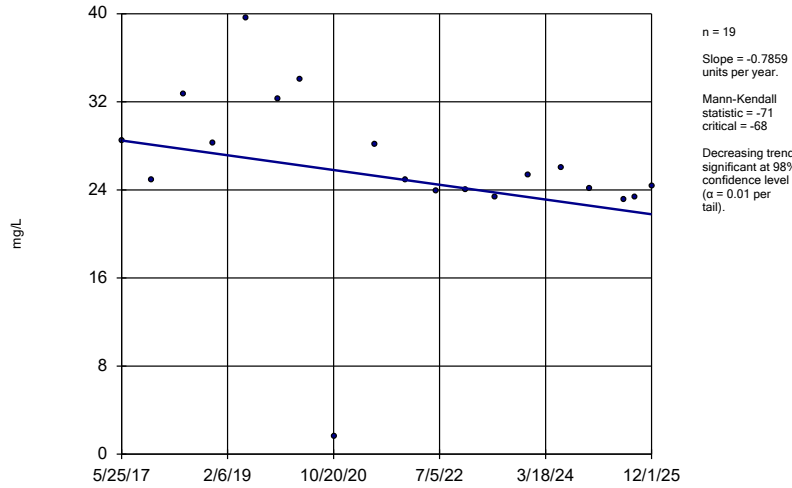
MW-03



Constituent: Iron, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

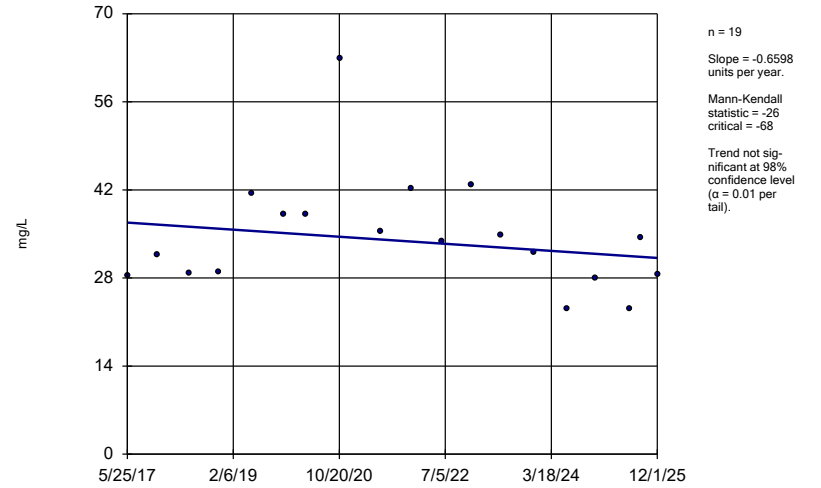
MW-01



Constituent: Magnesium, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

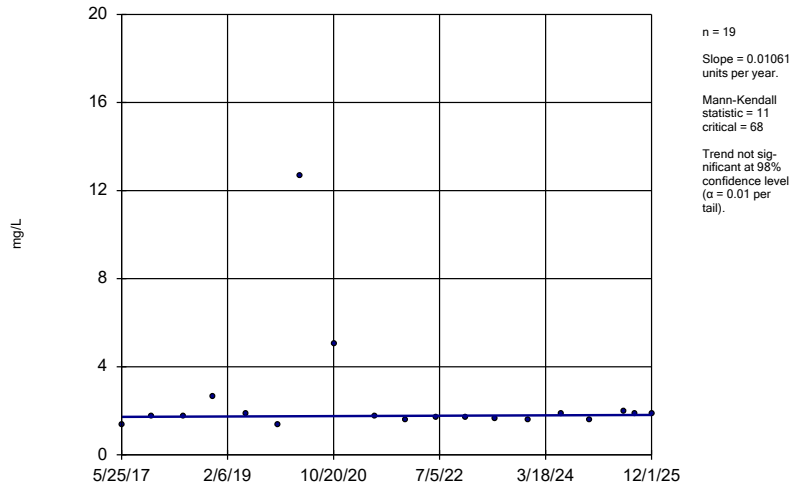
MW-1A



Constituent: Magnesium, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

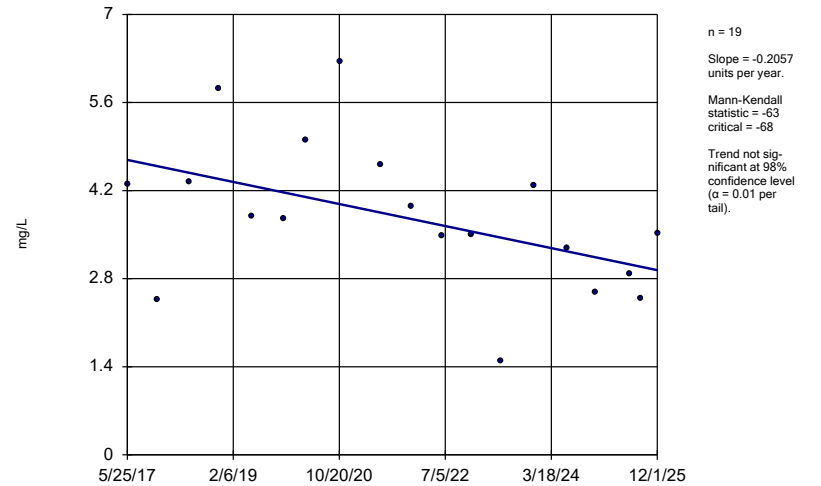
MW-02



Constituent: Magnesium, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

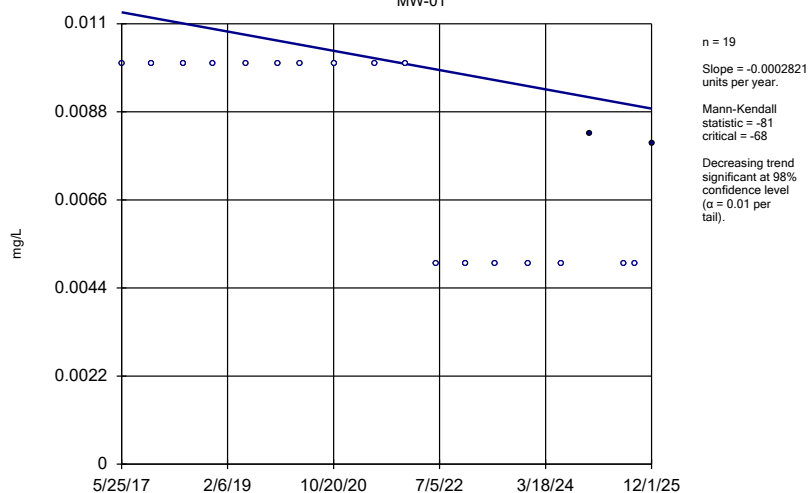
MW-03



Constituent: Magnesium, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

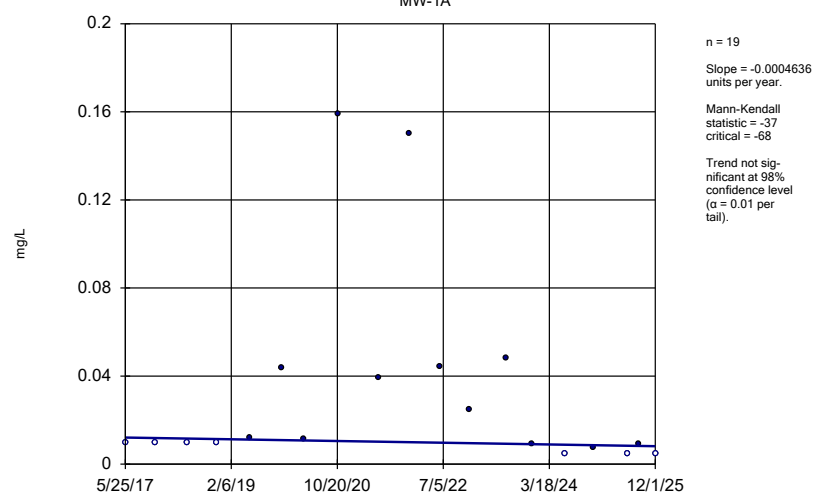
MW-01



Constituent: Manganese, Dissolved Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

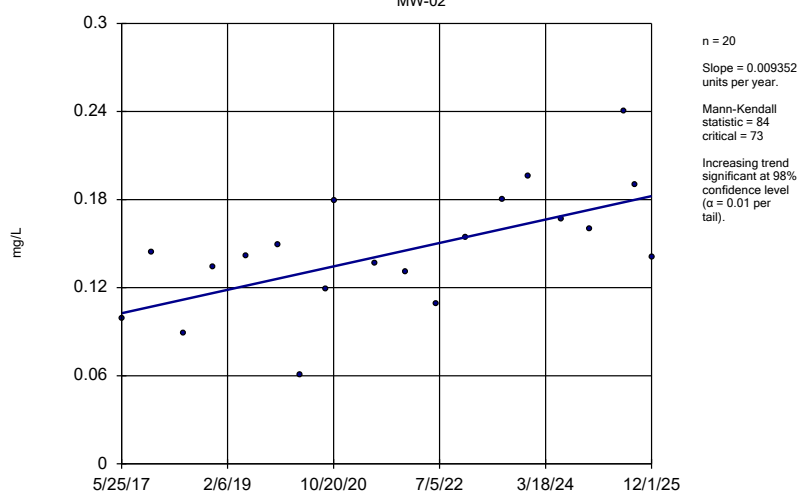
MW-1A



Constituent: Manganese, Dissolved Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

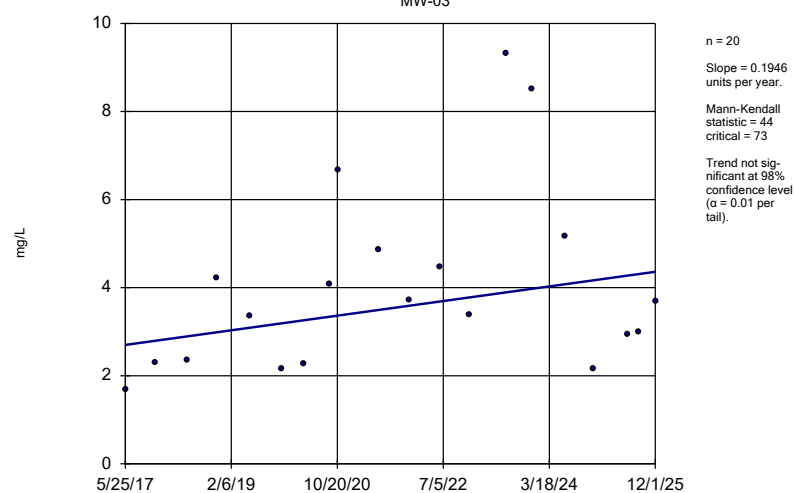
MW-02



Constituent: Manganese, Dissolved Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

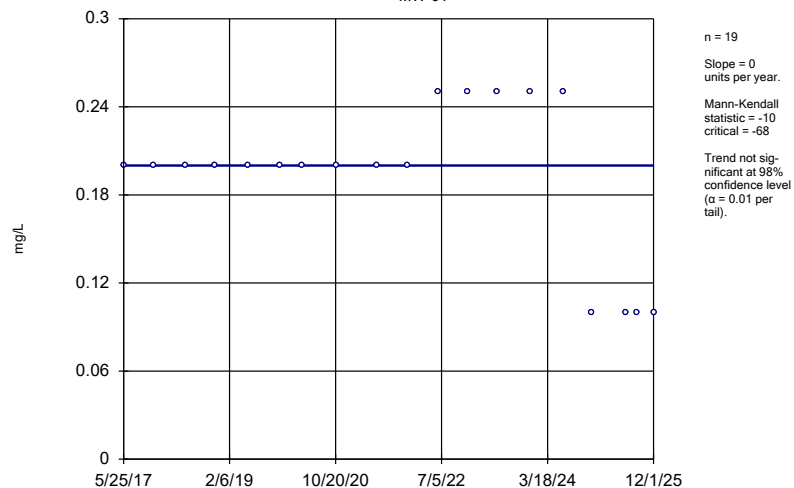
MW-03



Constituent: Manganese, Dissolved Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

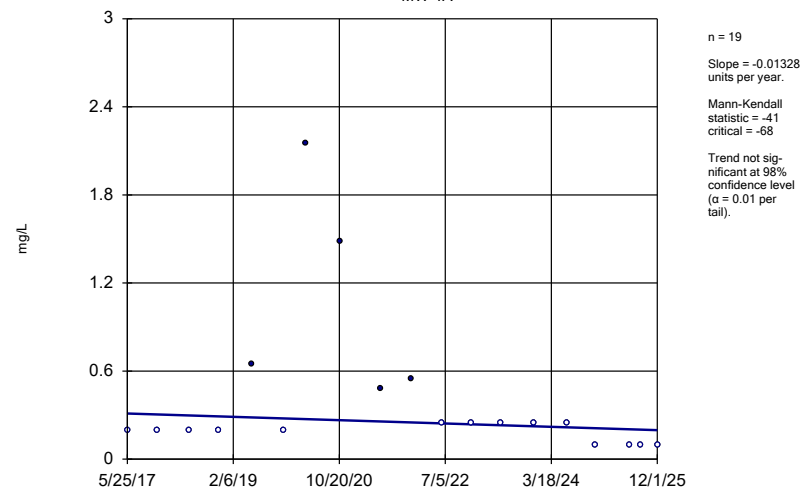
MW-01



Constituent: Nitrogen, Ammonia Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

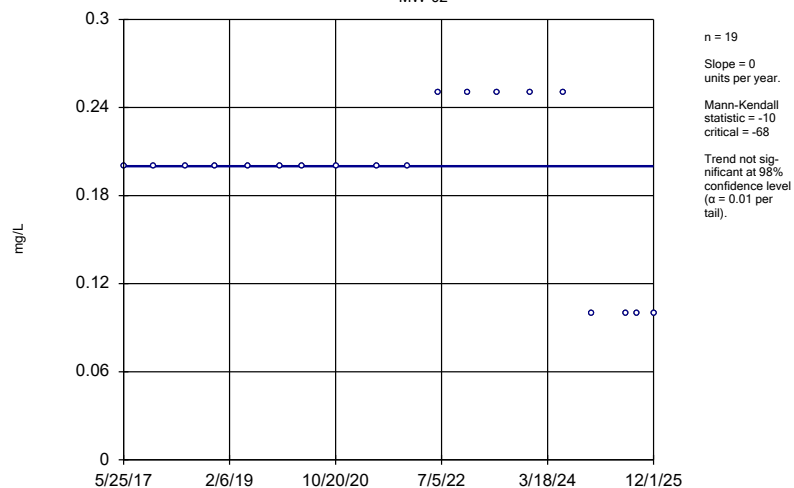
MW-1A



Constituent: Nitrogen, Ammonia Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

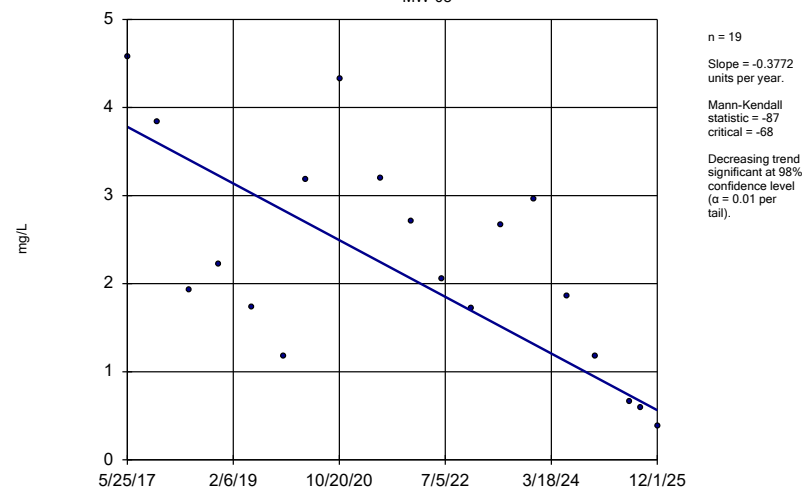
MW-02



Constituent: Nitrogen, Ammonia Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

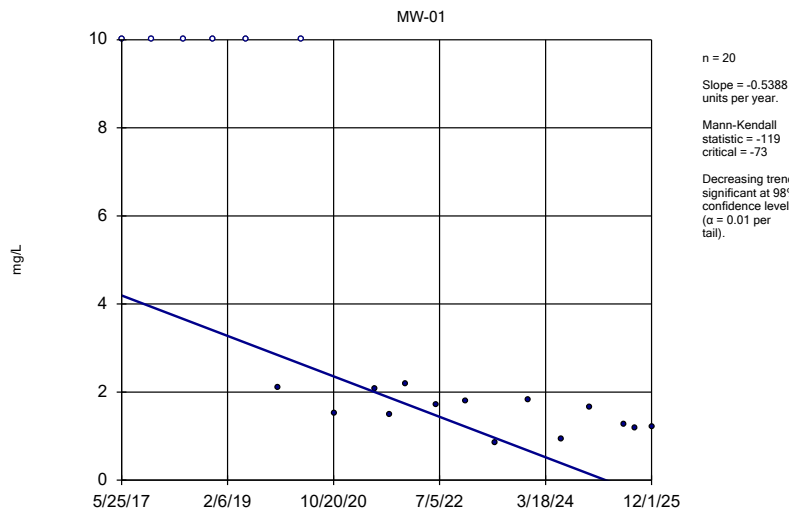
Sen's Slope Estimator

MW-03



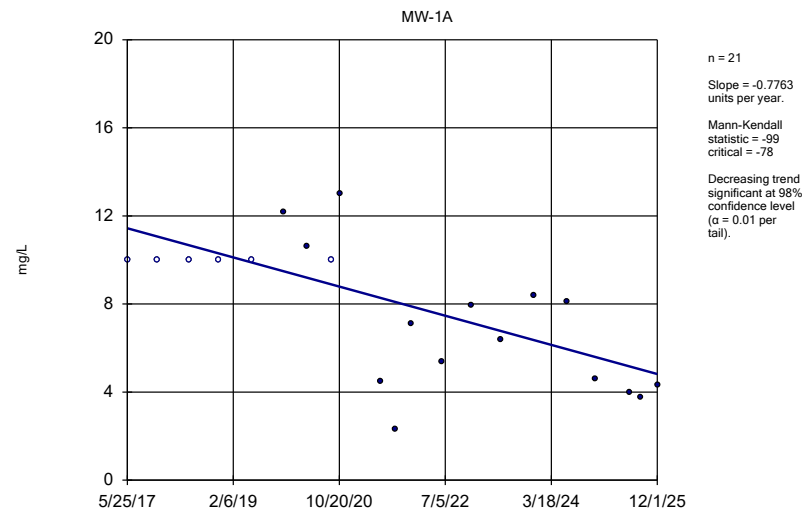
Constituent: Nitrogen, Ammonia Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator



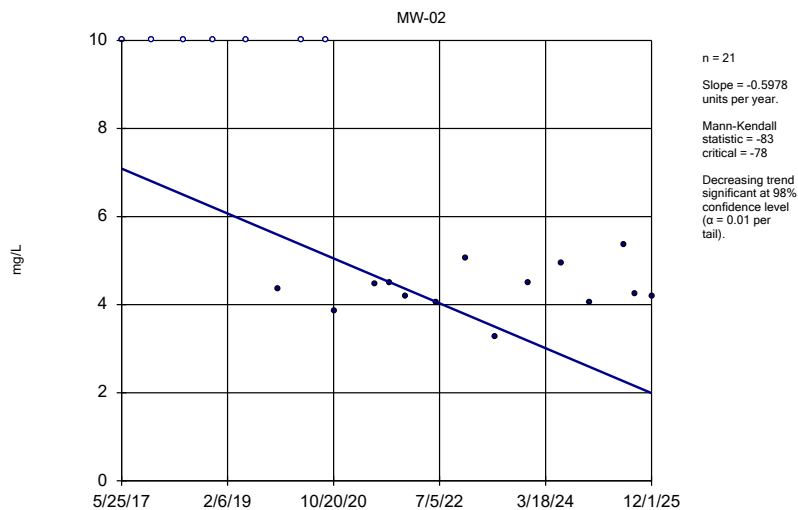
Constituent: Nitrogen, Nitrate Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator



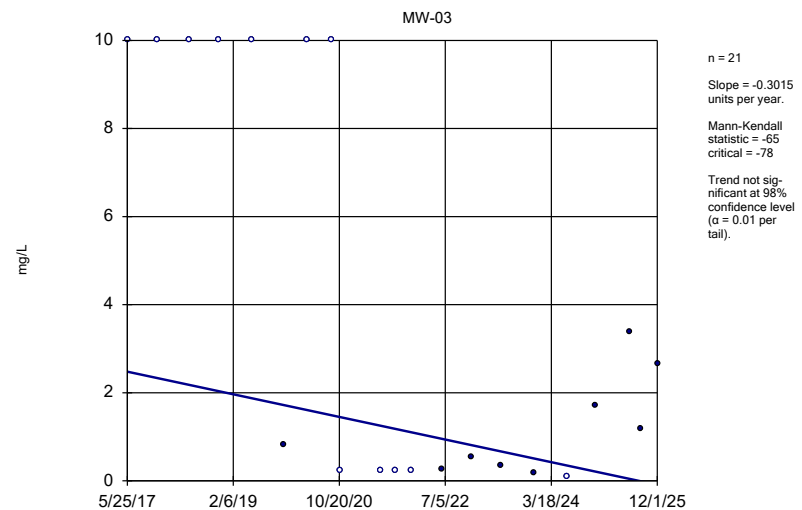
Constituent: Nitrogen, Nitrate Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator



Constituent: Nitrogen, Nitrate Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

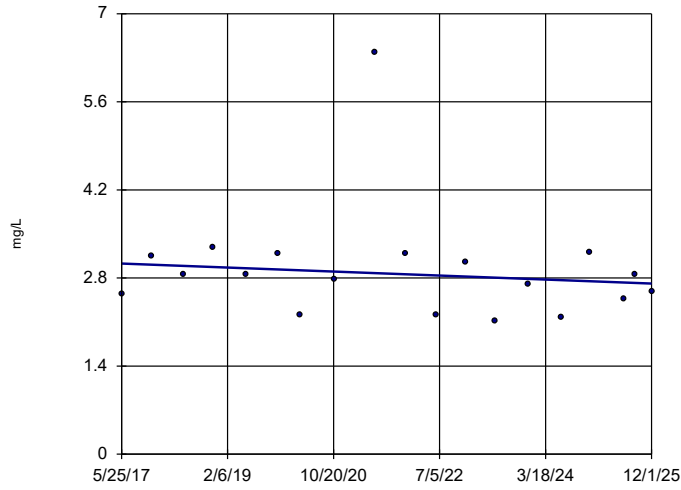
Sen's Slope Estimator



Constituent: Nitrogen, Nitrate Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

MW-01

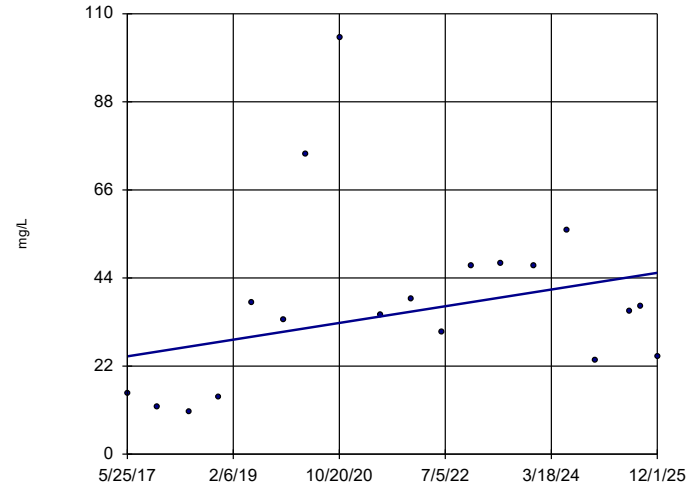


n = 19
 Slope = -0.03716
 units per year.
 Mann-Kendall
 statistic = -31
 critical = -68
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Potassium, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

MW-1A

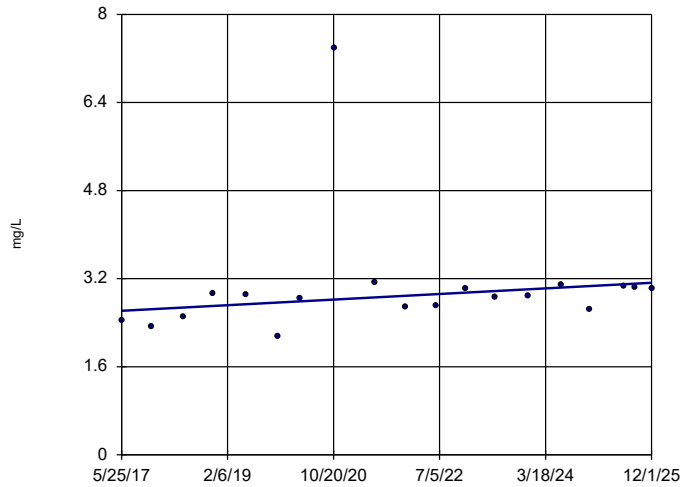


n = 19
 Slope = 2.447
 units per year.
 Mann-Kendall
 statistic = 40
 critical = 68
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Potassium, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

MW-02



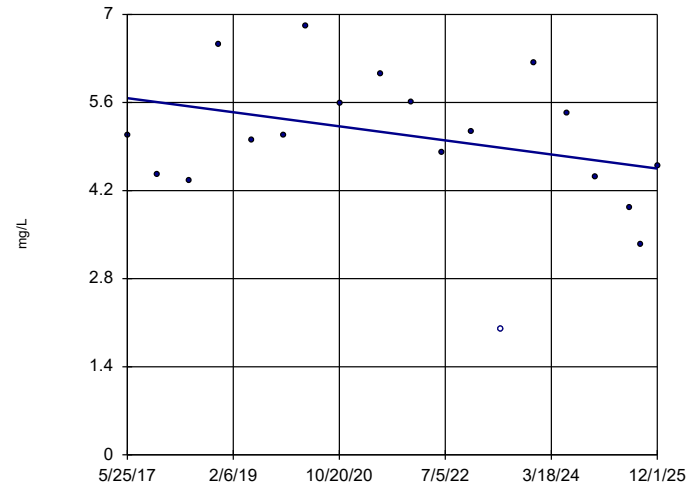
n = 19
 Slope = 0.0596
 units per year.
 Mann-Kendall
 statistic = 57
 critical = 68
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Potassium, Total Analysis Run 1/12/2026 3:19 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-03

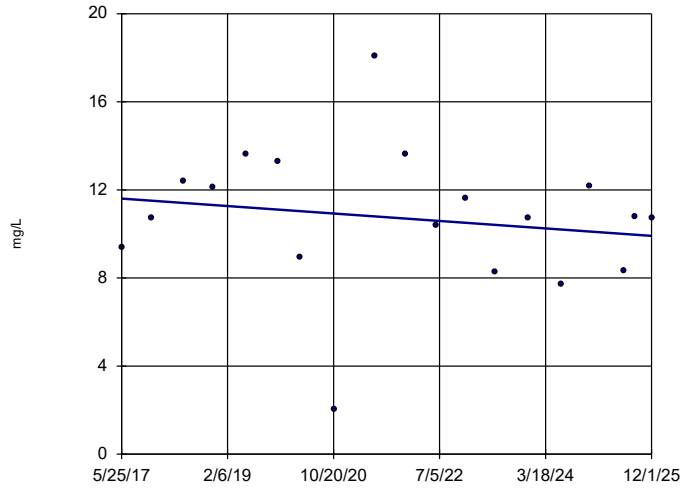


n = 19
 Slope = -0.1314
 units per year.
 Mann-Kendall
 statistic = -34
 critical = -68
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Potassium, Total Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

MW-01

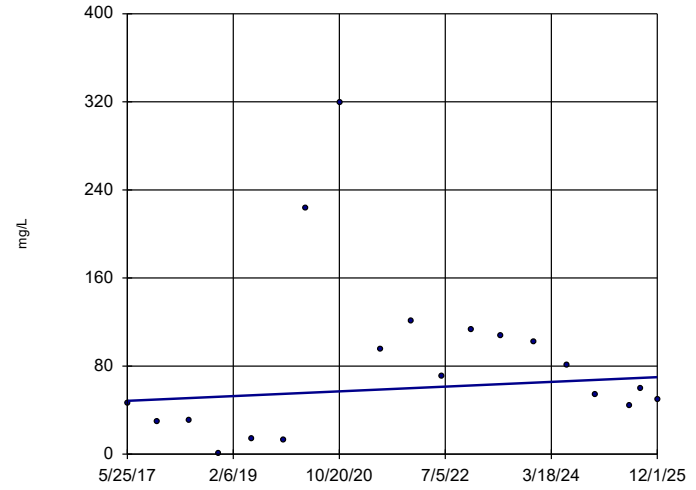


n = 19
 Slope = -0.1984
 units per year.
 Mann-Kendall
 statistic = -23
 critical = -68
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Sodium, Total Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

MW-1A

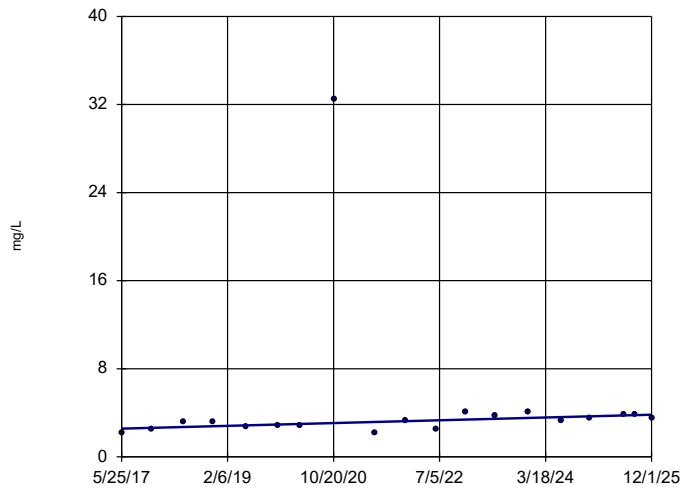


n = 19
 Slope = 2.523
 units per year.
 Mann-Kendall
 statistic = 13
 critical = 68
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Sodium, Total Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

MW-02

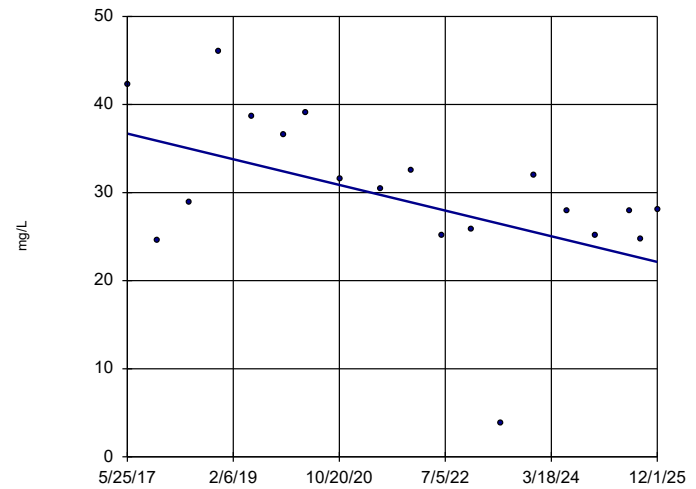


n = 19
 Slope = 0.1485
 units per year.
 Mann-Kendall
 statistic = 78
 critical = 68
 Increasing trend
 significant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Sodium, Total Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

MW-03

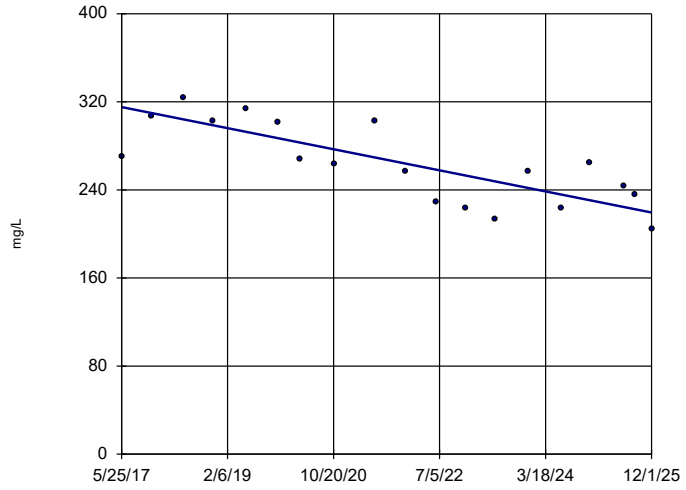


n = 19
 Slope = -1.709
 units per year.
 Mann-Kendall
 statistic = -67
 critical = -68
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Sodium, Total Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

MW-01

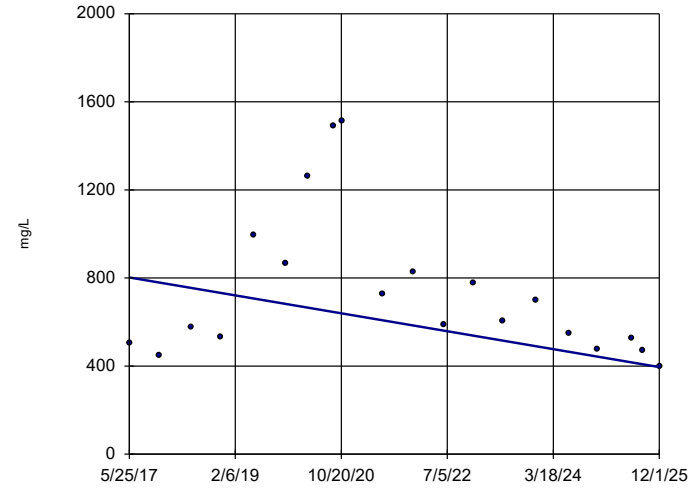


n = 19
 Slope = -11.23 units per year.
 Mann-Kendall statistic = -107
 critical = -68
 Decreasing trend significant at 98% confidence level ($\alpha = 0.01$ per tail).

Constituent: Solids, Total Dissolved Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

MW-1A

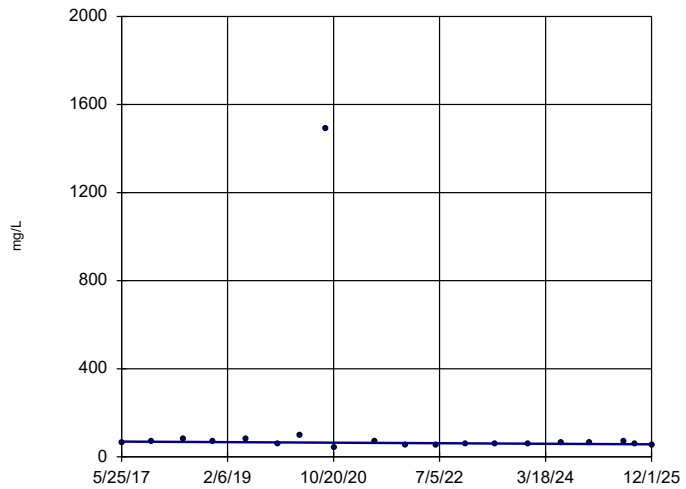


n = 20
 Slope = -47.75 units per year.
 Mann-Kendall statistic = -48
 critical = -73
 Trend not significant at 98% confidence level ($\alpha = 0.01$ per tail).

Constituent: Solids, Total Dissolved Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

MW-02

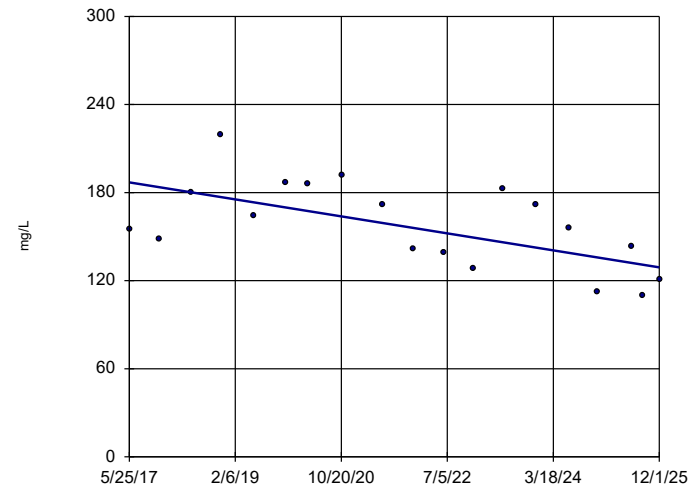


n = 20
 Slope = -1.435 units per year.
 Mann-Kendall statistic = -47
 critical = -73
 Trend not significant at 98% confidence level ($\alpha = 0.01$ per tail).

Constituent: Solids, Total Dissolved Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

MW-03

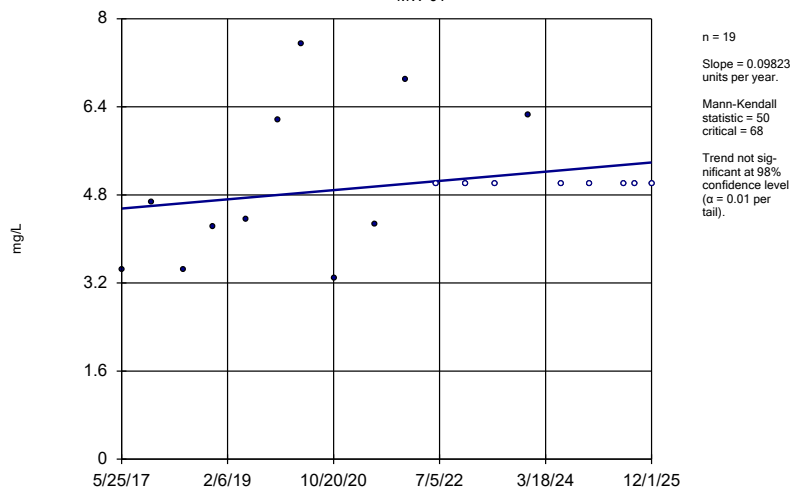


n = 19
 Slope = -6.788 units per year.
 Mann-Kendall statistic = -72
 critical = -68
 Decreasing trend significant at 98% confidence level ($\alpha = 0.01$ per tail).

Constituent: Solids, Total Dissolved Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
 Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

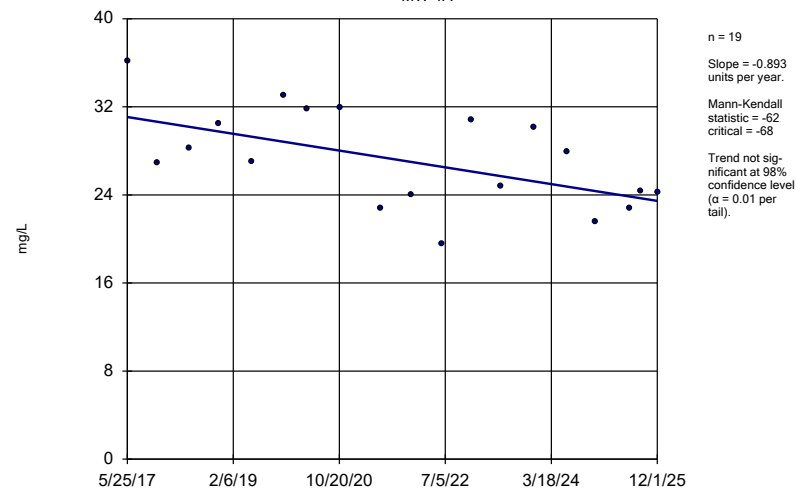
MW-01



Constituent: Sulfate Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

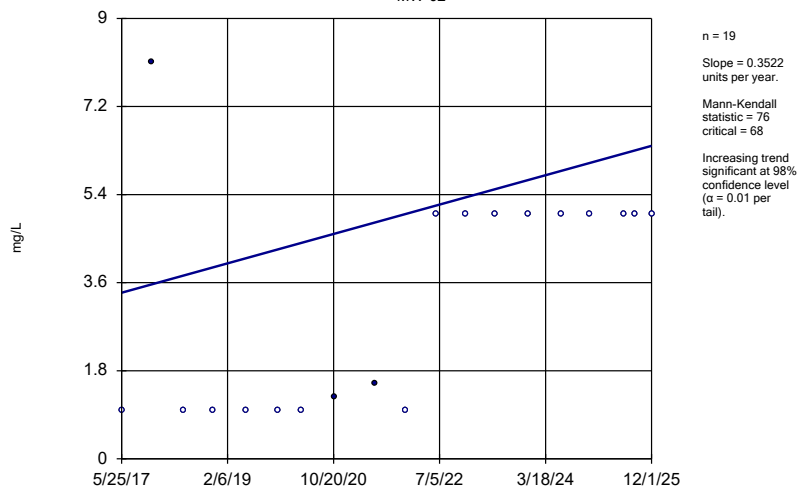
MW-1A



Constituent: Sulfate Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

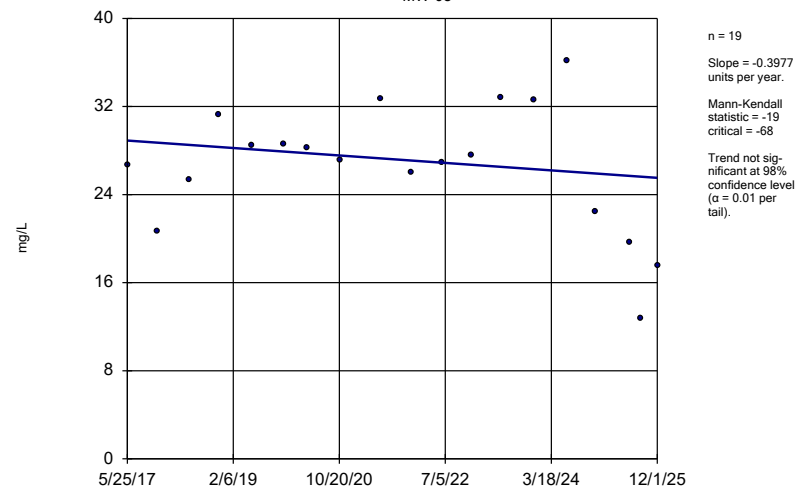
MW-02



Constituent: Sulfate Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

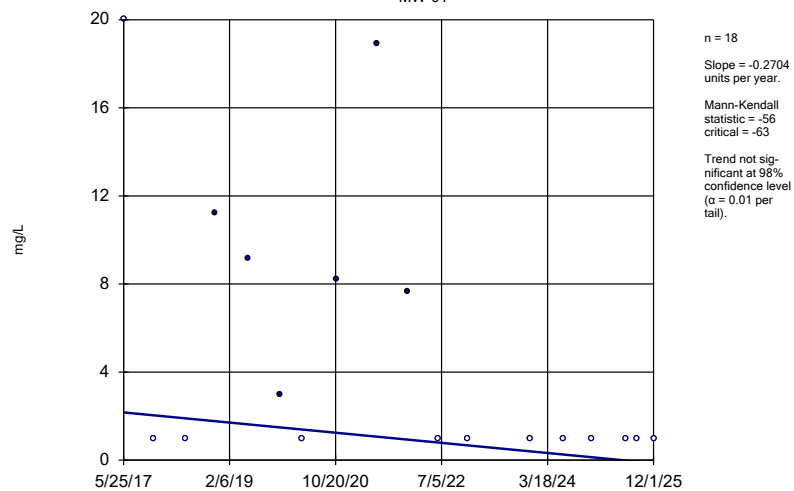
MW-03



Constituent: Sulfate Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

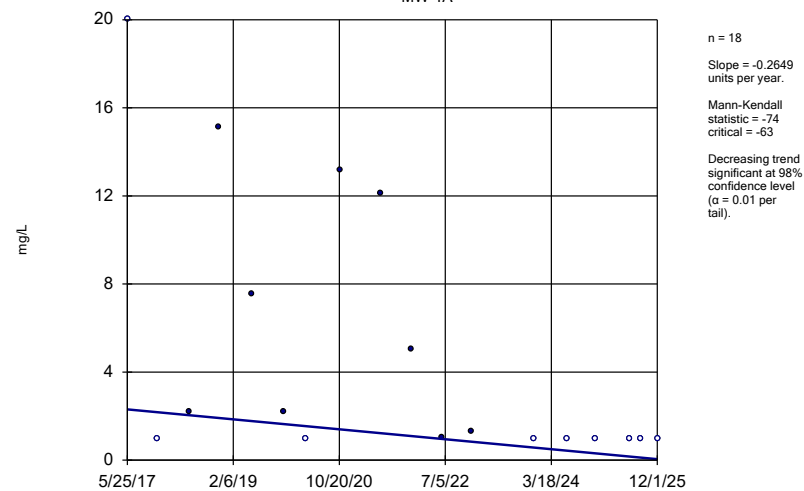
MW-01



Constituent: Total Organic Carbon Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

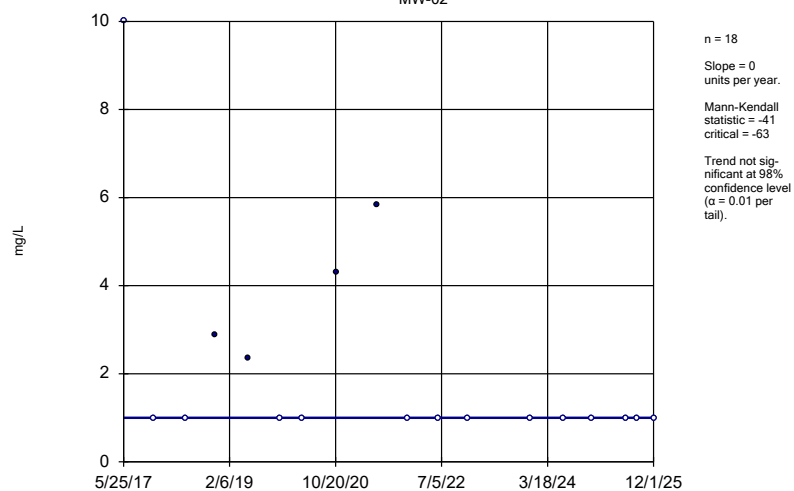
MW-1A



Constituent: Total Organic Carbon Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

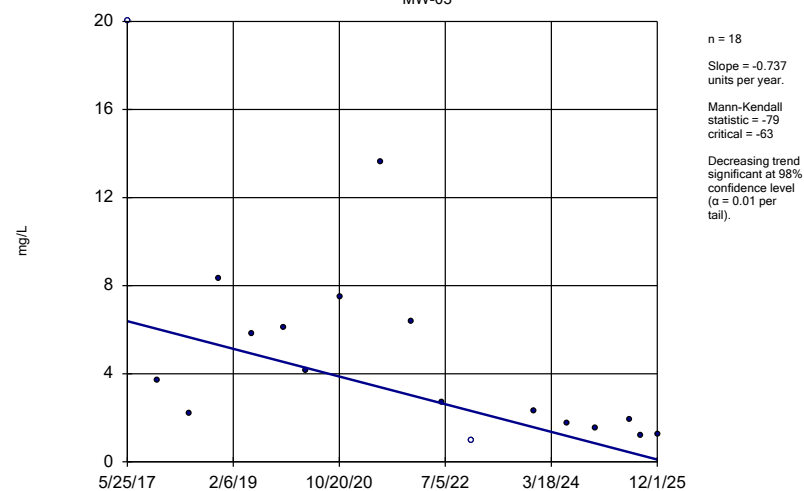
MW-02



Constituent: Total Organic Carbon Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Sen's Slope Estimator

MW-03



Constituent: Total Organic Carbon Analysis Run 1/12/2026 3:20 PM View: Indicator Parameters
Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill

Trend Test

Matlock Bend Landfill Client: Republic Services Data: Matlock Bend Landfill Printed 1/12/2026, 3:22 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Calcium, Total (mg/L)	MW-01	-0.3896	-7	-39	No	13	0	0.02	NP
Calcium, Total (mg/L)	MW-1A	-11.11	-52	-39	Yes	13	0	0.02	NP
Calcium, Total (mg/L)	MW-02	-0.1125	-20	-39	No	13	0	0.02	NP
Calcium, Total (mg/L)	MW-03	-1.473	-44	-39	Yes	13	0	0.02	NP
Chemical Oxygen Demand (mg/L)	MW-01	0	36	68	No	19	73.68	0.02	NP
Chemical Oxygen Demand (mg/L)	MW-1A	0.6313	63	68	No	19	73.68	0.02	NP
Chemical Oxygen Demand (mg/L)	MW-02	1.284	90	68	Yes	19	100	0.02	NP
Chemical Oxygen Demand (mg/L)	MW-03	0.4824	59	68	No	19	57.89	0.02	NP
Chloride (mg/L)	MW-01	-1.159	-53	-68	No	19	0	0.02	NP
Chloride (mg/L)	MW-1A	-27.66	-46	-73	No	20	0	0.02	NP
Chloride (mg/L)	MW-02	0.1949	86	68	Yes	19	0	0.02	NP
Chloride (mg/L)	MW-03	-2.35	-82	-68	Yes	19	0	0.02	NP
Cyanide, Total (mg/L)	MW-01	-0.02287	-91	-68	Yes	19	100	0.02	NP
Cyanide, Total (mg/L)	MW-1A	-0.004919	-89	-68	Yes	19	94.74	0.02	NP
Cyanide, Total (mg/L)	MW-02	-0.02287	-91	-68	Yes	19	100	0.02	NP
Cyanide, Total (mg/L)	MW-03	-0.02287	-91	-68	Yes	19	94.74	0.02	NP
Iron, Total (mg/L)	MW-01	0.0165	25	73	No	20	10	0.02	NP
Iron, Total (mg/L)	MW-1A	0	-22	-68	No	19	68.42	0.02	NP
Iron, Total (mg/L)	MW-02	0	-46	-68	No	19	57.89	0.02	NP
Iron, Total (mg/L)	MW-03	0.01318	26	68	No	19	10.53	0.02	NP
Magnesium, Total (mg/L)	MW-01	-0.7859	-71	-68	Yes	19	0	0.02	NP
Magnesium, Total (mg/L)	MW-1A	-0.6598	-26	-68	No	19	0	0.02	NP
Magnesium, Total (mg/L)	MW-02	0.01061	11	68	No	19	0	0.02	NP
Magnesium, Total (mg/L)	MW-03	-0.2057	-63	-68	No	19	0	0.02	NP
Manganese, Dissolved (mg/L)	MW-01	-0.0002821	-81	-68	Yes	19	89.47	0.02	NP
Manganese, Dissolved (mg/L)	MW-1A	-0.0004636	-37	-68	No	19	36.84	0.02	NP
Manganese, Dissolved (mg/L)	MW-02	0.009352	84	73	Yes	20	0	0.02	NP
Manganese, Dissolved (mg/L)	MW-03	0.1946	44	73	No	20	0	0.02	NP
Nitrogen, Ammonia (mg/L)	MW-01	0	-10	-68	No	19	100	0.02	NP
Nitrogen, Ammonia (mg/L)	MW-1A	-0.01328	-41	-68	No	19	73.68	0.02	NP
Nitrogen, Ammonia (mg/L)	MW-02	0	-10	-68	No	19	100	0.02	NP
Nitrogen, Ammonia (mg/L)	MW-03	-0.3772	-87	-68	Yes	19	0	0.02	NP
Nitrogen, Nitrate (mg/L)	MW-01	-0.5388	-119	-73	Yes	20	30	0.02	NP
Nitrogen, Nitrate (mg/L)	MW-1A	-0.7763	-99	-78	Yes	21	28.57	0.02	NP
Nitrogen, Nitrate (mg/L)	MW-02	-0.5978	-83	-78	Yes	21	33.33	0.02	NP
Nitrogen, Nitrate (mg/L)	MW-03	-0.3015	-65	-78	No	21	57.14	0.02	NP
Potassium, Total (mg/L)	MW-01	-0.03716	-31	-68	No	19	0	0.02	NP
Potassium, Total (mg/L)	MW-1A	2.447	40	68	No	19	0	0.02	NP
Potassium, Total (mg/L)	MW-02	0.0596	57	68	No	19	0	0.02	NP
Potassium, Total (mg/L)	MW-03	-0.1314	-34	-68	No	19	5.263	0.02	NP
Sodium, Total (mg/L)	MW-01	-0.1984	-23	-68	No	19	0	0.02	NP
Sodium, Total (mg/L)	MW-1A	2.523	13	68	No	19	0	0.02	NP
Sodium, Total (mg/L)	MW-02	0.1485	78	68	Yes	19	0	0.02	NP
Sodium, Total (mg/L)	MW-03	-1.709	-67	-68	No	19	0	0.02	NP
Solids, Total Dissolved (mg/L)	MW-01	-11.23	-107	-68	Yes	19	0	0.02	NP
Solids, Total Dissolved (mg/L)	MW-1A	-47.75	-48	-73	No	20	0	0.02	NP
Solids, Total Dissolved (mg/L)	MW-02	-1.435	-47	-73	No	20	0	0.02	NP
Solids, Total Dissolved (mg/L)	MW-03	-6.788	-72	-68	Yes	19	0	0.02	NP
Sulfate (mg/L)	MW-01	0.09823	50	68	No	19	42.11	0.02	NP
Sulfate (mg/L)	MW-1A	-0.893	-62	-68	No	19	0	0.02	NP
Sulfate (mg/L)	MW-02	0.3522	76	68	Yes	19	84.21	0.02	NP
Sulfate (mg/L)	MW-03	-0.3977	-19	-68	No	19	0	0.02	NP
Total Organic Carbon (mg/L)	MW-01	-0.2704	-56	-63	No	18	66.67	0.02	NP
Total Organic Carbon (mg/L)	MW-1A	-0.2649	-74	-63	Yes	18	50	0.02	NP
Total Organic Carbon (mg/L)	MW-02	0	-41	-63	No	18	77.78	0.02	NP
Total Organic Carbon (mg/L)	MW-03	-0.737	-79	-63	Yes	18	11.11	0.02	NP

APPENDIX B.

LABORATORY REPORT AND FIELD INFORMATION LOGS

January 13, 2026

Revised Report

Republic Services - EAG

Sample Delivery Group: L1923100
Samples Received: 12/02/2025
Project Number: 313-710
Description: Matlock Bend LF - Loudon, TN

Report To: Stoddard Pickrell
21712 TN-72
Loudon, TN 37774

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Entire Report Reviewed By:



Chris McCord
Project Manager

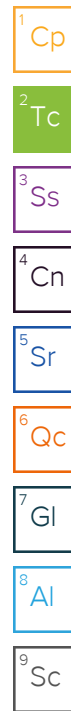
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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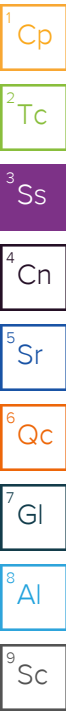


SAMPLE SUMMARY

MW-01 L1923100-01

Collected by
Blake King
Collected date/time
12/01/25 13:58
Received date/time
12/02/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2650542	1	12/02/25 15:19	12/02/25 18:29	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2650551	1	12/04/25 11:09	12/04/25 11:09	RJP	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2650666	1	12/02/25 18:30	12/02/25 18:30	RTW	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2651888	1	12/04/25 10:26	12/04/25 16:23	ARV	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2016	WG2650575	1	12/02/25 19:36	12/03/25 09:13	AMJ	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2650316	1	12/02/25 19:10	12/02/25 19:10	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2651402	1	12/04/25 05:26	12/04/25 05:26	TMH	Mt. Juliet, TN
Mercury by Method 7470A	WG2650502	1	12/03/25 13:55	12/04/25 16:13	SDG	Mt. Juliet, TN
Mercury by Method 7470A	WG2652912	1	12/08/25 14:04	12/09/25 09:39	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650503	1	12/03/25 08:44	12/04/25 19:19	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650567	1	12/03/25 16:53	12/18/25 13:19	TMT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2651791	1	12/04/25 14:38	12/08/25 11:40	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2650419	1	12/02/25 15:00	12/02/25 15:00	GLN	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2653781	1	12/08/25 12:45	12/08/25 21:31	LJD	Mt. Juliet, TN



MW-1A L1923100-02

Collected by
Blake King
Collected date/time
12/01/25 14:55
Received date/time
12/02/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2650542	1	12/02/25 15:19	12/02/25 18:29	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2650551	1	12/04/25 11:13	12/04/25 11:13	RJP	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2650666	1	12/02/25 18:34	12/02/25 18:34	RTW	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2651888	1	12/04/25 10:26	12/04/25 16:23	ARV	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2016	WG2650575	1	12/02/25 19:36	12/03/25 09:14	AMJ	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2650316	1	12/02/25 19:56	12/02/25 19:56	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2651402	1	12/04/25 05:45	12/04/25 05:45	TMH	Mt. Juliet, TN
Mercury by Method 7470A	WG2650502	1	12/03/25 13:55	12/04/25 16:16	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650503	1	12/03/25 08:44	12/04/25 19:22	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650567	1	12/03/25 16:53	12/18/25 13:22	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2650419	1	12/02/25 15:20	12/02/25 15:20	GLN	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2653781	1	12/08/25 12:45	12/08/25 21:41	LJD	Mt. Juliet, TN

MW-02 L1923100-03

Collected by
Blake King
Collected date/time
12/01/25 15:20
Received date/time
12/02/25 08:00

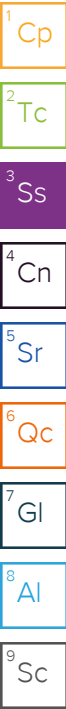
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2650542	1	12/02/25 15:19	12/02/25 18:29	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2650551	1	12/04/25 11:17	12/04/25 11:17	RJP	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2650666	1	12/02/25 18:36	12/02/25 18:36	RTW	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2651888	1	12/04/25 10:26	12/04/25 16:24	ARV	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2016	WG2650575	1	12/02/25 19:36	12/03/25 09:19	AMJ	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2650316	1	12/02/25 20:12	12/02/25 20:12	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2651920	1	12/04/25 18:58	12/04/25 18:58	TMH	Mt. Juliet, TN
Mercury by Method 7470A	WG2650502	1	12/03/25 13:55	12/04/25 16:24	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650503	1	12/03/25 08:44	12/04/25 19:25	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650567	1	12/03/25 16:53	12/18/25 13:25	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2650419	1	12/02/25 15:40	12/02/25 15:40	GLN	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2653781	1.01	12/08/25 12:45	12/08/25 21:51	LJD	Mt. Juliet, TN

SAMPLE SUMMARY

MW-03 L1923100-04

Collected by
Blake King
Collected date/time
12/01/25 11:58
Received date/time
12/02/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2650542	1	12/02/25 15:19	12/02/25 18:29	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2650551	1	12/04/25 11:20	12/04/25 11:20	RJP	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2650666	1	12/02/25 18:37	12/02/25 18:37	RTW	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2651888	1	12/04/25 10:26	12/04/25 16:24	ARV	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2016	WG2650575	1	12/02/25 19:36	12/03/25 09:24	AMJ	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2650316	1	12/02/25 20:28	12/02/25 20:28	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2651920	1	12/04/25 19:18	12/04/25 19:18	TMH	Mt. Juliet, TN
Mercury by Method 7470A	WG2650502	1	12/03/25 13:55	12/04/25 16:27	SDG	Mt. Juliet, TN
Mercury by Method 7470A	WG2652912	1	12/08/25 14:04	12/09/25 09:42	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650503	1	12/03/25 08:44	12/04/25 19:28	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650567	1	12/03/25 16:53	12/18/25 13:28	TMT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2651791	1	12/04/25 14:38	12/08/25 11:43	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2650419	1	12/02/25 16:00	12/02/25 16:00	GLN	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2653781	1	12/08/25 12:45	12/08/25 22:01	LJD	Mt. Juliet, TN



MW-5 L1923100-05

Collected by
Blake King
Collected date/time
12/01/25 11:09
Received date/time
12/02/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2650447	1	12/04/25 12:33	12/04/25 12:33	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2650502	1	12/03/25 13:55	12/04/25 16:30	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650567	1	12/03/25 16:53	12/18/25 13:40	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2650520	1	12/02/25 16:58	12/02/25 16:58	DYW	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2653781	1.04	12/08/25 12:45	12/08/25 22:11	LJD	Mt. Juliet, TN

MW-6R L1923100-06

Collected by
Blake King
Collected date/time
12/01/25 13:10
Received date/time
12/02/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2650447	1	12/04/25 13:19	12/04/25 13:19	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2650502	1	12/03/25 13:55	12/04/25 16:34	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650567	1	12/03/25 16:53	12/18/25 13:43	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2650419	1	12/02/25 16:20	12/02/25 16:20	GLN	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2653781	1	12/08/25 12:45	12/08/25 22:22	LJD	Mt. Juliet, TN

MW-07 L1923100-07

Collected by
Blake King
Collected date/time
12/01/25 10:16
Received date/time
12/02/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2650447	1	12/04/25 13:56	12/04/25 13:56	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2650502	1	12/03/25 13:55	12/04/25 16:36	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650567	1	12/03/25 16:53	12/18/25 13:46	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2650419	1	12/02/25 16:40	12/02/25 16:40	GLN	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2653781	1.02	12/08/25 12:45	12/08/25 23:02	LJD	Mt. Juliet, TN

SPRING L1923100-08

Collected by
Blake King
Collected date/time
12/01/25 14:08
Received date/time
12/02/25 08:00

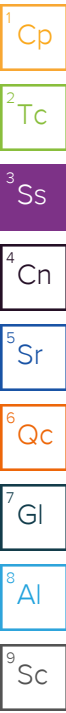
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2650542	1	12/02/25 15:19	12/02/25 18:29	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2650551	1	12/04/25 11:34	12/04/25 11:34	RJP	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2650666	1	12/02/25 18:39	12/02/25 18:39	RTW	Mt. Juliet, TN

SAMPLE SUMMARY

SPRING L1923100-08

Collected by: Blake King
 Collected date/time: 12/01/25 14:08
 Received date/time: 12/02/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 410.4	WG2651888	1	12/04/25 10:26	12/04/25 16:25	ARV	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2016	WG2650575	1	12/02/25 19:36	12/03/25 09:26	AMJ	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2650316	1	12/02/25 20:43	12/02/25 20:43	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2650316	5	12/02/25 20:59	12/02/25 20:59	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2651920	1	12/04/25 20:19	12/04/25 20:19	TMH	Mt. Juliet, TN
Mercury by Method 7470A	WG2650502	1	12/03/25 13:55	12/04/25 16:39	SDG	Mt. Juliet, TN
Mercury by Method 7470A	WG2652912	1	12/08/25 14:04	12/09/25 09:44	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650503	1	12/03/25 08:44	12/04/25 19:31	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650567	1	12/03/25 16:53	12/18/25 13:49	TMT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2651791	1	12/04/25 14:38	12/08/25 12:26	JDB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2651791	5	12/04/25 14:38	12/10/25 13:09	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2650419	1	12/02/25 17:00	12/02/25 17:00	GLN	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2653781	1.01	12/08/25 12:45	12/08/25 23:12	LJD	Mt. Juliet, TN



SOUTHWEST SPRING L1923100-09

Collected by: Blake King
 Collected date/time: 12/01/25 15:40
 Received date/time: 12/02/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2650542	1	12/02/25 15:19	12/02/25 18:29	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2650551	1	12/04/25 11:38	12/04/25 11:38	RJP	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2650666	1	12/02/25 18:40	12/02/25 18:40	RTW	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2651888	2	12/04/25 10:26	12/04/25 16:25	ARV	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2016	WG2650575	1	12/02/25 19:36	12/03/25 09:27	AMJ	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2650316	1	12/02/25 21:14	12/02/25 21:14	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2650316	10	12/02/25 21:30	12/02/25 21:30	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2651920	1	12/04/25 21:24	12/04/25 21:24	TMH	Mt. Juliet, TN
Mercury by Method 7470A	WG2650502	1	12/03/25 13:55	12/04/25 16:42	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650503	1	12/03/25 08:44	12/04/25 19:34	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650567	1	12/03/25 16:53	12/18/25 13:52	TMT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650567	5	12/03/25 16:53	12/18/25 16:02	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2650419	1	12/02/25 17:20	12/02/25 17:20	GLN	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2653781	1.01	12/08/25 12:45	12/08/25 23:22	LJD	Mt. Juliet, TN

DUPLICATE L1923100-10

Collected by: Blake King
 Collected date/time: 12/01/25 00:00
 Received date/time: 12/02/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2650542	1	12/02/25 15:19	12/02/25 18:29	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2650551	1	12/04/25 11:42	12/04/25 11:42	RJP	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2650666	1	12/02/25 18:46	12/02/25 18:46	RTW	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2651888	2	12/04/25 10:26	12/04/25 16:25	ARV	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2016	WG2650575	1	12/02/25 19:36	12/03/25 09:29	AMJ	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2650316	1	12/02/25 18:39	12/02/25 18:39	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2650316	20	12/04/25 22:47	12/04/25 22:47	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2651920	1	12/04/25 22:02	12/04/25 22:02	TMH	Mt. Juliet, TN
Mercury by Method 7470A	WG2650502	1	12/03/25 13:55	12/04/25 16:44	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650503	1	12/03/25 08:44	12/04/25 19:37	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650567	1	12/03/25 16:53	12/18/25 13:55	TMT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650567	5	12/03/25 16:53	12/18/25 16:05	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2650419	1	12/02/25 17:41	12/02/25 17:41	GLN	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2653781	1.09	12/08/25 12:45	12/08/25 23:32	LJD	Mt. Juliet, TN

SAMPLE SUMMARY

FIELD BLANK L1923100-11

Collected by
Blake King

Collected date/time
12/01/25 08:50

Received date/time
12/02/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2650542	1	12/02/25 15:19	12/02/25 18:29	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2650561	1	12/04/25 15:29	12/04/25 15:29	RJP	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2650666	1	12/02/25 18:48	12/02/25 18:48	RTW	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2651888	1	12/04/25 10:26	12/04/25 16:25	ARV	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2016	WG2650575	1	12/02/25 19:36	12/03/25 09:30	AMJ	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2650316	1	12/02/25 22:17	12/02/25 22:17	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2651920	1	12/04/25 22:21	12/04/25 22:21	TMH	Mt. Juliet, TN
Mercury by Method 7470A	WG2650502	1	12/03/25 13:55	12/04/25 16:47	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650503	1	12/03/25 08:44	12/04/25 19:40	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2650567	1	12/03/25 16:53	12/18/25 13:58	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2650419	1	12/02/25 13:00	12/02/25 13:00	GLN	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2653781	1.05	12/08/25 12:45	12/08/25 23:43	LJD	Mt. Juliet, TN

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

TRIP BLANK L1923100-12

Collected by
Blake King

Collected date/time
12/01/25 00:00

Received date/time
12/02/25 08:00

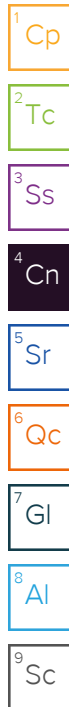
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2650419	1	12/02/25 13:20	12/02/25 13:20	GLN	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2653781	1	12/08/25 12:45	12/08/25 23:53	LJD	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager



Report Revision History

Level II Report - Version 1: 12/24/25 10:24

Project Narrative

1/7/26: Revised to include field data and remove Dissolved Tin which was incorrectly reporting.

Sample Delivery Group (SDG) Narrative

Analysis was filtered in the laboratory.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1923100-01	MW-01	6020B, 7470A
L1923100-02	MW-1A	6020B
L1923100-03	MW-02	6020B
L1923100-04	MW-03	6020B, 7470A
L1923100-08	SPRING	7470A, 6020B
L1923100-09	SOUTHWEST SPRING	6020B
L1923100-10	DUPLICATE	6020B
L1923100-11	FIELD BLANK	6020B

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth To Water (onsite)	9.28	ft
Temperature (on-site)	14.8	Deg C
pH (on site)	6.44	su
Specific Conductance (on site)	451.1	uS/cm
Turbidity (on-site)	93.08	NTU
Dissolved Oxygen (on-site)	1.74	mg/l
eH/ORP (on site)	185.4	mV

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	204		10.0	1	12/02/2025 18:29	WG2650542

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	183		20.0	1	12/04/2025 11:09	WG2650551

Sample Narrative:

L1923100-01 WG2650551: Endpoint pH 4.5

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	12/02/2025 18:30	WG2650666

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
COD	ND		20.0	1	12/04/2025 16:23	WG2651888

Wet Chemistry by Method 4500CN E-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.00500	1	12/03/2025 09:13	WG2650575

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	19.3		1.00	1	12/02/2025 19:10	WG2650316
Fluoride	ND		0.150	1	12/02/2025 19:10	WG2650316
Nitrate as (N)	1.21		0.100	1	12/02/2025 19:10	WG2650316
Sulfate	ND		5.00	1	12/02/2025 19:10	WG2650316

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	ND		1.00	1	12/04/2025 05:26	WG2651402

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	0.00126		0.000200	1	12/04/2025 16:13	WG2650502
Mercury,Dissolved	ND		0.000200	1	12/09/2025 09:39	WG2652912

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony	ND		0.00400	1	12/18/2025 13:19	WG2650567
Antimony,Dissolved	ND		0.00400	1	12/08/2025 11:40	WG2651791
Arsenic	ND		0.00200	1	12/18/2025 13:19	WG2650567
Arsenic,Dissolved	ND		0.00200	1	12/08/2025 11:40	WG2651791
Barium	0.0266		0.00200	1	12/18/2025 13:19	WG2650567
Barium,Dissolved	0.0258		0.00200	1	12/08/2025 11:40	WG2651791
Beryllium	ND		0.00200	1	12/18/2025 13:19	WG2650567
Beryllium,Dissolved	ND		0.00200	1	12/08/2025 11:40	WG2651791
Cadmium	ND		0.00100	1	12/18/2025 13:19	WG2650567
Cadmium,Dissolved	ND		0.00100	1	12/08/2025 11:40	WG2651791
Calcium	39.5		1.00	1	12/18/2025 13:19	WG2650567
Calcium,Dissolved	39.3		1.00	1	12/08/2025 11:40	WG2651791
Chromium	ND		0.00200	1	12/18/2025 13:19	WG2650567
Chromium,Dissolved	ND		0.00200	1	12/08/2025 11:40	WG2651791
Copper	ND		0.00500	1	12/18/2025 13:19	WG2650567
Copper,Dissolved	ND		0.00500	1	12/08/2025 11:40	WG2651791
Cobalt	ND		0.00200	1	12/18/2025 13:19	WG2650567
Cobalt,Dissolved	ND		0.00200	1	12/08/2025 11:40	WG2651791
Iron	0.161		0.100	1	12/18/2025 13:19	WG2650567
Iron,Dissolved	ND		0.100	1	12/08/2025 11:40	WG2651791
Lead	ND		0.00200	1	12/18/2025 13:19	WG2650567
Lead,Dissolved	ND		0.00200	1	12/08/2025 11:40	WG2651791
Magnesium	24.4		1.00	1	12/18/2025 13:19	WG2650567
Magnesium,Dissolved	23.6		1.00	1	12/08/2025 11:40	WG2651791
Manganese,Dissolved	0.00801		0.00500	1	12/04/2025 19:19	WG2650503
Nickel	0.00236		0.00200	1	12/18/2025 13:19	WG2650567
Nickel,Dissolved	ND		0.00200	1	12/08/2025 11:40	WG2651791
Potassium	2.58		2.00	1	12/18/2025 13:19	WG2650567
Potassium,Dissolved	2.61		2.00	1	12/08/2025 11:40	WG2651791
Selenium	ND		0.00200	1	12/18/2025 13:19	WG2650567
Selenium,Dissolved	ND		0.00200	1	12/08/2025 11:40	WG2651791
Silver	ND		0.00200	1	12/18/2025 13:19	WG2650567
Silver,Dissolved	ND		0.00200	1	12/08/2025 11:40	WG2651791
Sodium	10.7		2.00	1	12/18/2025 13:19	WG2650567
Sodium,Dissolved	10.2		2.00	1	12/08/2025 11:40	WG2651791
Thallium	ND		0.00200	1	12/18/2025 13:19	WG2650567
Thallium,Dissolved	ND		0.00200	1	12/08/2025 11:40	WG2651791
Vanadium	ND		0.00500	1	12/18/2025 13:19	WG2650567
Vanadium,Dissolved	ND		0.00500	1	12/08/2025 11:40	WG2651791
Zinc	ND		0.0250	1	12/18/2025 13:19	WG2650567
Zinc,Dissolved	ND		0.0250	1	12/08/2025 11:40	WG2651791

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	12/02/2025 15:00	WG2650419
Acrylonitrile	ND		0.0100	1	12/02/2025 15:00	WG2650419
Benzene	ND		0.00100	1	12/02/2025 15:00	WG2650419
Bromochloromethane	ND		0.00100	1	12/02/2025 15:00	WG2650419

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Bromodichloromethane	ND		0.00100	1	12/02/2025 15:00	WG2650419
Bromoform	ND		0.00100	1	12/02/2025 15:00	WG2650419
Bromomethane	ND		0.00500	1	12/02/2025 15:00	WG2650419
Carbon disulfide	ND		0.00100	1	12/02/2025 15:00	WG2650419
Carbon tetrachloride	ND		0.00100	1	12/02/2025 15:00	WG2650419
Chlorobenzene	ND		0.00100	1	12/02/2025 15:00	WG2650419
Chlorodibromomethane	ND		0.00100	1	12/02/2025 15:00	WG2650419
Chloroethane	ND		0.00500	1	12/02/2025 15:00	WG2650419
Chloroform	ND		0.00500	1	12/02/2025 15:00	WG2650419
Chloromethane	ND	C3	0.00500	1	12/02/2025 15:00	WG2650419
Dibromomethane	ND		0.00100	1	12/02/2025 15:00	WG2650419
1,2-Dichlorobenzene	ND		0.00100	1	12/02/2025 15:00	WG2650419
1,4-Dichlorobenzene	ND		0.00100	1	12/02/2025 15:00	WG2650419
trans-1,4-Dichloro-2-butene	ND		0.00250	1	12/02/2025 15:00	WG2650419
1,1-Dichloroethane	ND		0.00100	1	12/02/2025 15:00	WG2650419
1,2-Dichloroethane	ND		0.00100	1	12/02/2025 15:00	WG2650419
1,1-Dichloroethene	ND		0.00100	1	12/02/2025 15:00	WG2650419
cis-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 15:00	WG2650419
trans-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 15:00	WG2650419
1,2-Dichloropropane	ND		0.00100	1	12/02/2025 15:00	WG2650419
cis-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 15:00	WG2650419
trans-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 15:00	WG2650419
Ethylbenzene	ND		0.00100	1	12/02/2025 15:00	WG2650419
2-Hexanone	ND		0.0200	1	12/02/2025 15:00	WG2650419
Iodomethane	ND	C3	0.0300	1	12/02/2025 15:00	WG2650419
2-Butanone (MEK)	ND		0.0200	1	12/02/2025 15:00	WG2650419
Methylene Chloride	ND		0.00500	1	12/02/2025 15:00	WG2650419
4-Methyl-2-pentanone (MIBK)	ND		0.0200	1	12/02/2025 15:00	WG2650419
Styrene	ND		0.00100	1	12/02/2025 15:00	WG2650419
1,1,1,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 15:00	WG2650419
1,1,2,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 15:00	WG2650419
Tetrachloroethene	ND		0.00100	1	12/02/2025 15:00	WG2650419
Toluene	ND		0.00100	1	12/02/2025 15:00	WG2650419
1,1,1-Trichloroethane	ND		0.00100	1	12/02/2025 15:00	WG2650419
1,1,2-Trichloroethane	ND		0.00100	1	12/02/2025 15:00	WG2650419
Trichloroethene	ND		0.00100	1	12/02/2025 15:00	WG2650419
Trichlorofluoromethane	ND		0.00500	1	12/02/2025 15:00	WG2650419
1,2,3-Trichloropropane	ND		0.00250	1	12/02/2025 15:00	WG2650419
Vinyl acetate	ND	J4	0.0100	1	12/02/2025 15:00	WG2650419
Vinyl chloride	ND		0.00100	1	12/02/2025 15:00	WG2650419
Xylenes, Total	ND		0.00300	1	12/02/2025 15:00	WG2650419
(S) Toluene-d8	103		80.0-120		12/02/2025 15:00	WG2650419
(S) 4-Bromofluorobenzene	96.2		77.0-126		12/02/2025 15:00	WG2650419
(S) 1,2-Dichloroethane-d4	106		70.0-130		12/02/2025 15:00	WG2650419

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

EDB / DBCP by Method 8011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	ND		0.0000200	1	12/08/2025 21:31	WG2653781
1,2-Dibromo-3-Chloropropane	ND		0.0000200	1	12/08/2025 21:31	WG2653781
(S) 1,1,1,2-Tetrachloroethane	106		60.0-140		12/08/2025 21:31	WG2653781

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth To Water (onsite)	15.04	ft
Temperature (on-site)	15.5	Deg C
pH (on site)	6.81	su
Specific Conductance (on site)	979	uS/cm
Turbidity (on-site)	5.8	NTU
Dissolved Oxygen (on-site)	1	mg/l
eH/ORP (on site)	165	mV

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	400		10.0	1	12/02/2025 18:29	WG2650542

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	257		20.0	1	12/04/2025 11:13	WG2650551

Sample Narrative:

L1923100-02 WG2650551: Endpoint pH 4.5

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	12/02/2025 18:34	WG2650666

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
COD	ND		20.0	1	12/04/2025 16:23	WG2651888

Wet Chemistry by Method 4500CN E-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Cyanide	ND	J6	0.00500	1	12/03/2025 09:14	WG2650575

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	76.0		1.00	1	12/02/2025 19:56	WG2650316
Fluoride	ND		0.150	1	12/02/2025 19:56	WG2650316
Nitrate as (N)	4.33		0.100	1	12/02/2025 19:56	WG2650316
Sulfate	24.2		5.00	1	12/02/2025 19:56	WG2650316

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	ND		1.00	1	12/04/2025 05:45	WG2651402

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.000200	1	12/04/2025 16:16	WG2650502

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Antimony	ND		0.00400	1	12/18/2025 13:22	WG2650567
Arsenic	ND		0.00200	1	12/18/2025 13:22	WG2650567
Barium	0.0849		0.00200	1	12/18/2025 13:22	WG2650567
Beryllium	ND		0.00200	1	12/18/2025 13:22	WG2650567
Cadmium	ND		0.00100	1	12/18/2025 13:22	WG2650567
Calcium	66.5		1.00	1	12/18/2025 13:22	WG2650567
Chromium	ND		0.00200	1	12/18/2025 13:22	WG2650567
Copper	ND		0.00500	1	12/18/2025 13:22	WG2650567
Cobalt	ND		0.00200	1	12/18/2025 13:22	WG2650567
Iron	ND		0.100	1	12/18/2025 13:22	WG2650567
Lead	ND		0.00200	1	12/18/2025 13:22	WG2650567
Magnesium	28.5		1.00	1	12/18/2025 13:22	WG2650567
Manganese,Dissolved	ND		0.00500	1	12/04/2025 19:22	WG2650503
Nickel	ND		0.00200	1	12/18/2025 13:22	WG2650567
Potassium	24.3		2.00	1	12/18/2025 13:22	WG2650567
Selenium	ND		0.00200	1	12/18/2025 13:22	WG2650567
Silver	ND		0.00200	1	12/18/2025 13:22	WG2650567
Sodium	49.6		2.00	1	12/18/2025 13:22	WG2650567
Thallium	ND		0.00200	1	12/18/2025 13:22	WG2650567
Vanadium	ND		0.00500	1	12/18/2025 13:22	WG2650567
Zinc	ND		0.0250	1	12/18/2025 13:22	WG2650567

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	12/02/2025 15:20	WG2650419
Acrylonitrile	ND		0.0100	1	12/02/2025 15:20	WG2650419
Benzene	ND		0.00100	1	12/02/2025 15:20	WG2650419
Bromochloromethane	ND		0.00100	1	12/02/2025 15:20	WG2650419
Bromodichloromethane	ND		0.00100	1	12/02/2025 15:20	WG2650419
Bromoform	ND		0.00100	1	12/02/2025 15:20	WG2650419
Bromomethane	ND		0.00500	1	12/02/2025 15:20	WG2650419
Carbon disulfide	ND		0.00100	1	12/02/2025 15:20	WG2650419
Carbon tetrachloride	ND		0.00100	1	12/02/2025 15:20	WG2650419
Chlorobenzene	ND		0.00100	1	12/02/2025 15:20	WG2650419
Chlorodibromomethane	ND		0.00100	1	12/02/2025 15:20	WG2650419
Chloroethane	ND		0.00500	1	12/02/2025 15:20	WG2650419
Chloroform	ND		0.00500	1	12/02/2025 15:20	WG2650419
Chloromethane	ND	C3	0.00500	1	12/02/2025 15:20	WG2650419
Dibromomethane	ND		0.00100	1	12/02/2025 15:20	WG2650419
1,2-Dichlorobenzene	ND		0.00100	1	12/02/2025 15:20	WG2650419
1,4-Dichlorobenzene	ND		0.00100	1	12/02/2025 15:20	WG2650419
trans-1,4-Dichloro-2-butene	ND		0.00250	1	12/02/2025 15:20	WG2650419
1,1-Dichloroethane	ND		0.00100	1	12/02/2025 15:20	WG2650419
1,2-Dichloroethane	ND		0.00100	1	12/02/2025 15:20	WG2650419
1,1-Dichloroethene	ND		0.00100	1	12/02/2025 15:20	WG2650419
cis-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 15:20	WG2650419
trans-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 15:20	WG2650419
1,2-Dichloropropane	ND		0.00100	1	12/02/2025 15:20	WG2650419
cis-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 15:20	WG2650419

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 15:20	WG2650419
Ethylbenzene	ND		0.00100	1	12/02/2025 15:20	WG2650419
2-Hexanone	ND		0.0200	1	12/02/2025 15:20	WG2650419
Iodomethane	ND	<u>C3</u>	0.0300	1	12/02/2025 15:20	WG2650419
2-Butanone (MEK)	ND		0.0200	1	12/02/2025 15:20	WG2650419
Methylene Chloride	ND		0.00500	1	12/02/2025 15:20	WG2650419
4-Methyl-2-pentanone (MIBK)	ND		0.0200	1	12/02/2025 15:20	WG2650419
Styrene	ND		0.00100	1	12/02/2025 15:20	WG2650419
1,1,1,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 15:20	WG2650419
1,1,2,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 15:20	WG2650419
Tetrachloroethene	ND		0.00100	1	12/02/2025 15:20	WG2650419
Toluene	ND		0.00100	1	12/02/2025 15:20	WG2650419
1,1,1-Trichloroethane	ND		0.00100	1	12/02/2025 15:20	WG2650419
1,1,2-Trichloroethane	ND		0.00100	1	12/02/2025 15:20	WG2650419
Trichloroethene	ND		0.00100	1	12/02/2025 15:20	WG2650419
Trichlorofluoromethane	ND		0.00500	1	12/02/2025 15:20	WG2650419
1,2,3-Trichloropropane	ND		0.00250	1	12/02/2025 15:20	WG2650419
Vinyl acetate	ND	<u>J4</u>	0.0100	1	12/02/2025 15:20	WG2650419
Vinyl chloride	ND		0.00100	1	12/02/2025 15:20	WG2650419
Xylenes, Total	ND		0.00300	1	12/02/2025 15:20	WG2650419
(S) Toluene-d8	101		80.0-120		12/02/2025 15:20	WG2650419
(S) 4-Bromofluorobenzene	95.3		77.0-126		12/02/2025 15:20	WG2650419
(S) 1,2-Dichloroethane-d4	105		70.0-130		12/02/2025 15:20	WG2650419

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

EDB / DBCP by Method 8011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	ND		0.0000200	1	12/08/2025 21:41	WG2653781
1,2-Dibromo-3-Chloropropane	ND		0.0000200	1	12/08/2025 21:41	WG2653781
(S) 1,1,1,2-Tetrachloroethane	106		60.0-140		12/08/2025 21:41	WG2653781

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth To Water (onsite)	27.02	ft
Temperature (on-site)	14.5	Deg C
pH (on site)	4.87	su
Specific Conductance (on site)	76.4	uS/cm
Turbidity (on-site)	2.8	NTU
Dissolved Oxygen (on-site)	3	mg/l
eH/ORP (on site)	295	mV

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	54.0		10.0	1	12/02/2025 18:29	WG2650542

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	ND		20.0	1	12/04/2025 11:17	WG2650551

Sample Narrative:

L1923100-03 WG2650551: Endpoint pH 4.5

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	12/02/2025 18:36	WG2650666

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
COD	ND		20.0	1	12/04/2025 16:24	WG2651888

Wet Chemistry by Method 4500CN E-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Cyanide	ND	P1	0.00500	1	12/03/2025 09:19	WG2650575

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	4.38		1.00	1	12/02/2025 20:12	WG2650316
Fluoride	ND		0.150	1	12/02/2025 20:12	WG2650316
Nitrate as (N)	4.20		0.100	1	12/02/2025 20:12	WG2650316
Sulfate	ND		5.00	1	12/02/2025 20:12	WG2650316

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	ND		1.00	1	12/04/2025 18:58	WG2651920

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.000200	1	12/04/2025 16:24	WG2650502

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Antimony	ND		0.00400	1	12/18/2025 13:25	WG2650567
Arsenic	ND		0.00200	1	12/18/2025 13:25	WG2650567
Barium	0.0711		0.00200	1	12/18/2025 13:25	WG2650567
Beryllium	0.00277		0.00200	1	12/18/2025 13:25	WG2650567
Cadmium	0.00255		0.00100	1	12/18/2025 13:25	WG2650567
Calcium	2.18		1.00	1	12/18/2025 13:25	WG2650567
Chromium	ND		0.00200	1	12/18/2025 13:25	WG2650567
Copper	ND		0.00500	1	12/18/2025 13:25	WG2650567
Cobalt	ND		0.00200	1	12/18/2025 13:25	WG2650567
Iron	ND		0.100	1	12/18/2025 13:25	WG2650567
Lead	ND		0.00200	1	12/18/2025 13:25	WG2650567
Magnesium	1.89		1.00	1	12/18/2025 13:25	WG2650567
Manganese,Dissolved	0.141		0.00500	1	12/04/2025 19:25	WG2650503
Nickel	0.0395		0.00200	1	12/18/2025 13:25	WG2650567
Potassium	3.03		2.00	1	12/18/2025 13:25	WG2650567
Selenium	ND		0.00200	1	12/18/2025 13:25	WG2650567
Silver	ND		0.00200	1	12/18/2025 13:25	WG2650567
Sodium	3.55		2.00	1	12/18/2025 13:25	WG2650567
Thallium	ND		0.00200	1	12/18/2025 13:25	WG2650567
Vanadium	ND		0.00500	1	12/18/2025 13:25	WG2650567
Zinc	0.378		0.0250	1	12/18/2025 13:25	WG2650567

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	12/02/2025 15:40	WG2650419
Acrylonitrile	ND		0.0100	1	12/02/2025 15:40	WG2650419
Benzene	ND		0.00100	1	12/02/2025 15:40	WG2650419
Bromochloromethane	ND		0.00100	1	12/02/2025 15:40	WG2650419
Bromodichloromethane	ND		0.00100	1	12/02/2025 15:40	WG2650419
Bromoform	ND		0.00100	1	12/02/2025 15:40	WG2650419
Bromomethane	ND		0.00500	1	12/02/2025 15:40	WG2650419
Carbon disulfide	ND		0.00100	1	12/02/2025 15:40	WG2650419
Carbon tetrachloride	ND		0.00100	1	12/02/2025 15:40	WG2650419
Chlorobenzene	ND		0.00100	1	12/02/2025 15:40	WG2650419
Chlorodibromomethane	ND		0.00100	1	12/02/2025 15:40	WG2650419
Chloroethane	ND		0.00500	1	12/02/2025 15:40	WG2650419
Chloroform	ND		0.00500	1	12/02/2025 15:40	WG2650419
Chloromethane	ND	C3	0.00500	1	12/02/2025 15:40	WG2650419
Dibromomethane	ND		0.00100	1	12/02/2025 15:40	WG2650419
1,2-Dichlorobenzene	ND		0.00100	1	12/02/2025 15:40	WG2650419
1,4-Dichlorobenzene	ND		0.00100	1	12/02/2025 15:40	WG2650419
trans-1,4-Dichloro-2-butene	ND		0.00250	1	12/02/2025 15:40	WG2650419
1,1-Dichloroethane	ND		0.00100	1	12/02/2025 15:40	WG2650419
1,2-Dichloroethane	ND		0.00100	1	12/02/2025 15:40	WG2650419
1,1-Dichloroethene	ND		0.00100	1	12/02/2025 15:40	WG2650419
cis-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 15:40	WG2650419
trans-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 15:40	WG2650419
1,2-Dichloropropane	ND		0.00100	1	12/02/2025 15:40	WG2650419
cis-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 15:40	WG2650419

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 15:40	WG2650419
Ethylbenzene	ND		0.00100	1	12/02/2025 15:40	WG2650419
2-Hexanone	ND		0.0200	1	12/02/2025 15:40	WG2650419
Iodomethane	ND	<u>C3</u>	0.0300	1	12/02/2025 15:40	WG2650419
2-Butanone (MEK)	ND		0.0200	1	12/02/2025 15:40	WG2650419
Methylene Chloride	ND		0.00500	1	12/02/2025 15:40	WG2650419
4-Methyl-2-pentanone (MIBK)	ND		0.0200	1	12/02/2025 15:40	WG2650419
Styrene	ND		0.00100	1	12/02/2025 15:40	WG2650419
1,1,1,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 15:40	WG2650419
1,1,2,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 15:40	WG2650419
Tetrachloroethene	ND		0.00100	1	12/02/2025 15:40	WG2650419
Toluene	ND		0.00100	1	12/02/2025 15:40	WG2650419
1,1,1-Trichloroethane	ND		0.00100	1	12/02/2025 15:40	WG2650419
1,1,2-Trichloroethane	ND		0.00100	1	12/02/2025 15:40	WG2650419
Trichloroethene	ND		0.00100	1	12/02/2025 15:40	WG2650419
Trichlorofluoromethane	ND		0.00500	1	12/02/2025 15:40	WG2650419
1,2,3-Trichloropropane	ND		0.00250	1	12/02/2025 15:40	WG2650419
Vinyl acetate	ND	<u>J4</u>	0.0100	1	12/02/2025 15:40	WG2650419
Vinyl chloride	ND		0.00100	1	12/02/2025 15:40	WG2650419
Xylenes, Total	ND		0.00300	1	12/02/2025 15:40	WG2650419
(S) Toluene-d8	99.4		80.0-120		12/02/2025 15:40	WG2650419
(S) 4-Bromofluorobenzene	94.5		77.0-126		12/02/2025 15:40	WG2650419
(S) 1,2-Dichloroethane-d4	108		70.0-130		12/02/2025 15:40	WG2650419

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

EDB / DBCP by Method 8011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	ND		0.0000202	1.01	12/08/2025 21:51	WG2653781
1,2-Dibromo-3-Chloropropane	ND		0.0000202	1.01	12/08/2025 21:51	WG2653781
(S) 1,1,1,2-Tetrachloroethane	111		60.0-140		12/08/2025 21:51	WG2653781

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth To Water (onsite)	17.53	ft
Temperature (on-site)	15.2	Deg C
pH (on site)	5.79	su
Specific Conductance (on site)	322	uS/cm
Turbidity (on-site)	129.63	NTU
Dissolved Oxygen (on-site)	1.58	mg/l
eH/ORP (on site)	218.7	mV

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	121		10.0	1	12/02/2025 18:29	WG2650542

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	30.3		20.0	1	12/04/2025 11:20	WG2650551

Sample Narrative:

L1923100-04 WG2650551: Endpoint pH 4.5

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.382		0.100	1	12/02/2025 18:37	WG2650666

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
COD	24.0		20.0	1	12/04/2025 16:24	WG2651888

Wet Chemistry by Method 4500CN E-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.00500	1	12/03/2025 09:24	WG2650575

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	28.5		1.00	1	12/02/2025 20:28	WG2650316
Fluoride	ND		0.150	1	12/02/2025 20:28	WG2650316
Nitrate as (N)	2.65		0.100	1	12/02/2025 20:28	WG2650316
Sulfate	17.5		5.00	1	12/02/2025 20:28	WG2650316

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1.27		1.00	1	12/04/2025 19:18	WG2651920

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	0.000306		0.000200	1	12/04/2025 16:27	WG2650502
Mercury,Dissolved	ND		0.000200	1	12/09/2025 09:42	WG2652912

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony	ND		0.00400	1	12/18/2025 13:28	WG2650567
Antimony,Dissolved	ND		0.00400	1	12/08/2025 11:43	WG2651791
Arsenic	ND		0.00200	1	12/18/2025 13:28	WG2650567
Arsenic,Dissolved	ND		0.00200	1	12/08/2025 11:43	WG2651791
Barium	0.0558		0.00200	1	12/18/2025 13:28	WG2650567
Barium,Dissolved	0.0455		0.00200	1	12/08/2025 11:43	WG2651791
Beryllium	ND		0.00200	1	12/18/2025 13:28	WG2650567
Beryllium,Dissolved	ND		0.00200	1	12/08/2025 11:43	WG2651791
Cadmium	ND		0.00100	1	12/18/2025 13:28	WG2650567
Cadmium,Dissolved	ND		0.00100	1	12/08/2025 11:43	WG2651791
Calcium	11.8		1.00	1	12/18/2025 13:28	WG2650567
Calcium,Dissolved	10.6		1.00	1	12/08/2025 11:43	WG2651791
Chromium	0.00432		0.00200	1	12/18/2025 13:28	WG2650567
Chromium,Dissolved	0.00300		0.00200	1	12/08/2025 11:43	WG2651791
Copper	ND		0.00500	1	12/18/2025 13:28	WG2650567
Copper,Dissolved	ND		0.00500	1	12/08/2025 11:43	WG2651791
Cobalt	0.0214		0.00200	1	12/18/2025 13:28	WG2650567
Cobalt,Dissolved	0.0116		0.00200	1	12/08/2025 11:43	WG2651791
Iron	0.242		0.100	1	12/18/2025 13:28	WG2650567
Iron,Dissolved	ND		0.100	1	12/08/2025 11:43	WG2651791
Lead	0.00213		0.00200	1	12/18/2025 13:28	WG2650567
Lead,Dissolved	ND		0.00200	1	12/08/2025 11:43	WG2651791
Magnesium	3.51		1.00	1	12/18/2025 13:28	WG2650567
Magnesium,Dissolved	3.12		1.00	1	12/08/2025 11:43	WG2651791
Manganese,Dissolved	3.70		0.00500	1	12/04/2025 19:28	WG2650503
Nickel	0.00851		0.00200	1	12/18/2025 13:28	WG2650567
Nickel,Dissolved	0.00727		0.00200	1	12/08/2025 11:43	WG2651791
Potassium	4.60		2.00	1	12/18/2025 13:28	WG2650567
Potassium,Dissolved	4.35		2.00	1	12/08/2025 11:43	WG2651791
Selenium	ND		0.00200	1	12/18/2025 13:28	WG2650567
Selenium,Dissolved	ND		0.00200	1	12/08/2025 11:43	WG2651791
Silver	ND		0.00200	1	12/18/2025 13:28	WG2650567
Silver,Dissolved	ND		0.00200	1	12/08/2025 11:43	WG2651791
Sodium	28.0		2.00	1	12/18/2025 13:28	WG2650567
Sodium,Dissolved	25.4		2.00	1	12/08/2025 11:43	WG2651791
Thallium	ND		0.00200	1	12/18/2025 13:28	WG2650567
Thallium,Dissolved	ND		0.00200	1	12/08/2025 11:43	WG2651791
Vanadium	ND		0.00500	1	12/18/2025 13:28	WG2650567
Vanadium,Dissolved	ND		0.00500	1	12/08/2025 11:43	WG2651791
Zinc	ND		0.0250	1	12/18/2025 13:28	WG2650567
Zinc,Dissolved	ND		0.0250	1	12/08/2025 11:43	WG2651791

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	12/02/2025 16:00	WG2650419
Acrylonitrile	ND		0.0100	1	12/02/2025 16:00	WG2650419
Benzene	ND		0.00100	1	12/02/2025 16:00	WG2650419
Bromochloromethane	ND		0.00100	1	12/02/2025 16:00	WG2650419

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromodichloromethane	ND		0.00100	1	12/02/2025 16:00	WG2650419
Bromoform	ND		0.00100	1	12/02/2025 16:00	WG2650419
Bromomethane	ND		0.00500	1	12/02/2025 16:00	WG2650419
Carbon disulfide	ND		0.00100	1	12/02/2025 16:00	WG2650419
Carbon tetrachloride	ND		0.00100	1	12/02/2025 16:00	WG2650419
Chlorobenzene	ND		0.00100	1	12/02/2025 16:00	WG2650419
Chlorodibromomethane	ND		0.00100	1	12/02/2025 16:00	WG2650419
Chloroethane	ND		0.00500	1	12/02/2025 16:00	WG2650419
Chloroform	ND		0.00500	1	12/02/2025 16:00	WG2650419
Chloromethane	ND	C3	0.00500	1	12/02/2025 16:00	WG2650419
Dibromomethane	ND		0.00100	1	12/02/2025 16:00	WG2650419
1,2-Dichlorobenzene	ND		0.00100	1	12/02/2025 16:00	WG2650419
1,4-Dichlorobenzene	ND		0.00100	1	12/02/2025 16:00	WG2650419
trans-1,4-Dichloro-2-butene	ND		0.00250	1	12/02/2025 16:00	WG2650419
1,1-Dichloroethane	ND		0.00100	1	12/02/2025 16:00	WG2650419
1,2-Dichloroethane	ND		0.00100	1	12/02/2025 16:00	WG2650419
1,1-Dichloroethene	ND		0.00100	1	12/02/2025 16:00	WG2650419
cis-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 16:00	WG2650419
trans-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 16:00	WG2650419
1,2-Dichloropropane	ND		0.00100	1	12/02/2025 16:00	WG2650419
cis-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 16:00	WG2650419
trans-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 16:00	WG2650419
Ethylbenzene	ND		0.00100	1	12/02/2025 16:00	WG2650419
2-Hexanone	ND		0.0200	1	12/02/2025 16:00	WG2650419
Iodomethane	ND	C3	0.0300	1	12/02/2025 16:00	WG2650419
2-Butanone (MEK)	ND		0.0200	1	12/02/2025 16:00	WG2650419
Methylene Chloride	ND		0.00500	1	12/02/2025 16:00	WG2650419
4-Methyl-2-pentanone (MIBK)	ND		0.0200	1	12/02/2025 16:00	WG2650419
Styrene	ND		0.00100	1	12/02/2025 16:00	WG2650419
1,1,1,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 16:00	WG2650419
1,1,2,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 16:00	WG2650419
Tetrachloroethene	ND		0.00100	1	12/02/2025 16:00	WG2650419
Toluene	ND		0.00100	1	12/02/2025 16:00	WG2650419
1,1,1-Trichloroethane	ND		0.00100	1	12/02/2025 16:00	WG2650419
1,1,2-Trichloroethane	ND		0.00100	1	12/02/2025 16:00	WG2650419
Trichloroethene	ND		0.00100	1	12/02/2025 16:00	WG2650419
Trichlorofluoromethane	ND		0.00500	1	12/02/2025 16:00	WG2650419
1,2,3-Trichloropropane	ND		0.00250	1	12/02/2025 16:00	WG2650419
Vinyl acetate	ND	J4	0.0100	1	12/02/2025 16:00	WG2650419
Vinyl chloride	ND		0.00100	1	12/02/2025 16:00	WG2650419
Xylenes, Total	ND		0.00300	1	12/02/2025 16:00	WG2650419
(S) Toluene-d8	101		80.0-120		12/02/2025 16:00	WG2650419
(S) 4-Bromofluorobenzene	94.9		77.0-126		12/02/2025 16:00	WG2650419
(S) 1,2-Dichloroethane-d4	107		70.0-130		12/02/2025 16:00	WG2650419

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ethylene Dibromide	ND		0.0000200	1	12/08/2025 22:01	WG2653781
1,2-Dibromo-3-Chloropropane	ND		0.0000200	1	12/08/2025 22:01	WG2653781
(S) 1,1,1,2-Tetrachloroethane	113		60.0-140		12/08/2025 22:01	WG2653781

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth To Water (onsite)	120.04	ft
Temperature (on-site)	14.9	Deg C
pH (on site)	7.71	su
Specific Conductance (on site)	295	uS/cm
Turbidity (on-site)	21.71	NTU
Dissolved Oxygen (on-site)	9.48	mg/l
eH/ORP (on site)	157.3	mV

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Fluoride	ND		0.150	1	12/04/2025 12:33	WG2650447

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.000200	1	12/04/2025 16:30	WG2650502

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Antimony	ND		0.00400	1	12/18/2025 13:40	WG2650567
Arsenic	ND		0.00200	1	12/18/2025 13:40	WG2650567
Barium	0.00893		0.00200	1	12/18/2025 13:40	WG2650567
Beryllium	ND		0.00200	1	12/18/2025 13:40	WG2650567
Cadmium	ND		0.00100	1	12/18/2025 13:40	WG2650567
Chromium	ND		0.00200	1	12/18/2025 13:40	WG2650567
Copper	ND		0.00500	1	12/18/2025 13:40	WG2650567
Cobalt	ND		0.00200	1	12/18/2025 13:40	WG2650567
Lead	ND		0.00200	1	12/18/2025 13:40	WG2650567
Nickel	ND		0.00200	1	12/18/2025 13:40	WG2650567
Selenium	ND		0.00200	1	12/18/2025 13:40	WG2650567
Silver	ND		0.00200	1	12/18/2025 13:40	WG2650567
Thallium	ND		0.00200	1	12/18/2025 13:40	WG2650567
Vanadium	ND		0.00500	1	12/18/2025 13:40	WG2650567
Zinc	ND		0.0250	1	12/18/2025 13:40	WG2650567

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Acetone	ND	J3 J4	0.0500	1	12/02/2025 16:58	WG2650520
Acrylonitrile	ND		0.0100	1	12/02/2025 16:58	WG2650520
Benzene	ND		0.00100	1	12/02/2025 16:58	WG2650520
Bromochloromethane	ND		0.00100	1	12/02/2025 16:58	WG2650520
Bromodichloromethane	ND		0.00100	1	12/02/2025 16:58	WG2650520
Bromoform	ND		0.00100	1	12/02/2025 16:58	WG2650520
Bromomethane	ND	C3	0.00500	1	12/02/2025 16:58	WG2650520
Carbon disulfide	ND		0.00100	1	12/02/2025 16:58	WG2650520
Carbon tetrachloride	ND		0.00100	1	12/02/2025 16:58	WG2650520
Chlorobenzene	ND		0.00100	1	12/02/2025 16:58	WG2650520
Chlorodibromomethane	ND		0.00100	1	12/02/2025 16:58	WG2650520
Chloroethane	ND		0.00500	1	12/02/2025 16:58	WG2650520
Chloroform	ND		0.00500	1	12/02/2025 16:58	WG2650520
Chloromethane	ND		0.00500	1	12/02/2025 16:58	WG2650520

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dibromomethane	ND		0.00100	1	12/02/2025 16:58	WG2650520
1,2-Dichlorobenzene	ND		0.00100	1	12/02/2025 16:58	WG2650520
1,4-Dichlorobenzene	ND		0.00100	1	12/02/2025 16:58	WG2650520
trans-1,4-Dichloro-2-butene	ND		0.00250	1	12/02/2025 16:58	WG2650520
1,1-Dichloroethane	ND		0.00100	1	12/02/2025 16:58	WG2650520
1,2-Dichloroethane	ND		0.00100	1	12/02/2025 16:58	WG2650520
1,1-Dichloroethene	ND		0.00100	1	12/02/2025 16:58	WG2650520
cis-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 16:58	WG2650520
trans-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 16:58	WG2650520
1,2-Dichloropropane	ND		0.00100	1	12/02/2025 16:58	WG2650520
cis-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 16:58	WG2650520
trans-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 16:58	WG2650520
Ethylbenzene	ND		0.00100	1	12/02/2025 16:58	WG2650520
2-Hexanone	ND		0.0200	1	12/02/2025 16:58	WG2650520
Iodomethane	ND	C3	0.0300	1	12/02/2025 16:58	WG2650520
2-Butanone (MEK)	ND	J3	0.0200	1	12/02/2025 16:58	WG2650520
Methylene Chloride	ND		0.00500	1	12/02/2025 16:58	WG2650520
4-Methyl-2-pentanone (MIBK)	ND		0.0200	1	12/02/2025 16:58	WG2650520
Styrene	ND		0.00100	1	12/02/2025 16:58	WG2650520
1,1,1,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 16:58	WG2650520
1,1,2,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 16:58	WG2650520
Tetrachloroethene	ND		0.00100	1	12/02/2025 16:58	WG2650520
Toluene	ND		0.00100	1	12/02/2025 16:58	WG2650520
1,1,1-Trichloroethane	ND		0.00100	1	12/02/2025 16:58	WG2650520
1,1,2-Trichloroethane	ND		0.00100	1	12/02/2025 16:58	WG2650520
Trichloroethene	ND		0.00100	1	12/02/2025 16:58	WG2650520
Trichlorofluoromethane	ND		0.00500	1	12/02/2025 16:58	WG2650520
1,2,3-Trichloropropane	ND		0.00250	1	12/02/2025 16:58	WG2650520
Vinyl acetate	ND		0.0100	1	12/02/2025 16:58	WG2650520
Vinyl chloride	ND		0.00100	1	12/02/2025 16:58	WG2650520
Xylenes, Total	ND		0.00300	1	12/02/2025 16:58	WG2650520
(S) Toluene-d8	104		80.0-120		12/02/2025 16:58	WG2650520
(S) 4-Bromofluorobenzene	88.0		77.0-126		12/02/2025 16:58	WG2650520
(S) 1,2-Dichloroethane-d4	111		70.0-130		12/02/2025 16:58	WG2650520

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Cp

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Cn

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Gl

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Al

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Sc

EDB / DBCP by Method 8011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	ND		0.0000208	1.04	12/08/2025 22:11	WG2653781
1,2-Dibromo-3-Chloropropane	ND		0.0000208	1.04	12/08/2025 22:11	WG2653781
(S) 1,1,1,2-Tetrachloroethane	107		60.0-140		12/08/2025 22:11	WG2653781

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth To Water (onsite)	52.46	ft
Temperature (on-site)	14.5	Deg C
pH (on site)	5.43	su
Specific Conductance (on site)	20.2	uS/cm
Turbidity (on-site)	30.14	NTU
Dissolved Oxygen (on-site)	7.62	mg/l
eH/ORP (on site)	239.1	mV

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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Fluoride	ND		0.150	1	12/04/2025 13:19	WG2650447

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	12/04/2025 16:34	WG2650502

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	12/18/2025 13:43	WG2650567
Arsenic	ND		0.00200	1	12/18/2025 13:43	WG2650567
Barium	0.00689		0.00200	1	12/18/2025 13:43	WG2650567
Beryllium	ND		0.00200	1	12/18/2025 13:43	WG2650567
Cadmium	ND		0.00100	1	12/18/2025 13:43	WG2650567
Chromium	ND		0.00200	1	12/18/2025 13:43	WG2650567
Copper	ND		0.00500	1	12/18/2025 13:43	WG2650567
Cobalt	ND		0.00200	1	12/18/2025 13:43	WG2650567
Lead	ND		0.00200	1	12/18/2025 13:43	WG2650567
Nickel	0.00787		0.00200	1	12/18/2025 13:43	WG2650567
Selenium	ND		0.00200	1	12/18/2025 13:43	WG2650567
Silver	ND		0.00200	1	12/18/2025 13:43	WG2650567
Thallium	ND		0.00200	1	12/18/2025 13:43	WG2650567
Vanadium	ND		0.00500	1	12/18/2025 13:43	WG2650567
Zinc	ND		0.0250	1	12/18/2025 13:43	WG2650567

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Acetone	ND		0.0500	1	12/02/2025 16:20	WG2650419
Acrylonitrile	ND		0.0100	1	12/02/2025 16:20	WG2650419
Benzene	ND		0.00100	1	12/02/2025 16:20	WG2650419
Bromochloromethane	ND		0.00100	1	12/02/2025 16:20	WG2650419
Bromodichloromethane	ND		0.00100	1	12/02/2025 16:20	WG2650419
Bromoform	ND		0.00100	1	12/02/2025 16:20	WG2650419
Bromomethane	ND		0.00500	1	12/02/2025 16:20	WG2650419
Carbon disulfide	ND		0.00100	1	12/02/2025 16:20	WG2650419
Carbon tetrachloride	ND		0.00100	1	12/02/2025 16:20	WG2650419
Chlorobenzene	ND		0.00100	1	12/02/2025 16:20	WG2650419
Chlorodibromomethane	ND		0.00100	1	12/02/2025 16:20	WG2650419
Chloroethane	ND		0.00500	1	12/02/2025 16:20	WG2650419
Chloroform	ND		0.00500	1	12/02/2025 16:20	WG2650419
Chloromethane	ND	C3	0.00500	1	12/02/2025 16:20	WG2650419

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dibromomethane	ND		0.00100	1	12/02/2025 16:20	WG2650419
1,2-Dichlorobenzene	ND		0.00100	1	12/02/2025 16:20	WG2650419
1,4-Dichlorobenzene	ND		0.00100	1	12/02/2025 16:20	WG2650419
trans-1,4-Dichloro-2-butene	ND		0.00250	1	12/02/2025 16:20	WG2650419
1,1-Dichloroethane	ND		0.00100	1	12/02/2025 16:20	WG2650419
1,2-Dichloroethane	ND		0.00100	1	12/02/2025 16:20	WG2650419
1,1-Dichloroethene	ND		0.00100	1	12/02/2025 16:20	WG2650419
cis-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 16:20	WG2650419
trans-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 16:20	WG2650419
1,2-Dichloropropane	ND		0.00100	1	12/02/2025 16:20	WG2650419
cis-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 16:20	WG2650419
trans-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 16:20	WG2650419
Ethylbenzene	ND		0.00100	1	12/02/2025 16:20	WG2650419
2-Hexanone	ND		0.0200	1	12/02/2025 16:20	WG2650419
Iodomethane	ND	C3	0.0300	1	12/02/2025 16:20	WG2650419
2-Butanone (MEK)	ND		0.0200	1	12/02/2025 16:20	WG2650419
Methylene Chloride	ND		0.00500	1	12/02/2025 16:20	WG2650419
4-Methyl-2-pentanone (MIBK)	ND		0.0200	1	12/02/2025 16:20	WG2650419
Styrene	ND		0.00100	1	12/02/2025 16:20	WG2650419
1,1,1,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 16:20	WG2650419
1,1,2,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 16:20	WG2650419
Tetrachloroethene	ND		0.00100	1	12/02/2025 16:20	WG2650419
Toluene	ND		0.00100	1	12/02/2025 16:20	WG2650419
1,1,1-Trichloroethane	ND		0.00100	1	12/02/2025 16:20	WG2650419
1,1,2-Trichloroethane	ND		0.00100	1	12/02/2025 16:20	WG2650419
Trichloroethene	ND		0.00100	1	12/02/2025 16:20	WG2650419
Trichlorofluoromethane	ND		0.00500	1	12/02/2025 16:20	WG2650419
1,2,3-Trichloropropane	ND		0.00250	1	12/02/2025 16:20	WG2650419
Vinyl acetate	ND	J4	0.0100	1	12/02/2025 16:20	WG2650419
Vinyl chloride	ND		0.00100	1	12/02/2025 16:20	WG2650419
Xylenes, Total	ND		0.00300	1	12/02/2025 16:20	WG2650419
(S) Toluene-d8	99.7		80.0-120		12/02/2025 16:20	WG2650419
(S) 4-Bromofluorobenzene	93.1		77.0-126		12/02/2025 16:20	WG2650419
(S) 1,2-Dichloroethane-d4	105		70.0-130		12/02/2025 16:20	WG2650419

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Gl

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EDB / DBCP by Method 8011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	ND		0.0000200	1	12/08/2025 22:22	WG2653781
1,2-Dibromo-3-Chloropropane	ND		0.0000200	1	12/08/2025 22:22	WG2653781
(S) 1,1,1,2-Tetrachloroethane	106		60.0-140		12/08/2025 22:22	WG2653781

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth To Water (onsite)	31.92	ft
Temperature (on-site)	13.5	Deg C
pH (on site)	5.42	su
Specific Conductance (on site)	24.6	uS/cm
Turbidity (on-site)	4.6	NTU
Dissolved Oxygen (on-site)	9.69	mg/l
eH/ORP (on site)	268.7	mV

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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Fluoride	ND		0.150	1	12/04/2025 13:56	WG2650447

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.000200	1	12/04/2025 16:36	WG2650502

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Antimony	ND		0.00400	1	12/18/2025 13:46	WG2650567
Arsenic	ND		0.00200	1	12/18/2025 13:46	WG2650567
Barium	0.0111		0.00200	1	12/18/2025 13:46	WG2650567
Beryllium	ND		0.00200	1	12/18/2025 13:46	WG2650567
Cadmium	ND		0.00100	1	12/18/2025 13:46	WG2650567
Chromium	ND		0.00200	1	12/18/2025 13:46	WG2650567
Copper	ND		0.00500	1	12/18/2025 13:46	WG2650567
Cobalt	ND		0.00200	1	12/18/2025 13:46	WG2650567
Lead	ND		0.00200	1	12/18/2025 13:46	WG2650567
Nickel	0.00355		0.00200	1	12/18/2025 13:46	WG2650567
Selenium	ND		0.00200	1	12/18/2025 13:46	WG2650567
Silver	ND		0.00200	1	12/18/2025 13:46	WG2650567
Thallium	ND		0.00200	1	12/18/2025 13:46	WG2650567
Vanadium	ND		0.00500	1	12/18/2025 13:46	WG2650567
Zinc	ND		0.0250	1	12/18/2025 13:46	WG2650567

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	12/02/2025 16:40	WG2650419
Acrylonitrile	ND		0.0100	1	12/02/2025 16:40	WG2650419
Benzene	ND		0.00100	1	12/02/2025 16:40	WG2650419
Bromochloromethane	ND		0.00100	1	12/02/2025 16:40	WG2650419
Bromodichloromethane	ND		0.00100	1	12/02/2025 16:40	WG2650419
Bromoform	ND		0.00100	1	12/02/2025 16:40	WG2650419
Bromomethane	ND		0.00500	1	12/02/2025 16:40	WG2650419
Carbon disulfide	ND		0.00100	1	12/02/2025 16:40	WG2650419
Carbon tetrachloride	ND		0.00100	1	12/02/2025 16:40	WG2650419
Chlorobenzene	ND		0.00100	1	12/02/2025 16:40	WG2650419
Chlorodibromomethane	ND		0.00100	1	12/02/2025 16:40	WG2650419
Chloroethane	ND		0.00500	1	12/02/2025 16:40	WG2650419
Chloroform	ND		0.00500	1	12/02/2025 16:40	WG2650419
Chloromethane	ND	C3	0.00500	1	12/02/2025 16:40	WG2650419

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dibromomethane	ND		0.00100	1	12/02/2025 16:40	WG2650419
1,2-Dichlorobenzene	ND		0.00100	1	12/02/2025 16:40	WG2650419
1,4-Dichlorobenzene	ND		0.00100	1	12/02/2025 16:40	WG2650419
trans-1,4-Dichloro-2-butene	ND		0.00250	1	12/02/2025 16:40	WG2650419
1,1-Dichloroethane	ND		0.00100	1	12/02/2025 16:40	WG2650419
1,2-Dichloroethane	ND		0.00100	1	12/02/2025 16:40	WG2650419
1,1-Dichloroethene	ND		0.00100	1	12/02/2025 16:40	WG2650419
cis-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 16:40	WG2650419
trans-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 16:40	WG2650419
1,2-Dichloropropane	ND		0.00100	1	12/02/2025 16:40	WG2650419
cis-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 16:40	WG2650419
trans-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 16:40	WG2650419
Ethylbenzene	ND		0.00100	1	12/02/2025 16:40	WG2650419
2-Hexanone	ND		0.0200	1	12/02/2025 16:40	WG2650419
Iodomethane	ND	C3	0.0300	1	12/02/2025 16:40	WG2650419
2-Butanone (MEK)	ND		0.0200	1	12/02/2025 16:40	WG2650419
Methylene Chloride	ND		0.00500	1	12/02/2025 16:40	WG2650419
4-Methyl-2-pentanone (MIBK)	ND		0.0200	1	12/02/2025 16:40	WG2650419
Styrene	ND		0.00100	1	12/02/2025 16:40	WG2650419
1,1,1,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 16:40	WG2650419
1,1,2,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 16:40	WG2650419
Tetrachloroethene	ND		0.00100	1	12/02/2025 16:40	WG2650419
Toluene	ND		0.00100	1	12/02/2025 16:40	WG2650419
1,1,1-Trichloroethane	ND		0.00100	1	12/02/2025 16:40	WG2650419
1,1,2-Trichloroethane	ND		0.00100	1	12/02/2025 16:40	WG2650419
Trichloroethene	ND		0.00100	1	12/02/2025 16:40	WG2650419
Trichlorofluoromethane	ND		0.00500	1	12/02/2025 16:40	WG2650419
1,2,3-Trichloropropane	ND		0.00250	1	12/02/2025 16:40	WG2650419
Vinyl acetate	ND	J4	0.0100	1	12/02/2025 16:40	WG2650419
Vinyl chloride	ND		0.00100	1	12/02/2025 16:40	WG2650419
Xylenes, Total	ND		0.00300	1	12/02/2025 16:40	WG2650419
(S) Toluene-d8	97.8		80.0-120		12/02/2025 16:40	WG2650419
(S) 4-Bromofluorobenzene	93.8		77.0-126		12/02/2025 16:40	WG2650419
(S) 1,2-Dichloroethane-d4	106		70.0-130		12/02/2025 16:40	WG2650419

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Cp

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EDB / DBCP by Method 8011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ethylene Dibromide	ND		0.0000204	1.02	12/08/2025 23:02	WG2653781
1,2-Dibromo-3-Chloropropane	ND		0.0000204	1.02	12/08/2025 23:02	WG2653781
(S) 1,1,1,2-Tetrachloroethane	105		60.0-140		12/08/2025 23:02	WG2653781

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Temperature (on-site)	13.3	Deg C
pH (on site)	6.65	su
Specific Conductance (on site)	1315	uS/cm
Turbidity (on-site)	87.82	NTU
Dissolved Oxygen (on-site)	2.16	mg/l
eH/ORP (on site)	193.2	mV

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	597		13.3	1	12/02/2025 18:29	WG2650542

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	209		20.0	1	12/04/2025 11:34	WG2650551

Sample Narrative:

L1923100-08 WG2650551: Endpoint pH 4.5

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.704		0.100	1	12/02/2025 18:39	WG2650666

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
COD	25.5		20.0	1	12/04/2025 16:25	WG2651888

Wet Chemistry by Method 4500CN E-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.00500	1	12/03/2025 09:26	WG2650575

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	231		5.00	5	12/02/2025 20:59	WG2650316
Fluoride	ND		0.150	1	12/02/2025 20:43	WG2650316
Nitrate as (N)	6.49		0.100	1	12/02/2025 20:43	WG2650316
Sulfate	18.7		5.00	1	12/02/2025 20:43	WG2650316

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1.14		1.00	1	12/04/2025 20:19	WG2651920

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.000200	1	12/04/2025 16:39	WG2650502

Mercury by Method 7470A

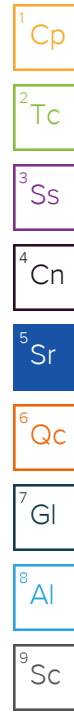
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury,Dissolved	ND		0.000200	1	12/09/2025 09:44	WG2652912

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Antimony	ND		0.00400	1	12/18/2025 13:49	WG2650567
Antimony,Dissolved	ND		0.00400	1	12/08/2025 12:26	WG2651791
Arsenic	ND		0.00200	1	12/18/2025 13:49	WG2650567
Arsenic,Dissolved	ND		0.00200	1	12/08/2025 12:26	WG2651791
Barium	0.138		0.00200	1	12/18/2025 13:49	WG2650567
Barium,Dissolved	0.115		0.00200	1	12/08/2025 12:26	WG2651791
Beryllium	ND		0.00200	1	12/18/2025 13:49	WG2650567
Beryllium,Dissolved	ND		0.00200	1	12/08/2025 12:26	WG2651791
Cadmium	0.00119		0.00100	1	12/18/2025 13:49	WG2650567
Cadmium,Dissolved	ND		0.00100	1	12/08/2025 12:26	WG2651791
Calcium	72.9		1.00	1	12/18/2025 13:49	WG2650567
Calcium,Dissolved	69.3		5.00	5	12/10/2025 13:09	WG2651791
Chromium	ND		0.00200	1	12/18/2025 13:49	WG2650567
Chromium,Dissolved	ND		0.00200	1	12/08/2025 12:26	WG2651791
Copper	0.00576		0.00500	1	12/18/2025 13:49	WG2650567
Copper,Dissolved	ND		0.00500	1	12/08/2025 12:26	WG2651791
Cobalt	0.0225		0.00200	1	12/18/2025 13:49	WG2650567
Cobalt,Dissolved	ND		0.00200	1	12/08/2025 12:26	WG2651791
Iron	0.946		0.100	1	12/18/2025 13:49	WG2650567
Iron,Dissolved	ND		0.100	1	12/08/2025 12:26	WG2651791
Lead	0.00789		0.00200	1	12/18/2025 13:49	WG2650567
Lead,Dissolved	ND		0.00200	1	12/08/2025 12:26	WG2651791
Magnesium	32.1		1.00	1	12/18/2025 13:49	WG2650567
Magnesium,Dissolved	33.0		1.00	1	12/08/2025 12:26	WG2651791
Manganese,Dissolved	0.510		0.00500	1	12/04/2025 19:31	WG2650503
Nickel	0.00705		0.00200	1	12/18/2025 13:49	WG2650567
Nickel,Dissolved	0.00245		0.00200	1	12/08/2025 12:26	WG2651791
Potassium	48.7		2.00	1	12/18/2025 13:49	WG2650567
Potassium,Dissolved	47.1		10.0	5	12/10/2025 13:09	WG2651791
Selenium	ND		0.00200	1	12/18/2025 13:49	WG2650567
Selenium,Dissolved	ND		0.00200	1	12/08/2025 12:26	WG2651791
Silver	ND		0.00200	1	12/18/2025 13:49	WG2650567
Silver,Dissolved	ND		0.00200	1	12/08/2025 12:26	WG2651791
Sodium	96.3		2.00	1	12/18/2025 13:49	WG2650567
Sodium,Dissolved	94.9		10.0	5	12/10/2025 13:09	WG2651791
Thallium	ND		0.00200	1	12/18/2025 13:49	WG2650567
Thallium,Dissolved	ND		0.00200	1	12/08/2025 12:26	WG2651791
Vanadium	ND		0.00500	1	12/18/2025 13:49	WG2650567
Vanadium,Dissolved	ND		0.00500	1	12/08/2025 12:26	WG2651791
Zinc	0.0870		0.0250	1	12/18/2025 13:49	WG2650567
Zinc,Dissolved	0.0261		0.0250	1	12/08/2025 12:26	WG2651791

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	12/02/2025 17:00	WG2650419
Acrylonitrile	ND		0.0100	1	12/02/2025 17:00	WG2650419
Benzene	ND		0.00100	1	12/02/2025 17:00	WG2650419
Bromochloromethane	ND		0.00100	1	12/02/2025 17:00	WG2650419
Bromodichloromethane	ND		0.00100	1	12/02/2025 17:00	WG2650419



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Bromoform	ND		0.00100	1	12/02/2025 17:00	WG2650419
Bromomethane	ND		0.00500	1	12/02/2025 17:00	WG2650419
Carbon disulfide	ND		0.00100	1	12/02/2025 17:00	WG2650419
Carbon tetrachloride	ND		0.00100	1	12/02/2025 17:00	WG2650419
Chlorobenzene	ND		0.00100	1	12/02/2025 17:00	WG2650419
Chlorodibromomethane	ND		0.00100	1	12/02/2025 17:00	WG2650419
Chloroethane	ND		0.00500	1	12/02/2025 17:00	WG2650419
Chloroform	ND		0.00500	1	12/02/2025 17:00	WG2650419
Chloromethane	ND	C3	0.00500	1	12/02/2025 17:00	WG2650419
Dibromomethane	ND		0.00100	1	12/02/2025 17:00	WG2650419
1,2-Dichlorobenzene	ND		0.00100	1	12/02/2025 17:00	WG2650419
1,4-Dichlorobenzene	ND		0.00100	1	12/02/2025 17:00	WG2650419
trans-1,4-Dichloro-2-butene	ND		0.00250	1	12/02/2025 17:00	WG2650419
1,1-Dichloroethane	ND		0.00100	1	12/02/2025 17:00	WG2650419
1,2-Dichloroethane	ND		0.00100	1	12/02/2025 17:00	WG2650419
1,1-Dichloroethene	ND		0.00100	1	12/02/2025 17:00	WG2650419
cis-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 17:00	WG2650419
trans-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 17:00	WG2650419
1,2-Dichloropropane	ND		0.00100	1	12/02/2025 17:00	WG2650419
cis-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 17:00	WG2650419
trans-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 17:00	WG2650419
Ethylbenzene	ND		0.00100	1	12/02/2025 17:00	WG2650419
2-Hexanone	ND		0.0200	1	12/02/2025 17:00	WG2650419
Iodomethane	ND	C3	0.0300	1	12/02/2025 17:00	WG2650419
2-Butanone (MEK)	ND		0.0200	1	12/02/2025 17:00	WG2650419
Methylene Chloride	ND		0.00500	1	12/02/2025 17:00	WG2650419
4-Methyl-2-pentanone (MIBK)	ND		0.0200	1	12/02/2025 17:00	WG2650419
Styrene	ND		0.00100	1	12/02/2025 17:00	WG2650419
1,1,1,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 17:00	WG2650419
1,1,2,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 17:00	WG2650419
Tetrachloroethene	ND		0.00100	1	12/02/2025 17:00	WG2650419
Toluene	ND		0.00100	1	12/02/2025 17:00	WG2650419
1,1,1-Trichloroethane	ND		0.00100	1	12/02/2025 17:00	WG2650419
1,1,2-Trichloroethane	ND		0.00100	1	12/02/2025 17:00	WG2650419
Trichloroethene	ND		0.00100	1	12/02/2025 17:00	WG2650419
Trichlorofluoromethane	ND		0.00500	1	12/02/2025 17:00	WG2650419
1,2,3-Trichloropropane	ND		0.00250	1	12/02/2025 17:00	WG2650419
Vinyl acetate	ND	J4	0.0100	1	12/02/2025 17:00	WG2650419
Vinyl chloride	ND		0.00100	1	12/02/2025 17:00	WG2650419
Xylenes, Total	ND		0.00300	1	12/02/2025 17:00	WG2650419
(S) Toluene-d8	101		80.0-120		12/02/2025 17:00	WG2650419
(S) 4-Bromofluorobenzene	94.6		77.0-126		12/02/2025 17:00	WG2650419
(S) 1,2-Dichloroethane-d4	107		70.0-130		12/02/2025 17:00	WG2650419

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

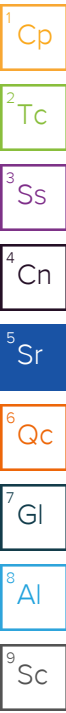
9
Sc

EDB / DBCP by Method 8011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	ND		0.0000202	1.01	12/08/2025 23:12	WG2653781
1,2-Dibromo-3-Chloropropane	ND		0.0000202	1.01	12/08/2025 23:12	WG2653781
(S) 1,1,1,2-Tetrachloroethane	107		60.0-140		12/08/2025 23:12	WG2653781

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Temperature (on-site)	13.4	Deg C
pH (on site)	6.57	su
Specific Conductance (on site)	3641	uS/cm
Turbidity (on-site)	6.3	NTU
Dissolved Oxygen (on-site)	2.79	mg/l
eH/ORP (on site)	30.6	mV



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1560		50.0	1	12/02/2025 18:29	WG2650542

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	369		20.0	1	12/04/2025 11:38	WG2650551

Sample Narrative:

L1923100-09 WG2650551: Endpoint pH 4.5

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	6.13		0.100	1	12/02/2025 18:40	WG2650666

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
COD	ND		40.0	2	12/04/2025 16:25	WG2651888

Sample Narrative:

L1923100-09 WG2651888: Dilution due to matrix.

Wet Chemistry by Method 4500CN E-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.00500	1	12/03/2025 09:27	WG2650575

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	913		10.0	10	12/02/2025 21:30	WG2650316
Fluoride	0.187		0.150	1	12/02/2025 21:14	WG2650316
Nitrate as (N)	ND		0.100	1	12/02/2025 21:14	WG2650316
Sulfate	ND		5.00	1	12/02/2025 21:14	WG2650316

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	ND		1.00	1	12/04/2025 21:24	WG2651920

SOUTHWEST SPRING

Collected date/time: 12/01/25 15:40

SAMPLE RESULTS - 09

L1923100

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.000200	1	12/04/2025 16:42	WG2650502

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Antimony	ND		0.00400	1	12/18/2025 13:52	WG2650567
Arsenic	0.0332		0.00200	1	12/18/2025 13:52	WG2650567
Barium	0.472		0.0100	5	12/18/2025 16:02	WG2650567
Beryllium	ND		0.00200	1	12/18/2025 13:52	WG2650567
Cadmium	ND		0.00100	1	12/18/2025 13:52	WG2650567
Calcium	144		1.00	1	12/18/2025 13:52	WG2650567
Chromium	ND		0.00200	1	12/18/2025 13:52	WG2650567
Copper	ND		0.00500	1	12/18/2025 13:52	WG2650567
Cobalt	0.0125		0.00200	1	12/18/2025 13:52	WG2650567
Iron	8.75		0.100	1	12/18/2025 13:52	WG2650567
Lead	ND		0.00200	1	12/18/2025 13:52	WG2650567
Magnesium	95.1		1.00	1	12/18/2025 13:52	WG2650567
Manganese,Dissolved	1.30		0.00500	1	12/04/2025 19:34	WG2650503
Nickel	0.0301		0.00200	1	12/18/2025 13:52	WG2650567
Potassium	84.4		2.00	1	12/18/2025 13:52	WG2650567
Selenium	ND		0.00200	1	12/18/2025 13:52	WG2650567
Silver	ND		0.00200	1	12/18/2025 13:52	WG2650567
Sodium	338		2.00	1	12/18/2025 13:52	WG2650567
Thallium	ND		0.00200	1	12/18/2025 13:52	WG2650567
Vanadium	ND		0.00500	1	12/18/2025 13:52	WG2650567
Zinc	ND		0.0250	1	12/18/2025 13:52	WG2650567

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	12/02/2025 17:20	WG2650419
Acrylonitrile	ND		0.0100	1	12/02/2025 17:20	WG2650419
Benzene	ND		0.00100	1	12/02/2025 17:20	WG2650419
Bromochloromethane	ND		0.00100	1	12/02/2025 17:20	WG2650419
Bromodichloromethane	ND		0.00100	1	12/02/2025 17:20	WG2650419
Bromoform	ND		0.00100	1	12/02/2025 17:20	WG2650419
Bromomethane	ND		0.00500	1	12/02/2025 17:20	WG2650419
Carbon disulfide	ND		0.00100	1	12/02/2025 17:20	WG2650419
Carbon tetrachloride	ND		0.00100	1	12/02/2025 17:20	WG2650419
Chlorobenzene	ND		0.00100	1	12/02/2025 17:20	WG2650419
Chlorodibromomethane	ND		0.00100	1	12/02/2025 17:20	WG2650419
Chloroethane	ND		0.00500	1	12/02/2025 17:20	WG2650419
Chloroform	ND		0.00500	1	12/02/2025 17:20	WG2650419
Chloromethane	ND	C3	0.00500	1	12/02/2025 17:20	WG2650419
Dibromomethane	ND		0.00100	1	12/02/2025 17:20	WG2650419
1,2-Dichlorobenzene	ND		0.00100	1	12/02/2025 17:20	WG2650419
1,4-Dichlorobenzene	ND		0.00100	1	12/02/2025 17:20	WG2650419
trans-1,4-Dichloro-2-butene	ND		0.00250	1	12/02/2025 17:20	WG2650419
1,1-Dichloroethane	ND		0.00100	1	12/02/2025 17:20	WG2650419
1,2-Dichloroethane	ND		0.00100	1	12/02/2025 17:20	WG2650419
1,1-Dichloroethene	ND		0.00100	1	12/02/2025 17:20	WG2650419
cis-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 17:20	WG2650419
trans-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 17:20	WG2650419
1,2-Dichloropropane	ND		0.00100	1	12/02/2025 17:20	WG2650419
cis-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 17:20	WG2650419

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

SOUTHWEST SPRING

Collected date/time: 12/01/25 15:40

SAMPLE RESULTS - 09

L1923100

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 17:20	WG2650419
Ethylbenzene	ND		0.00100	1	12/02/2025 17:20	WG2650419
2-Hexanone	ND		0.0200	1	12/02/2025 17:20	WG2650419
Iodomethane	ND	<u>C3</u>	0.0300	1	12/02/2025 17:20	WG2650419
2-Butanone (MEK)	ND		0.0200	1	12/02/2025 17:20	WG2650419
Methylene Chloride	ND		0.00500	1	12/02/2025 17:20	WG2650419
4-Methyl-2-pentanone (MIBK)	ND		0.0200	1	12/02/2025 17:20	WG2650419
Styrene	ND		0.00100	1	12/02/2025 17:20	WG2650419
1,1,1,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 17:20	WG2650419
1,1,2,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 17:20	WG2650419
Tetrachloroethene	ND		0.00100	1	12/02/2025 17:20	WG2650419
Toluene	ND		0.00100	1	12/02/2025 17:20	WG2650419
1,1,1-Trichloroethane	ND		0.00100	1	12/02/2025 17:20	WG2650419
1,1,2-Trichloroethane	ND		0.00100	1	12/02/2025 17:20	WG2650419
Trichloroethene	ND		0.00100	1	12/02/2025 17:20	WG2650419
Trichlorofluoromethane	ND		0.00500	1	12/02/2025 17:20	WG2650419
1,2,3-Trichloropropane	ND		0.00250	1	12/02/2025 17:20	WG2650419
Vinyl acetate	ND	<u>J4</u>	0.0100	1	12/02/2025 17:20	WG2650419
Vinyl chloride	ND		0.00100	1	12/02/2025 17:20	WG2650419
Xylenes, Total	ND		0.00300	1	12/02/2025 17:20	WG2650419
(S) Toluene-d8	99.4		80.0-120		12/02/2025 17:20	WG2650419
(S) 4-Bromofluorobenzene	94.2		77.0-126		12/02/2025 17:20	WG2650419
(S) 1,2-Dichloroethane-d4	105		70.0-130		12/02/2025 17:20	WG2650419

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

EDB / DBCP by Method 8011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	ND		0.0000202	1.01	12/08/2025 23:22	WG2653781
1,2-Dibromo-3-Chloropropane	ND		0.0000202	1.01	12/08/2025 23:22	WG2653781
(S) 1,1,1,2-Tetrachloroethane	104		60.0-140		12/08/2025 23:22	WG2653781

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1580		50.0	1	12/02/2025 18:29	WG2650542

1 Cp

2 Tc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	366		20.0	1	12/04/2025 11:42	WG2650551

3 Ss

4 Cn

Sample Narrative:

L1923100-10 WG2650551: Endpoint pH 4.5

5 Sr

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	6.13		0.100	1	12/02/2025 18:46	WG2650666

6 Qc

7 Gl

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
COD	ND		40.0	2	12/04/2025 16:25	WG2651888

8 Al

9 Sc

Sample Narrative:

L1923100-10 WG2651888: Dilution due to matrix.

Wet Chemistry by Method 4500CN E-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.00500	1	12/03/2025 09:29	WG2650575

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	818		20.0	20	12/04/2025 22:47	WG2650316
Fluoride	0.212		0.150	1	12/02/2025 18:39	WG2650316
Nitrate as (N)	ND		0.100	1	12/02/2025 18:39	WG2650316
Sulfate	ND		5.00	1	12/02/2025 18:39	WG2650316

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	ND		1.00	1	12/04/2025 22:02	WG2651920

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.000200	1	12/04/2025 16:44	WG2650502

DUPLICATE

SAMPLE RESULTS - 10

Collected date/time: 12/01/25 00:00

L1923100

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony	ND		0.00400	1	12/18/2025 13:55	WG2650567
Arsenic	0.0349		0.00200	1	12/18/2025 13:55	WG2650567
Barium	0.497		0.0100	5	12/18/2025 16:05	WG2650567
Beryllium	ND		0.00200	1	12/18/2025 13:55	WG2650567
Cadmium	ND		0.00100	1	12/18/2025 13:55	WG2650567
Calcium	144		1.00	1	12/18/2025 13:55	WG2650567
Chromium	ND		0.00200	1	12/18/2025 13:55	WG2650567
Copper	ND		0.00500	1	12/18/2025 13:55	WG2650567
Cobalt	0.0123		0.00200	1	12/18/2025 13:55	WG2650567
Iron	9.08		0.100	1	12/18/2025 13:55	WG2650567
Lead	ND		0.00200	1	12/18/2025 13:55	WG2650567
Magnesium	94.1		1.00	1	12/18/2025 13:55	WG2650567
Manganese,Dissolved	1.37		0.00500	1	12/04/2025 19:37	WG2650503
Nickel	0.0300		0.00200	1	12/18/2025 13:55	WG2650567
Potassium	82.3		2.00	1	12/18/2025 13:55	WG2650567
Selenium	ND		0.00200	1	12/18/2025 13:55	WG2650567
Silver	ND		0.00200	1	12/18/2025 13:55	WG2650567
Sodium	330		2.00	1	12/18/2025 13:55	WG2650567
Thallium	ND		0.00200	1	12/18/2025 13:55	WG2650567
Vanadium	ND		0.00500	1	12/18/2025 13:55	WG2650567
Zinc	ND		0.0250	1	12/18/2025 13:55	WG2650567

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	12/02/2025 17:41	WG2650419
Acrylonitrile	ND		0.0100	1	12/02/2025 17:41	WG2650419
Benzene	ND		0.00100	1	12/02/2025 17:41	WG2650419
Bromochloromethane	ND		0.00100	1	12/02/2025 17:41	WG2650419
Bromodichloromethane	ND		0.00100	1	12/02/2025 17:41	WG2650419
Bromoform	ND		0.00100	1	12/02/2025 17:41	WG2650419
Bromomethane	ND		0.00500	1	12/02/2025 17:41	WG2650419
Carbon disulfide	ND		0.00100	1	12/02/2025 17:41	WG2650419
Carbon tetrachloride	ND		0.00100	1	12/02/2025 17:41	WG2650419
Chlorobenzene	ND		0.00100	1	12/02/2025 17:41	WG2650419
Chlorodibromomethane	ND		0.00100	1	12/02/2025 17:41	WG2650419
Chloroethane	ND		0.00500	1	12/02/2025 17:41	WG2650419
Chloroform	ND		0.00500	1	12/02/2025 17:41	WG2650419
Chloromethane	ND	<u>C3</u>	0.00500	1	12/02/2025 17:41	WG2650419
Dibromomethane	ND		0.00100	1	12/02/2025 17:41	WG2650419
1,2-Dichlorobenzene	ND		0.00100	1	12/02/2025 17:41	WG2650419
1,4-Dichlorobenzene	ND		0.00100	1	12/02/2025 17:41	WG2650419
trans-1,4-Dichloro-2-butene	ND		0.00250	1	12/02/2025 17:41	WG2650419
1,1-Dichloroethane	ND		0.00100	1	12/02/2025 17:41	WG2650419
1,2-Dichloroethane	ND		0.00100	1	12/02/2025 17:41	WG2650419
1,1-Dichloroethene	ND		0.00100	1	12/02/2025 17:41	WG2650419
cis-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 17:41	WG2650419
trans-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 17:41	WG2650419
1,2-Dichloropropane	ND		0.00100	1	12/02/2025 17:41	WG2650419
cis-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 17:41	WG2650419
trans-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 17:41	WG2650419
Ethylbenzene	ND		0.00100	1	12/02/2025 17:41	WG2650419
2-Hexanone	ND		0.0200	1	12/02/2025 17:41	WG2650419
Iodomethane	ND	<u>C3</u>	0.0300	1	12/02/2025 17:41	WG2650419
2-Butanone (MEK)	ND		0.0200	1	12/02/2025 17:41	WG2650419
Methylene Chloride	ND		0.00500	1	12/02/2025 17:41	WG2650419

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0200	1	12/02/2025 17:41	WG2650419
Styrene	ND		0.00100	1	12/02/2025 17:41	WG2650419
1,1,1,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 17:41	WG2650419
1,1,2,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 17:41	WG2650419
Tetrachloroethene	ND		0.00100	1	12/02/2025 17:41	WG2650419
Toluene	ND		0.00100	1	12/02/2025 17:41	WG2650419
1,1,1-Trichloroethane	ND		0.00100	1	12/02/2025 17:41	WG2650419
1,1,2-Trichloroethane	ND		0.00100	1	12/02/2025 17:41	WG2650419
Trichloroethene	ND		0.00100	1	12/02/2025 17:41	WG2650419
Trichlorofluoromethane	ND		0.00500	1	12/02/2025 17:41	WG2650419
1,2,3-Trichloropropane	ND		0.00250	1	12/02/2025 17:41	WG2650419
Vinyl acetate	ND	<u>J4</u>	0.0100	1	12/02/2025 17:41	WG2650419
Vinyl chloride	ND		0.00100	1	12/02/2025 17:41	WG2650419
Xylenes, Total	ND		0.00300	1	12/02/2025 17:41	WG2650419
(S) Toluene-d8	102		80.0-120		12/02/2025 17:41	WG2650419
(S) 4-Bromofluorobenzene	95.3		77.0-126		12/02/2025 17:41	WG2650419
(S) 1,2-Dichloroethane-d4	106		70.0-130		12/02/2025 17:41	WG2650419

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

EDB / DBCP by Method 8011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	ND		0.0000218	1.09	12/08/2025 23:32	WG2653781
1,2-Dibromo-3-Chloropropane	ND		0.0000218	1.09	12/08/2025 23:32	WG2653781
(S) 1,1,1,2-Tetrachloroethane	102		60.0-140		12/08/2025 23:32	WG2653781

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	12/02/2025 18:29	WG2650542

1 Cp

2 Tc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	ND		20.0	1	12/04/2025 15:29	WG2650561

3 Ss

4 Cn

Sample Narrative:

L1923100-11 WG2650561: Endpoint pH 4.5

5 Sr

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	12/02/2025 18:48	WG2650666

6 Qc

7 Gl

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
COD	ND		20.0	1	12/04/2025 16:25	WG2651888

8 Al

9 Sc

Wet Chemistry by Method 4500CN E-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Cyanide	ND	J6	0.00500	1	12/03/2025 09:30	WG2650575

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	ND		1.00	1	12/02/2025 22:17	WG2650316
Fluoride	ND		0.150	1	12/02/2025 22:17	WG2650316
Nitrate as (N)	ND		0.100	1	12/02/2025 22:17	WG2650316
Sulfate	ND		5.00	1	12/02/2025 22:17	WG2650316

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	ND		1.00	1	12/04/2025 22:21	WG2651920

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.000200	1	12/04/2025 16:47	WG2650502

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Antimony	ND		0.00400	1	12/18/2025 13:58	WG2650567
Arsenic	ND		0.00200	1	12/18/2025 13:58	WG2650567
Barium	ND		0.00200	1	12/18/2025 13:58	WG2650567
Beryllium	ND		0.00200	1	12/18/2025 13:58	WG2650567
Cadmium	ND		0.00100	1	12/18/2025 13:58	WG2650567
Calcium	ND		1.00	1	12/18/2025 13:58	WG2650567

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SAMPLE RESULTS - 11

Collected date/time: 12/01/25 08:50

L1923100

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Chromium	ND		0.00200	1	12/18/2025 13:58	WG2650567
Copper	ND		0.00500	1	12/18/2025 13:58	WG2650567
Cobalt	ND		0.00200	1	12/18/2025 13:58	WG2650567
Iron	ND		0.100	1	12/18/2025 13:58	WG2650567
Lead	ND		0.00200	1	12/18/2025 13:58	WG2650567
Magnesium	ND		1.00	1	12/18/2025 13:58	WG2650567
Manganese,Dissolved	ND		0.00500	1	12/04/2025 19:40	WG2650503
Nickel	ND		0.00200	1	12/18/2025 13:58	WG2650567
Potassium	ND		2.00	1	12/18/2025 13:58	WG2650567
Selenium	ND		0.00200	1	12/18/2025 13:58	WG2650567
Silver	ND		0.00200	1	12/18/2025 13:58	WG2650567
Sodium	ND		2.00	1	12/18/2025 13:58	WG2650567
Thallium	ND		0.00200	1	12/18/2025 13:58	WG2650567
Vanadium	ND		0.00500	1	12/18/2025 13:58	WG2650567
Zinc	ND		0.0250	1	12/18/2025 13:58	WG2650567

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

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	12/02/2025 13:00	WG2650419
Acrylonitrile	ND		0.0100	1	12/02/2025 13:00	WG2650419
Benzene	ND		0.00100	1	12/02/2025 13:00	WG2650419
Bromochloromethane	ND		0.00100	1	12/02/2025 13:00	WG2650419
Bromodichloromethane	ND		0.00100	1	12/02/2025 13:00	WG2650419
Bromoform	ND		0.00100	1	12/02/2025 13:00	WG2650419
Bromomethane	ND		0.00500	1	12/02/2025 13:00	WG2650419
Carbon disulfide	ND		0.00100	1	12/02/2025 13:00	WG2650419
Carbon tetrachloride	ND		0.00100	1	12/02/2025 13:00	WG2650419
Chlorobenzene	ND		0.00100	1	12/02/2025 13:00	WG2650419
Chlorodibromomethane	ND		0.00100	1	12/02/2025 13:00	WG2650419
Chloroethane	ND		0.00500	1	12/02/2025 13:00	WG2650419
Chloroform	ND		0.00500	1	12/02/2025 13:00	WG2650419
Chloromethane	ND	<u>C3</u>	0.00500	1	12/02/2025 13:00	WG2650419
Dibromomethane	ND		0.00100	1	12/02/2025 13:00	WG2650419
1,2-Dichlorobenzene	ND		0.00100	1	12/02/2025 13:00	WG2650419
1,4-Dichlorobenzene	ND		0.00100	1	12/02/2025 13:00	WG2650419
trans-1,4-Dichloro-2-butene	ND		0.00250	1	12/02/2025 13:00	WG2650419
1,1-Dichloroethane	ND		0.00100	1	12/02/2025 13:00	WG2650419
1,2-Dichloroethane	ND		0.00100	1	12/02/2025 13:00	WG2650419
1,1-Dichloroethene	ND		0.00100	1	12/02/2025 13:00	WG2650419
cis-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 13:00	WG2650419
trans-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 13:00	WG2650419
1,2-Dichloropropane	ND		0.00100	1	12/02/2025 13:00	WG2650419
cis-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 13:00	WG2650419
trans-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 13:00	WG2650419
Ethylbenzene	ND		0.00100	1	12/02/2025 13:00	WG2650419
2-Hexanone	ND		0.0200	1	12/02/2025 13:00	WG2650419
Iodomethane	ND	<u>C3</u>	0.0300	1	12/02/2025 13:00	WG2650419
2-Butanone (MEK)	ND		0.0200	1	12/02/2025 13:00	WG2650419
Methylene Chloride	ND		0.00500	1	12/02/2025 13:00	WG2650419
4-Methyl-2-pentanone (MIBK)	ND		0.0200	1	12/02/2025 13:00	WG2650419
Styrene	ND		0.00100	1	12/02/2025 13:00	WG2650419
1,1,1,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 13:00	WG2650419
1,1,2,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 13:00	WG2650419
Tetrachloroethene	ND		0.00100	1	12/02/2025 13:00	WG2650419
Toluene	ND		0.00100	1	12/02/2025 13:00	WG2650419

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	12/02/2025 13:00	WG2650419
1,1,2-Trichloroethane	ND		0.00100	1	12/02/2025 13:00	WG2650419
Trichloroethene	ND		0.00100	1	12/02/2025 13:00	WG2650419
Trichlorofluoromethane	ND		0.00500	1	12/02/2025 13:00	WG2650419
1,2,3-Trichloropropane	ND		0.00250	1	12/02/2025 13:00	WG2650419
Vinyl acetate	ND	J4	0.0100	1	12/02/2025 13:00	WG2650419
Vinyl chloride	ND		0.00100	1	12/02/2025 13:00	WG2650419
Xylenes, Total	ND		0.00300	1	12/02/2025 13:00	WG2650419
(S) Toluene-d8	100		80.0-120		12/02/2025 13:00	WG2650419
(S) 4-Bromofluorobenzene	94.0		77.0-126		12/02/2025 13:00	WG2650419
(S) 1,2-Dichloroethane-d4	105		70.0-130		12/02/2025 13:00	WG2650419

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

EDB / DBCP by Method 8011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	ND		0.0000210	1.05	12/08/2025 23:43	WG2653781
1,2-Dibromo-3-Chloropropane	ND		0.0000210	1.05	12/08/2025 23:43	WG2653781
(S) 1,1,1,2-Tetrachloroethane	105		60.0-140		12/08/2025 23:43	WG2653781

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	12/02/2025 13:20	WG2650419
Acrylonitrile	ND		0.0100	1	12/02/2025 13:20	WG2650419
Benzene	ND		0.00100	1	12/02/2025 13:20	WG2650419
Bromochloromethane	ND		0.00100	1	12/02/2025 13:20	WG2650419
Bromodichloromethane	ND		0.00100	1	12/02/2025 13:20	WG2650419
Bromoform	ND		0.00100	1	12/02/2025 13:20	WG2650419
Bromomethane	ND		0.00500	1	12/02/2025 13:20	WG2650419
Carbon disulfide	ND		0.00100	1	12/02/2025 13:20	WG2650419
Carbon tetrachloride	ND		0.00100	1	12/02/2025 13:20	WG2650419
Chlorobenzene	ND		0.00100	1	12/02/2025 13:20	WG2650419
Chlorodibromomethane	ND		0.00100	1	12/02/2025 13:20	WG2650419
Chloroethane	ND		0.00500	1	12/02/2025 13:20	WG2650419
Chloroform	ND		0.00500	1	12/02/2025 13:20	WG2650419
Chloromethane	ND	C3	0.00500	1	12/02/2025 13:20	WG2650419
Dibromomethane	ND		0.00100	1	12/02/2025 13:20	WG2650419
1,2-Dichlorobenzene	ND		0.00100	1	12/02/2025 13:20	WG2650419
1,4-Dichlorobenzene	ND		0.00100	1	12/02/2025 13:20	WG2650419
trans-1,4-Dichloro-2-butene	ND		0.00250	1	12/02/2025 13:20	WG2650419
1,1-Dichloroethane	ND		0.00100	1	12/02/2025 13:20	WG2650419
1,2-Dichloroethane	ND		0.00100	1	12/02/2025 13:20	WG2650419
1,1-Dichloroethene	ND		0.00100	1	12/02/2025 13:20	WG2650419
cis-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 13:20	WG2650419
trans-1,2-Dichloroethene	ND		0.00100	1	12/02/2025 13:20	WG2650419
1,2-Dichloropropane	ND		0.00100	1	12/02/2025 13:20	WG2650419
cis-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 13:20	WG2650419
trans-1,3-Dichloropropene	ND		0.00100	1	12/02/2025 13:20	WG2650419
Ethylbenzene	ND		0.00100	1	12/02/2025 13:20	WG2650419
2-Hexanone	ND		0.0200	1	12/02/2025 13:20	WG2650419
Iodomethane	ND	C3	0.0300	1	12/02/2025 13:20	WG2650419
2-Butanone (MEK)	ND		0.0200	1	12/02/2025 13:20	WG2650419
Methylene Chloride	ND		0.00500	1	12/02/2025 13:20	WG2650419
4-Methyl-2-pentanone (MIBK)	ND		0.0200	1	12/02/2025 13:20	WG2650419
Styrene	ND		0.00100	1	12/02/2025 13:20	WG2650419
1,1,1,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 13:20	WG2650419
1,1,2,2-Tetrachloroethane	ND		0.00100	1	12/02/2025 13:20	WG2650419
Tetrachloroethene	ND		0.00100	1	12/02/2025 13:20	WG2650419
Toluene	ND		0.00100	1	12/02/2025 13:20	WG2650419
1,1,1-Trichloroethane	ND		0.00100	1	12/02/2025 13:20	WG2650419
1,1,2-Trichloroethane	ND		0.00100	1	12/02/2025 13:20	WG2650419
Trichloroethene	ND		0.00100	1	12/02/2025 13:20	WG2650419
Trichlorofluoromethane	ND		0.00500	1	12/02/2025 13:20	WG2650419
1,2,3-Trichloropropane	ND		0.00250	1	12/02/2025 13:20	WG2650419
Vinyl acetate	ND	J4	0.0100	1	12/02/2025 13:20	WG2650419
Vinyl chloride	ND		0.00100	1	12/02/2025 13:20	WG2650419
Xylenes, Total	ND		0.00300	1	12/02/2025 13:20	WG2650419
(S) Toluene-d8	99.2		80.0-120		12/02/2025 13:20	WG2650419
(S) 4-Bromofluorobenzene	93.8		77.0-126		12/02/2025 13:20	WG2650419
(S) 1,2-Dichloroethane-d4	106		70.0-130		12/02/2025 13:20	WG2650419

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

EDB / DBCP by Method 8011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	ND		0.0000200	1	12/08/2025 23:53	WG2653781
1,2-Dibromo-3-Chloropropane	ND		0.0000200	1	12/08/2025 23:53	WG2653781
(S) 1,1,1,2-Tetrachloroethane	106		60.0-140		12/08/2025 23:53	WG2653781

Method Blank (MB)

(MB) R4309843-1 12/02/25 18:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	U		10.0	10.0

¹Cp

²Tc

³Ss

L1923072-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1923072-01 12/02/25 18:29 • (DUP) R4309843-3 12/02/25 18:29

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	163	168	1	3.02		10

⁴Cn

⁵Sr

L1923203-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1923203-07 12/02/25 18:29 • (DUP) R4309843-4 12/02/25 18:29

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	281	290	1	3.15		10

⁶Qc

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4309843-2 12/02/25 18:29

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8430	95.8	90.0-110	

⁹Sc

Method Blank (MB)

(MB) R4310251-2 12/04/25 09:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Alkalinity	U		4.75	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1922851-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1922851-02 12/04/25 09:49 • (DUP) R4310251-3 12/04/25 09:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	401	393	1	2.12		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L1922947-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1922947-07 12/04/25 11:46 • (DUP) R4310251-4 12/04/25 11:49

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R4310251-1 12/04/25 09:23

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Alkalinity	100	99.6	99.6	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5



Method Blank (MB)

(MB) R4310252-2 12/04/25 12:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Alkalinity	U		4.75	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1923065-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1923065-01 12/04/25 13:28 • (DUP) R4310252-3 12/04/25 13:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	221	224	1	1.31		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L1923135-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1923135-01 12/04/25 15:33 • (DUP) R4310252-4 12/04/25 15:38

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	160	161	1	0.706		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R4310252-1 12/04/25 12:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Alkalinity	100	100	100	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4308991-1 12/02/25 18:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	U		0.0539	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1923100-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1923100-01 12/02/25 18:30 • (DUP) R4308991-3 12/02/25 18:31

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	ND	ND	1	0.000		10

L1923189-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1923189-01 12/02/25 18:52 • (DUP) R4308991-5 12/02/25 18:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	ND	ND	1	0.000		10

Laboratory Control Sample (LCS)

(LCS) R4308991-2 12/02/25 18:28

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	7.55	101	90.0-110	

L1923100-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1923100-01 12/02/25 18:30 • (MS) R4308991-4 12/02/25 18:33

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5.00	ND	5.02	100	1	90.0-110	

L1923189-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1923189-01 12/02/25 18:52 • (MS) R4308991-6 12/02/25 18:55 • (MSD) R4308991-7 12/02/25 18:57

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	ND	5.04	5.29	101	106	1	90.0-110			4.78	10

Method Blank (MB)

(MB) R4310017-1 12/04/25 16:19

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
COD	U		14.1	20.0

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4310017-2 12/04/25 16:22

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
COD	500	551	110	90.0-110	

4 Cn

5 Sr

6 Qc

L1923100-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1923100-02 12/04/25 16:23 • (MS) R4310017-3 12/04/25 16:23 • (MSD) R4310017-4 12/04/25 16:24

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
COD	500	ND	535	533	107	107	1	90.0-110			0.352	20

7 Gl

8 Al

L1923359-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1923359-01 12/04/25 16:28 • (MS) R4310017-5 12/04/25 16:28 • (MSD) R4310017-6 12/04/25 16:28

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
COD	500	59.5	609	604	110	109	1	90.0-110			0.855	20

9 Sc

Method Blank (MB)

(MB) R4309120-1 12/03/25 09:10

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Cyanide	0.00311	<u>J</u>	0.00210	0.00500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1923100-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1923100-03 12/03/25 09:19 • (DUP) R4309120-5 12/03/25 09:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	46.9	<u>P1</u>	20

Laboratory Control Sample (LCS)

(LCS) R4309120-2 12/03/25 09:11

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Cyanide	0.100	0.103	103	87.1-120	

L1923100-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1923100-02 12/03/25 09:14 • (MS) R4309120-3 12/03/25 09:16 • (MSD) R4309120-4 12/03/25 09:17

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	ND	0.0908	0.0917	87.8	88.7	1	90.0-110	<u>J6</u>	<u>J6</u>	0.986	20

L1923100-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1923100-11 12/03/25 09:30 • (MS) R4309120-6 12/03/25 09:32

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Cyanide	0.100	ND	0.0838	83.8	1	90.0-110	<u>J6</u>

Method Blank (MB)

(MB) R4309761-1 12/02/25 18:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Chloride	U		0.547	1.00
Fluoride	U		0.0761	0.150
Nitrate as (N)	U		0.0884	0.100
Sulfate	U		0.637	5.00

L1923100-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1923100-01 12/02/25 19:10 • (DUP) R4309761-3 12/02/25 19:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	19.3	20.0	1	3.35		15
Fluoride	ND	ND	1	0.000		15
Nitrate as (N)	1.21	1.31	1	7.82		15
Sulfate	ND	ND	1	8.36		15

L1923189-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1923189-01 12/03/25 00:06 • (DUP) R4309761-5 12/03/25 00:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	10.5	10.1	1	4.03		15
Fluoride	0.285	0.276	1	3.38		15
Nitrate as (N)	0.346	0.331	1	4.64		15
Sulfate	58.1	56.1	1	3.48		15

Laboratory Control Sample (LCS)

(LCS) R4309761-2 12/02/25 18:23

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Chloride	40.0	38.5	96.2	80.0-120	
Fluoride	8.00	7.78	97.2	80.0-120	
Nitrate as (N)	8.00	7.71	96.4	80.0-120	
Sulfate	40.0	39.3	98.2	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1923100-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1923100-01 12/02/25 19:10 • (MS) R4309761-4 12/02/25 19:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	19.3	58.4	97.6	1	80.0-120	
Fluoride	8.00	ND	8.56	107	1	80.0-120	
Nitrate as (N)	8.00	1.21	9.48	103	1	80.0-120	
Sulfate	40.0	ND	44.4	106	1	80.0-120	

L1923189-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1923189-01 12/03/25 00:06 • (MS) R4309761-7 12/03/25 01:08 • (MSD) R4309761-8 12/03/25 01:23

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	10.5	49.1	48.7	96.5	95.6	1	80.0-120			0.696	15
Fluoride	8.00	0.285	8.64	8.62	104	104	1	80.0-120			0.185	15
Nitrate as (N)	8.00	0.346	8.41	8.28	101	99.2	1	80.0-120			1.46	15
Sulfate	40.0	58.1	88.0	87.0	74.8	72.3	1	80.0-120	J6	J6	1.12	15

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4310281-1 12/04/25 11:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Fluoride	U		0.0761	0.150

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1923100-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1923100-05 12/04/25 12:33 • (DUP) R4310281-3 12/04/25 12:44

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Fluoride	ND	ND	1	0.000		15

L1923100-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1923100-06 12/04/25 13:19 • (DUP) R4310281-6 12/04/25 13:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Fluoride	ND	ND	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4310281-2 12/04/25 12:09

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Fluoride	8.00	7.96	99.5	80.0-120	

L1923100-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1923100-05 12/04/25 12:33 • (MS) R4310281-4 12/04/25 12:56 • (MSD) R4310281-5 12/04/25 13:07

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Fluoride	8.00	ND	8.11	8.12	101	101	1	80.0-120			0.142	15

L1923100-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1923100-06 12/04/25 13:19 • (MS) R4310281-7 12/04/25 13:44

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Fluoride	8.00	ND	8.14	102	1	80.0-120	

Method Blank (MB)

(MB) R4309644-2 12/03/25 18:24

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	U		0.495	1.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1922860-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1922860-02 12/04/25 02:40 • (DUP) R4309644-6 12/04/25 03:01

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	2.58	2.57	1	0.233		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4309644-1 12/03/25 18:06 • (LCSD) R4309644-3 12/03/25 21:15

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	25.0	23.8	24.4	95.2	97.5	80.0-120			2.32	20

L1922860-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1922860-01 12/04/25 01:32 • (MS) R4309644-4 12/04/25 01:56 • (MSD) R4309644-5 12/04/25 02:19

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	25.0	1.68	25.5	25.6	95.2	95.6	1	75.0-125			0.353	20

Method Blank (MB)

(MB) R4310175-2 12/04/25 14:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	U		0.495	1.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1917748-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1917748-03 12/04/25 16:22 • (DUP) R4310175-5 12/04/25 16:41

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	ND	ND	1	0.000		20

L1923100-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1923100-09 12/04/25 21:24 • (DUP) R4310175-8 12/04/25 21:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4310175-1 12/04/25 14:37

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	25.0	23.7	94.7	80.0-120	

L1917746-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1917746-02 12/04/25 15:15 • (MS) R4310175-3 12/04/25 15:39 • (MSD) R4310175-4 12/04/25 16:02

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	25.0	ND	24.0	23.9	96.1	95.4	1	75.0-125			0.710	20

L1923100-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1923100-08 12/04/25 20:19 • (MS) R4310175-6 12/04/25 20:41 • (MSD) R4310175-7 12/04/25 21:05

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	25.0	1.14	24.7	24.7	94.3	94.2	1	75.0-125			0.162	20

Method Blank (MB)

(MB) R4310065-1 12/04/25 15:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0000700	0.000200

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4310065-2 12/04/25 16:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.00300	0.00310	103	80.0-120	

4 Cn

5 Sr

L1923189-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1923189-01 12/04/25 16:02 • (MS) R4310065-4 12/04/25 16:08 • (MSD) R4310065-5 12/04/25 16:10

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.00300	ND	0.00307	0.00306	102	102	1	75.0-125			0.133	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4311558-1 12/09/25 09:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4311558-2 12/09/25 09:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00299	99.7	80.0-120	

L1924203-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1924203-01 12/09/25 09:28 • (MS) R4311558-4 12/09/25 09:33 • (MSD) R4311558-5 12/09/25 09:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	ND	0.00260	0.00261	86.6	87.0	1	75.0-125			0.449	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4310069-1 12/04/25 18:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Manganese,Dissolved	U		0.000700	0.00500

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4310069-2 12/04/25 18:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Manganese,Dissolved	0.0500	0.0492	98.5	80.0-120	

⁴Cn

⁵Sr

L1923230-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1923230-02 12/04/25 18:43 • (MS) R4310069-4 12/04/25 18:50 • (MSD) R4310069-5 12/04/25 18:53

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Manganese,Dissolved	0.0500	1.74	1.76	1.75	54.3	18.0	1	75.0-125	<u>V</u>	<u>V</u>	1.03	20

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4316146-1 12/18/25 13:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony	U		0.000310	0.00400
Arsenic	U		0.000120	0.00200
Barium	U		0.000500	0.00200
Beryllium	U		0.000200	0.00200
Cadmium	U		0.000120	0.00100
Calcium	U		0.0925	1.00
Chromium	U		0.000900	0.00200
Copper	U		0.000700	0.00500
Cobalt	U		0.000100	0.00200
Iron	U		0.0226	0.100
Lead	U		0.000500	0.00200
Magnesium	U		0.0827	1.00
Nickel	U		0.000500	0.00200
Potassium	U		0.0965	2.00
Selenium	U		0.000250	0.00200
Silver	U		0.000110	0.00200
Sodium	U		0.142	2.00
Thallium	U		0.000130	0.00200
Vanadium	U		0.000520	0.00500
Zinc	U		0.00400	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4316146-2 12/18/25 13:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	0.0500	0.0473	94.7	80.0-120	
Arsenic	0.0500	0.0481	96.1	80.0-120	
Barium	0.0500	0.0461	92.2	80.0-120	
Beryllium	0.0500	0.0449	89.7	80.0-120	
Cadmium	0.0500	0.0517	103	80.0-120	
Calcium	5.00	4.93	98.6	80.0-120	
Chromium	0.0500	0.0515	103	80.0-120	
Copper	0.0500	0.0506	101	80.0-120	
Cobalt	0.0500	0.0518	104	80.0-120	
Iron	1.00	1.02	102	80.0-120	
Lead	0.0500	0.0478	95.6	80.0-120	
Magnesium	5.00	4.92	98.4	80.0-120	
Nickel	0.0500	0.0524	105	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4316146-2 12/18/25 13:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Potassium	5.00	4.84	96.9	80.0-120	
Selenium	0.0500	0.0502	100	80.0-120	
Silver	0.0500	0.0478	95.6	80.0-120	
Sodium	5.00	4.89	97.9	80.0-120	
Thallium	0.0500	0.0484	96.8	80.0-120	
Vanadium	0.0500	0.0501	100	80.0-120	
Zinc	0.0500	0.0493	98.5	80.0-120	

L1923230-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1923230-08 12/18/25 13:07 • (MS) R4316146-4 12/18/25 13:13 • (MSD) R4316146-5 12/18/25 13:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Antimony	0.0500	ND	0.0479	0.0470	95.8	94.0	1	75.0-125			1.94	20
Arsenic	0.0500	ND	0.0488	0.0473	97.6	94.7	1	75.0-125			3.04	20
Barium	0.0500	ND	0.0486	0.0475	94.3	92.0	1	75.0-125			2.41	20
Beryllium	0.0500	ND	0.0469	0.0467	93.8	93.5	1	75.0-125			0.358	20
Cadmium	0.0500	ND	0.0542	0.0534	108	107	1	75.0-125			1.46	20
Calcium	5.00	ND	5.11	5.12	99.0	99.3	1	75.0-125			0.310	20
Chromium	0.0500	ND	0.0517	0.0499	103	99.7	1	75.0-125			3.69	20
Copper	0.0500	ND	0.0514	0.0514	101	101	1	75.0-125			0.0969	20
Cobalt	0.0500	ND	0.0516	0.0507	103	101	1	75.0-125			1.66	20
Iron	1.00	ND	1.02	0.995	99.2	96.9	1	75.0-125			2.35	20
Lead	0.0500	ND	0.0501	0.0495	100	99.1	1	75.0-125			1.11	20
Magnesium	5.00	ND	5.14	5.05	103	101	1	75.0-125			1.77	20
Nickel	0.0500	ND	0.0521	0.0505	104	101	1	75.0-125			3.18	20
Potassium	5.00	ND	5.07	4.85	101	97.1	1	75.0-125			4.26	20
Selenium	0.0500	ND	0.0489	0.0496	97.8	99.1	1	75.0-125			1.37	20
Silver	0.0500	ND	0.0490	0.0484	98.0	96.7	1	75.0-125			1.30	20
Sodium	5.00	ND	5.06	4.97	101	99.3	1	75.0-125			1.87	20
Thallium	0.0500	ND	0.0513	0.0504	103	101	1	75.0-125			1.75	20
Vanadium	0.0500	ND	0.0505	0.0489	101	97.7	1	75.0-125			3.36	20
Zinc	0.0500	ND	0.0502	0.0491	100	98.1	1	75.0-125			2.32	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4311297-1 12/08/25 11:18

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony,Dissolved	U		0.000310	0.00400
Arsenic,Dissolved	U		0.000120	0.00200
Barium,Dissolved	U		0.000500	0.00200
Beryllium,Dissolved	U		0.000200	0.00200
Cadmium,Dissolved	U		0.000120	0.00100
Calcium,Dissolved	U		0.0925	1.00
Chromium,Dissolved	U		0.000900	0.00200
Copper,Dissolved	U		0.000700	0.00500
Cobalt,Dissolved	U		0.000100	0.00200
Iron,Dissolved	U		0.0226	0.100
Lead,Dissolved	U		0.000500	0.00200
Magnesium,Dissolved	U		0.0827	1.00
Nickel,Dissolved	U		0.000500	0.00200
Potassium,Dissolved	U		0.0965	2.00
Selenium,Dissolved	U		0.000250	0.00200
Silver,Dissolved	U		0.000110	0.00200
Sodium,Dissolved	U		0.142	2.00
Thallium,Dissolved	U		0.000130	0.00200
Vanadium,Dissolved	U		0.000520	0.00500
Zinc,Dissolved	U		0.00400	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4311297-2 12/08/25 11:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony,Dissolved	0.0500	0.0483	96.5	80.0-120	
Arsenic,Dissolved	0.0500	0.0515	103	80.0-120	
Barium,Dissolved	0.0500	0.0497	99.3	80.0-120	
Beryllium,Dissolved	0.0500	0.0505	101	80.0-120	
Cadmium,Dissolved	0.0500	0.0524	105	80.0-120	
Calcium,Dissolved	5.00	5.19	104	80.0-120	
Chromium,Dissolved	0.0500	0.0537	107	80.0-120	
Copper,Dissolved	0.0500	0.0522	104	80.0-120	
Cobalt,Dissolved	0.0500	0.0531	106	80.0-120	
Iron,Dissolved	1.00	1.06	106	80.0-120	
Lead,Dissolved	0.0500	0.0505	101	80.0-120	
Magnesium,Dissolved	5.00	5.28	106	80.0-120	
Nickel,Dissolved	0.0500	0.0543	109	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4311297-2 12/08/25 11:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Potassium,Dissolved	5.00	5.15	103	80.0-120	
Selenium,Dissolved	0.0500	0.0511	102	80.0-120	
Silver,Dissolved	0.0500	0.0488	97.6	80.0-120	
Sodium,Dissolved	5.00	5.34	107	80.0-120	
Thallium,Dissolved	0.0500	0.0511	102	80.0-120	
Vanadium,Dissolved	0.0500	0.0527	105	80.0-120	
Zinc,Dissolved	0.0500	0.0533	107	80.0-120	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

L1923702-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1923702-21 12/08/25 11:24 • (MS) R4311297-4 12/08/25 11:31 • (MSD) R4311297-5 12/08/25 11:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Antimony,Dissolved	0.0500	ND	0.0510	0.0509	101	101	1	75.0-125			0.101	20
Arsenic,Dissolved	0.0500	0.0144	0.0701	0.0733	111	118	1	75.0-125			4.49	20
Barium,Dissolved	0.0500	0.0114	0.0626	0.0633	102	104	1	75.0-125			1.06	20
Beryllium,Dissolved	0.0500	ND	0.0488	0.0479	97.6	95.8	1	75.0-125			1.83	20
Cadmium,Dissolved	0.0500	ND	0.0516	0.0518	103	104	1	75.0-125			0.445	20
Calcium,Dissolved	5.00	2.38	7.44	7.48	101	102	1	75.0-125			0.518	20
Chromium,Dissolved	0.0500	ND	0.0531	0.0543	103	106	1	75.0-125			2.18	20
Copper,Dissolved	0.0500	ND	0.0565	0.0586	107	111	1	75.0-125			3.70	20
Cobalt,Dissolved	0.0500	ND	0.0533	0.0541	103	105	1	75.0-125			1.60	20
Iron,Dissolved	1.00	0.387	1.57	1.84	118	145	1	75.0-125		J5	15.7	20
Lead,Dissolved	0.0500	0.00511	0.0567	0.0604	103	111	1	75.0-125			6.28	20
Magnesium,Dissolved	5.00	ND	5.39	5.38	102	102	1	75.0-125			0.163	20
Nickel,Dissolved	0.0500	0.0818	0.134	0.136	105	108	1	75.0-125			1.12	20
Potassium,Dissolved	5.00	8.63	13.7	13.8	102	104	1	75.0-125			0.717	20
Selenium,Dissolved	0.0500	ND	0.0518	0.0522	102	103	1	75.0-125			0.756	20
Silver,Dissolved	0.0500	ND	0.0479	0.0486	95.8	97.2	1	75.0-125			1.38	20
Sodium,Dissolved	5.00	228	235	235	146	148	1	75.0-125	V	V	0.0354	20
Thallium,Dissolved	0.0500	ND	0.0490	0.0492	98.0	98.4	1	75.0-125			0.352	20
Vanadium,Dissolved	0.0500	0.00632	0.0583	0.0590	104	105	1	75.0-125			1.16	20
Zinc,Dissolved	0.0500	ND	0.0661	0.0666	102	103	1	75.0-125			0.719	20

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4309135-4 12/02/25 11:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0469	0.0500
Acrylonitrile	U		0.00809	0.0100
Benzene	U		0.000320	0.00100
Bromochloromethane	U		0.000437	0.00100
Bromodichloromethane	U		0.000371	0.00100
Bromoform	U		0.000548	0.00100
Bromomethane	U		0.00485	0.00500
Carbon disulfide	U		0.000510	0.00100
Carbon tetrachloride	U		0.000360	0.00100
Chlorobenzene	U		0.000266	0.00100
Chlorodibromomethane	U		0.000398	0.00100
Chloroethane	U		0.00279	0.00500
Chloroform	U		0.00128	0.00500
Chloromethane	U		0.00170	0.00500
Dibromomethane	U		0.000422	0.00100
1,2-Dichlorobenzene	U		0.000304	0.00100
1,4-Dichlorobenzene	U		0.000277	0.00100
trans-1,4-Dichloro-2-butene	U		0.00186	0.00250
1,1-Dichloroethane	U		0.000389	0.00100
1,2-Dichloroethane	U		0.000395	0.00100
1,1-Dichloroethene	U		0.000422	0.00100
cis-1,2-Dichloroethene	U		0.000323	0.00100
trans-1,2-Dichloroethene	U		0.000348	0.00100
1,2-Dichloropropane	U		0.000427	0.00100
cis-1,3-Dichloropropene	U		0.000348	0.00100
trans-1,3-Dichloropropene	U		0.000313	0.00100
2-Hexanone	U		0.00580	0.0200
Ethylbenzene	U		0.000234	0.00100
Iodomethane	U		0.00996	0.0300
2-Butanone (MEK)	U		0.00900	0.0200
Methylene Chloride	U		0.00148	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200
Styrene	U		0.000342	0.00100
1,1,1,2-Tetrachloroethane	U		0.000381	0.00100
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100
Tetrachloroethene	U		0.000358	0.00100
Toluene	U		0.000274	0.00100
1,1,1-Trichloroethane	U		0.000336	0.00100
1,1,2-Trichloroethane	U		0.000375	0.00100
Trichloroethene	U		0.000383	0.00100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4309135-4 12/02/25 11:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichlorofluoromethane	U		0.00304	0.00500
1,2,3-Trichloropropane	U		0.000602	0.00250
Vinyl acetate	U		0.00847	0.0100
Vinyl chloride	U		0.000458	0.00100
Xylenes, Total	U		0.000319	0.00300
(S) Toluene-d8	101			80.0-120
(S) 4-Bromofluorobenzene	96.4			77.0-126
(S) 1,2-Dichloroethane-d4	103			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4309135-1 12/02/25 09:22 • (LCSD) R4309135-2 12/02/25 09:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0500	0.0534	0.0559	107	112	19.0-160			4.57	27
Acrylonitrile	0.0500	0.0441	0.0459	88.2	91.8	55.0-149			4.00	20
Benzene	0.0100	0.00890	0.00877	89.0	87.7	70.0-123			1.47	20
Bromochloromethane	0.0100	0.00920	0.00897	92.0	89.7	76.0-122			2.53	20
Bromodichloromethane	0.0100	0.00912	0.00905	91.2	90.5	75.0-120			0.770	20
Bromoform	0.0100	0.00907	0.00925	90.7	92.5	68.0-132			1.97	20
Bromomethane	0.0100	0.00800	0.00823	80.0	82.3	10.0-160			2.83	25
Carbon disulfide	0.0100	0.00826	0.00818	82.6	81.8	61.0-128			0.973	20
Carbon tetrachloride	0.0100	0.00936	0.00890	93.6	89.0	68.0-126			5.04	20
Chlorobenzene	0.0100	0.00925	0.00906	92.5	90.6	80.0-121			2.08	20
Chlorodibromomethane	0.0100	0.00972	0.00958	97.2	95.8	77.0-125			1.45	20
Chloroethane	0.0100	0.00917	0.00887	91.7	88.7	47.0-150			3.33	20
Chloroform	0.0100	0.00894	0.00887	89.4	88.7	73.0-120			0.786	20
Chloromethane	0.0100	0.00644	0.00674	64.4	67.4	41.0-142			4.55	20
Dibromomethane	0.0100	0.00941	0.00942	94.1	94.2	80.0-120			0.106	20
1,2-Dichlorobenzene	0.0100	0.00951	0.00972	95.1	97.2	79.0-121			2.18	20
1,4-Dichlorobenzene	0.0100	0.00952	0.00937	95.2	93.7	79.0-120			1.59	20
trans-1,4-Dichloro-2-butene	0.0100	0.00927	0.00903	92.7	90.3	33.0-144			2.62	20
1,1-Dichloroethane	0.0100	0.00858	0.00871	85.8	87.1	70.0-126			1.50	20
1,2-Dichloroethane	0.0100	0.00884	0.00885	88.4	88.5	70.0-128			0.113	20
1,1-Dichloroethene	0.0100	0.00860	0.00848	86.0	84.8	71.0-124			1.41	20
cis-1,2-Dichloroethene	0.0100	0.00904	0.00898	90.4	89.8	73.0-120			0.666	20
trans-1,2-Dichloroethene	0.0100	0.00899	0.00890	89.9	89.0	73.0-120			1.01	20
1,2-Dichloropropane	0.0100	0.00913	0.00911	91.3	91.1	77.0-125			0.219	20
cis-1,3-Dichloropropene	0.0100	0.00948	0.00946	94.8	94.6	80.0-123			0.211	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4309135-1 12/02/25 09:22 • (LCSD) R4309135-2 12/02/25 09:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.0100	0.00978	0.00961	97.8	96.1	78.0-124			1.75	20
2-Hexanone	0.0500	0.0437	0.0481	87.4	96.2	67.0-149			9.59	20
Ethylbenzene	0.0100	0.00941	0.00939	94.1	93.9	79.0-123			0.213	20
Iodomethane	0.0500	0.0292	0.0337	58.4	67.4	33.0-147	J		14.3	26
2-Butanone (MEK)	0.0500	0.0449	0.0478	89.8	95.6	44.0-160			6.26	20
Methylene Chloride	0.0100	0.00909	0.00895	90.9	89.5	67.0-120			1.55	20
4-Methyl-2-pentanone (MIBK)	0.0500	0.0445	0.0467	89.0	93.4	68.0-142			4.82	20
Styrene	0.0100	0.00957	0.00956	95.7	95.6	73.0-130			0.105	20
1,1,1,2-Tetrachloroethane	0.0100	0.00942	0.00921	94.2	92.1	75.0-125			2.25	20
1,1,2,2-Tetrachloroethane	0.0100	0.0106	0.0106	106	106	65.0-130			0.000	20
Tetrachloroethene	0.0100	0.00942	0.00953	94.2	95.3	72.0-132			1.16	20
Toluene	0.0100	0.00913	0.00909	91.3	90.9	79.0-120			0.439	20
1,1,1-Trichloroethane	0.0100	0.00916	0.00912	91.6	91.2	73.0-124			0.438	20
1,1,2-Trichloroethane	0.0100	0.00933	0.00947	93.3	94.7	80.0-120			1.49	20
Trichloroethene	0.0100	0.00847	0.00842	84.7	84.2	78.0-124			0.592	20
Trichlorofluoromethane	0.0100	0.00964	0.00951	96.4	95.1	59.0-147			1.36	20
1,2,3-Trichloropropane	0.0100	0.0104	0.00992	104	99.2	73.0-130			4.72	20
Vinyl acetate	0.0500	0.0828	0.0823	166	165	11.0-160	J4	J4	0.606	20
Vinyl chloride	0.0100	0.00872	0.00828	87.2	82.8	67.0-131			5.18	20
Xylenes, Total	0.0300	0.0288	0.0284	96.0	94.7	79.0-123			1.40	20
(S) Toluene-d8				99.1	101	80.0-120				
(S) 4-Bromofluorobenzene				96.6	98.9	77.0-126				
(S) 1,2-Dichloroethane-d4				101	104	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4310331-3 12/02/25 10:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0469	0.0500
Acrylonitrile	U		0.00809	0.0100
Benzene	U		0.000320	0.00100
Bromochloromethane	U		0.000437	0.00100
Bromodichloromethane	U		0.000371	0.00100
Bromoform	U		0.000548	0.00100
Bromomethane	U		0.00485	0.00500
Carbon disulfide	U		0.000510	0.00100
Carbon tetrachloride	U		0.000360	0.00100
Chlorobenzene	U		0.000266	0.00100
Chlorodibromomethane	U		0.000398	0.00100
Chloroethane	U		0.00279	0.00500
Chloroform	U		0.00128	0.00500
Chloromethane	U		0.00170	0.00500
Dibromomethane	U		0.000422	0.00100
1,2-Dichlorobenzene	U		0.000304	0.00100
1,4-Dichlorobenzene	U		0.000277	0.00100
trans-1,4-Dichloro-2-butene	U		0.00186	0.00250
1,1-Dichloroethane	U		0.000389	0.00100
1,2-Dichloroethane	U		0.000395	0.00100
1,1-Dichloroethene	U		0.000422	0.00100
cis-1,2-Dichloroethene	U		0.000323	0.00100
trans-1,2-Dichloroethene	U		0.000348	0.00100
1,2-Dichloropropane	U		0.000427	0.00100
cis-1,3-Dichloropropene	U		0.000348	0.00100
trans-1,3-Dichloropropene	U		0.000313	0.00100
Ethylbenzene	U		0.000234	0.00100
2-Hexanone	U		0.00580	0.0200
Iodomethane	U		0.00996	0.0300
2-Butanone (MEK)	U		0.00900	0.0200
Methylene Chloride	U		0.00148	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200
Styrene	U		0.000342	0.00100
1,1,1,2-Tetrachloroethane	U		0.000381	0.00100
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100
Tetrachloroethene	U		0.000358	0.00100
Toluene	U		0.000274	0.00100
1,1,1-Trichloroethane	U		0.000336	0.00100
1,1,2-Trichloroethane	U		0.000375	0.00100
Trichloroethene	U		0.000383	0.00100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4310331-3 12/02/25 10:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichlorofluoromethane	U		0.00304	0.00500
1,2,3-Trichloropropane	U		0.000602	0.00250
Vinyl acetate	U		0.00847	0.0100
Vinyl chloride	U		0.000458	0.00100
Xylenes, Total	U		0.000319	0.00300
(S) Toluene-d8	105			80.0-120
(S) 4-Bromofluorobenzene	89.6			77.0-126
(S) 1,2-Dichloroethane-d4	109			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4310331-1 12/02/25 08:57 • (LCSD) R4310331-2 12/02/25 09:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0500	U	0.0697	85.2	139	19.0-160	J4	J3	48.3	27
Acrylonitrile	0.0500	0.0502	0.0522	100	104	55.0-149			3.91	20
Benzene	0.0100	0.00867	0.00859	86.7	85.9	70.0-123			0.927	20
Bromochloromethane	0.0100	0.00880	0.00875	88.0	87.5	76.0-122			0.570	20
Bromodichloromethane	0.0100	0.00880	0.00879	88.0	87.9	75.0-120			0.114	20
Bromoform	0.0100	0.00819	0.00843	81.9	84.3	68.0-132			2.89	20
Bromomethane	0.0100	0.00635	0.00581	63.5	58.1	10.0-160			8.88	25
Carbon disulfide	0.0100	0.00800	0.00775	80.0	77.5	61.0-128			3.17	20
Carbon tetrachloride	0.0100	0.00859	0.00859	85.9	85.9	68.0-126			0.000	20
Chlorobenzene	0.0100	0.00922	0.00899	92.2	89.9	80.0-121			2.53	20
Chlorodibromomethane	0.0100	0.00875	0.00874	87.5	87.4	77.0-125			0.114	20
Chloroethane	0.0100	0.0105	0.0103	105	103	47.0-150			1.92	20
Chloroform	0.0100	0.00886	0.00876	88.6	87.6	73.0-120			1.14	20
Chloromethane	0.0100	0.0103	0.00970	103	97.0	41.0-142			6.00	20
Dibromomethane	0.0100	0.00895	0.00904	89.5	90.4	80.0-120			1.00	20
1,2-Dichlorobenzene	0.0100	0.00981	0.00979	98.1	97.9	79.0-121			0.204	20
1,4-Dichlorobenzene	0.0100	0.0101	0.0102	101	102	79.0-120			0.985	20
trans-1,4-Dichloro-2-butene	0.0100	0.0107	0.0107	107	107	33.0-144			0.000	20
1,1-Dichloroethane	0.0100	0.00944	0.00935	94.4	93.5	70.0-126			0.958	20
1,2-Dichloroethane	0.0100	0.00990	0.00974	99.0	97.4	70.0-128			1.63	20
1,1-Dichloroethene	0.0100	0.00798	0.00749	79.8	74.9	71.0-124			6.33	20
cis-1,2-Dichloroethene	0.0100	0.00829	0.00805	82.9	80.5	73.0-120			2.94	20
trans-1,2-Dichloroethene	0.0100	0.00863	0.00823	86.3	82.3	73.0-120			4.74	20
1,2-Dichloropropane	0.0100	0.00954	0.00982	95.4	98.2	77.0-125			2.89	20
cis-1,3-Dichloropropene	0.0100	0.00858	0.00850	85.8	85.0	80.0-123			0.937	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4310331-1 12/02/25 08:57 • (LCSD) R4310331-2 12/02/25 09:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.0100	0.00925	0.00950	92.5	95.0	78.0-124			2.67	20
Ethylbenzene	0.0100	0.00907	0.00906	90.7	90.6	79.0-123			0.110	20
2-Hexanone	0.0500	0.0479	0.0581	95.8	116	67.0-149			19.2	20
Iodomethane	0.0500	0.0349	0.0385	69.8	77.0	33.0-147			9.81	26
2-Butanone (MEK)	0.0500	0.0460	0.0598	92.0	120	44.0-160		J3	26.1	20
Methylene Chloride	0.0100	0.00870	0.00855	87.0	85.5	67.0-120			1.74	20
4-Methyl-2-pentanone (MIBK)	0.0500	0.0546	0.0585	109	117	68.0-142			6.90	20
Styrene	0.0100	0.00872	0.00879	87.2	87.9	73.0-130			0.800	20
1,1,1,2-Tetrachloroethane	0.0100	0.00845	0.00828	84.5	82.8	75.0-125			2.03	20
1,1,2,2-Tetrachloroethane	0.0100	0.0105	0.0107	105	107	65.0-130			1.89	20
Tetrachloroethene	0.0100	0.00907	0.00947	90.7	94.7	72.0-132			4.31	20
Toluene	0.0100	0.00926	0.00918	92.6	91.8	79.0-120			0.868	20
1,1,1-Trichloroethane	0.0100	0.00874	0.00879	87.4	87.9	73.0-124			0.570	20
1,1,2-Trichloroethane	0.0100	0.00930	0.00935	93.0	93.5	80.0-120			0.536	20
Trichloroethene	0.0100	0.00865	0.00856	86.5	85.6	78.0-124			1.05	20
Trichlorofluoromethane	0.0100	0.00918	0.00905	91.8	90.5	59.0-147			1.43	20
1,2,3-Trichloropropane	0.0100	0.0113	0.0115	113	115	73.0-130			1.75	20
Vinyl acetate	0.0500	0.0600	0.0597	120	119	11.0-160			0.501	20
Vinyl chloride	0.0100	0.0110	0.0109	110	109	67.0-131			0.913	20
Xylenes, Total	0.0300	0.0268	0.0271	89.3	90.3	79.0-123			1.11	20
(S) Toluene-d8				104	104	80.0-120				
(S) 4-Bromofluorobenzene				93.1	91.6	77.0-126				
(S) 1,2-Dichloroethane-d4				107	105	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4311732-1 12/08/25 20:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Ethylene Dibromide	U		0.0000550	0.0000200
1,2-Dibromo-3-Chloropropane	U		0.0000380	0.0000200
(S) 1,1,1,2-Tetrachloroethane	108			60.0-140

L1923424-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1923424-01 12/08/25 21:00 • (DUP) R4311732-3 12/08/25 20:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Ethylene Dibromide	ND	ND	1	0.000		20
1,2-Dibromo-3-Chloropropane	ND	ND	1	0.000		20
(S) 1,1,1,2-Tetrachloroethane		104				60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4311732-4 12/08/25 22:42 • (LCSD) R4311732-5 12/09/25 00:53

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Ethylene Dibromide	0.000250	0.000210	0.000210	84.0	84.0	60.0-140			0.000	20
1,2-Dibromo-3-Chloropropane	0.000250	0.000197	0.000195	78.8	78.0	60.0-140			1.02	20
(S) 1,1,1,2-Tetrachloroethane				99.4	97.6	60.0-140				

L1923424-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1923424-07 12/08/25 20:40 • (MS) R4311732-2 12/08/25 20:30

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	mg/l	mg/l	mg/l	%		%	
Ethylene Dibromide	0.0000998	ND	0.000111	111	1	64.0-159	
1,2-Dibromo-3-Chloropropane	0.0000998	ND	0.000108	108	1	72.0-148	
(S) 1,1,1,2-Tetrachloroethane				103		60.0-140	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

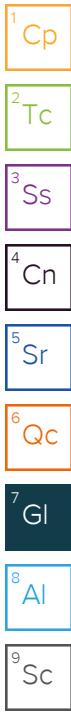
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Company Name/Address: **Weaver Consultants Group - Mt. Juliet, TN**
 145 Bear Crossing

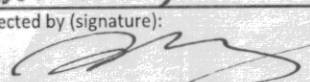
Billing Information: **John Drewnowski**
 145 Bear Crossing Ste. 100
 Mt. Juliet, TN 37122

Report to: **John Drewnowski 615-939-4602**
 Email To: **jdrewnowski@wcgrp.com; bking@wcgrp.com; jh**

Project Description: **Matlock Bend LF - Loudon, TN**
 City/State Collected: _____ Please Circle: **PT** MT CT ET

Regulatory Program (DOD, RCRA, DW, etc): _____ Client Project #: **313-710** Lab Project #: **WEACONMJTN-MATLOCK**

Collected by (print): **Blakking** Site/Facility ID #: _____ P.O. #: _____

Collected by (signature):  **Rush?** (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day STD TAT

Immediately Packed on Ice N Y Date Results Needed: _____ No. of Cntrs: _____

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	**Wet Chem-48hr HT**	125mlHDPE-NoPres	8081/8082 100ml Amb-NoPres	8270AP2 100ml Amb NoPres	ALK 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	COD,NH3 250mlHDPE-H2SO4	FLUORIDE 125mlHDPE-NoPres	MNDG 250mlHDPE-NoPres	Metals 250mlHDPE-HNO3	SULFIDE 250mlAmb-S-NaOH+ZnAC
MW-01	G	GW		12-1-25	13:58	18	X	X	X	X	X	X	X	X	X	X	X
MW-1A	G	GW		12-1-25	14:55	18	X	X	X	X	X	X	X	X	X	X	X
MW-02	G	GW		12-1-25	15:20	18	X	X	X	X	X	X	X	X	X	X	X
MW-03	G	GW		12-1-25	16:58	18	X	X	X	X	X	X	X	X	X	X	X
MW-4R	G	GW		12-1-25		18	X	X	X	X	X	X	X	X	X	X	X
MW-5	G	GW		12-1-25	16:09	8								X	X		
MW-6R	G	GW		12-1-25	13:10	8								X	X		
MW-07	G	GW		12-1-25	16:16	8								X	X		
SPRING	G	GW		12-1-25	14:08	18	X	X	X	X	X	X	X	X	X	X	X
SOUTHWEST SPRING	G	GW		12-1-25	15:40	18	X	X	X	X	X	X	X	X	X	X	X

* Matrix: SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other _____

Remarks: _____

Samples returned via: UPS FedEx Courier _____ Tracking #: **MVTH**

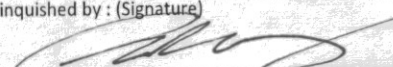
pH _____ Temp _____
 Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N

If Applicable

VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)  Date: **12-1-25** Time: **6:41pm** Received by: (Signature) _____ Trip Blank Received: Yes / No
 HCL / MeOH
 TBR

Relinquished by: (Signature) _____ Date: _____ Time: _____ Received by: (Signature) _____ Temp: **MVTH** °C Bottles Received: **168**

Relinquished by: (Signature) _____ Date: _____ Time: _____ Received for lab by: (Signature) **Egon Pagan** Date: **12/2/25** Time: **0800** Hold: _____ Condition: **NCF / OK**

Analysis / Container / Preservative

Chain of Custody Page _____ of _____

Pace
 PEOPLE ADVANCING SCIENCE

MT JULIET, TN
 12065 Lebanon Rd Mount Juliet, TN 37122
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

SDG # **1923100**

Table **K022**

Acctnum: **WEACONMJTN**
 Template: **T284881**
 Prelogin: **P1192300**
 PM: **3500 - Jennifer Gambill**
 PB: **11-29-25**

Shipped Via: **Client**

Remarks _____ Sample # (lab only) _____

Company Name/Address:
Weaver Consultants Group - Mt. Juliet, TN
 145 Bear Crossing

Billing Information:
 John Drewnowski
 145 Bear Crossing
 Ste. 100
 Mt. Juliet, TN 37122

Report to:
John Drewnowski 615-939-4602

Email To:
 jdrewnowski@wcgrp.com; bking@wcgrp.com; jh

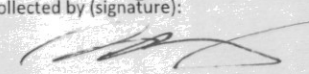
Project Description:
Matlock Bend LF - Loudon, TN

City/State Collected:
 Please Circle: PT MT CT ET

Regulatory Program(DOD, RCRA, DW, etc):
 Client Project # **313-710**
 Lab Project # **WEACONMJTN-MATLOCK**

Collected by (print):
B King

Site/Facility ID #
 P.O. #

Collected by (signature):


Rush? (Lab MUST Be Notified)
 ___ Same Day ___ Five Day
 ___ Next Day ___ 5 Day (Rad Only)
 ___ Two Day ___ 10 Day (Rad Only)
 ___ Three Day ___ STD TAT

Quote #
 Date Results Needed

Immediately Packed on Ice N ___ Y

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
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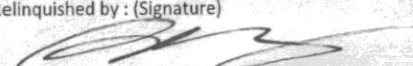
MW-01	G	GW		12-1-25	13:58	18
MW-1A	G	GW		12-1-25	14:55	18
MW-02	G	GW		12-1-25	15:20	18
MW-03	G	GW		12-1-25	11:58	18
MW-4R	G	GW		12-1-25		18
MW-5	G	GW		12-1-25	11:09	8
MW-6R	G	GW		12-1-25	13:10	8
MW-07	G	GW		12-1-25	10:16	8
SPRING	G	GW		12-1-25	14:08	18
SOUTHWEST SPRING	G	GW		12-1-25	15:40	18

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:

Samples returned via:
 ___ UPS ___ FedEx ___ Courier

Tracking # **MVA1**

Relinquished by: (Signature) 	Date: 12-1-25	Time: 6:41pm	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR 6
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C MVA1 168
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Easterly Ryan	Date: 12/2/25 Time: 0800

Analysis / Container / Preservative	SV8011 40mlCr-NaThio	SV8151AP2 1L-Amb NoPres	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	Total AP2 Metals 250mlHDPE HNO3	V8260AP1 40mlAmb-HCl	V8260AP1 40mlAmb-HCl-BLK	V8260AP2 40mlAmb HCl
	X	X	X	X	X	X	X	X

Chain of Custody Page ___ of ___

Pace
 PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

SDG # **U973100**

Table #

Acctnum: **WEACONMJTN**

Template: **T284881**

Prelogin: **P1192300**

PM: **3500 - Jennifer Gambill**

PB: **11-24-26**

Shipped Via: **Client**

Remarks | Sample # (lab only)

Sample Receipt Checklist

COC Seal Present/Intact:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
COC Signed/Accurate:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Bottles arrive intact:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Correct bottles used:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Sufficient volume sent:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
If Applicable		
VOA Zero Headpace:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Preservation Correct/Checked:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N

If preservation required by Login: Date/Time

Hold: Condition: **NCF / OK**

Company Name/Address: Weaver Consultants Group - Mt. Juliet, TN 145 Bear Crossing		Billing Information: John Drewnowski 145 Bear Crossing Ste. 100 Mt. Juliet, TN 37122	Pres Chk	Analysis / Container / Preservative										Chain of Custody Page ___ of ___
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Report to: John Drewnowski 615-939-4602	Email To: jdrewnowski@wcgrp.com; bking@wcgrp.com; jh
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Project Description: Matlock Bend LF - Loudon, TN	City/State Collected:	Please Circle: PT MT CT ET
--	-----------------------	-------------------------------

Regulatory Program(DOD, RCRA, DW, etc):	Client Project # 313-710	Lab Project # WEACONMJTN-MATLOCK
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Collected by (print): Blake King	Site/Facility ID #	P.O. #
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Collected by (signature): 	Rush? (Lab MUST Be Notified) Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day ___ STD TAT ___	Quote #	Date Results Needed	No. of Cntrs
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Immediately Packed on Ice N ___ Y <input checked="" type="checkbox"/>	Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	**Wet Chem-48hr HT** 125mlHDPE-NoPres	8081/8082 100ml Amb-NoPres	8270AP2 100ml Amb NoPres	ALK 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	COD,NH3 250mlHDPE-H2SO4	FLUORIDE 125mlHDPE-NoPres	MNDG 250mlHDPE-NoPres	Metals 250mlHDPE-HNO3	SULFIDE 250mlAmb-S-NaOH+ZnAc
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Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	**Wet Chem-48hr HT** 125mlHDPE-NoPres	8081/8082 100ml Amb-NoPres	8270AP2 100ml Amb NoPres	ALK 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	COD,NH3 250mlHDPE-H2SO4	FLUORIDE 125mlHDPE-NoPres	MNDG 250mlHDPE-NoPres	Metals 250mlHDPE-HNO3	SULFIDE 250mlAmb-S-NaOH+ZnAc
DUPLICATE	G	GW		12-1-25		18	X	X	X	X	X	X		X		X
FIELD BLANK	G	GW		12-1-25	8:50	18	X	X	X	X	X	X		X		X
TRIP BLANK	G	GW		12-1-25		1										
		GW				18	X	X	X	X	X	X		X		X
		GW				8							X		X	

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other	Remarks:	pH _____ Temp _____ Flow _____ Other _____	Sample Receipt Checklist COC Seal Present/Intact: <input checked="" type="checkbox"/> NP <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N If Applicable VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N
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Relinquished by: (Signature) 	Date: 12-1-25	Time: 6:41pm	Received by: (Signature) MvdH	Trip Blank Received: Yes / No MCL / MeOH TBR 3
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C MvdH 168
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Eastern Ogrm	Date: 12/2/25 Time: 0800

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at:
<https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

SDG # 4923100

Table #

Acctnum: WEACONMJTN
Template: T284881
Prelogin: P1192300
PM: 3500 - Jennifer Gambill
PB: 11-24-25

Shipped Via: **Client**

Remarks | Sample # (lab only)
-10
-11
-12

Multiple Parcel Form

L# 41923100

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
	TLA9	1.6	+0.0	1.6	Yes / No / Not Present
	TLA9	1.9	+0.0	1.9	Yes / No / Not Present
	TLA9	2.0	+0.0	2.0	Yes / No / Not Present
	TLA9	1.8	+0.0	1.8	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Erwin Pagan

12/2/25

Name

Date



GROUNDWATER SAMPLING FIELD DATA SHEET

Facility: <u>Matlock Bend Landfill</u>	Well Number: <u>MW-01</u>	Collection Sequence: <u>6/10</u>
Location: <u>Loudon County, TN</u>	Purged & Sampled By: <u>Jenny Holt & Blake King</u>	
Type: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface <input type="checkbox"/> Treatment Effluent <input type="checkbox"/> Other		
Equipment: <input type="checkbox"/> Bailer <input type="checkbox"/> Dipper <input checked="" type="checkbox"/> Dedicated Pump <input type="checkbox"/> Other		
Well Status: <input type="checkbox"/> Detection <input type="checkbox"/> Background <input checked="" type="checkbox"/> Assessment <input type="checkbox"/> Corrective Action <input type="checkbox"/> Other		
Casing Size: <input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> Other		
Weather Conditions: <u>Partly cloudy, high in the 30s, light wind, 1 day since last rain</u>		

Event Start Date: <u>12/1/2025</u>	Depth to Water on Event Start Date: <u>9.28</u>
Top of Casing (ft/MSL): <u>830.87</u>	W.L. Elevations (ft/MSL): <u>821.59</u>
Depth to Water Prior to Purge (ft): <u>9.28</u>	Volume in Casing (gal): <u>5.82</u>
Depth of Well (ft): <u>45.00</u>	Volume Purged (gal): <u>0.63</u>
Purge Time until Stable (mins): <u>6</u>	Depth to Water after Purge (ft): <u>10.41</u>
Drawdown Prior to Sample (ft): <u>N/A</u>	Depth to Water at Sample (ft): <u>N/A</u>

Sample Date: 12/1/2025 Purge Start: 13:50 Purge End: 13:56 Sample Time: 13:58

Time	Volume (gal)	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	ORP (mV)	D.O (mg/L)	Turbidity (NTU)	Purge Rate (gpm)
13:50	0.32	6.45	459.5	14.6	189.6	4.35	71.91	0.05
13:53	0.48	6.42	450.7	14.8	185.8	1.89	107.22	0.05
13:56	0.63	6.44	451.1	14.8	185.4	1.74	93.08	0.05

Odor at sample: None Field QC Sample: N/A Field QC Sample Time: N/A

Well Integrity: Pad buried under sediment, lock good, lid in poor condition, bollards paint chipping, pump good

Purge Description: Slightly turbid

Semi-Annual Parameters: Appendix I & additional parameters

Meter Calibration: pH, Temp, Conductivity*:	Model: <u>YSI ProDSS</u>
Water Level Meter:	Model: <u>Heron</u>
*Field Meter Calibration Date: <u>12/1/2025</u>	*Field Meter Calibration Time: <u>8:00</u>

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Blake King Date: 12/2/2025



GROUNDWATER SAMPLING FIELD DATA SHEET

Facility: <u>Matlock Bend Landfill</u> Location: <u>Loudon County, TN</u>	Well Number: <u>MW-02</u> Purged & Sampled By: <u>Jenny Holt & Blake King</u>	Collection Sequence: <u>8/10</u>
Type: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface <input type="checkbox"/> Treatment Effluent <input type="checkbox"/> Other Equipment: <input type="checkbox"/> Bailer <input type="checkbox"/> Dipper <input checked="" type="checkbox"/> Dedicated Pump <input type="checkbox"/> Other Well Status: <input type="checkbox"/> Detection <input type="checkbox"/> Background <input checked="" type="checkbox"/> Assessment <input type="checkbox"/> Corrective Action <input type="checkbox"/> Other Casing Size: <input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> Other Weather Conditions: <u>Partly cloudy, high in the 30s, light wind, 1 day since last rain</u>		

Event Start Date: <u>12/1/2025</u>	Depth to Water on Event Start Date: <u>27.02</u>
Top of Casing (ft/MSL): <u>825.20</u>	W.L. Elevations (ft/MSL): <u>798.18</u>
Depth to Water Prior to Purge (ft): <u>27.02</u>	Volume in Casing (gal): <u>2.62</u>
Depth of Well (ft): <u>43.10</u>	Volume Purged (gal): <u>0.85</u>
Purge Time until Stable (mins): <u>11</u>	Depth to Water after Purge (ft): <u>34.35</u>
Drawdown Prior to Sample (ft): <u>N/A</u>	Depth to Water at Sample (ft): <u>N/A</u>

Sample Date: 12/1/2025 Purge Start: 15:08 Purge End: 15:19 Sample Time: 15:20

Time	Volume (gal)	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	ORP (mV)	D.O (mg/L)	Turbidity (NTU)	Purge Rate (gpm)
15:10	0.37	5.01	83.0	14.5	242.8	2.51	3.04	0.05
15:13	0.53	4.86	79.0	14.4	287.4	2.61	2.96	0.05
15:16	0.69	4.87	78.1	14.5	294.2	3.27	2.78	0.05
15:19	0.84	4.87	76.4	14.5	295.0	3.00	2.80	0.05

Odor at sample: None Field QC Sample: N/A Field QC Sample Time: N/A
 Well Integrity: Pad covered with sediment, lock, lid, bollards, pump hardware all good
 Purge Description: Clear
 Semi-Annual Parameters: Appendix I & additional parameters

Meter Calibration: pH, Temp, Conductivity*:	Model: <u>YSI ProDSS</u>
Water Level Meter:	Model: <u>Heron</u>
*Field Meter Calibration Date: <u>12/1/2025</u>	*Field Meter Calibration Time: <u>8:00</u>

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Blake king Date: 12/2/2025



GROUNDWATER SAMPLING FIELD DATA SHEET

Facility: <u>Matlock Bend Landfill</u> Location: <u>Loudon County, TN</u>	Well Number: <u>MW-03</u> Purged & Sampled By: <u>Jenny Holt & Blake King</u>	Collection Sequence: <u>4/10</u>
Type: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface <input type="checkbox"/> Treatment Effluent <input type="checkbox"/> Other Equipment: <input type="checkbox"/> Bailer <input type="checkbox"/> Dipper <input checked="" type="checkbox"/> Dedicated Pump <input type="checkbox"/> Other Well Status: <input type="checkbox"/> Detection <input type="checkbox"/> Background <input checked="" type="checkbox"/> Assessment <input type="checkbox"/> Corrective Action <input type="checkbox"/> Other Casing Size: <input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> Other Weather Conditions: <u>Partly cloudy, high in the 30s, light wind, 1 day since last rain</u>		

Event Start Date: <u>12/1/2025</u>	Depth to Water on Event Start Date: <u>17.53</u>
Top of Casing (ft/MSL): <u>867.86</u>	W.L. Elevations (ft/MSL): <u>850.33</u>
Depth to Water Prior to Purge (ft): <u>17.53</u>	Volume in Casing (gal): <u>3.92</u>
Depth of Well (ft): <u>41.60</u>	Volume Purged (gal): <u>0.85</u>
Purge Time until Stable (mins): <u>16</u>	Depth to Water after Purge (ft): <u>32.7</u>
Drawdown Prior to Sample (ft): <u>N/A</u>	Depth to Water at Sample (ft): <u>N/A</u>

Sample Date: 12/1/2025 Purge Start: 11:40 Purge End: 11:56 Sample Time: 11:58

Time	Volume (gal)	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	ORP (mV)	D.O (mg/L)	Turbidity (NTU)	Purge Rate (gpm)
11:47	0.37	5.92	412.4	15.1	209.0	1.37	98.71	0.05
11:50	0.53	5.88	376.2	15.1	212.6	1.59	111.50	0.05
11:53	0.69	5.84	350.7	15.2	214.9	1.68	121.99	0.05
11:56	0.85	5.79	322.0	15.2	218.7	1.58	129.63	0.05

Odor at sample: None Field QC Sample: N/A Field QC Sample Time: N/A
 Well Integrity: Well needs raised, no cap, lock, or lid present, pump hardware dirty, one bollard is knocked over
 Purge Description: Clumped sediment with slight turbidity at first, then cleared up slightly
 Semi-Annual Parameters: Appendix I & additional parameters

Meter Calibration: pH, Temp, Conductivity*:	Model: <u>YSI ProDSS</u>
Water Level Meter:	Model: <u>Heron</u>
*Field Meter Calibration Date: <u>12/1/2025</u>	*Field Meter Calibration Time: <u>8:00</u>

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Blake King Date: 12/2/2025



GROUNDWATER SAMPLING FIELD DATA SHEET

Facility: Matlock Bend Landfill Well Number: MW-05 Collection Sequence: 3/10
 Location: Loudon County, TN Purged & Sampled By: Jenny Holt & Blake King

Type: Groundwater Surface Treatment Effluent Other
 Equipment: Bailer Dipper Dedicated Pump Other
 Well Status: Detection Background Assessment Corrective Action Other
 Casing Size: 2" 4" 6" Other

Weather Conditions: Partly cloudy, high in the 30s, light wind, 1 day since last rain

Event Start Date:	<u>12/1/2025</u>	Depth to Water on Event Start Date:	<u>120.04</u>
Top of Casing (ft/MSL):	<u>936.84</u>	W.L. Elevations (ft/MSL):	<u>816.80</u>
Depth to Water Prior to Purge (ft):	<u>120.04</u>	Volume in Casing (gal):	<u>8.59</u>
Depth of Well (ft):	<u>172.71</u>	Volume Purged (gal):	<u>0.63</u>
Purge Time until Stable (mins):	<u>12</u>	Depth to Water after Purge (ft):	<u>120.07</u>
Drawdown Prior to Sample (ft):	<u>N/A</u>	Depth to Water at Sample (ft):	<u>N/A</u>

Sample Date: 12/1/2025 Purge Start: 10:56 Purge End: 11:08 Sample Time: 11:09

Time	Volume (gal)	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	ORP (mV)	D.O (mg/L)	Turbidity (NTU)	Purge Rate (gpm)
10:59	0.16	7.42	295.5	14.9	167.6	9.80	21.20	0.05
11:02	0.32	7.59	295.1	14.9	163.1	9.60	19.95	0.05
11:05	0.48	7.66	295.0	14.9	160.0	9.50	19.50	0.05
11:08	0.63	7.71	295.0	14.9	157.3	9.48	21.74	0.05

Odor at sample: None Field QC Sample: _____ Field QC Sample Time: _____
 Well Integrity: Lock broken, pad covered with sediment, paint chipping, lid and pump hardware good
 Purge Description: Clear
 Semi-Annual Parameters: Appendix I only

Meter Calibration: pH, Temp, Conductivity*:	Model: <u>YSI ProDSS</u>
Water Level Meter:	Model: <u>Heron</u>
*Field Meter Calibration Date: <u>12/1/2025</u>	*Field Meter Calibration Time: <u>8:00</u>

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Blake King Date: 12/2/2025



GROUNDWATER SAMPLING FIELD DATA SHEET

Facility: <u>Matlock Bend Landfill</u> Location: <u>Loudon County, TN</u>	Well Number: <u>MW-6R</u> Purged & Sampled By: <u>Jenny Holt & Blake King</u>	Collection Sequence: <u>5/10</u>
Type: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface <input type="checkbox"/> Treatment Effluent <input type="checkbox"/> Other Equipment: <input type="checkbox"/> Bailer <input type="checkbox"/> Dipper <input checked="" type="checkbox"/> Dedicated Pump <input type="checkbox"/> Other Well Status: <input checked="" type="checkbox"/> Detection <input type="checkbox"/> Background <input type="checkbox"/> Assessment <input type="checkbox"/> Corrective Action <input type="checkbox"/> Other Casing Size: <input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> Other Weather Conditions: <u>Partly cloudy, high in the 30s, light wind, 1 day since last rain</u>		

Event Start Date: <u>12/1/2025</u>	Depth to Water on Event Start Date: <u>52.46</u>
Top of Casing (ft/MSL): <u>895.52</u>	W.L. Elevations (ft/MSL): <u>843.06</u>
Depth to Water Prior to Purge (ft): <u>52.46</u>	Volume in Casing (gal): <u>1.65</u>
Depth of Well (ft): <u>62.6</u>	Volume Purged (gal): <u>0.63</u>
Purge Time until Stable (mins): <u>12</u>	Depth to Water after Purge (ft): <u>58.66 (pump)</u>
Drawdown Prior to Sample (ft): <u>N/A</u>	Depth to Water at Sample (ft): <u>N/A</u>

Sample Date: 12/1/2025 Purge Start: 12:57 Purge End: 13:09 Sample Time: 13:10

Time	Volume (gal)	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	ORP (mV)	D.O (mg/L)	Turbidity (NTU)	Purge Rate (gpm)
13:00	0.16	5.79	21.5	14.5	199.1	7.84	47.53	0.05
13:03	0.32	5.52	20.7	14.5	224.7	7.63	27.65	0.05
13:06	0.48	5.46	20.3	14.5	232.9	7.61	29.21	0.05
13:09	0.63	5.43	20.2	14.5	239.1	7.62	30.14	0.05

Odor at sample: None Field QC Sample: N/A Field QC Sample Time: N/A
 Well Integrity: Well and pad in good condition, crack extending across concrete pad though
 Purge Description: Clear
 Semi-Annual Parameters: Appendix I only

Meter Calibration: pH, Temp, Conductivity*:	Model: <u>YSI ProDSS</u>
Water Level Meter:	Model: <u>Heron</u>
*Field Meter Calibration Date: <u>12/1/2025</u>	*Field Meter Calibration Time: <u>8:00</u>

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Blake King Date: 12/2/2025



GROUNDWATER SAMPLING FIELD DATA SHEET

Facility: <u>Matlock Bend Landfill</u>	Well Number: <u>MW-07</u>	Collection Sequence: <u>2/10</u>
Location: <u>Loudon County, TN</u>	Purged & Sampled By: <u>Jenny Holt & Blake King</u>	
Type: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface <input type="checkbox"/> Treatment Effluent <input type="checkbox"/> Other		
Equipment: <input type="checkbox"/> Bailer <input type="checkbox"/> Dipper <input checked="" type="checkbox"/> Dedicated Pump <input type="checkbox"/> Other		
Well Status: <input checked="" type="checkbox"/> Detection <input type="checkbox"/> Background <input type="checkbox"/> Assessment <input type="checkbox"/> Corrective Action <input type="checkbox"/> Other		
Casing Size: <input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> Other		
Weather Conditions: <u>Partly cloudy, high in the 30s, light wind, 1 day since last rain</u>		

Event Start Date: <u>12/1/2025</u>	Depth to Water on Event Start Date: <u>31.92</u>
Top of Casing (ft/MSL): <u>877.13</u>	W.L. Elevations (ft/MSL): <u>845.21</u>
Depth to Water Prior to Purge (ft): <u>31.92</u>	Volume in Casing (gal): <u>0.99</u>
Depth of Well (ft): <u>38</u>	Volume Purged (gal): <u>0.63</u>
Purge Time until Stable (mins): <u>20</u>	Depth to Water after Purge (ft): <u>33.15</u>
Drawdown Prior to Sample (ft): <u>N/A</u>	Depth to Water at Sample (ft): <u>N/A</u>

Sample Date: 12/1/2025 Purge Start: 9:55 Purge End: 10:15 Sample Time: 10:16

Time	Volume (gal)	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	ORP (mV)	D.O (mg/L)	Turbidity (NTU)	Purge Rate (gpm)
10:09	0.32	5.42	25.4	13.5	266.6	9.81	4.8	0.05
10:12	0.48	5.42	25.0	13.5	267.8	9.73	4.6	0.05
10:15	0.63	5.42	24.6	13.5	268.7	9.69	4.6	0.05

Odor at sample: None Field QC Sample: N/A Field QC Sample Time: N/A
 Well Integrity: Well pad, lid, lock, cap, pump hardware all in good condition, access to well is poor
 Purge Description: Clear
 Semi-Annual Parameters: Appendix I only

Meter Calibration: pH, Temp, Conductivity*:	Model: <u>YSI ProDSS</u>
Water Level Meter:	Model: <u>Heron</u>
*Field Meter Calibration Date: <u>12/1/2025</u>	*Field Meter Calibration Time: <u>8:00</u>

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Blake King Date: 12/2/2025



GROUNDWATER SAMPLING FIELD DATA SHEET

Facility: <u>Matlock Bend Landfill</u>	Spring Name: <u>Spring</u>	Collection Sequence: <u>10/10</u>
Location: <u>Loudon County, TN</u>	Purged & Sampled By: <u>Jenny Holt & Blake King</u>	
Type: <input type="checkbox"/> Groundwater <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Treatment Effluent <input type="checkbox"/> Other Equipment: <input type="checkbox"/> Bailer <input type="checkbox"/> Dipper <input type="checkbox"/> Dedicated Pump <input checked="" type="checkbox"/> Other Grab Well Status: <input checked="" type="checkbox"/> Detection <input type="checkbox"/> Background <input type="checkbox"/> Assessment <input type="checkbox"/> Corrective Action <input type="checkbox"/> Other Casing Size: <input type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input checked="" type="checkbox"/> Other		
Weather Conditions: <u>Partly cloudy, high in the 30s, light wind, 1 day since last rain</u>		

Event Start Date: <u>12/1/2025</u>	Depth to Water on Event Start Date: <u>N/A</u>
Top of Casing (ft/MSL): <u>N/A</u>	W.L. Elevations (ft/MSL): <u>N/A</u>
Depth to Water Prior to Purge (ft): <u>N/A</u>	Volume in Casing (gal): <u>N/A</u>
Depth of Well (ft): <u>N/A</u>	Volume Purged (gal): <u>N/A</u>
Purge Time until Stable (mins): <u>N/A</u>	Depth to Water after Purge (ft): <u>N/A</u>
Drawdown Prior to Sample (ft): <u>N/A</u>	Depth to Water at Sample (ft): <u>N/A</u>

Sample Date: 12/1/2025 Purge Start: N/A Purge End: N/A Sample Time: 15:40

Time	Volume (gal)	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	ORP (mV)	D.O (mg/L)	Turbidity (NTU)	Purge Rate (gpm)
15:40	N/A	6.65	1315	13.3	193.2	2.16	87.82	N/A

Odor at sample: None Field QC Sample: N/A Field QC Sample Time: N/A
 Well Integrity: N/A
 Purge Description: Seep is poorly developed, turbid with organic debris
 Semi-Annual Parameters: Appendix I & additional parameters

Meter Calibration: pH, Temp, Conductivity*:	Model: <u>YSI ProDSS</u>
Water Level Meter:	Model: <u>N/A</u>
*Field Meter Calibration Date: <u>12/1/2025</u>	*Field Meter Calibration Time: <u>8:00</u>

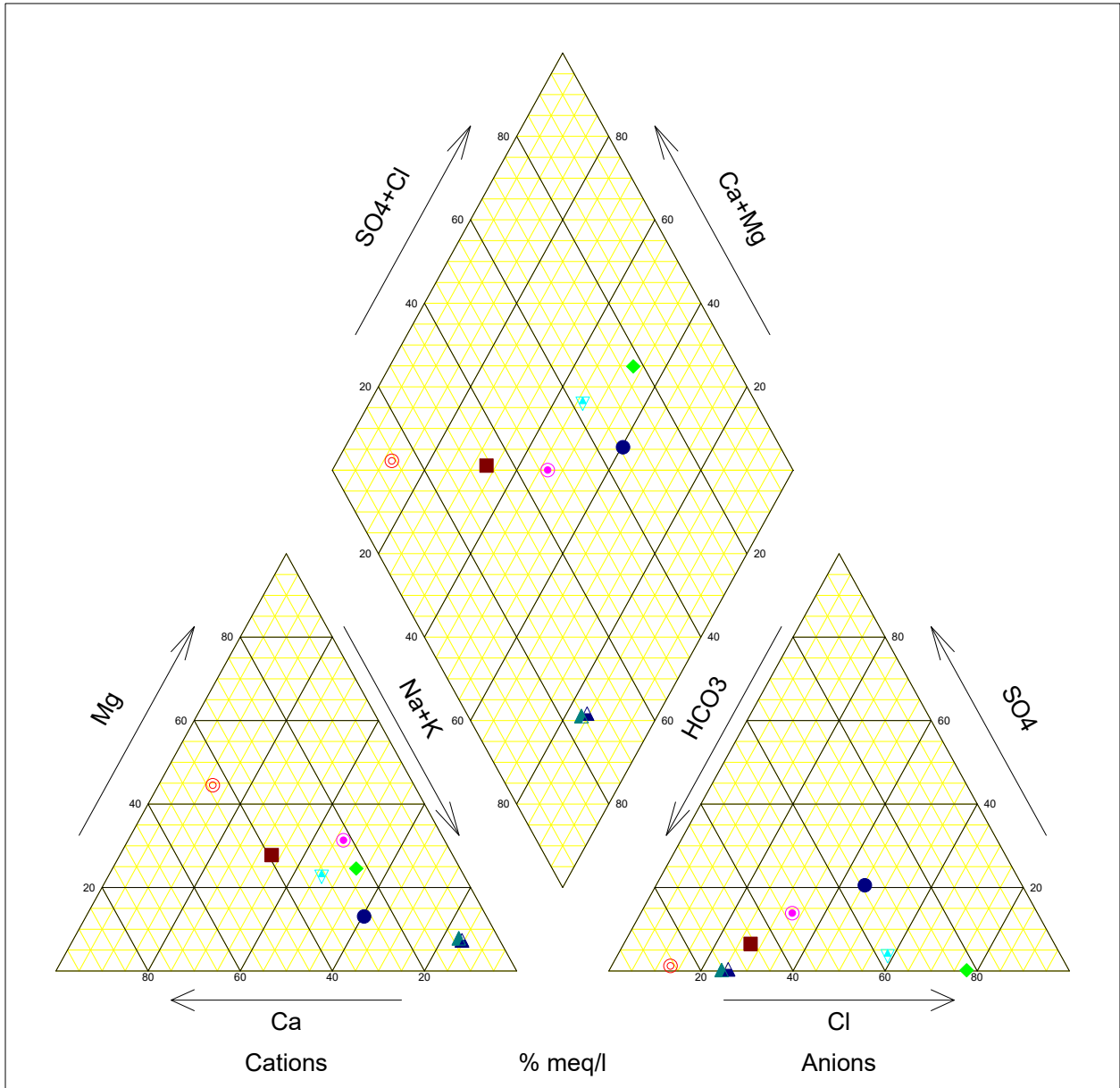
I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Blake King Date: 12/2/2025

APPENDIX C.

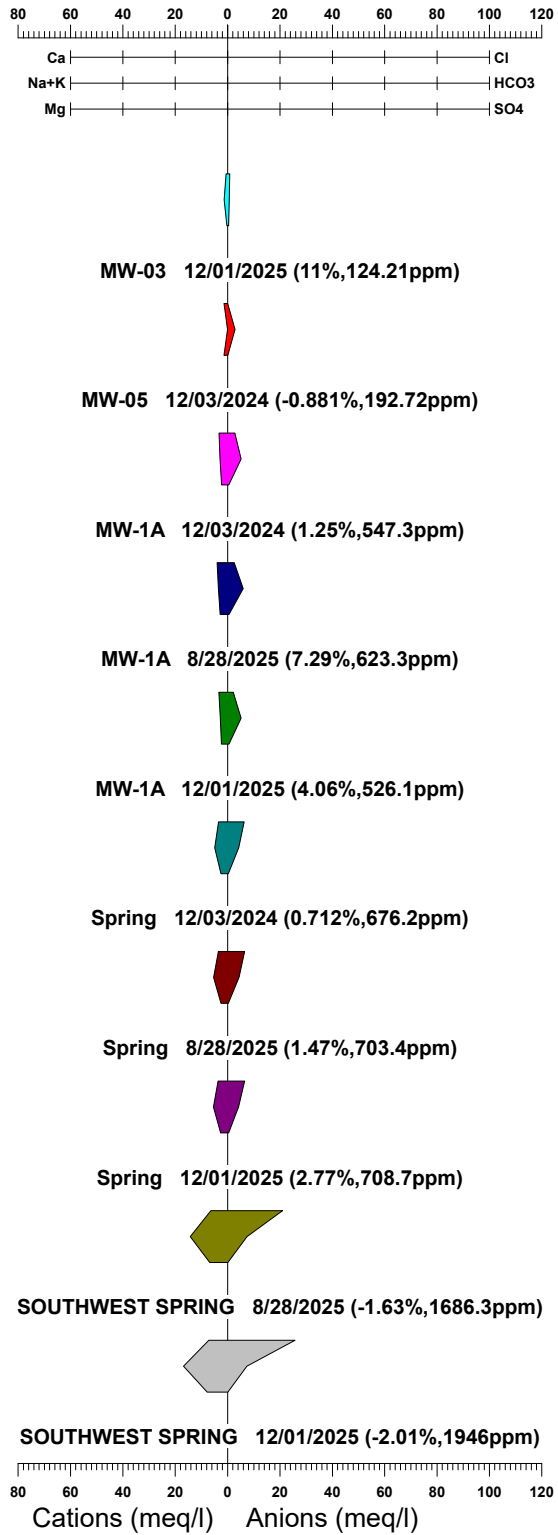
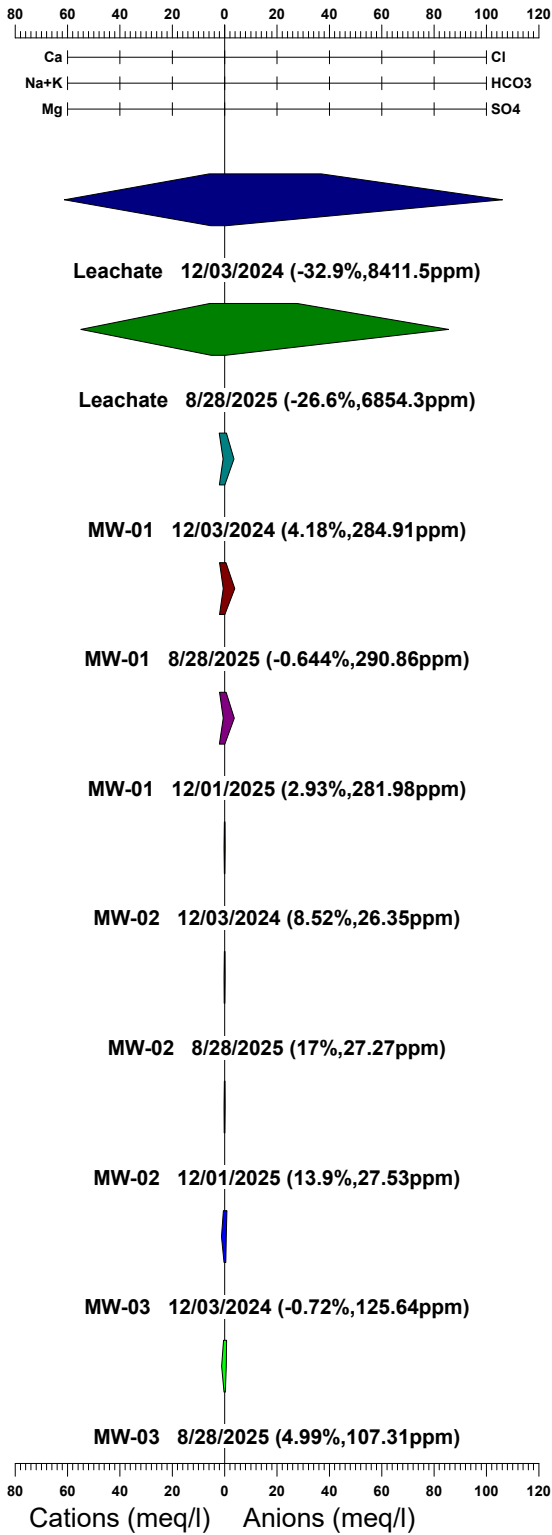
PIPER AND STIFF DIAGRAMS

MATLOCK BEND LF - DECEMBER 2025 AND LEACHATE - PIPER TRILINEAR DIAGRAM



○ MW-01	12/01/2025 (2.93%,281.98ppm)
■ MW-1A	12/01/2025 (4.06%,526.1ppm)
● MW-02	12/01/2025 (13.9%,27.53ppm)
● MW-03	12/01/2025 (11%,124.21ppm)
▽ Spring	12/01/2025 (2.77%,708.7ppm)
◆ SOUTHWEST SPRING	12/01/2025 (-2.01%,1946ppm)
▲ Leachate	12/03/2024 (-32.9%,8411.5ppm)
▲ Leachate	8/28/2025 (-26.6%,6854.3ppm)

MATLOCK BEND LF - All Data - STIFF DIAGRAMS





STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Solid Waste Management
Knoxville Environmental Field Office
3711 Middlebrook Pike, Suite 101
Knoxville, Tennessee 37921-6538

February 23, 2026

Mr. Adam Waller
Chair, Loudon County Solid Waste Disposal Commission
100 River Road #106
Loudon, TN 37774

**RE: Matlock Bend/Loudon County Active Class I, SNL530000203, Loudon County
2nd Semiannual 2025 Groundwater Monitoring Report – Report Review**

Dear Mr. Waller,

The Division of Solid Waste Management (the Division) has reviewed the 2nd Semiannual 2025 groundwater monitoring report dated January 2026, for Matlock Bend/Loudon County Active Class I, SNL530000203. The Ground Water Monitoring Report Review Checklist, which documents the Division's review and summation of the subject report, is enclosed.

Summary of analytical findings:


- No VOCs were detected in this sampling event.
- Arsenic exceeded GWPS of (0.01 mg/L) in the Southwest Spring (0.0332 mg/L).
- Cobalt exceeded RSL of (0.006 mg/L) in MW-03 (0.0214 mg/L), the Southwest Spring (0.0125 mg/L), and the Spring (0.0225 mg/L).
- Statistically significant increases were noted for Nickel in MW-2 and cobalt in MW-03.

The Division appreciates the addition of sampling the Southwest Spring (Purdy Spring), please continue to sample The Southwest Spring during every sampling event.

The facility will remain in assessment monitoring at this time. If you have any questions, please do not hesitate to contact me by phone: (865) 304-0603, or by email: molly.stanford@tn.gov.


Molly Stanford (Feb 23, 2026 13:53:20 EST)

Molly Stanford
Environmental Scientist


Revendra Awasthi (Feb 23, 2026 14:12:58 EST)

Revendra Awasthi, CHMM
Environmental Field Office Manager

Enc. Groundwater Monitoring Checklist

cc. Lindsey Turtle, General Manager, Republic Services, Electronic
Stoddard Pickrell, Environmental Manager, Republic Services, Electronic
Rob Ashe, Deputy Director of Field Operations, DSWM, via email
Records.SWM@tn.gov

GROUNDWATER SAMPLING EVENT REPORT REVIEW FACILITY _____

SAMPLING EVENT DATE(S) _____

<p>Úcœã çBœÁ çæ† œã } Á Áœ æ† çBœÁœœÁ <i>Rule 0400-11-01-.04(7)(a)4.(v)</i></p>			<p>Method used:</p>
<p>Úcœã çBœ† Á ã } ãBœœ œœ & ^ œ ^ Á ç ^ Á Á <i>Rule 0400-11-01-.04(7)(a)5.(iii)</i></p>			<p>FI Öœ Á [çBœœ } Á [] ^ K Öœ•••{ ^ } œ [* ! œ Á • d Á Æ Á œ • K Uc@!Á [^ ! & Á ^ { [] • d œ ^ á K</p>
<p>Inorganics exceed the MCLs or GW protection std <i>Rule 0400-11-01-.04(7)(a)1. And .04(7)(b, or c) as appropriate</i></p> <p style="text-align: right;">Expandable Notes</p>			<p>Parameter(s)/MCL or standard (Well/Concentration):</p>
<p>VOC's present in the ground water analysis <i>Rule 0400-11-01-.04(7)(a)4(viii)</i></p> <p style="text-align: right;">Expandable Notes</p>			<p>Parameter(s) (Well/Concentration):</p>
<p>VOC's (if present) exceed MCLs or GW protection std <i>Rule 0400-11-01-.04(7)(a)1. And .04(7)(b, or c) as appropriate</i></p>			<p>Parameter(s)/MCL or standard(Well/Concentration):</p>
<p>Facility has a statistically significant exceedance of 1 or more parameter? <i>Rule 0400-11-01-.04(7)(a)4(viii) and (ix) Rule 0400-11-01-.04(7)(a)5(iii)</i></p>			<p>Parameter(s) (Well/Concentration):</p>

Reviewed by: _____ Signature: Molly Stanford Digitally signed by Molly Stanford
Date: 2026.02.23 13:55:18 -05'00' Date: _____

Peer Reviewed by: _____ Signature: _____ Date: _____

GENERAL COMMENTS



Monthly Operations Report
Matlock Bend Landfill
March 19, 2026

Presented by:
Republic Services, Inc.

- I. OPERATIONS
 - A. Tonnage Report
 - B. Customer Activity Report
 - C. Materials Classification Report
 - D. Waste Characterization Report
 - E. Tire Report
 - F. Landfill Comments

- II. Engineering Report
- III. Airspace Utilization Report
- IV. TDEC Inspection – March 2026
- V. Host and Security Fees Letter
- VI. Loudon Financial Information

**Loudoun Landfill Monthly Tonnages
Month Ending February 2026**

Matlock Bend Landfill		2025		2026	2025
Month	2025	2026	2025	2026	to 2026
Jan	14,498	15,165	668		
Feb	14,212	15,447	1,235		
Mar	17,577	0	0		
Apr	17,012	0	0		
May	15,581	0	0		
Jun	15,462	0	0		
Jul	16,720	0	0		
Aug	16,475	0	0		
Sep	16,364	0	0		
Oct	18,213	0	0		
Nov	16,212	0	0		
Dec	17,569	0	0		
Total	195,895	30,612	1,902		
% of Total Tonnage	100%				

Daily Avg. for any Running 30 Day Period **515**

Loudoun County		2025		2026	2025
Month	2025	2026	2025	2026	to 2026
Jan	477	530	53		
Feb	478	453	(25)		
Mar	603	0	0		
Apr	562	0	0		
May	621	0	0		
Jun	611	0	0		
Jul	620	0	0		
Aug	592	0	0		
Sep	519	0	0		
Oct	592	0	0		
Nov	522	0	0		
Dec	581	0	0		
Total	6,777	983	28		
% of Total Tonnage	3%				

Daily Avg. for any Running 22.5 Day Period **687**

Lenoir City		2025		2026	2025
Month	2025	2026	2025	2026	to 2026
Jan	395	403	8		
Feb	408	383	(25)		
Mar	483	0	0		
Apr	517	0	0		
May	521	0	0		
Jun	478	0	0		
Jul	504	0	0		
Aug	450	0	0		
Sep	472	0	0		
Oct	465	0	0		
Nov	394	0	0		
Dec	487	0	0		
Total	5,572	786	(16)		
% of Total Tonnage	3%				

Loudoun, City of		2025		2026	2025
Month	2025	2026	2025	2026	to 2026
Jan	502	451	(51)		
Feb	433	406	(28)		
Mar	523	0	0		
Apr	579	0	0		
May	592	0	0		
Jun	544	0	0		
Jul	555	0	0		
Aug	522	0	0		
Sep	532	0	0		
Oct	519	0	0		
Nov	429	0	0		
Dec	538	0	0		
Total	6,269	856	(79)		
% of Total Tonnage	3%				

Republic Services, Inc.		2025		2026	2025
Month	2025	2026	2025	2026	to 2026
Jan	2,501	2,649	148		
Feb	2,499	2,293	(206)		
Mar	2,584	0	0		
Apr	2,695	0	0		
May	2,867	0	0		
Jun	2,848	0	0		
Jul	3,045	0	0		
Aug	3,011	0	0		
Sep	2,935	0	0		
Oct	3,027	0	0		
Nov	2,441	0	0		
Dec	2,829	0	0		
Total	33,282	4,942	(57)		
% of Total Tonnage	16%				

Waste Management		2025		2026	2025
Month	2025	2026	2025	2026	to 2026
Jan	1,401	1,312	(89)		
Feb	1,546	1,469	(77)		
Mar	1,604	0	0		
Apr	1,690	0	0		
May	1,580	0	0		
Jun	1,589	0	0		
Jul	1,575	0	0		
Aug	1,532	0	0		
Sep	1,458	0	0		
Oct	1,823	0	0		
Nov	1,391	0	0		
Dec	1,319	0	0		
Total	18,508	2,781	(165)		
% of Total Tonnage	9%				

Five Star Waste		2025		2026	2025
Month	2025	2026	2025	2026	to 2026
Jan	932	1,684	752		
Feb	1,155	1,673	518		
Mar	1,463	0	0		
Apr	1,566	0	0		
May	1,633	0	0		
Jun	1,680	0	0		
Jul	1,377	0	0		
Aug	1,847	0	0		
Sep	1,410	0	0		
Oct	1,133	0	0		
Nov	1,904	0	0		
Dec	1,589	0	0		
Total	17,689	3,358	1,270		
% of Total Tonnage	11%				

Ward Waste		2025		2026	2025
Month	2025	2026	2025	2026	to 2026
Jan	526	650	124		
Feb	506	564	58		
Mar	583	0	0		
Apr	641	0	0		
May	640	0	0		
Jun	632	0	0		
Jul	888	0	0		
Aug	787	0	0		
Sep	809	0	0		
Oct	779	0	0		
Nov	777	0	0		
Dec	801	0	0		
Total	8,371	1,214	181		
% of Total Tonnage	4%				

KCC ADC Material		2025		2026	2025
Month	2025	2026	2025	2026	to 2026
Jan	3,503	2,941	(562)		
Feb	3,012	2,637	(375)		
Mar	4,440	0	0		
Apr	3,643	0	0		
May	2,266	0	0		
Jun	2,471	0	0		
Jul	3,134	0	0		
Aug	3,130	0	0		
Sep	3,301	0	0		
Oct	4,366	0	0		
Nov	4,936	0	0		
Dec	4,523	0	0		
Total	42,725	5,578	(937)		
% of Total Tonnage	18%				

All Other Tons		2025		2026	2025
Month	2025	2026	2025	2026	to 2026
Jan	4,260	4,545	285		
Feb	4,176	5,569	1,393		
Mar	5,294	0	0		
Apr	5,118	0	0		
May	4,862	0	0		
Jun	4,609	0	0		
Jul	5,022	0	0		
Aug	4,603	0	0		
Sep	4,928	0	0		
Oct	5,508	0	0		
Nov	3,419	0	0		
Dec	4,901	0	0		
Total	56,700	10,114	1,678		
% of Total Tonnage	33%				

Materials Classification Report
Matlock Bend Landfill
Monthly Tonnage Summary February 2026

Material	Tonnage	2023 Sludge %		2024 Sludge %	
MSW		January	6%	January	4%
		February	9%	February	7%
MSW	<u>9,407</u>	March	7%	March	8%
Special Waste		April	7%	April	7%
		May	4%	May	5%
Other	5,188	June	6%	June	6%
		July	4%	July	4%
Ash	0	August	6%	August	6%
		September	6%	September	5%
Sludge	<u>852</u>	October	5%	October	5%
		November	8%	November	6%
Total Special Waste	<u>6,040</u>	December	7%	December	6%
		2025 Sludge %		2026 Sludge %	
Total MSW & SW	15,447	January	5%	January	7%
		February	7%	February	6%
Tires	0	March	7%	March	
		April	5%	April	
Total Material	<u>15,447</u>	May	6%	May	
		June	5%	June	
% MSW	<u>61%</u>	July	3%	July	
		August	4%	August	
% Special Waste	<u>39%</u>	September	4%	September	
		October	5%	October	
% Sludge *	<u>6%</u>	November	4%	November	
		December	5%	December	

* Sludge % is stand alone,
 % Special Waste includes "Sludge"

2026 Loudon MSW and Special Waste Analysis

Material	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
MSW	9,557	9,407											18,964
Special Waste	5,609	6,040											11,649
Tires	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	15,166	15,447	0	0	0	0	0	0	0	0	0	0	30,613
%													
MSW	63%	61%										0%	62%
Special Waste	37%	39%										0%	38%
Total	100%	100%										0%	100%

**2025-2026 Matlock Bend Landfill Tire
Report**

Month	Tons (OB)	Each (IB)
Jul-25	42.47	1,099
Aug-25	55.79	1,208
Sep-25	21.05	842
Oct-25	27.90	956
Nov-25	0.00	874
Dec-25	24.29	747
Jan-26	0.00	505
Feb-26	44.30	476
Mar-26	0.00	0
Apr-26	0.00	0
May-26	0.00	0
Jun-26	0.00	0
Total	215.80	6,707



Matlock Bend Landfill
21712 TN-72, Loudon, TN 37774
o 865.458.2651 republicservices.com

March 19, 2026

Loudon County (Matlock Bend) Landfill Engineering March Update

- 1) Module 1 and Module 2
 - a. Active filling.
 - b. C&D and special waste still placed on top deck until end of March.
 - i. 100% of waste will be directed to new cell by April
- 2) CA-1 Capping Event
 - a. Project began 10/20/2025
 - i. Waste relocation accelerating as weather conditions improve.
 1. Extended delays Mid-Feb to Mid-March.
 - b. Toe Drain – install schedule coinciding with waste relocation and grading.
 - i. All materials onsite
 - ii. Toe Drain installation has begun.
 - c. East Perimeter Ditch
 - i. Plugged to not discharge.
 1. Will continue to be plugged until pond, toe drain, and perimeter ditch are completed.
 - d. Project expecting to be completed July 2026.
- 3) Pond #2
 - a. Pond effectively dry and no-discharge
 - b. Sump pump to Loudon County utility failed.
 - i. Replaced first week of March
- 4) Borrow Area
 - a. Assessment completed.
 - i. Initial first year access conservative estimate of 700,000 CYs of soil available
 1. Up to an additional 500,000 CYs appear available in subsequent years after initial development.
 - b. Zoning from A-1 to CFD allows for larger buffer requirements
 - i. Additional restrictions are anticipated to further support the prevention of trackout.
 - c. Tree and lumber from development will be available
 - i. Preferences on handling/usage?
- 5) Haul Road Paving
 - a. Initial 1000' of project completed.
 - i. Paving, catch-basins & speedbumps.



Matlock Bend Landfill
21712 TN-72, Loudon, TN 37774
o 865.458.2651 republicservices.com

- 6) Groundwater/Spring Monitoring
 - a. Q1 2026 Spring sample collected.
 - i. Concentrations lower than December semi-annual event.
 1. Appears related to seasonal fluctuations.
- 7) Stream and Wetland Jurisdictional Features
 - a. Fully delineated landfill and borrow property
 - i. Would like to submit – providing to LCSWC Week of 3/9.
- 8) New Leachate Tank
 - a. 250K gallon tank
 - b. Locating near maintenance shop.
 - i. Additional grading and road construction will be performed for perimeter accessibility.
 - ii. Ensures tanker accessibility.
 - iii. Will include paving improvements around the maintenance shop.
 - c. Downpayment made in 2025.
 - d. Expected install date July/August 2026.
- 9) Miscellaneous
 - a. Brush pile grinding slated for June
 - b. Seeding event for interior slope (SW corner to NW corner) first week of April.



STATE OF TENNESSEE
 DEPARTMENT OF ENVIRONMENT AND
 CONSERVATION
 DIVISION OF SOLID WASTE MANAGEMENT
 DAVY CROCKETT TOWER, 7TH FLOOR
 500 JAMES ROBERTSON PARKWAY
 NASHVILLE, TN 37243

Initial Inspection

CHECK IF UNDER
 ENFORCEMENT
 ACTION

DATE 3/5/2026	TIME 13:40	WEATHER 76 f PT CLOUDY
------------------	---------------	---------------------------

CLASS I FACILITY INSPECTION CHECKLIST

Loudon County Landfill SNL530000203 21712 Highway 72 North Loudon EFO
KNOX

*SEE DISCLAIMER ON LAST PAGE

VIOLATION	REGULATION	OBSERVATION			
		NVO	AOC	V1	V2

RECORDS AND REPORTS

CERTIFIED PERSONNEL NOT PRESENT DURING OPERATING HOURS	0400-11-01-.04(2)(b)5.	<input checked="" type="checkbox"/> NA	<input type="checkbox"/>	<input type="checkbox"/>
---	------------------------	--	--------------------------	--------------------------

COMMENTS

TRAINED PERSONNEL NOT PRESENT DURING OPERATING HOURS	0400-11-01-.04(2)(b)5. 0400-11-01-.04(2)(b)4.	<input checked="" type="checkbox"/> NA	<input type="checkbox"/>	<input type="checkbox"/>
---	--	--	--------------------------	--------------------------

COMMENTS

PERMITS, PLANS, OPERATING MANUAL NOT AVAILABLE	0400-11-01-.02(5)(a)(7).	<input checked="" type="checkbox"/> NA	<input type="checkbox"/>	<input type="checkbox"/>
---	--------------------------	--	--------------------------	--------------------------

COMMENTS

INADEQUATE RANDOM INSPECTION PROGRAM	0400-11-01-.04(2)(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	----------------------	-------------------------------------	--------------------------	--------------------------	--------------------------

COMMENTS

NO OPERATING SCALES AND/OR FAILURE TO MAINTAIN WASTE RECORDS	T.C.A. 68-211-862(a)(b)(1)(2)	<input checked="" type="checkbox"/> NA	<input type="checkbox"/>	<input type="checkbox"/>
---	-------------------------------	--	--------------------------	--------------------------

COMMENTS

OPERATION DOES NOT CORRESPOND WITH ENGINEERING PLANS	T.C.A. 68-211-104(3) T.C.A. 68-211-105(b)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	--	-------------------------------------	--------------------------	--------------------------	--------------------------

COMMENTS

OPERATION DOES NOT CORRESPOND WITH PERMIT CONDITIONS	T.C.A. 68-211-104(3) 0400-11-01-.02(5)(a)1.	<input checked="" type="checkbox"/> NA	<input type="checkbox"/>	<input type="checkbox"/>
---	--	--	--------------------------	--------------------------

COMMENTS

*SEE DISCLAIMER ON LAST PAGE

VIOLATION		REGULATION	OBSERVATION			
			NVO	AOC	V1	V2
GENERAL FACILITY STANDARDS						
ACCESS NOT LIMITED TO OPERATING HOURS		0400-11-01-.04(2)(a)4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
INADEQUATE INFORMATION SIGNS		0400-11-01-.04(2)(b)2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
INADEQUATE ARTIFICIAL OR NATURAL BARRIER		0400-11-01-.04(2)(b)1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
INADEQUATE EMPLOYEE FACILITIES		0400-11-01-.04(2)(e)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
UNSATISFACTORY ACCESS ROAD(S)/ PARKING AREA(S)		0400-11-01-.04(2)(b)3.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
NO COMMUNICATION DEVICES		0400-11-01-.04(2)(f)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
INADEQUATE FIRE PROTECTION		0400-11-01-.04(2)(c)2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
NO PERMANENT BENCHMARK		0400-11-01-.04(2)(o)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
BUFFER ZONE STANDARD VIOLATED		0400-11-01-.04(3)(a)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						

*SEE DISCLAIMER ON LAST PAGE

VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2			
OVERALL PERFORMANCE STANDARDS						
UNSATISFACTORY LITTER CONTROL		0400-11-01-.04(2)(d)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
INADEQUATE DUST CONTROL		0400-11-01-.04(2)(j)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
INADEQUATE VECTOR CONTROL		0400-11-01-.04(2)(a)1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
POTENTIAL FOR EXPLOSIONS OR UNCONTROLLED FIRES		0400-11-01-.04(2)(a)2. 0400-11-01-.04(5)(a)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
UNAPPROVED SALVAGING OF WASTE		0400-11-01-.04(2)(b)6.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
LEACHATE MANAGEMENT						
LEACHATE OBSERVED AT THE SITE		0400-11-01-.04(2)(a)(3).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
*LEACHATE ON EXTERNAL SLOPE *LEACHATE ENTERING RUN-OFF *LEACHATE ENTERING A WATER COURSE			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input checked="" type="checkbox"/>	NA	NA	<input type="checkbox"/>
COMMENTS						
INADEQUATE MAINTENANCE OF LEACHATE MANAGEMENT SYSTEM (Inspector check and record (i) Sump Levels (ii) Interception surfaces and piping (iii) Tanks. "Sumps: <12" NVO, 12"<36" V1, >36" V2")		0400-11-01-.04(2)(a)(3). 0400-11-01-.04(4)(a)7.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS	PUMPS & TRANSDUCERS WORKING FINE. SUMP IS BEING JETTED DURING INSPECITON AND SLOPE AND FLOOR OF SECOND NEW CELL IS BEING DRESSED UP. SUMP READINGS = 13, 20 & 20 INCHES- GOOD.					
Leachate Improperly Managed		0400-11-01-.04(4)(a)8.(i-iii)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						

*SEE DISCLAIMER ON LAST PAGE

VIOLATION		REGULATION	OBSERVATION			
			NVO	AOC	V1	V2
LEACHATE MANAGEMENT						
INADEQUATE LEACHATE COLLECTION SYSTEM		0400-11-01-.04(4)(a)7.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
EROSION CONTROL						
INADEQUATE EROSION CONTROL		0400-11-01-.04(2)(i)6. & 0400-11-01-.04(8)(c)4(ii)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
INADEQUATE MAINTENANCE OF RUN-ON/RUN-OFF SYSTEM(S)		0400-11-01-.04(2)(i)1-5 0400-11-01-.04(8)(c)4(i)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
EXPOSED SOLID WASTE		0400-11-01-.04(2)(a)(3).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
GAS AND GROUNDWATER MIGRATION						
INADEQUATE GAS MIGRATION CONTROL SYSTEM		0400-11-01-.04(5)(a)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
INADEQUATE MAINTENANCE OF GAS MIGRATION CONTROL SYSTEM		0400-11-01-.04(5)(a)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
GROUNDWATER MONITORING SYSTEM IMPROPERLY MAINTAINED		0400-11-01-.02(5)(a)4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
COVER REQUIREMENTS						
UNAVAILABILITY OF COVER MATERIAL		0400-11-01-.04(2)(h)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
UNSATISFACTORY INITIAL COVER		0400-11-01-.04(6)(a)3. 0400-11-01-.04(6)(a)5.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						

*SEE DISCLAIMER ON LAST PAGE

VIOLATION		REGULATION	OBSERVATION			
			NVO	AOC	V1	V2
COVER REQUIREMENTS						
UNSATISFACTORY INTERMEDIATE COVER		0400-11-01-.04(6)(a)4. 0400-11-01-.04(6)(a)5.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
UNSATISFACTORY FINAL COVER		0400-11-01-.04(6)(a)6. 0400-11-01-.04(8)(c)3(i)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
UNSATISFACTORY STABILIZATION OF COVER		0400-11-01-.04(6)(a)5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
OPERATIONS AND WASTE HANDLING						
INADEQUATE OPERATING EQUIPMENT		0400-11-01-.04(2)(g)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
UNAVAILABILITY OF BACKUP EQUIPMENT		0400-11-01-.04(2)(g)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
WASTE NOT CONFINED TO A MANAGEABLE AREA		0400-11-01-.04(6)(a)1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
IMPROPER SPREADING OF WASTE		0400-11-01-.04(6)(a)2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
IMPROPER COMPACTING OF WASTE		0400-11-01-.04(6)(a)2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						

*SEE DISCLAIMER ON LAST PAGE

VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2	
OPERATIONS AND WASTE HANDLING				
MISHANDLING OF SPECIAL WASTE		0400-11-01-.01(4)(d)1.	<input checked="" type="checkbox"/>	NA <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
EVIDENCE OF OPEN BURNING		0400-11-01-.04(2)(c)1.	<input checked="" type="checkbox"/>	NA <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
DUMPING OF WASTE INTO WATER		0400-11-01-.04 (2)(a)3.	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
WASTE RESTRICTIONS				
UNAUTHORIZED WASTE ACCEPTED		0400-11-01-.04(2)(k)1.	<input checked="" type="checkbox"/>	NA <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
UNAPPROVED SPECIAL WASTE ACCEPTED		0400-11-01-.01(4)(b) 0400-11-01-.01(4)(c)5	<input checked="" type="checkbox"/>	NA <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
DEAD ANIMALS IMPROPERLY HANDLED		0400-11-01-.04(2)(k)5.(ii) (I-III)	<input checked="" type="checkbox"/>	NA <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
TIRES IMPROPERLY HANDLED		0400-11-01-.04(2)(k)3.	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
MEDICAL WASTE IMPROPERLY HANDLED		0400-11-01-.04(2)(k)4.	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				

LEACHATE LEVELS

**Disclaimer:*

The information contained in the checklists is not intended to be all inclusive and is subject to change, and are intended solely for use by Division of Solid Waste Management. These checklists are not a substitute for evaluation of compliance in accordance with applicable laws and regulations, and are not intended for, nor can they be relied upon, to create any rights, substantive or procedural, enforceable or usable by any party in litigation with the State of Tennessee or its employees.

SAVE FORM

Follow-Up Inspection Date

Inspector Name

Paula Plont

Digitally signed by Paula Plont
Date: 2026.03.06 16:58:18 -05'00'

ADDITIONAL COMMENTS



ROAD VIEW AT GATE TODAY

OTHER OBSERVATIONS TODAY-

PIPES WELDED BY CONTRACTOR TO BE PLACED AT REMEDIAL/CLOSURE PROJECT
FLAT DITCH NEW PUMPS AND TOP LINER ALL TO BE PLACED.

BULKY STUFF STILL GOING UP TOP WORKING FACES HAS MOVED TO THE EAST
AND THE SLOPE TO THE WEST HAS BEEN DRESSED UP GOOD. THE NEW CELL IS
ALITTLE TALLER BUT NOT FLOORED OUT YET. PUMPS AND TRANSDUCERS
WORKING IN NEW CELL FINE- RISERS WERE BOTH BEING JETTED AND SECOND
HALF OF CELL SLOPE WAS BEING SMOOTHED OUT AND ROCK LEVELED FROM
LAST WET CYCLE. SUMPS DEPTH=13, 20 & 20 INCHES GOOD.



March 1, 2026

Loudon County Solid Waste Disposal Commission
Attn: Chief Deputy Clerk
101 Mulberry Street Suite 203
Loudon, TN 37774

Dear Trustee:

Pursuant to Section 10.6 and 10.7 of the Sanitary Landfill Operation Agreement between Loudon and Santek as of July 1, 2007, Second Amendment Section 10.6 dated July 12, 2022, Santek agreed to pay the Commission a host fee and security fee as defined in the agreement. The following recap reflects the calculation for the period of February 2026:

<u>Host Fees (Greater of below)</u>			
Total Tip Fees Billed	\$544,332.24	Total Tonnage Received	15,447.06
Host Fee Percentage	5.5%	Rate per Ton	<u>\$1.00</u>
	\$29,938.28		\$15,447.06
Minimum Fee	\$10,750.00		
	=====		

<u>Security Fees</u>	
Total Tip Fees Billed	\$544,332.24
Security Fee Percentage	<u>5%</u>
	\$27,216.61
	=====

<u>Minutes Payment</u>	
Loudon County Minutes	\$100.00
	=====

Total amount to be received	\$57,254.89
	=====

Our checks in payment of the above fees have been remitted to the above address for the Commission. Should you have any questions or need additional information, please let me know.

Sincerely,

David L. Hollinshead
Manager Municipal Sales
Republic Services



Loudon County Department of Accounts and Budgets
Solid Waste Disposal Fund 207
Monthly Cash Report
February 2026

January 2026 Combined Ending Cash Balance per Monthly Report		6,978,493.13
Adjustments:		
Less Trustee Commission for January	(439.37)	
	0.00	
Total Adjustments		(439.37)
Adjusted January 2026 Combined Ending Balance per Loudon Co Trustee		6,978,053.76

Solid Waste Disposal Commission Operating Fund

Operating Fund Ending Balance January 2026		6,948,391.44
Cash Receipts:		
Trustee's Collections - Prior Year	0	
Surcharge - Host Fees	27,389.72	
Surcharge - Security Fees	24,808.84	
Investment Income	14,960.67	
Total Monthly Revenue		67,159.23
Cash Disbursements:		
Board & Committee Members Fees	(400.00)	
Social Security		
Employer Medicare		
Audit Services		
Consultants		
Legal Services		
Legal Notices		
Building & Content Insurance		
Trustee's Comm - Proration = % of balance		
Total Cash Disbursements		(400.00)
Expenditure Credit:		
Trustee Commission Adjustment		0.00
<u>Operating Fund Ending Balance February 2026</u>		7,015,150.67

Poplar Springs Subfund

Poplar Springs Subfund Balance January 2026		29,662.32
Cash Receipts:		
Investment Income - Proration based on % of balance	0.00	
Total Monthly Revenue		0.00
Cash Disbursements:		
Trustee's Comm - Proration = % of balance		
Total Cash Disbursements		0.00
<u>Poplar Springs Subfund Balance February 2026</u>		29,662.32

TOTAL COMBINED OPERATING AND POPLAR SPRINGS FEBRUARY 2026 BALANCE

7,044,812.99

Combined Summary - February 2026

Beginning Balance		6,978,053.76
Plus Operating and Poplar Springs Revenue		67,159.23
Less Operating and Poplar Springs Disbursements		(400.00)
TOTAL COMBINED BALANCE - FEBRUARY 2026		7,044,812.99

NOTE: Accounting Dept did not have Trustee's Feb report at the time of preparation.