

West Des Moines, IA

PROJECT: WC,CY25 Env Comp&On-
Call,Montgomery,IA
27225095.02

DATE: 2/24/2026

SUBJECT: Montgomery County Sanitary
Landfill - 69-SDP-01-74P - 2025
Annual Water Quality Report,
Leachate Control System
Performance Evaluation Report,
and Landfill Gas Annual Report

TRANSMITTAL ID: 00004

PURPOSE: For your approval

VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Sean Marczewski West Des Moines, IA	SCS Engineers	SMarczewski@scsengineers.com	+1-515-631-6152

TO

NAME	COMPANY	EMAIL	PHONE
Mike Smith 502 East 9th Street Des Moines IA 50319-0034 United States	Iowa, State of	mike.smith@dnr.iowa.gov	515-725-8200

REMARKS: Mike -

Please find for download the Montgomery County Sanitary Landfill 2025 Annual Water Quality Report, Leachate Control System Performance Evaluation Report, and Landfill Gas Annual Report . Please let us know if you have any questions or comments.

Sean A. Marczewski
Senior Project Professional
SCS Engineers
1690 All-State Court, Suite 100
West Des Moines, Iowa 50265
712-661-9682 (C)
515-631-6152 (O)
smarczewski@scsengineers.com

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Transmittal

DATE: 2/24/2026
TRANSMITTAL ID: 00004

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	2/24/2026	Montgomery County Sanitary Landfill - 69-SDP-01-74P - 2025 AWQR.LCSPER.MMR 02.24.2026.pdf	

COPIES:

Becky Jolly
Rachel Hanigan (Waste Connections, Inc. (99))
Kelly Danielson (Waste Connections, Inc. (99))
Tim Buelow (SCS Engineers)
Semir Omerovic (SCS Engineers)
Sean Marczewski (SCS Engineers)
Bret Stephens (Waste Connections, Inc. (99))
Chaz.Roberts@WasteConnections.com

February 24, 2025
File No. 27224021.00

Mr. Mike Smith, P.E.
Iowa Department of Natural Resources
Land Quality Bureau
6200 Park Avenue
Des Moines, Iowa 50321

Subject: 2025 Annual Water Quality Report, Leachate Control System Performance Evaluation Report, and Landfill Gas Annual Report
Montgomery County Sanitary Landfill
South MSWLF Unit & North MSWLF Unit (Closed)
Permit No. 69-SDP-01-74P

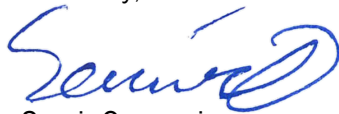
Dear Mike:

SCS Engineers, on behalf of Iowa Waste Services, LLC. (IWS), has completed the required groundwater monitoring and statistical analyses for the South municipal solid waste landfill (MSWLF) unit and the closed North MSWLF unit at the Montgomery County Sanitary Landfill (Landfill) for the year 2025. Please find enclosed a copy of the 2025 Annual Water Quality Report.

Additionally, the 2025 Leachate Control System Performance Evaluation Report, prepared by SCS, and the 2025 Landfill Gas Annual Report, prepared by IWS, for the Landfill are included as appendices to the Annual Water Quality Report.

If you have any questions regarding these reports, please contact Semir Omerovic at (515) 988-3237.

Sincerely,



Semir Omerovic
Associate Professional
SCS Engineers



Timothy C. Buelow, P.E.
VP, Senior Project Advisor
SCS Engineers

SO/TCB

Copy: Ms. Rachel Hanigan, Iowa Waste Services, LLC.
Mr. Chaz Roberts, Iowa Waste Services, LLC.
Mr. Bret Stephens, Iowa Waste Services, LLC.
Mr. Kelly Danielson, Iowa Waste Services, LLC.





2025 Annual Water Quality Report, Leachate Control System Performance Evaluation Report, and Landfill Gas Annual Report

Montgomery County Sanitary Landfill
Solid Waste Permit No. 69-SDP-01-74P

Prepared for:

Iowa Waste Services, LLC

SCS ENGINEERS

27225095.02 | February 24, 2026

1690 All-State Court, Suite 100
West Des Moines, IA 50265
515-631-6160

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CERTIFICATION

Prepared by:  Date: February 24, 2026

Typed: Semir Omerovic

Reviewed by:  Date: February 24, 2026

Typed: Timothy C. Buelow, P.E.

Certification page (PE or groundwater scientist signature) **113.10(1)"d"**

For the purposes of this rule, a "qualified groundwater scientist" means a scientist or an engineer who has received a baccalaureate or postgraduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and related fields demonstrated by state registration, professional certifications, or completion of accredited university programs that enable that individual to make sound professional judgments regarding groundwater monitoring, contaminant fate and transport, and corrective action.

EXECUTIVE SUMMARY

ES.1 PERIOD OF REPORT COVERAGE

The period of report coverage is from January through December 2025 and includes the May and November 2025 semi-annual sampling events.

ES.2 REPORT PRIORITY

The following summarizes report priorities associated with groundwater compliance of the South municipal solid waste landfill (MSWLF) unit and the North MSWLF unit at the Montgomery County Sanitary Landfill (Landfill):

- Department review urgency: None.
- Department review impact on rules schedule: None.
- Actions or activities on hold pending Department review or comment: None.
- Actions and/or permit revisions needed: None.

ES.3 SITE STATUS AND APPLICABLE RULES

- Landfill Status: North MSWLF unit – Closed. South MSWLF unit – Inactive.
- Types of waste accepted: None at this time. Previously MSW and C&D.
- Applicable IAC rules: North Unit: 2009 567-113.2(5).
South Unit: 2009 567-113.10.

ES.4 COMMENTS

The following summarizes points of special emphasis:

- A statistically significant increase (SSI) above background was indicated for barium in monitoring well MW-28 during the October 2024 semi-annual statistical evaluation for the South MSWLF unit. After further review of the data, the SSI was not confirmed for the following reasons:
 - Only barium and TSS were detected in the October 2024 sample. TSS was not detected in the June 2024 sample, and there was no barium SSI, indicating that the October 2024 SSI was likely related to TSS.
 - The barium concentrations in MW-28 are some of the lowest measured in the South MSWLF unit groundwater monitoring network, indicating that, despite intrawell statistics being utilized, it is likely that higher background barium concentrations are naturally present at the site.
 - The measured barium concentration in the October 2024 sample was only approximately 6 parts per billion above the prediction limit (0.254 mg/L measured vs. 0.2481 mg/L prediction limit).

Additionally, the barium concentration measured in the May 2025 groundwater sample did not exceed the prediction limit and also was also noted as being non-detect for TSS.

- SSIs above background were indicated for lead in monitoring well MW-19R, barium in monitoring well MW-28, and nickel in monitoring well MW-29 during the 2nd 2025 statistical evaluation for the South MSWLF unit. A retest to confirm or not confirm the indicated SSIs in monitoring wells MW-19R and MW-29 will occur prior to the 2026 spring sampling event. The indicated SSI for barium in monitoring well MW-28 is not confirmed for the same reasons provided above.
- Previously reported statistically significant levels (SSLs) for barium, nickel, and beta-BHC remain in corrective action monitoring well MW-7R in the North MSWLF unit monitoring network. The upper confidence limit for barium remained below the GWPS during both 2025 statistical evaluations.

ACRONYMS/ABBREVIATIONS

ACM = Assessment of Corrective Measures
CAMP = Corrective Action Groundwater Monitoring Program
C&D = Construction and Demolition
CCV = Continuing Calibration Verification
CL = Control Limit - Mean plus Two Standard Deviations
COC = Chain of Custody
DNR = Iowa Department of Natural Resources
DO = Dissolved Oxygen
DQR = Double Quantification Rule
GWPS = Groundwater Protection Standard
ISE = Insufficient Sampling Events
LEL = Lower Explosive Limit
LCL = Lower Confidence Limit
LCS = Laboratory Control Sample
LCSD = Laboratory Control Sample Duplicate
LN = Lognormal
MCL = EPA Maximum Contaminant Level
MSW = Municipal Solid Waste
N = Normal
NC = No Change
NM = Not Measured
NP = Non-Parametric
ORP = Oxidation-Reduction Potential
P = Parametric
PL = Prediction Limit
RL = Reporting Limit
RPD = Relative Percent Difference
SWS = DNR Statewide Standard for a protected groundwater source
SSI = Statistically Significant Increase above background
SSL = Statistically Significant Level above groundwater protection standard
SSS = Site-Specific Standard (Site-Specific GWPS)
TSS = Total Suspended Solids
UCL = Upper Confidence Limit
VOC = Volatile Organic Compound

1.0 SITE BACKGROUND

1.1 SITE LOCATION

The Landfill property is depicted in **Figure 1**, Approved Monitoring Network. The Landfill is located approximately three miles northwest of Red Oak, more specifically described as the N $\frac{1}{2}$ of the NW $\frac{1}{4}$, Section 7, Township 72 North, Range 37 West, in Montgomery County, Iowa.

1.2 FACILITY

The Landfill includes the following non-contiguous areas as shown in **Figure 1**: the unlined Northern Waste Footprint (North MSWLF unit) and the 2005 Lateral Expansion Plan Area (South MSWLF unit). The Landfill has been a permitted facility since 1974. The Landfill was actively receiving waste since that time but temporarily stopped receiving waste on December 10, 2007 until the new Subtitle D-compliant cell construction was completed. The Landfill again began accepting waste on December 31, 2008 in Phase 0, a Subtitle D-compliant lined cell, in the South MSWLF unit. In the interim between December 10, 2007 and December 31, 2008, the Landfill was temporarily permitted to transfer waste to the Loess Hills Regional Sanitary Landfill in general accordance with DNR transfer permit number 69-SDP-05-07XFR. In Fall 2011, operation of a permanent transfer station began. Closure of the North MSWLF unit was completed in Fall 2012. The South MSWLF unit is currently in a state of non-use as approved in DNR correspondence dated July 9, 2020 (Doc #98049).

The area surrounding the Landfill property is zoned agricultural as indicated by the Montgomery County Planning and Zoning Commission. The site itself has a special use permit allowing landfilling. There are no indications of prior uses other than agriculture.

1.3 GEOLOGY AND HYDROGEOLOGY OF THE SITE

Previous hydrogeologic investigations of the Landfill were conducted by Barker Lemar Engineering Consultants (December 2005 Hydrogeologic Investigation Report) and by J. M. Montgomery Consulting Engineers, Inc. (May 1991 Hydrogeologic Investigation Report (1991 HIR)). Information from these reports was reviewed to create the summary below.

Both of the previous hydrogeological investigation reports stated that four major soil deposits were encountered at the Landfill. They are Peorian Loess (brown/gray or gray silt with iron staining), underlain by Loveland Loess (reddish brown or brown to gray silt with iron staining), underlain by oxidized glacial till/transition zone (brown to gray/brown clay with trace sand and/or gravel), underlain by unoxidized glacial till (gray clay with trace sand and/or gravel). Alluvium (gray coarse sand to fine sand and gravel) was also observed along the west boundary of the South MSWLF unit. The assessments indicated that a Cretaceous Dakota sandstone aquifer located more than 50 feet below the water table exists under the majority of the Landfill property.

The Bedrock Topography Map of Southwest Iowa (Iowa Geological Survey, 1980) indicates that bedrock in the vicinity of the Landfill is present at an elevation of 1,100 to 1,150 feet above sea level. As reported in the 1991 HIR:

The uppermost bedrock unit at the landfill site is the Cretaceous Dakota Group. This Group consists of poorly cemented, iron-stained sandstones and shales. Localized lenses of chert and iron-cemented concretions are found within the Group. The depth to bedrock is approximately 60 feet below ground surface (bgs) in the lowlands and 120 feet bgs in the highlands.

The boring logs and hydrogeological profiles included in the 2005 Hydrogeological Investigation Report (Attachment A of the Revised HMSP dated November 25, 2008), indicate that a water table system exists within the Peorian Loess, Loveland Loess, and glacial till deposits beneath the Landfill. This system is considered the uppermost water-bearing unit and is subject to groundwater monitoring. The unoxidized gray glacial tills beneath the Landfill and above the bedrock likely function as an aquitard.

2.0 FIGURES DISCUSSION

The following figures are attached.

2.1 FIGURE 1 – APPROVED MONITORING NETWORK

The Landfill property, hydrologic monitoring system plan (HMSP) monitoring networks for the North and South MSWLF units, and impact delineation monitoring points are depicted in **Figure 1**. **Figure 1** indicates the respective monitoring programs of the HMSP monitoring points as of the beginning of this reporting period.

2.2 FIGURE 2 – GROUNDWATER CONTOURS – SHALLOW

A groundwater contour map based on the shallow groundwater levels measured during the May 2025 sampling event is included as **Figure 2**. Water levels at the site appear to be at the highest-level southeast of the North MSWLF unit and South MSWLF unit future footprint. The groundwater appears to flow generally to the northwest beneath the North MSWLF unit. Groundwater flow beneath the South MSWLF unit is primarily to the west. These flow directions are consistent with the prior year's observations.

2.3 FIGURE 3 – GROUNDWATER CONTOURS – DEEP

A groundwater contour map based on the groundwater levels measured in the monitoring wells screened deeper in the unconsolidated materials beneath the North MSWLF unit measured during the May 2025 sampling event is included as **Figure 3**. The deep groundwater flow beneath the North MSWLF unit is generally to the north. This flow direction is consistent with the prior year's observations.

3.0 STANDARDS HISTORY GRAPHS

Standards history graphs are included in **Appendix G**. Graphs are not included for constituents with no detections in the background. Standards history graphs for the following parameters are included:

- South MSWLF Unit
 - Arsenic
 - Barium
 - Beryllium
 - Cadmium
 - Chromium
 - Cobalt
 - Copper
 - Lead
 - Nickel
 - Selenium
 - Silver
 - Thallium
 - Vanadium
 - Zinc

- North MSWLF Unit
 - Arsenic
 - Barium
 - Cadmium
 - Chromium
 - Cobalt
 - Copper
 - Lead
 - Nickel
 - Selenium
 - Silver
 - Vanadium
 - Zinc

The prediction limits were below the GWPS for each of the graphed parameters. It should be noted that intrawell statistical methods are used for the South MSWLF unit prediction limit evaluations. The South MSWLF unit data shown in the standards history graphs was derived from background monitoring wells MW-23 and MW-24 – see Table 5 for current individual South MSWLF unit compliance monitoring well background concentrations and GWPSs.

4.0 QA/QC SUMMARY

The quality assurance/quality control (QA/QC) program for the Landfill follows similar protocols as included in the HMSP. Data validation procedures are performed on analytical results for laboratory quality control samples and a quality assurance assessment of the data was conducted as the data were generated. The QA review procedure provided documentation of the accuracy and precision of the analytical data and confirmed that the analyses were sufficiently sensitive to detect constituents at levels below regulatory standards when technically feasible with the laboratory method utilized. SCS then conducted QA/QC data validation of the produced data, which included review of sample handling, analytical sensitivity, and blanks, accuracy, and precision. A summary of the laboratory QA/QC and data validation can be found in **Appendices B-1**, Laboratory Data, and **B-2**, Data Validation, respectively. The QA/QC review indicated that the data was acceptable.

5.0 ANALYTICAL DATA EVALUATION

Detection and assessment/corrective action monitoring statistical evaluations in accordance with the requirements of IAC 567-113.10(5) and 113.10(6) were conducted for the groundwater analytical data collected during the 2025 reporting period. The statistical evaluation for samples collected during this reporting period are in **Appendix D**, Statistical Method and Output of this report.

Groundwater monitoring for the Landfill consists of eight monitoring points associated with the South MSWLF unit and fourteen monitoring points associated with the North MSWLF unit, with background wells for both MSWLF units located southeast of the respective MSWLF unit. Compliance monitoring points are located along the downgradient boundaries of each MSWLF unit.

5.1 DATA EVALUATION

Appendix II parameters were not analyzed during the November 2025 sampling event in monitoring well MW-17 due to insufficient water for sampling. Three VOCs, all measured at North MSWLF unit maximum concentrations, were measured in assessment monitoring well MW-16. One VOC, 1,1-Dichloroethane, was detected in corrective action monitoring well MW-7R. The nickel concentrations measured in monitoring well MW-7R exceeded the GWPS.

The barium concentrations measured at corrective action monitoring well MW-7R were above the background barium concentration of 0.2777 mg/L during the 2025 semi-annual sampling events but below the GWPS. The measured barium concentrations in bracketing monitoring wells MW-30 and MW-31 were above background during the 2025 sampling events. In bracketing monitoring well MW-32, the measured barium concentration was below background during the 2025 sampling event. Barium concentrations in monitoring well MW-7R have been below the GWPS for the last eight sampling events and the upper confidence limit for barium was below the GWPS during both 2025

statistical evaluations. It should also be noted that barium concentrations in the bracketing monitoring wells are less than 25% of the GWPS.

The nickel concentrations measured at corrective action monitoring well MW-7R and bracketing monitoring wells MW-30, MW-31, and MW-32 were above the background nickel concentration of 0.00297 mg/L during the 2025 sampling events

The beta-BHC concentrations measured in corrective action monitoring well MW-7R were non-detect in both sampling event samples. The beta-BHC concentrations measured at bracketing monitoring wells MW-30, MW-31, and MW-32 were non-detect in the eight most recent sampling events; therefore, beta-BHC appears to be bracketed at this time.

The groundwater monitoring wells surrounding the South MSWLF unit appear to be generally unimpacted by the Landfill. There were no VOCs detected during this reporting period. Since the implementation of low-flow sampling, a majority of the inorganic parameters have been non-detect.

Statistically significant increases (SSIs) above background were indicated for lead in monitoring well MW-19R, for barium in monitoring well MW-28, and for nickel in monitoring well MW-29 during the 2nd 2025 statistical evaluation at the South MSWLF unit. A retest prior to the 2026 spring sampling event will occur to confirm or not confirm the indicated SSIs in monitoring wells MW-19R and MW-29. The SSI in monitoring well MW-28 is not confirmed for the following reasons:

- Only barium and TSS were detected in the December 2025 sample. TSS was not detected in the May 2025 sample and there was no barium SSI indicating that the December 2025 SSI was likely related to TSS.
- The barium concentrations in MW-28 are some of the lowest measured in the South MSWLF unit groundwater monitoring network indicating, that despite intrawell statistics being utilized, it is likely that higher background barium concentrations are naturally present at the site.
- The measured barium concentration in the December 2025 sample was only approximately 7 parts per billion above the prediction limit (0.255 mg/L measured vs. 0.2481 mg/L prediction limit).

5.2 TRENDING IN ASSESSMENT/CORRECTIVE ACTION MONITORING WELLS

Statistically significant trends were evaluated by Mann-Kendall analysis during this reporting period for monitoring well/constituent pairs in assessment and corrective action monitoring wells. The trend evaluations are included in the Statistical Method and Output included in **Appendix D**.

South MSWLF Unit

All monitoring wells in the South MSWLF unit are in the detection monitoring program; therefore, trend evaluation was not required.

North MSWLF Unit

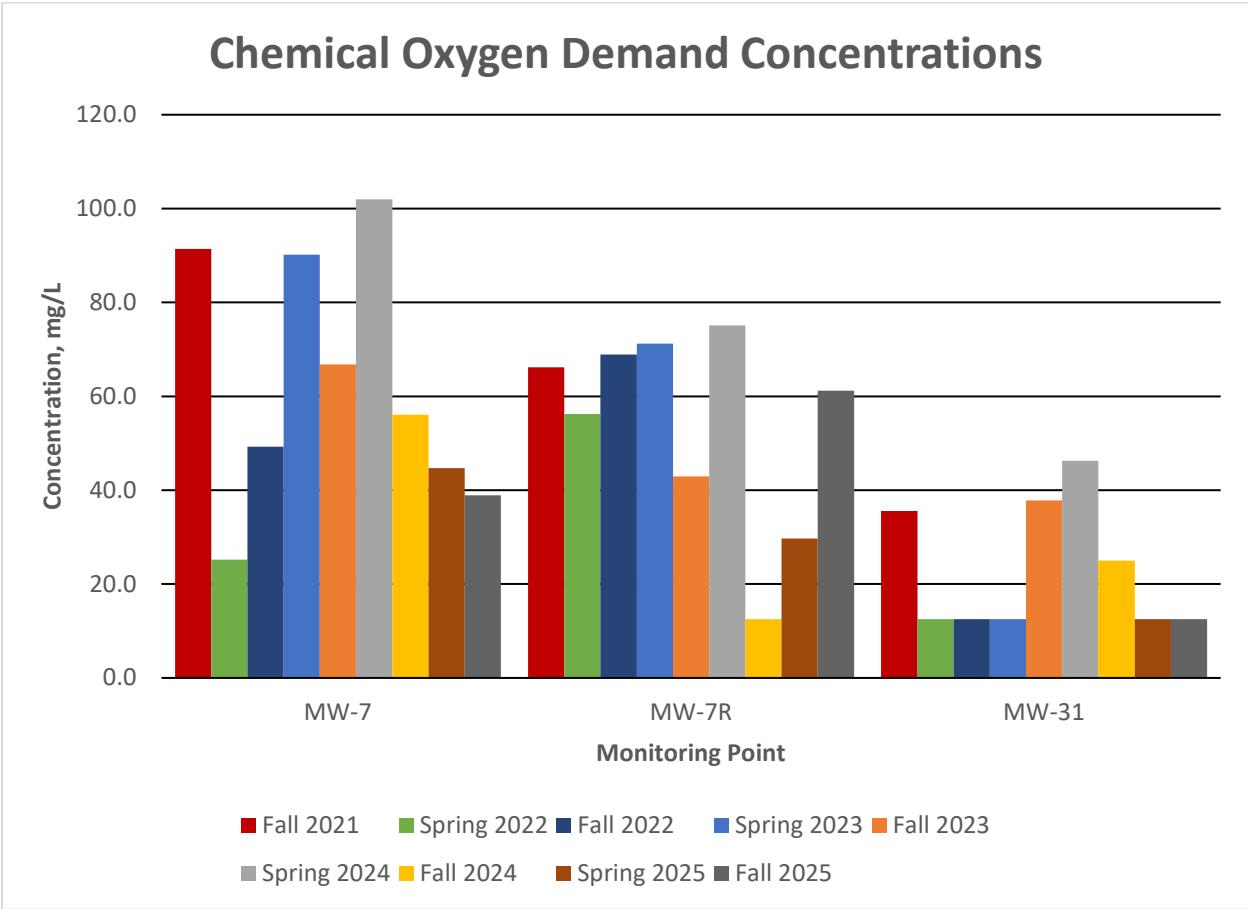
Statistically significant trends for the North MSWLF unit indicated during this reporting period are summarized in the table below.

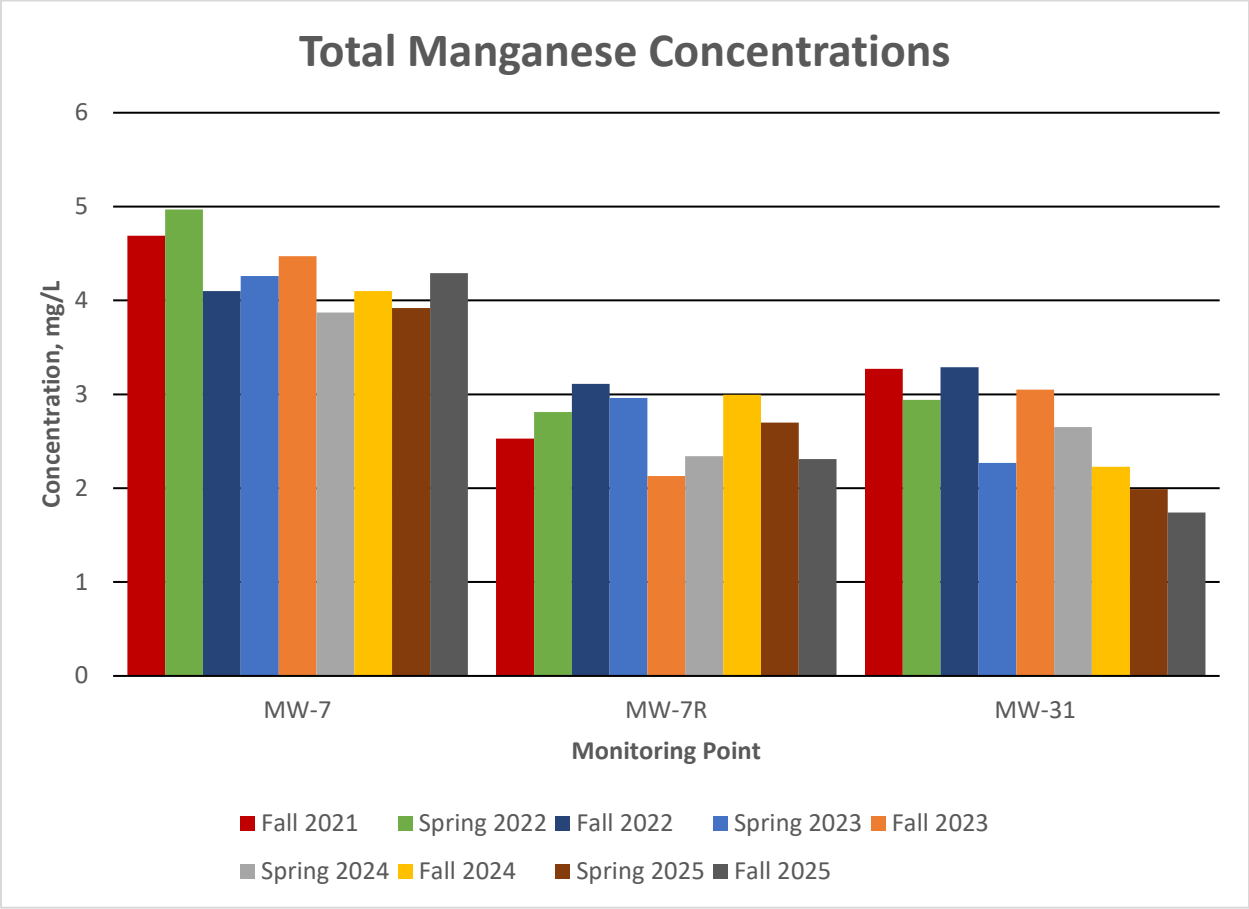
Monitoring Point	Constituent	Trend
1st 2025 Semi-Annual		
MW-5	Barium	Decreasing
2nd 2025 Semi-Annual		
MW-5	Barium	Decreasing
MW-5	Nickel	Decreasing
MW-15	Barium	Increasing

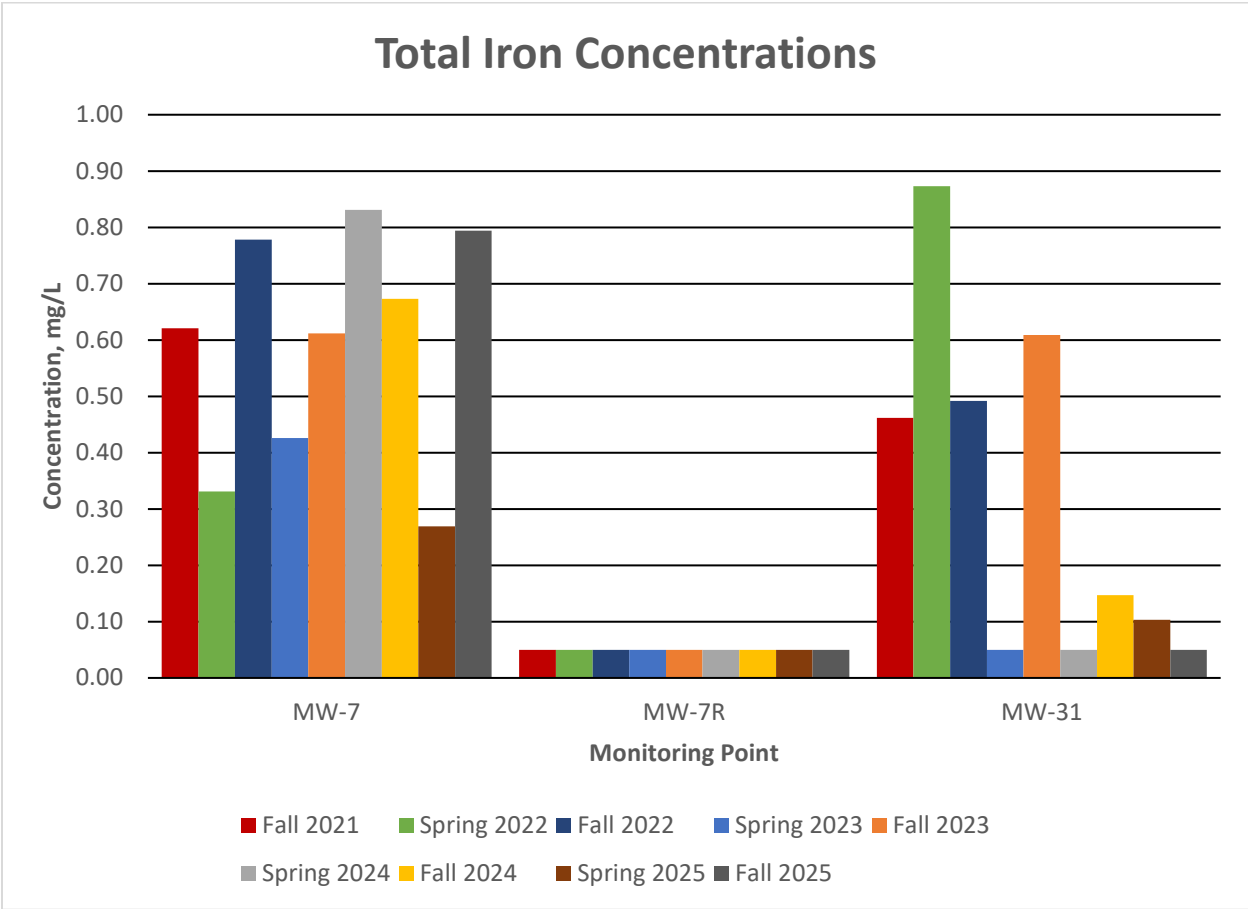
5.3 CORRECTIVE ACTION GROUNDWATER MONITORING PROGRAM REMEDY DISCUSSION

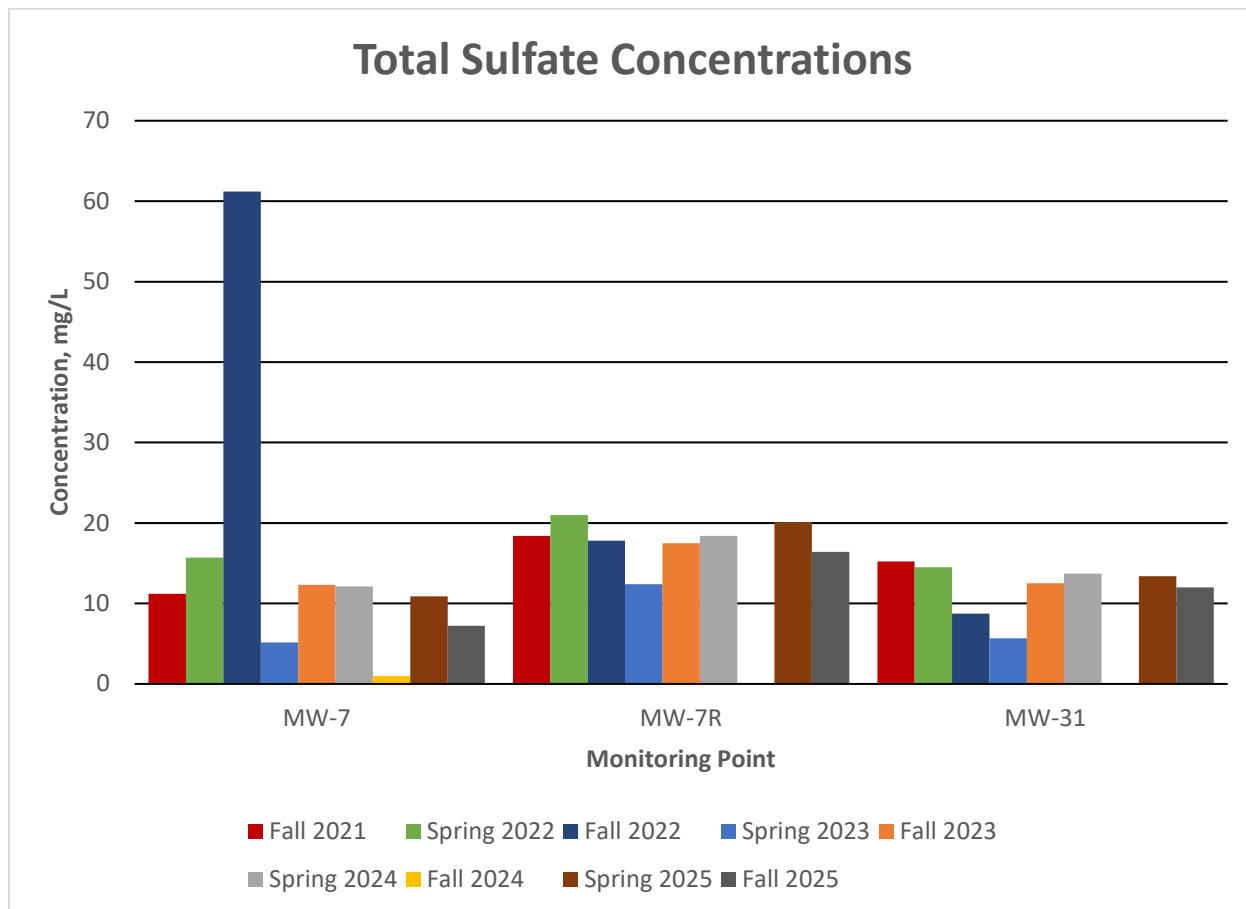
An Assessment of Corrective Measures (ACM) Report was submitted on July 13, 2018 (Doc #92770) and approved in permit correspondence dated August 21, 2019 (Doc #95756). The Selection of Remedy and Corrective Action Monitoring Program (CAMP) was submitted on December 30, 2019 (Doc #96674) and approved in permit correspondence dated March 4, 2020 (Doc #97149). The selected remedy was source control via leachate extraction with monitored natural attenuation (MNA). A leachate extraction well was installed and outfitted with an extraction pump that is connected to a tank for storage of leachate. The tank is monitored and the collected leachate is periodically transferred to the leachate storage lagoon.

Natural attenuation processes are addressing at least a portion of the groundwater impact at the Landfill. Semi-annual natural attenuation sampling was approved in the CAMP for corrective action monitoring well MW-7R and bracketing/delineation monitoring wells MW-7 and MW-31. Natural attenuation parameter analyses were performed for samples collected from monitoring wells MW-7R, MW-7, and MW-31 during the 2025 semi-annual sampling events. The Summary of Groundwater Chemistry – Supplemental, located in Appendix C-3, shows the current barium, nickel, and beta-BHC constituent concentrations for bracketing/delineation monitoring wells MW-7, MW-30, MW-31, and MW-32 and corrective action monitoring well MW-7R and natural attenuation constituents in monitoring wells MW-7, MW-7R, and MW-31. The following graphs illustrate chemical oxygen demand (COD), total manganese, total iron, and sulfate concentrations in monitoring wells MW-7, MW-7R, and MW-31.









Natural Attenuation Discussion

As discussed in the ACM, the graphs indicate natural attenuation is likely occurring in the area of monitoring well MW-7. Monitoring well MW-7 was replaced with monitoring well MW-7R following the submittal of the ACM report. As noted in the ACM, it is likely that sufficient lower redox electron acceptors such as iron oxide are present to adequately accommodate the biodegradable organics introduced to the subsurface by a release. The COD concentrations indicate a generally decreasing concentration trend with distance from the waste boundary, with the concentrations being lowest in monitoring well MW-31.

Trending

Trending of the SSL constituents, as shown in attachments A and B, 1st 2025 and 2nd 2025 Statistical Output of **Appendix D**, were decreasing in monitoring well MW-7R during this reporting period as indicated by negative Mann-Kendall statistics with detections in the most recent eight sampling events.

6.0 SUMMARY AND RECOMMENDATIONS

6.1 SITE IMPACT ON GROUNDWATER

Limited impact from barium, nickel, and beta-BHC is present to the north of the North MSWLF unit in the vicinity of monitoring well MW-7R. Groundwater quality appears to be improving as indicated by generally decreasing trends for SSL constituents in monitoring well MW-7R.

6.2 PROPOSED MONITORING

Anticipated groundwater sampling for the upcoming 2026 reporting period is shown in Table 2. No changes to the HMSP monitoring program are recommended at this time.

6.3 PROPOSED MONITORING WELL CHANGES

No monitoring well changes are proposed for the upcoming reporting period.

Tables

- 1 Monitoring Program Summary
- 2 Monitoring Program Implementation Schedule
- 3 Monitoring Well Maintenance and Performance Re-Evaluation Schedule
- 4 Monitoring Well Performance and Maintenance Summary
- 5 Background and GWPS Summary
- 6 Summary of Well/Detected Constituent Pairs with No Previous SSIs
- 7 Summary Table of Ongoing and Newly Identified SSIs
- 8 Summary Table of Ongoing and Newly Identified SSLs
- 9 Summary of Groundwater Chemistry
- 10 Historical SSIs and SSLs
- 11 Corrective Action Trend Analysis

Table 1
Monitoring Program Summary Table
2025 Annual Water Quality Report
Montgomery County Sanitary Landfill
Permit No. 69-SDP-01-74P

Monitoring Well	Formation ⁽¹⁾	Current Monitoring Program	Change for next sampling event	Constituents with SSLs during the 2025 Reporting Period	Constituents with SSLs	Total Number of Samples in Each Monitoring Program		
						Inorganic/Organic		Corrective Action
Detection						Assessment		
HMSP Monitoring Points - South MSWLF Unit								
MW-23	Loess	Background	No Change	Not applicable	Not applicable	21/27		
MW-24	Loess	Background	No Change	Not applicable	Not applicable	20/28		
MW-19R	Clay	Detection	No Change	Lead**	Not applicable	19/28		
MW-22	Loess	Detection	No Change	None	Not applicable	21/31		
MW-28	Clay	Detection	No Change	Barium***	Not applicable	20/30		
MW-29	Clay	Detection	No Change	Nickel**	Not applicable	21/32		
GU-1	Not Applicable	Detection	No Change	None	Not applicable	10/18		
GU-2	Not Applicable	Detection	No Change	None	Not applicable	0/4		
HMSP Monitoring Points - North MSWLF Unit								
MW-11	Till	Background	No Change	Not applicable	Not applicable	14/0		
MW-12	Loess/Till	Background	No Change	Not applicable	Not applicable	15/1		
MW-13	Loess/Clay	Background	No Change	Not applicable	Not applicable	10/0		
MW-4	Till	Assessment	No Change	None	None		14/23	
MW-5	Clay/Till	Assessment	No Change	Nickel	None		14/27	
MW-6	Till	Assessment	No Change	None	None		14/25	
MW-7R	Clay	Corrective Action	No Change	Barium, Cobalt, Nickel, 1,1-Dichloroethane	Barium†, Nickel, beta-BHC			21/21
MW-8	Till	Assessment	No Change	None	None		14/23	
MW-9	Till	Assessment	No Change	None	None		14/24	
MW-14	Loess	Assessment	No Change	Barium	None		14/23	
MW-15	Till	Assessment	No Change	None	None		14/27	
MW-16	Till	Assessment	No Change	Barium, Nickel, 1,1-Dichloroethane, 1,4-Dichlorobenzene, Chlorobenzene	None		14/27	
MW-17	Clay	Assessment	No Change	None*	None		8/18	
MW-27	Loess	Assessment	No Change	Barium	None		13/21	
Other Monitoring Points								
MW-7	Till	Natural attenuation monitoring.						
MW-10	Dakota Sandstone	Water Level						
MW-18	Loess	Water Level						
MW-20	Till	Water Level						
MW-21	Till	Water Level						
MW-25	Loess/Till	Water Level						
MW-30	Clay	Plume delineation for SSL constituents in MW-7R						
MW-31	Clay	Plume delineation for SSL constituents in MW-7R						
MW-32	Clay	Plume delineation for SSL constituents in MW-7R						

Notes:

⁽¹⁾ Inorganic SSIs indicated in this table are not confirmed for monitoring wells in the assessment or corrective action monitoring programs.

⁽²⁾ Obtained from screened interval on boring logs or cross sections.

†- Upper confidence limit currently below GWPS.

*- Monitoring well did not produce a sample during either semi-annual sampling event.

**-. Pending results of retest.

***. Not confirmed (see Section 5.1 of the report).

SSL = Statistically Significant Level above groundwater protection standard.

SSI = Statistically Significant Increase above background.

Table 2
Monitoring Program Implementation Schedule
2025 Annual Water Quality Report
Montgomery County Sanitary Landfill
Permit No. 69-SDP-01-74P

Monitoring Well	Recent Sampling Dates and Constituents		Upcoming Sampling Dates and Constituents			Full Appendix II Sample Dates	
	May 2025 Semi-Annual	November 2025 Semi-Annual	Retest	1 st 2026 Semi-Annual	2 nd 2026 Semi-Annual	Previously Collected	Next Event
South MSWLF Unit							
MW-23	Appendix I, TSS	Appendix I, TSS	-	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable
MW-24	Appendix I, TSS	Appendix I, TSS	-	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable
MW-19R	Appendix I, TSS	Appendix I, TSS	Lead, TSS	Appendix I, TSS	Appendix I, TSS	9/30/2014, 8/18/2015, 2/18/2020	No Longer Applicable
MW-22	Appendix I, TSS	Appendix I, TSS	-	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable
MW-28	Appendix I, TSS	Appendix I, TSS	-	Appendix I, TSS	Appendix I, TSS	8/14/2013, 8/18/2015, 5/11/2021	No Longer Applicable
MW-29	Appendix I, TSS	Appendix I, TSS	Nickel, TSS	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable
GU-1	Appendix I, TSS	Appendix I, TSS	-	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable
GU-2	No Sample - Dry	No Sample - Dry	-	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable
North MSWLF Unit							
MW-11	-	Metals List, Sulfide, TSS	-	-	Metals List, Sulfide, TSS	Not Applicable	Not Applicable
MW-12	-	Metals List, Sulfide, TSS	-	-	Metals List, Sulfide, TSS	Not Applicable	Not Applicable
MW-13	-	No Sample - Dry	-	-	Metals List, TSS	Not Applicable	Not Applicable
MW-4	-	Metals List, TSS	-	-	Metals List, TSS	10/15/2009, 8/14/2013, 4/5/2018, 9/19/2023	2028
MW-5	-	Appendix I VOCs, Metals List, Sulfide, TSS	-	-	Appendix I VOCs, Metals List, Sulfide, TSS	10/23/2008, 8/14/2013, 4/5/2018, 9/18/2023	2028
MW-6	-	Metals List, TSS	-	-	Metals List, TSS	10/23/2008, 8/14/2013, 4/5/2018, 9/19/2023	2028
MW-7R	Metals List, Iron, Manganese, COD, Sulfate, TSS, Appendix I VOCs, Alpha-BHC, Beta-BHC, Endrin, Endosulfan I, Endosulfan Sulfate, Endrin aldehyde, Gamma-BHC, Heptachlor, 4,4'-DDD	Metals List, Iron, Manganese, COD, Sulfate, TSS, Appendix I VOCs, Alpha-BHC, Beta-BHC, Endosulfan I, Gamma-BHC	-	Metals List, Iron, Manganese, COD, Sulfate, TSS, Appendix I VOCs, Alpha-BHC, Beta-BHC, Endosulfan I, Gamma-BHC	Metals List, Iron, Manganese, COD, Sulfate, TSS, Appendix I VOCs, Alpha-BHC, Beta-BHC, Endosulfan I, Gamma-BHC	2/28/2018, 5/1/2019, 6/19/2024	2029
MW-8	-	Metals List, Sulfide, TSS	-	-	Metals List, Sulfide, TSS	10/15/2009, 8/14/2013, 4/5/2018, 6/19/2024	2029
MW-9	-	Metals List, TSS	-	-	Metals List, TSS	10/23/2008, 8/14/2013, 4/5/2018, 9/19/2023	2028
MW-14	-	Metals List, Sulfide, TSS	-	-	Metals List, Sulfide, TSS	3/29/2010, 8/14/2013, 4/5/2018, 9/20/2023	2028
MW-15	-	Appendix I VOCs, Metals List, TSS	-	-	Appendix I VOCs, Metals List, TSS	10/23/2008, 8/14/2013, 4/5/2018, 9/20/2023	2028
MW-16	-	Appendix I VOCs, Metals List, Sulfide, Beta-BHC, Mercury, TSS	-	-	Appendix I VOCs, Metals List, Sulfide, Beta-BHC, Mercury, TSS	10/23/2008, 8/14/2013, 4/5/2018, 9/20/2023	2028
MW-17	-	No Sample - Dry	-	-	Appendix II, TSS	10/23/2008, 8/14/2013, 9/18/2018	2026
MW-27	-	Appendix I VOCs, Metals List, TSS	-	-	Appendix I VOCs, Metals List, TSS	1/25/2012, 8/14/2013, 4/5/2018, 6/19/2024	2029
North MSWLF Unit Supplemental							
MW-7	Barium, Nickel, beta-BHC, TSS, Iron, Manganese, COD, Sulfate	Barium, Nickel, beta-BHC, TSS, Iron, Manganese, COD, Sulfate	-	Barium, Nickel, beta-BHC, TSS, Iron, Manganese, COD, Sulfate	Barium, Nickel, beta-BHC, TSS, Iron, Manganese, COD, Sulfate	Not Applicable	Not Applicable
MW-30	Barium, Nickel, beta-BHC, TSS	-	-	Barium, Nickel, beta-BHC, TSS	-	Not Applicable	Not Applicable
MW-31	Barium, Nickel, beta-BHC, TSS, Iron, Manganese, COD, Sulfate	Barium, Nickel, beta-BHC, TSS, Iron, Manganese, COD, Sulfate	-	Barium, Nickel, beta-BHC, TSS, Iron, Manganese, COD, Sulfate	Barium, Nickel, beta-BHC, TSS, Iron, Manganese, COD, Sulfate	Not Applicable	Not Applicable
MW-32	Barium, Nickel, beta-BHC, TSS	-	-	Barium, Nickel, beta-BHC, TSS	-	Not Applicable	Not Applicable

Notes:

COD - Chemical Oxygen Demand

TSS - Total Suspended Solids

Metals List includes: Arsenic, Barium, Cadmium, Cobalt, Copper, Lead, Nickel, Selenium, and Zinc.

Table 3
Monitoring Well Maintenance and Performance Re-Evaluation Schedule
2025 Annual Water Quality Report
Montgomery County Sanitary Landfill
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Compliance with:	2023	2024	2025	2026	2027
567 IAC 113.10(2)"f"(1) high and low water levels	Completed	Completed	Included	Scheduled	Scheduled
567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths	Completed	Completed	Included	Scheduled	Scheduled
567 IAC 113.10(2)"f"(3) well depths	Completed	Completed	Included	Scheduled	Scheduled
567 IAC 113.10(2)"f"(4) well recharge rates and chemistry		Completed		Scheduled	Scheduled
Waste separation from ground water 113.6(2)i	Completed	Completed	Included	Scheduled	Scheduled

Table 4
Monitoring Well Performance and Maintenance Summary
2025 Annual Water Quality Report
Montgomery County Sanitary Landfill
Permit No. 69-SDP-01-74P

Well	Top of Casing	Top of Screen	Total Depth		Date of Measurements		Maximum Depth Discrepancy (ft)	Initial Flow Rate (L/min) Date	Recent Flow Rate (L/min) Date	% Change
					5/19/2025	11/24/2025				
South MSWLF Unit										
MW-23	1255.5	1237.4	33.1	Groundwater Level (ft)	15.05	19.04	-0.8	0.180 8/19/2015	0.158 10/15/2024	-12%
				Groundwater Elevation (Ft MSL)	1240.46	1236.47				
				Measured Well Depth (ft)	33.9	33.9				
				Submerged screen	Y	N				
MW-24	1281.5	1263.8	37.7	Groundwater Level (ft)	20.71	21.50	-0.8	0.080 8/19/2015	0.150 10/15/2024	88%
				Groundwater Elevation (Ft MSL)	1260.78	1259.99				
				Measured Well Depth (ft)	38.5	38.5				
				Submerged screen	N	N				
MW-19R	1215.5	1202.9	27.8	Groundwater Level (ft)	17.67	20.28	-0.4	0.100 8/18/2015	0.150 10/15/2024	50%
				Groundwater Elevation (Ft MSL)	1197.85	1195.24				
				Measured Well Depth (ft)	28.2	28.1				
				Submerged screen	N	N				
MW-22	1243.8	1219.4	34.3	Groundwater Level (ft)	16.95	18.88	10.6	0.100 8/18/2015	0.150 10/15/2024	50%
				Groundwater Elevation (Ft MSL)	1226.80	1224.87				
				Measured Well Depth (ft)	23.7	23.8				
				Submerged screen	Y	Y				
MW-28	1217.0	1203.9	22.8	Groundwater Level (ft)	18.32	19.41	-0.3	0.130 8/18/2015	0.150 10/15/2024	15%
				Groundwater Elevation (Ft MSL)	1198.63	1197.54				
				Measured Well Depth (ft)	23.1	23.1				
				Submerged screen	N	N				
MW-29	1209.4	1196.6	27.8	Groundwater Level (ft)	13.40	13.85	0.2	0.150 8/18/2015	0.167 10/15/2024	11%
				Groundwater Elevation (Ft MSL)	1195.99	1195.54				
				Measured Well Depth (ft)	27.7	27.6				
				Submerged screen	N	N				
North MSWLF Unit										
MW-11	1239.8	1223.4	26.4	Groundwater Level (ft)	6.32	8.41	-0.8	0.080 8/19/2015	0.175 6/19/2024	119%
				Groundwater Elevation (Ft MSL)	1233.47	1231.38				
				Measured Well Depth (ft)	27.2	27.1				
				Submerged screen	Y	Y				
MW-12	1278.8	1228.7	60.1	Groundwater Level (ft)	25.59	29.11	0.3	0.130 8/19/2015	0.200 10/16/2024	54%
				Groundwater Elevation (Ft MSL)	1253.22	1249.70				
				Measured Well Depth (ft)	60.0	59.8				
				Submerged screen	Y	Y				
MW-13	1278.9	1262.6	26.3	Groundwater Level (ft)	24.38	Dry	0.3	0.130 8/19/2015	0.175 6/18/2024	35%
				Groundwater Elevation (Ft MSL)	1254.49	NA				
				Measured Well Depth (ft)	26.0	26.0				
				Submerged screen	N	NA				
MW-4	1205.1	1187.1	28.0	Groundwater Level (ft)	12.55	13.02	-0.1	0.080 8/19/2015	0.183 6/19/2024	129%
				Groundwater Elevation (Ft MSL)	1192.54	1192.07				
				Measured Well Depth (ft)	28.1	28.0				
				Submerged screen	Y	Y				
MW-5	1199.1	1187.1	21.1	Groundwater Level (ft)	10.52	12.08	-0.3	0.080 8/19/2015	0.167 6/19/2024	108%
				Groundwater Elevation (Ft MSL)	1188.53	1186.97				
				Measured Well Depth (ft)	21.4	21.3				
				Submerged screen	Y	N				
MW-6	1198.8	1166.3	42.5	Groundwater Level (ft)	12.84	13.71	0.9	0.080 8/19/2015	0.175 6/19/2024	119%
				Groundwater Elevation (Ft MSL)	1185.97	1185.10				
				Measured Well Depth (ft)	42.4	41.6				
				Submerged screen	Y	Y				
MW-7R	1204.4	1191.5	21.5	Groundwater Level (ft)	8.89	9.08	0.0	0.150 5/4/2017	0.158 10/16/2024	6%
				Groundwater Elevation (Ft MSL)	1195.55	1195.36				
				Measured Well Depth (ft)	21.5	21.5				
				Submerged screen	Y	Y				

Table 4
Monitoring Well Performance and Maintenance Summary
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Well	Top of Casing	Top of Screen	Total Depth		Date of Measurements		Maximum Depth Discrepancy (ft)	Initial Flow Rate (L/min) Date	Recent Flow Rate (L/min) Date	% Change
					5/19/2025	11/24/2025				
MW-8	1226.1	1180.0	56.1	Groundwater Level (ft)	41.95	39.55	5.4	0.130 8/19/2015	0.142 6/19/2024	9%
				Groundwater Elevation (Ft MSL)	1184.10	1186.50				
				Measured Well Depth (ft)	50.7	55.6				
				Submerged screen	Y	Y				
MW-9	1226.0	1206.1	29.9	Groundwater Level (ft)	14.63	15.52	-0.3	0.060 8/19/2015	0.150 6/19/2024	150%
				Groundwater Elevation (Ft MSL)	1211.36	1210.47				
				Measured Well Depth (ft)	30.2	30.1				
				Submerged screen	Y	Y				
MW-14	1274.3	1252.3	32.0	Groundwater Level (ft)	24.54	23.82	0.2	0.130 8/19/2015	0.150 6/18/2024	15%
				Groundwater Elevation (Ft MSL)	1249.77	1250.49				
				Measured Well Depth (ft)	31.8	31.8				
				Submerged screen	N	N				
MW-15	1238.6	1191.0	57.6	Groundwater Level (ft)	10.25	14.45	5.9	0.100 8/19/2015	0.222 6/19/2024	122%
				Groundwater Elevation (Ft MSL)	1228.32	1224.12				
				Measured Well Depth (ft)	51.7	57.3				
				Submerged screen	Y	Y				
MW-16	1238.5	1216.7	31.8	Groundwater Level (ft)	9.81	11.02	-1.1	0.080 8/19/2015	0.175 6/19/2024	119%
				Groundwater Elevation (Ft MSL)	1228.68	1227.47				
				Measured Well Depth (ft)	32.9	31.8				
				Submerged screen	Y	Y				
MW-17	1245.9	1217.6	38.3	Groundwater Level (ft)	Dry	Dry	3.7	0.100 8/18/2015	0.283 2/18/2020	183%
				Groundwater Elevation (Ft MSL)	NA	NA				
				Measured Well Depth (ft)	34.6	37.9				
				Submerged screen	N	NA				
MW-27	1246.7	1211.5	45.0	Groundwater Level (ft)	36.07	39.42	0.6	0.150 8/18/2015	0.192 6/19/2024	28%
				Groundwater Elevation (Ft MSL)	1210.64	1207.29				
				Measured Well Depth (ft)	44.4	45.2				
				Submerged screen	N	N				

Notes:

NM: Not Measured. Most monitoring wells in the North MSWLF unit are measured annually.

NA: Not Available.

Comments:

- 1) Measured well depths were within 1.0 foot of the installed depth with the following exceptions:

MW-22: A kink was noted in MW-22 prior to the 2014 AWQR, located approximately 10.5 feet shallower than the installed well depth. As a sample has been able to be collected, it is likely that the well is functioning adequately.

MW-15: A kink was noted in MW-15 during the 2022 sampling event, located approximately 6 feet shallower than the installed well depth. As a sample has been able to be collected, it is likely that the well is functioning adequately.

Groundwater Underdrain Piezometer

Well		Date of Measurements	
		5/19/2025	11/24/2025
GWP - 1	Bottom of waste (feet MSL)	1212.5	
	Groundwater Elevation (feet MSL)	Dry	Dry
	Separation distance compliant?	Yes	Yes

Since the groundwater underdrain discharge point was dry during the 2024 semi-annual measurements, it appears separation was likely maintained throughout this reporting period.

Table 5
Background and GWPS Summary Tables
2025 Annual Water Quality Report
Montgomery County Sanitary Landfill
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Interwell Background/GWPS North MSWLF Unit (MW-11, MW-12, and MW-13)

Constituent	Units	Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Inorganics										
Antimony (Sb)	mg/L	28	0	0.0005 (1/2 RL)	0.0015 (1/2 RL)	0.000607	< 0.003	DQR	0.006	MCL
Arsenic (As)	mg/L	39	6	0.000555*	0.00184	0.001032	0.00184	PL (NP)	0.01	MCL
Barium (Ba)	mg/L	39	39	0.166	0.385	0.218987	0.2777	PL (P)	2.0	MCL
Beryllium (Be)	mg/L	28	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.000500	< 0.001	DQR	0.004	MCL
Cadmium (Cd)	mg/L	39	3	0.00005 (1/2 RL)	0.00025 (1/2 RL)	0.000181	0.00025	PL (NP)	0.005	MCL
Chromium (Cr)	mg/L	28	13	0.00127*	0.00541	0.002356	0.00541	PL (NP)	0.1	MCL
Cobalt (Co)	mg/L	39	7	0.000045*	0.00166	0.000302	0.00166	PL (NP)	0.0021	SWS
Copper (Cu)	mg/L	39	2	0.001 (1/2 RL)	0.0025 (1/2 RL)	0.002252	0.0025	PL (NP)	1.3	MCL
Lead (Pb)	mg/L	39	6	0.000108*	0.00267	0.000341	0.00267	PL (NP)	0.015	MCL
Nickel (Ni)	mg/L	39	4	0.000743*	0.00297*	0.002275	0.00297	PL (NP)	0.1	SWS
Selenium (Se)	mg/L	39	9	0.00105*	0.00386*	0.002381	0.00386	PL (NP)	0.05	MCL
Silver (Ag)	mg/L	28	2	0.000102*	0.0005 (1/2 RL)	0.000446	0.0005	PL (NP)	0.1	SWS
Thallium (Tl)	mg/L	28	0	0.0005 (1/2 RL)	0.001 (1/2 RL)	0.000554	< 0.002	DQR	0.002	MCL
Vanadium (V)	mg/L	28	13	0.000598*	0.0066	0.002471	0.0066	PL (NP)	0.035	SWS
Zinc (Zn)	mg/L	39	4	0.005 (1/2 RL)	0.0698	0.011089	0.0698	PL (NP)	2.0	SWS

Intrawell Background/GWPS South MSWLF Unit (MW-19R)

Constituent	Units	Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Inorganics										
Antimony (Sb)	mg/L	16	0	0.0005 (1/2 RL)	0.0015 (1/2 RL)	0.000719	< 0.003	DQR	0.006	MCL
Arsenic (As)	mg/L	16	1	0.001 (1/2 RL)	0.00125	0.001016	0.00125	PL (NP)	0.01	MCL
Barium (Ba)	mg/L	9	9	0.202	0.274	0.235278	0.280	PL (P)	2.0	MCL
Beryllium (Be)	mg/L	16	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.000500	< 0.001	DQR	0.004	MCL
Cadmium (Cd)	mg/L	16	4	0.000048*	0.00025 (1/2 RL)	0.000147	0.00025	PL (NP)	0.005	MCL
Chromium (Cr)	mg/L	16	2	0.0005025*	0.0025 (1/2 RL)	0.002297	0.0025	PL (NP)	0.1	MCL
Cobalt (Co)	mg/L	16	3	0.000082*	0.0005 (1/2 RL)	0.000236	0.0005	PL (NP)	0.0021	SWS
Copper (Cu)	mg/L	16	0	0.001 (1/2 RL)	0.0025 (1/2 RL)	0.002313	< 0.005	DQR	1.3	MCL
Lead (Pb)	mg/L	17	3	0.000245*	0.000721	0.000280	0.000721	PL (NP)	0.015	MCL
Nickel (Ni)	mg/L	16	1	0.000825*	0.0025 (1/2 RL)	0.002302	0.0025	PL (NP)	0.1	SWS
Selenium (Se)	mg/L	16	0	0.00125 (1/2 RL)	0.0025 (1/2 RL)	0.002422	< 0.005	DQR	0.05	MCL
Silver (Ag)	mg/L	16	1	0.000106*	0.0005 (1/2 RL)	0.000460	0.0005	PL (NP)	0.1	SWS
Thallium (Tl)	mg/L	16	0	0.0005 (1/2 RL)	0.001 (1/2 RL)	0.000531	< 0.002	DQR	0.002	MCL
Vanadium (V)	mg/L	16	4	0.00114*	0.0025 (1/2 RL)	0.002223	0.0025	PL (NP)	0.035	SWS
Zinc (Zn)	mg/L	16	0	0.005 (1/2 RL)	0.01 (1/2 RL)	0.009063	< 0.02	DQR	2.0	SWS

Intrawell Background/GWPS South MSWLF Unit (MW-22)

Constituent	Units	Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Inorganics										
Antimony (Sb)	mg/L	20	0	0.0005 (1/2 RL)	0.0015 (1/2 RL)	0.000775	< 0.003	DQR	0.006	MCL
Arsenic (As)	mg/L	20	1	0.001 (1/2 RL)	0.00157	0.001029	0.00157	PL (NP)	0.01	MCL
Barium (Ba)	mg/L	20	20	0.181	0.338	0.2529	0.3078	PL (P)	2.0	MCL
Beryllium (Be)	mg/L	20	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.000500	< 0.001	DQR	0.004	MCL
Cadmium (Cd)	mg/L	20	5	0.00005 (1/2 RL)	0.000324	0.000151	0.000324	PL (NP)	0.005	MCL
Chromium (Cr)	mg/L	20	4	0.00126*	0.0025 (1/2 RL)	0.002283	0.0025	PL (NP)	0.1	MCL
Cobalt (Co)	mg/L	20	1	0.000036*	0.0005 (1/2 RL)	0.000252	0.0005	PL (NP)	0.0021	SWS
Copper (Cu)	mg/L	20	2	0.000905*	0.0025 (1/2 RL)	0.002388	0.0025	PL (NP)	1.3	MCL
Lead (Pb)	mg/L	20	1	0.000167*	0.00025 (1/2 RL)	0.000246	0.00025	PL (NP)	0.015	MCL
Nickel (Ni)	mg/L	20	0	0.001 (1/2 RL)	0.0025 (1/2 RL)	0.002425	< 0.005	DQR	0.1	SWS
Selenium (Se)	mg/L	20	1	0.000889*	0.0025 (1/2 RL)	0.002357	0.0025	PL (NP)	0.05	MCL
Silver (Ag)	mg/L	20	2	0.000105*	0.0005 (1/2 RL)	0.000451	0.0005	PL (NP)	0.1	SWS
Thallium (Tl)	mg/L	20	0	0.0005 (1/2 RL)	0.001 (1/2 RL)	0.000525	< 0.002	DQR	0.002	MCL
Vanadium (V)	mg/L	20	4	0.00168*	0.0025 (1/2 RL)	0.002361	0.0025	PL (NP)	0.035	SWS
Zinc (Zn)	mg/L	20	0	0.005 (1/2 RL)	0.01 (1/2 RL)	0.009250	< 0.02	DQR	2.0	SWS

Table 5
Background and GWPS Summary Tables
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Montgomery County Sanitary Landfill
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Intrawell Background/GWPS South MSWLF Unit (MW-28)

Constituent	Units	Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Inorganics										
Antimony (Sb)	mg/L	16	0	0.0005 (1/2 RL)	0.0015 (1/2 RL)	0.000750	< 0.003	DQR	0.006	MCL
Arsenic (As)	mg/L	16	1	0.001 (1/2 RL)	0.00195	0.001059	0.00195	PL (NP)	0.01	MCL
Barium (Ba)	mg/L	16	16	0.185	0.257	0.216281	0.248	PL (P)	2.0	MCL
Beryllium (Be)	mg/L	16	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.000500	< 0.001	DQR	0.004	MCL
Cadmium (Cd)	mg/L	15	5	0.00005 (1/2 RL)	0.000583	0.000172	0.000583	PL (NP)	0.005	MCL
Chromium (Cr)	mg/L	16	0	0.0025 (1/2 RL)	0.0025 (1/2 RL)	0.002500	< 0.005	DQR	0.1	MCL
Cobalt (Co)	mg/L	16	4	0.000047*	0.0005 (1/2 RL)	0.000222	0.0005	PL (NP)	0.0021	SWS
Copper (Cu)	mg/L	16	2	0.00053*	0.00319	0.002420	0.00319	PL (NP)	1.3	MCL
Lead (Pb)	mg/L	16	1	0.000124*	0.00025 (1/2 RL)	0.000242	0.00025	PL (NP)	0.015	MCL
Nickel (Ni)	mg/L	16	2	0.001 (1/2 RL)	0.00306*	0.002354	0.00306	PL (NP)	0.1	SWS
Selenium (Se)	mg/L	16	3	0.000853*	0.0025 (1/2 RL)	0.002157	0.0025	PL (NP)	0.05	MCL
Silver (Ag)	mg/L	16	0	0.00025 (1/2 RL)	0.0005 (1/2 RL)	0.000484	< 0.001	DQR	0.1	SWS
Thallium (Tl)	mg/L	16	0	0.0005 (1/2 RL)	0.001 (1/2 RL)	0.000531	< 0.002	DQR	0.002	MCL
Vanadium (V)	mg/L	16	3	0.00062*	0.0025 (1/2 RL)	0.002154	0.0025	PL (NP)	0.035	SWS
Zinc (Zn)	mg/L	16	0	0.005 (1/2 RL)	0.01 (1/2 RL)	0.009063	< 0.02	DQR	2.0	SWS

Intrawell Background/GWPS South MSWLF Unit (MW-29)

Constituent	Units	Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Inorganics										
Antimony (Sb)	mg/L	20	0	0.0005 (1/2 RL)	0.0015 (1/2 RL)	0.000775	< 0.003	DQR	0.006	MCL
Arsenic (As)	mg/L	20	1	0.001 (1/2 RL)	0.00173	0.001037	0.00173	PL (NP)	0.01	MCL
Barium (Ba)	mg/L	24	24	0.269	0.569	0.488646	0.5742	PL (P)	2.0	MCL
Beryllium (Be)	mg/L	20	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.000500	< 0.001	DQR	0.004	MCL
Cadmium (Cd)	mg/L	21	4	0.00005 (1/2 RL)	0.000855	0.000201	0.000855	PL (NP)	0.005	MCL
Chromium (Cr)	mg/L	20	1	0.00232*	0.0025 (1/2 RL)	0.002491	0.0025	PL (NP)	0.1	MCL
Cobalt (Co)	mg/L	23	7	0.000041*	0.00104	0.000311	0.00104	PL (NP)	0.0021	SWS
Copper (Cu)	mg/L	20	1	0.001 (1/2 RL)	0.0025 (1/2 RL)	0.002353	0.0025	PL (NP)	1.3	MCL
Lead (Pb)	mg/L	21	3	0.00025 (1/2 RL)	0.000902	0.000294	0.000902	PL (NP)	0.015	MCL
Nickel (Ni)	mg/L	20	3	0.001375*	0.0025 (1/2 RL)	0.002392	0.0025	PL (NP)	0.1	SWS
Selenium (Se)	mg/L	20	3	0.00125 (1/2 RL)	0.00442*	0.002613	0.00442	PL (NP)	0.05	MCL
Silver (Ag)	mg/L	20	1	0.00025 (1/2 RL)	0.0005 (1/2 RL)	0.000478	0.0005	PL (NP)	0.1	SWS
Thallium (Tl)	mg/L	20	0	0.0005 (1/2 RL)	0.001 (1/2 RL)	0.000525	< 0.002	DQR	0.002	MCL
Vanadium (V)	mg/L	20	3	0.000376*	0.0025 (1/2 RL)	0.002250	0.0025	PL (NP)	0.035	SWS
Zinc (Zn)	mg/L	20	0	0.005 (1/2 RL)	0.01 (1/2 RL)	0.009250	< 0.02	DQR	2.0	SWS

Notes:

- 1) Background levels based on calculated prediction limits or reporting limit, as applicable.

Acronyms/Abbreviations:

RL = Reporting Limit	PL = Prediction Limit
GWPS = Groundwater Protection Standard	MCL = EPA Maximum Contaminant Level
DQR = Double Quantification Rule	NP = Non-Parametric
SSS = Site-Specific GWPS	P = Parametric
SWS = Statewide Standard	

Comments:

- 1) **Water quality results and effectiveness of the statistical data evaluation criteria:** Statistical evaluations consist of prediction limits, double quantification rule, and confidence intervals/confidence bands, as appropriate. Data from the background wells is not used for development of the confidence intervals or confidence bands.
- 2) **Changes to the previous statistical method during reporting period:** None.
- 3) **Re-sampling strategy:** Retesting is performed on a 1-of-3 scheme.
- 4) **Justification for data exclusion:** Due to the effect of elevated TSS on inorganic concentrations, data obtained prior to the implementation of low-flow sampling was removed from statistical consideration beginning with the 2019 reporting period. Additionally, laboratory methodology and instrumentation had higher reporting limits prior to and including the March 2014 sampling event for monitoring points GU-1 and GU-2. Improved laboratory instrumentation provided an increased concentration sensitivity and lower inorganic reporting limit for multiple constituents. Due to analytical improvements, inorganic data including and prior to March 2014 in GU-1 and GU-2 is no longer considered representative of groundwater quality at the Landfill, and all values were removed from the statistical evaluation.

Table 6
Summary of Well/Detected Constituent Pairs With No Previous SSIs
2025 Annual Water Quality Report
Montgomery County Sanitary Landfill
Permit No. 69-SDP-01-74P

Well	Constituent	Units	Most Recent Result	Background Standard
South MSWLF Unit				
MW-19R**	Lead*	mg/L	0.000773	0.000721
MW-28	Barium***	mg/L	0.255	0.2481
MW-29	Nickel*	mg/L	0.00924	0.0025
North MSWLF Unit				
MW-16	Nickel	mg/L	0.00616	0.00297
	1,1-Dichloroethane	µg/L	2.87	< 1
	1,4-Dichlorobenzene	µg/L	2.55	< 1
	Chlorobenzene	µg/L	8.18	< 1
MW-27**	Barium	mg/L	0.28	0.2777

Notes:

- 1) Criteria for inclusion in this table is a well/constituent pair with an indicated statistically significant increase above background (SSI) during this current reporting period and no SSI in the immediately preceding reporting period.
- 2) Inorganic SSIs indicated in this table are not confirmed for monitoring wells in the assessment or corrective action monitoring programs.

* - Not confirmed, pending retesting.

** - Duplicate sample monitoring well during this reporting period, the most recent result concentrations shown are an average of both samples obtained from the monitoring well.

*** - Not confirmed (see Section 5.1 of the report).

Comments:

- 1) **Problems with the current detection network:** A sample has not been able to be obtained from monitoring point GU-2 since the 2011 reporting period due to the monitoring point being dry. The point being dry likely indicates that the groundwater level is below the elevation of the groundwater underdrain.
- 2) **Schedule to implement remedies:** Not applicable.
- 3) **Alternative constituent or sample frequency changes:** None.
- 4) **Significant changes to calculated prediction limits:** Monitoring points GU-1 and GU-2 were moved to intrawell prediction limit analyses during the 2020 reporting period. However, neither monitoring point has a sufficient number of representative samples to perform statistical analyses; therefore, statistical analyses will be performed upon collection of an initial eight background samples. All detection monitoring points in the South MSWLF unit HMSP monitoring network were moved to intrawell prediction limit analysis beginning with the 2nd 2022 semi-annual statistical evaluation in accordance with DNR correspondence dated October 13, 2022 (Doc #104310).
- 5) **Resampling strategy:** Retesting is performed on a 1-of-3 retesting scheme.

Table 7
Summary Table of Ongoing and Newly Identified SSIs
2025 Annual Water Quality Report
Montgomery County Sanitary Landfill
Permit No. 69-SDP-01-74P

Well	Constituent	Units	Most Recent Result	Background Standard	Lower Confidence Limit	GWPS	Sample Dates		
							Initial Exceedance	Resample(s)	5 th background sample
South MSWLF Unit									
MW-19R*	Lead†	mg/L	0.000773	0.000721	NA	0.015	12/9/2025	Pending	9/6/2017
MW-22	None								
MW-28	Barium††	mg/L	0.254	0.2481	NA	2	12/9/2025	Pending	9/6/2017
MW-29	Nickel†	mg/L	0.00924	0.0025	NA	0.1	12/9/2025	Pending	9/6/2017
GU-1	None								
GU-2	None								
North MSWLF Unit									
MW-4	None								
MW-5	Nickel	mg/L	0.00748	0.00297	TS	0.1	6/18/2024	NM	9/5/2017
MW-6	None								
MW-7R	Barium	mg/L	1.22	0.2777	1.26	2	8/20/2019	NM	2/28/2018
	Cobalt	mg/L	0.00106	0.00166	0.001028	0.0021	8/20/2019	NM	2/28/2018
	Nickel	mg/L	0.118	0.00297	0.112	0.1	8/20/2019	NM	2/28/2018
	1,1-Dichloroethane	µg/L	1.33	< 1	0.8143	140	5/3/2017	NM	2/28/2018
MW-8	None								
MW-9	None								
MW-14	Barium	mg/L	0.808	0.2777	0.7542	2	6/18/2024	NM	9/5/2017
MW-15	None								
MW-16	Barium	mg/L	0.553	0.2777	0.5404	2	6/18/2024	NM	9/5/2017
	Nickel	µg/L	0.00616	0.00297	0.0025	0.1	11/24/2025	NM	9/5/2017
	1,1-Dichloroethane	µg/L	2.87	< 1	1.995	140	11/24/2025	NM	9/28/2010
	1,4-Dichlorobenzene	µg/L	2.55	< 1	0.76	75	11/24/2025	NM	9/28/2010
	Chlorobenzene	µg/L	8.18	< 1	0.1796	100	11/24/2025	NM	9/28/2010
MW-17**	None								
MW-27*	Barium	mg/L	0.28	0.2777	0.2725	2	11/24/2025	NM	9/5/2017

Notes:

- 1) Ongoing SSI is defined as one or more SSIs for a monitoring well/constituent pair in both the previous and current reporting periods.
 - 2) A single detection of a VOC or a parameter outside of the Appendix I list that is included in the Appendix II list in the most recent reporting period, is recorded above as an SSI.
 - 3) Inorganic SSIs indicated in this table are not confirmed for monitoring wells in the assessment or corrective action monitoring programs.
- † - SSI not confirmed pending the results of retesting.
- †† - SSI not confirmed (see Section 5.1 of the report).
- * - Duplicate sample monitoring well during this reporting period, the most recent result concentrations shown are an average of both samples obtained from the monitoring well.
- ** - Monitoring well did not produce a sample during both semi-annual sampling events.
- NA - Not Applicable; Confidence interval analysis is not performed on monitoring wells in the detection monitoring program.
- NM - Not Measured; Resampling of constituents with indicated statistically significant increases (SSIs) above background and/or Confidence Interval analysis was not part of the statistical methodology performed based on current monitoring program for monitoring well as the monitoring well was in either the assessment or corrective action monitoring programs.
- TS - Indicates that due to a significant trend, Theil Sen analysis was performed in lieu of Confidence Intervals, therefore a lower confidence limit is unavailable.
- Shaded indicates a newly indicated SSI; an SSI was indicated during the current reporting period but not during the prior reporting period.

Comments:

- 1) **Problems with the current assessment network:** None.
- 2) **Proposed remedies:** None.

- 3) **Alternative constituent or sample frequency changes:** None.
- 4) **Plume delineation strategies:** None.
- 5) **Property owner notifications:** Not applicable.

Table 8
Summary Table of Ongoing and Newly Identified SSLs
2025 Annual Water Quality Report
Montgomery County Sanitary Landfill
Permit No. 69-SDP-01-74P

Well	Constituent	Units	Most Recent Result	Upper Confidence Limit	GWPS	Initial Exceedance	Upper Confidence Limit Below GWPS					
							1 st Year		2 nd Year		3 rd Year	
MW-7R	Barium	mg/L	1.22	1.669	2	2018	9/2023	6/2024	10/2024	5/2025	11/2025	NA
	Nickel	mg/L	0.118	0.1337	0.1	2018	NA	NA	NA	NA	NA	NA
	Beta-BHC	µg/L	< 0.0946	0.602	0.042	2019	NA	NA	NA	NA	NA	NA

Notes:

NA - Indicates that the constituent-monitoring point dataset has not satisfied the statistical requirements of IAC 567-113.10(9)"e"(2), which is identified by the entire confidence interval or any portion of the upper confidence band, as appropriate, being below the GWPS.

Table 9
Summary of Groundwater Chemistry
2025 Annual Water Quality Report
Montgomery County Sanitary Landfill
Permit No. 69-SDP-01-74P

The Reporting Period Summary of Groundwater Chemistry tables are located in Appendices C-1, and C-2.

Table 10
Historical SSI and SSL
2025 Annual Water Quality Report
Montgomery County Sanitary Landfill
Permit No. 69-SDP-01-74P

Key

	SSI
	SSL

Well	Constituent	Spring 2020	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023	Fall 2023	Spring 2024	Fall 2024	Spring 2025	Fall 2025
South MSWLF Unit													
MW-19R	Lead*												
MW-28	Barium										**		**
MW-29	Barium												
	Cobalt												
	Cadmium												
	Nickel*												
North MSWLF Unit													
MW-5	Cadmium												
	Copper												
	Nickel												
MW-7R	Barium												
	Cadmium												
	Cobalt												
	Nickel												
	1,1-Dichloroethane												
	Alpha-BHC												
	beta-BHC												
	Endosulfan I												
MW-8	Heptachlor												
	Cobalt												
MW-9	Sulfide												
	Cadmium												
MW-14	Barium												
MW-15	1,2-Dichloroethane												
MW-16	Barium												
	Nickel												
	1,1-Dichloroethane		NS	NS			NS	NS					
	1,4-Dichlorobenzene		NS	NS			NS	NS					
	Chlorobenzene		NS	NS			NS	NS					
MW-27	4,4-DDE												
	Barium												

Notes:

- 1) For the 2022 reporting period and earlier, only initial confirmed SSIs were recorded on this table for inorganic compounds. Beginning in the 2023 reporting period, indicated inorganic SSIs are included in this table.
 - 2) A detection of an organic compound or sulfide is recorded as an SSI for this table.
 - 3) NS - Monitoring well did not produce a sample during the sampling event.
- *- SSI not confirmed pending the results of retesting.
 **- SSI not confirmed (see Section 5.1 of the report).

Table 11
Corrective Action Trend Analysis
2025 Annual Water Quality Report
Montgomery County Sanitary Landfill
Permit No. 69-SDP-01-74P

Well	Current SSL	Trend	Calculated S	Critical S	Total N	Projected Date to Completion*
MW-7R	Barium	Decreasing	-18	-21	8	2026**
	Nickel	Decreasing	-4	-21	8	2039
	Beta-BHC	Decreasing	-1	-21	8	2061

Notes:

N - Number of samples.

* - To satisfy IAC 113.10(9)"e"; Projected Date to Completion was based on utilizing the Sen's slope calculation to determine when the concentration would be below the GWPS for eight sampling events and remain there for three consecutive years.

** - Concentration has been below GWPS for eight sampling events and now must remain there for three consecutive years.

S - Mann-Kendall Statistic.

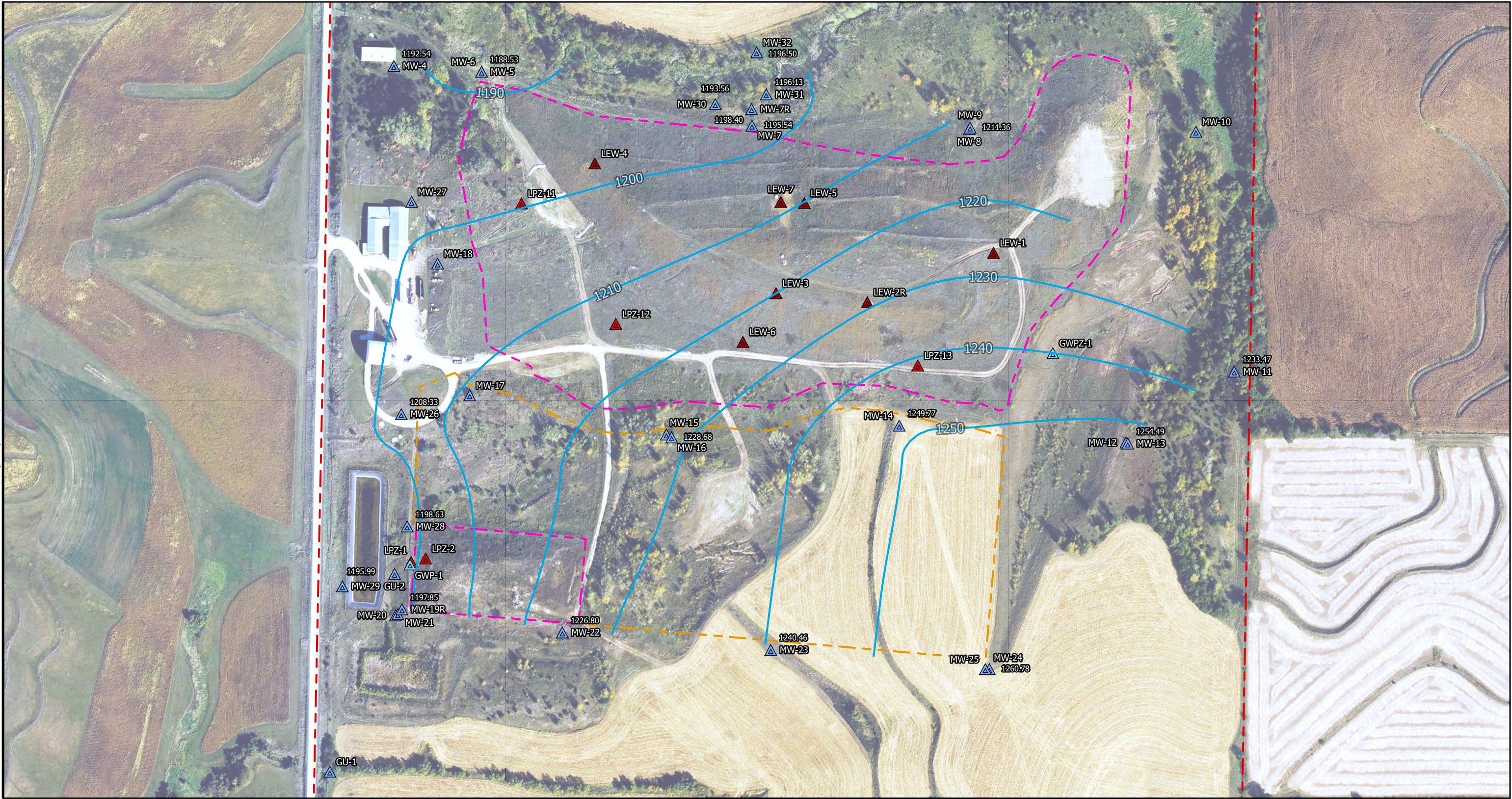
Comments:

- 1) An Assessment of Corrective Measures (ACM) was submitted on July 13, 2018 (Doc #92770) and approved in DNR correspondence dated August 21, 2019 (Doc #95756) for the North MSWLF unit. The Selection of Remedy and Corrective Action Groundwater Monitoring Program (CAMP) was submitted on December 30, 2019 (Doc #96674) and approved in permit correspondence dated March 4, 2020 (Doc #97149). An ACM is not required for the South MSWLF unit at this time.

Figures

- 1 Approved Monitoring Network
- 2 Groundwater Contours - Shallow
- 3 Groundwater Contours - Deep

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Data Saved: 2/11/2026 11:51 AM
User: bmadsen



Groundwater Contours - Shallow

Legend

Approximate Shallow Groundwater Contour Based on Field Measurements Taken May 19-20, 2025	Groundwater Piezometer	Approximate Waste Boundary
Monitoring Point	Leachate Piezometer	Property Boundary
	Leachate Extraction Well	
	Future Waste Boundary	

Montgomery County Sanitary Landfill
Red Oak, Iowa
Project No: 27225095.02
Drawing Date: February 2026

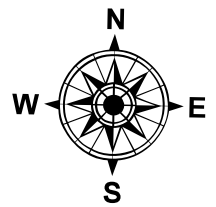
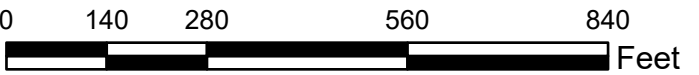
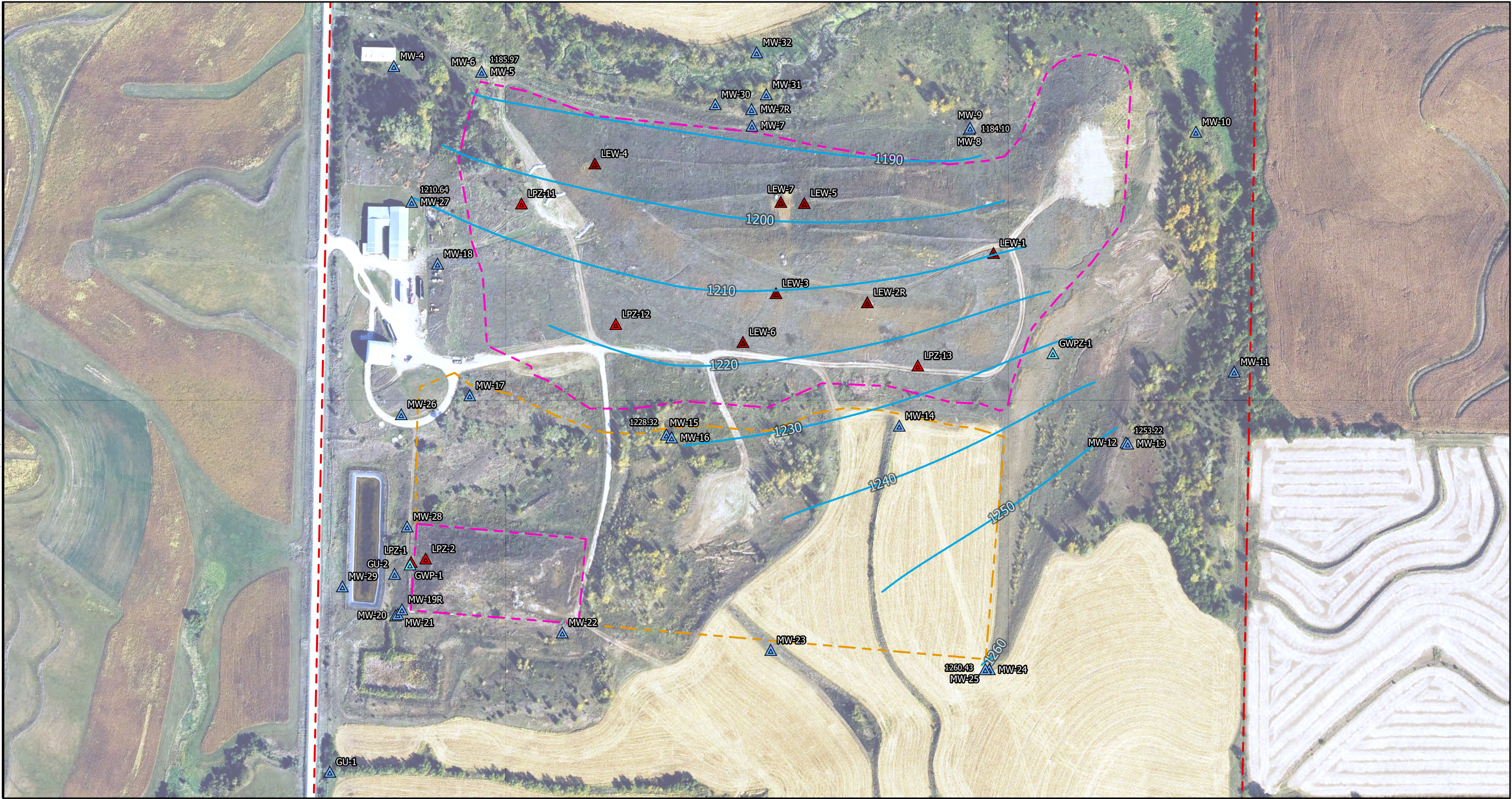


Figure 2



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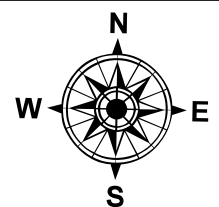


Groundwater Contours - Deep

Legend

Approximate Deep Groundwater Contour Based on Field Measurements Taken May 19-20, 2025	▲ Groundwater Piezometer	— Approximate Waste Boundary
▲ Monitoring Point	▲ Leachate Piezometer	— Property Boundary
	▲ Leachate Extraction Well	
	— Future Waste Boundary	
- *MW-10 Groundwater Elevation was not Considered in Contour Development as MW-10 is Screened in Bedrock.

Montgomery County Sanitary
Landfill
Red Oak, Iowa
Project No: 27225095.02
Drawing Date: February 2026



0 140 280 560 840
Feet

Figure 3



Appendix A

Field Sampling Forms

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-7	Date: 5/19/2025
Gradient: Supplemental	Sampler: Garrett Horak

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	25.9
Initial Static Water Level (feet):	11.78
Initial Groundwater Elevation (ft-amsl):	1195.51
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
2:28 PM	Purging start time.						
2:31 PM	12.6	0.7	2743.5	6.15	286.0	4.5	
2:34 PM	12.7	0.4	2743.6	6.17	267.8	4.5	
2:37 PM	12.6	0.3	2738.6	6.20	246.2	4.6	
2:40 PM	12.7	0.2	2736.2	6.22	227.4	4.6	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.1
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	175.00

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-7R	Date: 5/19/2025
Gradient: Down	Sampler: Garrett Horak

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	21.5
Initial Static Water Level (feet):	8.89
Initial Groundwater Elevation (ft-amsl):	1195.55
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
3:22 PM	Purging start time.						
3:25 PM	12.6	0.6	2306.9	6.47	186.0	3.2	
3:28 PM	12.5	0.3	2291.6	6.47	177.5	3.0	
3:31 PM	12.4	0.3	2288.2	6.47	169.2	3.0	
3:34 PM	12.4	0.2	2286.9	6.46	162.1	3.0	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.2
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	183.33

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-30	Date: 5/20/2025
Gradient: Supplemental	Sampler: Garrett Horak

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	18.1
Initial Static Water Level (feet):	8.55
Initial Groundwater Elevation (ft-amsl):	1193.56
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
12:25 PM	Purging start time.						
12:28 PM	10.6	3.6	777.6	6.84	300.9	60.7	
12:31 PM	10.5	1.1	799.8	6.70	301.8	38.1	
12:34 PM	10.5	0.8	813.0	6.65	302.1	31.6	
12:37 PM	10.5	0.6	825.2	6.62	300.8	25.7	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.0
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	166.67

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Cloudy brown Odor: None

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-31	Date: 5/20/2025
Gradient: Supplemental	Sampler: Garrett Horak

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	18.0
Initial Static Water Level (feet):	7.35
Initial Groundwater Elevation (ft-amsl):	1196.13
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
1:07 PM	Purging start time.						
1:10 PM	11.0	1.1	631.9	6.78	260.2	5.0	
1:13 PM	11.0	0.5	610.4	6.73	243.7	3.9	
1:16 PM	11.0	0.4	608.2	6.71	220.2	4.7	
1:19 PM	11.1	0.3	607.8	6.70	195.1	3.7	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	1.9
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	158.33

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-32	Date: 5/20/2025
Gradient: Supplemental	Sampler: Garrett Horak

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	18.0
Initial Static Water Level (feet):	5.85
Initial Groundwater Elevation (ft-amsl):	1196.50
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
2:00 PM	Purging start time.						
2:03 PM	10.2	0.5	415.7	6.44	123.6	11.1	
2:06 PM	10.1	0.2	428.1	6.32	124.3	9.8	
2:09 PM	10.0	0.1	432.6	6.29	126.1	6.7	
2:12 PM	10.0	0.1	436.0	6.28	128.4	5.8	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.2
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	183.33

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR SURFACE WATER SAMPLING

Site Name Montgomery County Landfill Permit No. 69-SDP-01-74P
 Surface Monitoring Point No. GU-1 Date _____

Name of Person Sampling _____

A. TYPE OF MOINITORING POINT

Stream _____ Open Tile _____
 Road Ditch _____ Tile with Riser _____
 Drainage Ditch _____ Other X

B. PURPOSE OF MONITORING POINT

Upstream _____ Downstream X
 Within Landfill X Other _____

C. MONITORING POINT CONDITIONS

Groundwater underdrain system discharge point for the leachate storage lagoon.

Was monitoring point dry? _____ Too little water to sample? _____
 Was water flowing? _____ If yes, estimate quantity (cfs) _____
 If yes, estimate depth (inches) _____

Was water discolored? _____
 Does water have odor? _____
 Was ground discolored? _____
 Litter present? _____

Comments Pipe may need replaced soon.

D. FIELD MEASUREMENTS

Weather Conditions windy, misty, 55°F

Field Measurements (after stabilization):

Temperature 11.8°C Units Celsius
 Equipment Used YSI ProDS
 pH 7.31 Units Standard units
 Equipment Used _____
 Spec. Conductance 415.3 Units uS/cm
 Equipment Used _____

COMMENTS _____

FORM FOR SURFACE WATER SAMPLING

Site Name	Montgomery County Landfill	Permit No.	69-SDP-01-74P
Surface Monitoring Point No.	GU-2	Date	5/20/2025
Name of Person Sampling	Garrett Horak		

A. TYPE OF MOINITORING POINT

Stream	_____	Open Tile	_____
Road Ditch	_____	Tile with Riser	_____
Drainage Ditch	_____	Other	_____ X

B. PURPOSE OF MONITORING POINT

Upstream		Downstream	X
Within Landfill	X	Other	

C. MONITORING POINT CONDITIONS

Groundwater underdrain system discharge point for the south unit cell.

Was monitoring point dry?	Yes _____	Too little water to sample? _____
Was water flowing?	_____	If yes, estimate quantity (cfs) _____
		If yes, estimate depth (inches) _____

Was water discolored? _____

Does water have odor? _____

Was ground discolored? _____

Litter present? _____

Comments
 Dry

D. FIELD MEASUREMENTS

Weather Conditions _____

Field Measurements (after stabilization):

Temperature	_____	Units	_____ Celsius
Equipment Used	_____		

pH		Units	Standard units
Equipment Used			

Spec. Conductance	_____	Units	_____ uS/cm
Equipment Used	_____		

COMMENTS

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (South)	
Monitoring Well/Piezometer ID: MW-19R	Date: 5/19/2025
Gradient: Down	Sampler: Garrett Horak

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	28.2
Initial Static Water Level (feet):	17.67
Initial Groundwater Elevation (ft-amsl):	1197.85
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
6:08 PM	Purging start time.						
6:11 PM	14.3	7.6	605.3	6.86	249.4	376.4	
6:14 PM	14.2	7.7	596.0	6.78	254.9	116.9	
6:17 PM	14.1	7.7	592.1	6.75	259.1	42.4	
6:20 PM	14.0	7.7	591.0	6.73	262.5	31.2	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	1.9
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	158.33

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None Duplicate sample collected.

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (South)	
Monitoring Well/Piezometer ID: MW-22	Date: 5/19/2025
Gradient: Down	Sampler: Garrett Horak

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	23.7
Initial Static Water Level (feet):	16.95
Initial Groundwater Elevation (ft-amsl):	1226.80
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
7:20 PM	Purging start time.						
7:23 PM	14.1	8.4	697.5	7.22	277.9	7.1	
7:26 PM	14.0	8.3	699.0	7.24	280.1	6.6	
7:29 PM	14.1	8.4	698.7	7.25	282.0	6.7	
7:32 PM	14.0	8.3	698.3	7.26	283.6	6.6	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	1.8
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	150.00

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (South)	
Monitoring Well/Piezometer ID: MW-23	Date: 5/20/2025
Gradient: Up	Sampler: Garrett Horak

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	33.9
Initial Static Water Level (feet):	15.05
Initial Groundwater Elevation (ft-amsl):	1240.46
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
9:44 AM	Purging start time.						
9:47 AM	13.2	7.8	573.1	7.27	269.2	5.5	
9:50 AM	13.0	7.9	561.4	7.28	272.7	5.1	
9:53 AM	13.1	7.9	560.0	7.27	276.0	10.0	
9:56 AM	13.0	7.8	559.8	7.27	278.9	15.3	
9:59 AM	12.9	7.8	560.2	7.26	281.5	17.2	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.3
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	15:00
Average Purge Rate (mL/min):	153.33

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (South)	
Monitoring Well/Piezometer ID: MW-24	Date: 5/20/2025
Gradient: Up	Sampler: Garrett Horak

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	38.5
Initial Static Water Level (feet):	20.71
Initial Groundwater Elevation (ft-amsl):	1260.78
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING							
FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
10:39 AM	Purging start time.						
10:42 AM	12.3	9.1	697.3	7.13	306.5	5.4	
10:45 AM	12.3	9.1	704.3	7.09	308.6	8.5	
10:48 AM	12.2	9.1	704.4	7.08	310.5	13.1	
10:51 AM	12.2	9.1	704.1	7.07	312.0	6.0	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.0
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	166.67

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (South)	
Monitoring Well/Piezometer ID: MW-28	Date: 5/19/2025
Gradient: Down	Sampler: Garrett Horak

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	23.1
Initial Static Water Level (feet):	18.32
Initial Groundwater Elevation (ft-amsl):	1198.63
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
5:21 PM	Purging start time.						
5:24 PM	14.9	2.9	1076.5	6.68	241.0	5.1	
5:27 PM	15.1	2.5	1021.4	6.56	244.9	4.6	
5:30 PM	15.0	2.4	1004.7	6.53	247.3	4.7	
5:33 PM	14.9	2.4	1002.4	6.50	248.5	4.6	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	1.8
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	150.00

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (South)	
Monitoring Well/Piezometer ID: MW-29	Date: 5/20/2025
Gradient: Down	Sampler: Garrett Horak

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	27.7
Initial Static Water Level (feet):	13.40
Initial Groundwater Elevation (ft-amsl):	1192.99
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
8:53 AM	Purging start time.						
8:56 AM	13.2	1.9	815.1	6.75	201.1	8.1	
8:59 AM	13.0	1.3	819.8	6.63	212.0	5.2	
9:02 AM	12.8	1.3	817.6	6.59	219.8	4.5	
9:05 AM	13.2	1.3	814.9	6.57	225.2	4.1	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	13.5
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	1126.67

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-4	Date: 11/25/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	28.0
Initial Static Water Level (feet):	13.02
Initial Groundwater Elevation (ft-amsl):	1192.07
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
1:00 PM	Purging start time.						
1:03 PM	12.8	3.9	593.2	7.35	62.0	5.5	
1:06 PM	12.4	2.9	544.2	7.38	56.7	10.7	
1:09 PM	12.3	2.5	529.8	7.38	54.4	16.9	
1:12 PM	12.2	2.3	527.5	7.38	53.1	15.5	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	1.9
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	158.33

D. WELL MAINTENANCE	
Does the well require any future maintenance?	Yes
If yes, explain:	Lock needed
Additional Comments:	Color: Clear Odor: None Lock rusted so as the key wouldn't open. Lock was cut.

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-5	Date: 11/25/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	21.3
Initial Static Water Level (feet):	12.08
Initial Groundwater Elevation (ft-amsl):	1186.97
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
12:04 PM	Purging start time.						
12:07 PM	12.2	2.1	985.5	6.45	81.0	3.5	
12:10 PM	12.3	1.0	985.3	6.44	82.9	3.2	
12:13 PM	12.3	0.6	979.7	6.45	82.5	2.9	
12:16 PM	12.2	0.5	964.1	6.47	81.2	3.0	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.4
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	200.00

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-6	Date: 11/25/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	41.6
Initial Static Water Level (feet):	13.71
Initial Groundwater Elevation (ft-amsl):	1185.10
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
11:33 AM	Purging start time.						
11:36 AM	11.2	2.6	769.4	6.98	-41.9	5.0	
11:39 AM	11.1	1.2	782.4	6.96	-15.3	4.0	
11:42 AM	11.2	0.8	783.4	6.96	0.2	4.8	
11:45 AM	11.2	0.6	783.2	6.96	9.6	4.6	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.3
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	191.67

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-7	Date: 11/25/2025
Gradient: Supplemental	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	25.8
Initial Static Water Level (feet):	12.05
Initial Groundwater Elevation (ft-amsl):	1195.24
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
9:29 AM	Purging start time.						
9:32 AM	14.1	2.0	2744.3	6.08	16.2	4.8	
9:35 AM	14.1	1.1	2751.6	6.12	18.8	2.8	
9:38 AM	14.2	0.7	2706.6	6.15	16.6	2.8	
9:41 AM	14.2	0.5	2652.1	6.17	13.8	3.0	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.5
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	208.33

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: Slight candy smell

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-7R	Date: 11/25/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	21.5
Initial Static Water Level (feet):	9.08
Initial Groundwater Elevation (ft-amsl):	1195.36
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
10:07 AM	Purging start time.						
10:10 AM	13.1	2.4	2503.8	6.38	33.8	3.2	
10:13 AM	13.2	1.2	2486.8	6.39	38.7	2.6	
10:16 AM	13.2	0.8	2444.2	6.39	39.8	2.5	
10:19 AM	13.3	0.6	2410.7	6.39	38.9	2.6	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.1
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	175.00

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: floral

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-8	Date: 11/25/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	55.6
Initial Static Water Level (feet):	39.55
Initial Groundwater Elevation (ft-amsl):	1186.50
Equipment Used:	Dedicated Submersible

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
8:38 AM	Purging start time.						
8:41 AM	12.1	2.6	781.7	7.40	-130.5	5.0	
8:44 AM	12.4	1.3	778.3	7.37	-137.3	4.4	
8:47 AM	12.6	1.0	781.4	7.38	-142.4	4.1	
8:50 AM	12.9	0.9	781.8	7.39	-142.9	4.0	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.2
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	183.33

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: Sulfur

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-9	Date: 11/25/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	30.1
Initial Static Water Level (feet):	15.52
Initial Groundwater Elevation (ft-amsl):	1210.47
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
8:07 AM	Purging start time.						
8:10 AM	14.1	5.8	875.6	7.40	126.2	12.7	
8:13 AM	14.1	4.9	898.0	7.35	129.3	10.5	
8:16 AM	14.1	4.6	901.9	7.33	131.7	20.0	
8:19 AM	14.3	4.5	901.3	7.33	133.2	30.9	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.2
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	183.33

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-11	Date: 11/24/2025
Gradient: Up	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	27.1
Initial Static Water Level (feet):	8.41
Initial Groundwater Elevation (ft-amsl):	1231.38
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
3:14 PM	Purging start time.						
3:17 PM	12.1	3.2	573.4	7.23	42.0	9.4	
3:20 PM	12.1	1.6	578.9	7.21	37.1	4.0	
3:23 PM	12.2	1.3	580.1	7.20	35.4	3.3	
3:26 PM	12.2	1.0	580.6	7.20	34.9	4.3	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.1
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	175.00

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-12	Date: 11/24/2025
Gradient: Up	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	59.8
Initial Static Water Level (feet):	29.11
Initial Groundwater Elevation (ft-amsl):	1249.70
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
2:13 PM	Purging start time.						
2:16 PM	12.7	8.0	637.7	7.12	22.5	7.1	
2:19 PM	12.6	7.7	585.6	7.11	28.2	5.9	
2:22 PM	12.6	7.6	532.6	7.11	34.2	6.0	
2:25 PM	12.6	7.6	506.9	7.10	40.2	6.4	
2:28 PM	12.6	7.5	499.4	7.10	45.2	6.7	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	1.6
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	15:00
Average Purge Rate (mL/min):	106.67

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-13	Date: 11/24/2025
Gradient: Up	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped?	Yes
Litter/Standing Water?	No

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	26.0
Initial Static Water Level (feet):	Dry
Initial Groundwater Elevation (ft-amsl):	NA
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
	Purging start time.						
	Parameters stabilized, sample collected.						

Quantity of Water Removed from Well (liters):	0.0
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	NA
Average Purge Rate (mL/min):	0.00

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Well was dry, no sample.

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-14	Date: 11/24/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	31.8
Initial Static Water Level (feet):	23.82
Initial Groundwater Elevation (ft-amsl):	1250.49
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
1:14 PM	Purging start time.						
1:17 PM	12.4	3.2	1161.3	6.43	-43.1	10.2	
1:20 PM	12.4	2.3	1198.4	6.40	-20.7	8.5	
1:23 PM	12.4	2.0	1203.4	6.40	-5.5	7.9	
1:26 PM	12.3	1.9	1204.3	6.39	5.2	5.5	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	1.5
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	125.00

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: Slight organic

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-15	Date: 11/24/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	57.3
Initial Static Water Level (feet):	14.45
Initial Groundwater Elevation (ft-amsl):	1224.04
Equipment Used:	Dedicated Submersible

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
12:25 PM	Purging start time.						
12:28 PM	12.0	2.6	967.5	7.22	-93.3	6.6	
12:31 PM	11.8	1.6	883.8	7.29	-136.2	4.7	
12:34 PM	12.1	0.9	796.8	7.38	-164.5	4.0	
12:37 PM	11.9	0.7	781.0	7.42	-186.1	3.8	
12:40 PM	11.9	0.6	771.7	7.44	-199.0	4.9	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	1.9
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	15:00
Average Purge Rate (mL/min):	126.67

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: Slight sulfur

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-16	Date: 11/24/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	31.8
Initial Static Water Level (feet):	11.02
Initial Groundwater Elevation (ft-amsl):	1227.47
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
11:44 AM	Purging start time.						
11:47 AM	12.4	2.6	1812.0	6.30	185.8	4.4	
11:50 AM	12.2	1.3	1840.0	6.26	190.2	4.0	
11:53 AM	12.2	0.9	1838.0	6.27	190.2	4.3	
11:56 AM	12.2	0.7	1835.2	6.29	189.5	4.0	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	1.8
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	150.00

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None Initial purge water had detritus present.

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-17	Date: 11/25/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped?	Yes
Litter/Standing Water?	No

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	37.9
Initial Static Water Level (feet):	Dry
Initial Groundwater Elevation (ft-amsl):	NA
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
	Purging start time.						
	Parameters stabilized, sample collected.						

Quantity of Water Removed from Well (liters):	0.0
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	NA
Average Purge Rate (mL/min):	0.00

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	No water above top of pump. Pump was removed to measure total depth and well was dry.

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-27	Date: 11/24/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped?	Yes
Litter/Standing Water?	No

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	45.2
Initial Static Water Level (feet):	39.43
Initial Groundwater Elevation (ft-amsl):	1207.28
Equipment Used:	Non-Dedicated Submersible

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
4:29 PM	Purging start time.						
4:32 PM	12.4	3.4	421.3	6.46	51.4	247.9	
4:35 PM	13.0	2.3	417.0	6.39	59.2	198.1	
4:38 PM	12.9	2.1	417.2	6.37	64.2	324.6	
4:41 PM	13.0	3.4	415.4	6.38	68.8	403.1	
4:44 PM	12.8	2.3	414.6	6.36	74.2	364.5	
4:47 PM	13.2	2.2	412.3	6.35	79.8	313.7	
4:50 PM	13.4	2.2	411.2	6.34	84.4	384.8	
4:53 PM	13.5	2.3	410.1	6.34	88.1	303.1	
4:56 PM	13.4	2.4	407.2	6.34	91.4	202.8	
4:59 PM	13.5	2.6	402.9	6.34	94.7	102.8	
5:02 PM	13.5	3.0	399.9	6.33	98.9	41.4	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	6.6
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	33:00
Average Purge Rate (mL/min):	200.00

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Brown tint Odor: None Dedicated submersible pump was working but couldn't maintain flow. Used a non-dedicated submersible pump to sample. High turbidity, purge was continued post stabilization parameters being met. Duplicate sample collected.

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (North)	
Monitoring Well/Piezometer ID: MW-31	Date: 11/25/2025
Gradient: Supplemental	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	18.0
Initial Static Water Level (feet):	7.74
Initial Groundwater Elevation (ft-amsl):	1195.74
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
10:46 AM	Purging start time.						
10:49 AM	13.3	2.2	651.2	6.89	-7.5	3.9	
10:52 AM	13.4	1.1	576.5	6.87	-9.1	3.0	
10:55 AM	13.4	0.7	558.2	6.86	-9.1	3.3	
10:58 AM	13.3	0.5	555.0	6.85	-6.4	2.7	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.4
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	200.00

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: Slight organic No lock on well, lock was installed.

FORM FOR SURFACE WATER SAMPLING

Site Name Montgomery County Landfill Permit No. 69-SDP-01-74P
 Surface Monitoring Point No. GU-1 Date 12/9/25

Name of Person Sampling Michael Mayan

A. TYPE OF MONITORING POINT

Stream _____ Open Tile _____
 Road Ditch _____ Tile with Riser _____
 Drainage Ditch _____ Other X

B. PURPOSE OF MONITORING POINT

Upstream _____ Downstream X
 Within Landfill X Other _____

C. MONITORING POINT CONDITIONS

Groundwater underdrain system discharge point for the leachate storage lagoon.

Was monitoring point dry? No Too little water to sample? No
 Was water flowing? Yes If yes, estimate quantity (cfs) 350 ml/min
 If yes, estimate depth (inches) ~2 in

Was water discolored? _____
 Does water have odor? _____
 Was ground discolored? No
 Litter present? No

Comments color = clear odor = none
Sample collected 13:42

D. FIELD MEASUREMENTS

Weather Conditions 3°C, cloudy, wind 7 mph SW

Field Measurements (after stabilization):

Temperature 8.6 Units Celsius
 Equipment Used _____
 pH 8.08 Units Standard units
 Equipment Used _____
 Spec. Conductance 505 Units uS/cm
 Equipment Used _____

COMMENTS ORP = 136.2 mV 4.46 NTU 10.46 DO mg/L

Site Name	Montgomery County Landfill	Permit No.	69-SDP-01-74P
Surface Monitoring Point No.	GU-2	Date	12/9/2025
Name of Person Sampling	Michael Morgan		

Stream	_____	Open Tile	_____
Road Ditch	_____	Tile with Riser	_____
Drainage Ditch	_____	Other	_____ X

Upstream		Downstream	X
Within Landfill	X	Other	

Groundwater underdrain system discharge point for the south unit cell.

Was water discolored? _____

Does water have odor? _____

Was ground discolored? _____

Litter present? _____

Comments
Monitoring point dry, no sample

Weather Conditions _____

Temperature		Units	Celsius
Equipment Used			
pH		Units	Standard units
Equipment Used			
Spec. Conductance		Units	uS/cm
Equipment Used			

COMMENTS

IDNR Form 542-1324

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (South)	
Monitoring Well/Piezometer ID: MW-19R	Date: 12/9/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? Yes	Snow

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	28.1
Initial Static Water Level (feet):	20.28
Initial Groundwater Elevation (ft-amsl):	1195.24
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
3:12 PM	Purging start time.						
3:15 PM	11.7	7.4	562.2	6.99	161.1	407.5	
3:18 PM	11.8	7.1	561.0	6.94	165.0	240.2	
3:21 PM	11.9	7.0	558.6	6.90	167.9	125.2	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	1.6
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	133.33

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Brown tint Odor: None Initial high turbidity that reduced over time. Duplicate sample collected.

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (South)	
Monitoring Well/Piezometer ID: MW-22	Date: 12/9/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? Yes	Snow

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	23.8
Initial Static Water Level (feet):	18.88
Initial Groundwater Elevation (ft-amsl):	1224.87
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
12:49 PM	Purging start time.						
12:52 PM	11.9	7.7	628.1	7.09	157.6	4.2	
12:55 PM	12.1	7.1	646.6	7.05	160.8	3.4	
12:58 PM	12.1	6.9	649.5	7.05	162.3	3.2	
1:01 PM	12.1	6.9	650.3	7.04	163.6	3.4	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	1.7
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	141.67

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

[illegible]

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (South)	
Monitoring Well/Piezometer ID: MW-24	Date: 12/9/2025
Gradient: Up	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? Yes	Snow

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	38.5
Initial Static Water Level (feet):	21.50
Initial Groundwater Elevation (ft-amsl):	1259.99
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
11:15 AM	Purging start time.						
11:18 AM	10.7	9.1	669.3	6.80	178.0	5.3	
11:21 AM	10.4	9.0	632.0	6.74	181.7	7.7	
11:24 AM	10.2	8.9	621.1	6.74	183.1	12.4	
11:27 AM	10.1	8.9	617.0	6.74	183.8	17.8	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	1.3
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	108.33

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (South)	
Monitoring Well/Piezometer ID: MW-28	Date: 12/9/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? Yes	Snow

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	23.1
Initial Static Water Level (feet):	19.41
Initial Groundwater Elevation (ft-amsl):	1197.54
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
4:55 PM	Purging start time.						
4:58 PM	10.9	3.7	917.1	6.41	176.1	62.9	
5:01 PM	11.1	2.3	926.7	6.38	179.1	46.1	
5:04 PM	11.0	1.9	931.7	6.38	180.3	36.5	
5:07 PM	11.1	1.7	936.9	6.37	181.5	32.9	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	1.5
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	125.00

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Brown tint Odor: None Fine particulate present.

FORM FOR GROUNDWATER SAMPLING

Project: Montgomery County Sanitary Landfill (South)	
Monitoring Well/Piezometer ID: MW-29	Date: 12/9/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? Yes	Snow

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	27.6
Initial Static Water Level (feet):	13.85
Initial Groundwater Elevation (ft-amsl):	1192.54
Equipment Used:	Non-Dedicated Submersible

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
4:16 PM	Purging start time.						
4:19 PM	11.6	5.4	746.3	6.57	173.6	51.3	
4:22 PM	12.6	3.4	763.4	6.50	178.2	44.7	
4:25 PM	12.8	2.7	766.3	6.50	179.6	47.9	
4:28 PM	12.4	2.4	767.4	6.50	180.9	45.0	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.8
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	233.33

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: Brown tint Odor: Slightly earthy Could not draw water using Peristaltic Pump. Pulled up and inspected tubing but found no blockages or punctures. Sampled using a Non-dedicated Submersible Pump.

Appendix B-1
Laboratory Analytical Data Sheets

ANALYTICAL REPORT

PREPARED FOR

Attn: Sean Marczewski
SCS Engineers
1690 All State Court
Suite 100
West Des Moines, Iowa 50265

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JOB DESCRIPTION

1st 2025 Semi-Annual Sampling (HMSP)
Montgomery County Sanitary Landfill (Supplemental)

JOB NUMBER

310-306966-1

Eurofins Cedar Falls

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Samuel Miller, Project Management Assistant I
Samuel.Miller@et.eurofinsus.com
(319)595-2008

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Case Narrative

Client: SCS Engineers
Project: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306966-1

Job ID: 310-306966-1

Eurofins Cedar Falls

Job Narrative 310-306966-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/21/2025 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

Pesticides

Method 8081B: Surrogate recovery for the following sample was outside control limits: MW-32 (310-306966-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Sample Summary

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306966-1
SDG: Montgomery County Sanitary Landfill (Supplemental)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-306966-1	MW-7	Ground Water	05/19/25 14:56	05/21/25 16:00
310-306966-2	MW-30	Ground Water	05/20/25 12:52	05/21/25 16:00
310-306966-3	MW-31	Ground Water	05/20/25 13:45	05/21/25 16:00
310-306966-4	MW-32	Ground Water	05/20/25 14:23	05/21/25 16:00



Detection Summary

Client: SCS Engineers

Job ID: 310-306966-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (Supplemental)

Client Sample ID: MW-7

Lab Sample ID: 310-306966-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	10.9		5.00		mg/L	5		9056A	Total/NA
Barium	2.22		0.00200		mg/L	1		6020B	Total/NA
Iron	0.269		0.100		mg/L	1		6020B	Total/NA
Manganese	3.92		0.0100		mg/L	1		6020B	Total/NA
Nickel	0.154		0.00500		mg/L	1		6020B	Total/NA
Chemical Oxygen Demand	44.7		25.0		mg/L	5		SM 5220D	Total/NA

Client Sample ID: MW-30

Lab Sample ID: 310-306966-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.334		0.00200		mg/L	1		6020B	Total/NA
Nickel	0.0190		0.00500		mg/L	1		6020B	Total/NA
Total Suspended Solids	24.3		3.8		mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-31

Lab Sample ID: 310-306966-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	13.4		5.00		mg/L	5		9056A	Total/NA
Barium	0.319		0.00200		mg/L	1		6020B	Total/NA
Iron	0.103		0.100		mg/L	1		6020B	Total/NA
Manganese	1.99		0.0100		mg/L	1		6020B	Total/NA
Nickel	0.0278		0.00500		mg/L	1		6020B	Total/NA

Client Sample ID: MW-32

Lab Sample ID: 310-306966-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.240		0.00200		mg/L	1		6020B	Total/NA
Nickel	0.00782		0.00500		mg/L	1		6020B	Total/NA
Total Suspended Solids	3.8		1.9		mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306966-1
SDG: Montgomery County Sanitary Landfill (Supplemental)

Client Sample ID: MW-7

Lab Sample ID: 310-306966-1

Date Collected: 05/19/25 14:56

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0904		0.0904		ug/L		05/22/25 13:17	05/28/25 19:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	71		10 - 150				05/22/25 13:17	05/28/25 19:29	1
Tetrachloro-m-xylene (Surr)	115		17 - 150				05/22/25 13:17	05/28/25 19:29	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	10.9		5.00		mg/L			05/28/25 15:07	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	2.22		0.00200		mg/L		05/27/25 09:00	05/29/25 18:42	1
Iron	0.269		0.100		mg/L		05/27/25 09:00	05/29/25 18:42	1
Manganese	3.92		0.0100		mg/L		05/27/25 09:00	06/02/25 13:34	1
Nickel	0.154		0.00500		mg/L		05/27/25 09:00	06/02/25 13:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			05/22/25 15:05	1
Chemical Oxygen Demand (SM 5220D)	44.7		25.0		mg/L			05/29/25 11:20	5

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306966-1
SDG: Montgomery County Sanitary Landfill (Supplemental)

Client Sample ID: MW-30

Lab Sample ID: 310-306966-2

Date Collected: 05/20/25 12:52

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0897		0.0897		ug/L		05/22/25 13:17	05/28/25 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	60		10 - 150				05/22/25 13:17	05/28/25 19:42	1
Tetrachloro-m-xylene (Surr)	104		17 - 150				05/22/25 13:17	05/28/25 19:42	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.334		0.00200		mg/L		05/27/25 09:00	05/29/25 18:45	1
Nickel	0.0190		0.00500		mg/L		05/27/25 09:00	06/02/25 13:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	24.3		3.8		mg/L			05/23/25 09:16	1

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306966-1
SDG: Montgomery County Sanitary Landfill (Supplemental)

Client Sample ID: MW-31

Lab Sample ID: 310-306966-3

Date Collected: 05/20/25 13:45

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0900		0.0900		ug/L		05/22/25 13:17	05/28/25 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	50		10 - 150				05/22/25 13:17	05/28/25 19:55	1
Tetrachloro-m-xylene (Surr)	74		17 - 150				05/22/25 13:17	05/28/25 19:55	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	13.4		5.00		mg/L			05/28/25 15:23	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.319		0.00200		mg/L		05/27/25 09:00	05/29/25 18:48	1
Iron	0.103		0.100		mg/L		05/27/25 09:00	05/29/25 18:48	1
Manganese	1.99		0.0100		mg/L		05/27/25 09:00	06/02/25 13:39	1
Nickel	0.0278		0.00500		mg/L		05/27/25 09:00	06/02/25 13:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			05/23/25 07:53	1
Chemical Oxygen Demand (SM 5220D)	<25.0		25.0		mg/L			05/29/25 11:20	5

Client Sample Results

Client: SCS Engineers

Job ID: 310-306966-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (Supplemental)

Client Sample ID: MW-32

Lab Sample ID: 310-306966-4

Date Collected: 05/20/25 14:23

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0907		0.0907		ug/L		05/22/25 13:17	05/28/25 20:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	104		10 - 150				05/22/25 13:17	05/28/25 20:07	1
Tetrachloro-m-xylene (Surr)	154	S1+	17 - 150				05/22/25 13:17	05/28/25 20:07	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.240		0.00200		mg/L		05/27/25 09:00	05/29/25 18:51	1
Nickel	0.00782		0.00500		mg/L		05/27/25 09:00	06/02/25 13:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	3.8		1.9		mg/L			05/23/25 07:53	1

Definitions/Glossary

Client: SCS Engineers

Job ID: 310-306966-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (Supplemental)

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306966-1
SDG: Montgomery County Sanitary Landfill (Supplemental)

Method: 8081B - Organochlorine Pesticides (GC)
Matrix: Ground Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB2 (10-150)	TCX2 (17-150)
310-306966-1	MW-7	71	115
310-306966-2	MW-30	60	104
310-306966-3	MW-31	50	74
310-306966-4	MW-32	104	154 S1+
Surrogate Legend			
DCB = DCB Decachlorobiphenyl (Surr)			
TCX = Tetrachloro-m-xylene (Surr)			

Method: 8081B - Organochlorine Pesticides (GC)
Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB2 (10-150)	TCX2 (17-150)
LCS 310-455488/2-A	Lab Control Sample	60	66
MB 310-455488/1-A	Method Blank	57	54
Surrogate Legend			
DCB = DCB Decachlorobiphenyl (Surr)			
TCX = Tetrachloro-m-xylene (Surr)			

QC Sample Results

Client: SCS Engineers

Job ID: 310-306966-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (Supplemental)

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 310-455488/1-A

Matrix: Water

Analysis Batch: 455989

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 455488

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0989		0.0989		ug/L		05/22/25 13:17	05/28/25 17:32	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	57		10 - 150				05/22/25 13:17	05/28/25 17:32	1
Tetrachloro-m-xylene (Surr)	54		17 - 150				05/22/25 13:17	05/28/25 17:32	1

Lab Sample ID: LCS 310-455488/2-A

Matrix: Water

Analysis Batch: 455989

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 455488

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
beta-BHC	2.79	2.012		ug/L		72	53 - 145
Surrogate	%Recovery	LCS Qualifier	Limits				
DCB Decachlorobiphenyl (Surr)	60		10 - 150				
Tetrachloro-m-xylene (Surr)	66		17 - 150				

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-456112/3

Matrix: Water

Analysis Batch: 456112

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<1.00		1.00		mg/L			05/28/25 13:34	1

Lab Sample ID: LCS 310-456112/4

Matrix: Water

Analysis Batch: 456112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	10.65		mg/L		107	90 - 110

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-455679/1-A

Matrix: Water

Analysis Batch: 456144

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 455679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 17:33	1
Iron	<0.100		0.100		mg/L		05/27/25 09:00	05/29/25 17:33	1

Lab Sample ID: MB 310-455679/1-A

Matrix: Water

Analysis Batch: 456366

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 455679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.0100		0.0100		mg/L		05/27/25 09:00	06/02/25 12:53	1

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QC Sample Results

Client: SCS Engineers

Job ID: 310-306966-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (Supplemental)

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-455679/1-A

Matrix: Water

Analysis Batch: 456366

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 455679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 12:53	1

Lab Sample ID: LCS 310-455679/2-A

Matrix: Water

Analysis Batch: 456144

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 455679

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.100	0.1032		mg/L		103	80 - 120
Iron	0.200	0.1904		mg/L		95	80 - 120

Lab Sample ID: LCS 310-455679/2-A

Matrix: Water

Analysis Batch: 456366

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 455679

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.100	0.09955		mg/L		100	80 - 120
Nickel	0.200	0.2036		mg/L		102	80 - 120

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-455500/1

Matrix: Water

Analysis Batch: 455500

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			05/22/25 15:05	1

Lab Sample ID: LCS 310-455500/2

Matrix: Water

Analysis Batch: 455500

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	99.00		mg/L		99	81 - 116

Lab Sample ID: MB 310-455550/1

Matrix: Water

Analysis Batch: 455550

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			05/23/25 07:53	1

Lab Sample ID: LCS 310-455550/2

Matrix: Water

Analysis Batch: 455550

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	101.0		mg/L		101	81 - 116

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QC Sample Results

Client: SCS Engineers

Job ID: 310-306966-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (Supplemental)

Method: I-3765-85 - Residue, Non-filterable (TSS) (Continued)

Lab Sample ID: MB 310-455571/1

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455571

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			05/23/25 09:16	1

Lab Sample ID: LCS 310-455571/2

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	114.0		mg/L		114	81 - 116

Method: SM 5220D - COD

Lab Sample ID: MB 310-456074/60

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 456074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<5.00		5.00		mg/L			05/29/25 11:20	1

Lab Sample ID: LCS 310-456074/63

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 456074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	125	123.2		mg/L		98	85 - 110

QC Association Summary

Client: SCS Engineers

Job ID: 310-306966-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (Supplemental)

GC Semi VOA

Prep Batch: 455488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306966-1	MW-7	Total/NA	Ground Water	3511	
310-306966-2	MW-30	Total/NA	Ground Water	3511	
310-306966-3	MW-31	Total/NA	Ground Water	3511	
310-306966-4	MW-32	Total/NA	Ground Water	3511	
MB 310-455488/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-455488/2-A	Lab Control Sample	Total/NA	Water	3511	

Analysis Batch: 455989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306966-1	MW-7	Total/NA	Ground Water	8081B	455488
310-306966-2	MW-30	Total/NA	Ground Water	8081B	455488
310-306966-3	MW-31	Total/NA	Ground Water	8081B	455488
310-306966-4	MW-32	Total/NA	Ground Water	8081B	455488
MB 310-455488/1-A	Method Blank	Total/NA	Water	8081B	455488
LCS 310-455488/2-A	Lab Control Sample	Total/NA	Water	8081B	455488

HPLC/IC

Analysis Batch: 456112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306966-1	MW-7	Total/NA	Ground Water	9056A	
310-306966-3	MW-31	Total/NA	Ground Water	9056A	
MB 310-456112/3	Method Blank	Total/NA	Water	9056A	
LCS 310-456112/4	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 455679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306966-1	MW-7	Total/NA	Ground Water	3005A	
310-306966-2	MW-30	Total/NA	Ground Water	3005A	
310-306966-3	MW-31	Total/NA	Ground Water	3005A	
310-306966-4	MW-32	Total/NA	Ground Water	3005A	
MB 310-455679/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-455679/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 456144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306966-1	MW-7	Total/NA	Ground Water	6020B	455679
310-306966-2	MW-30	Total/NA	Ground Water	6020B	455679
310-306966-3	MW-31	Total/NA	Ground Water	6020B	455679
310-306966-4	MW-32	Total/NA	Ground Water	6020B	455679
MB 310-455679/1-A	Method Blank	Total/NA	Water	6020B	455679
LCS 310-455679/2-A	Lab Control Sample	Total/NA	Water	6020B	455679

Analysis Batch: 456366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306966-1	MW-7	Total/NA	Ground Water	6020B	455679
310-306966-2	MW-30	Total/NA	Ground Water	6020B	455679
310-306966-3	MW-31	Total/NA	Ground Water	6020B	455679
310-306966-4	MW-32	Total/NA	Ground Water	6020B	455679
MB 310-455679/1-A	Method Blank	Total/NA	Water	6020B	455679

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QC Association Summary

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306966-1
SDG: Montgomery County Sanitary Landfill (Supplemental)

Metals (Continued)

Analysis Batch: 456366 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-455679/2-A	Lab Control Sample	Total/NA	Water	6020B	455679

General Chemistry

Analysis Batch: 455500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306966-1	MW-7	Total/NA	Ground Water	I-3765-85	
MB 310-455500/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-455500/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 455550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306966-3	MW-31	Total/NA	Ground Water	I-3765-85	
310-306966-4	MW-32	Total/NA	Ground Water	I-3765-85	
MB 310-455550/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-455550/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 455571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306966-2	MW-30	Total/NA	Ground Water	I-3765-85	
MB 310-455571/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-455571/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 456074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306966-1	MW-7	Total/NA	Ground Water	SM 5220D	
310-306966-3	MW-31	Total/NA	Ground Water	SM 5220D	
MB 310-456074/60	Method Blank	Total/NA	Water	SM 5220D	
LCS 310-456074/63	Lab Control Sample	Total/NA	Water	SM 5220D	

Lab Chronicle

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306966-1
SDG: Montgomery County Sanitary Landfill (Supplemental)

Client Sample ID: MW-7

Lab Sample ID: 310-306966-1

Date Collected: 05/19/25 14:56

Matrix: Ground Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3511			455488	BW2O	EET CF	05/22/25 13:17
Total/NA	Analysis	8081B		1	455989	BW2O	EET CF	05/28/25 19:29
Total/NA	Analysis	9056A		5	456112	QTZ5	EET CF	05/28/25 15:07
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456366	NFT2	EET CF	06/02/25 13:34
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456144	NFT2	EET CF	05/29/25 18:42
Total/NA	Analysis	I-3765-85		1	455500	WZC8	EET CF	05/22/25 15:05
Total/NA	Analysis	SM 5220D		5	456074	ENB7	EET CF	05/29/25 11:20

Client Sample ID: MW-30

Lab Sample ID: 310-306966-2

Date Collected: 05/20/25 12:52

Matrix: Ground Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3511			455488	BW2O	EET CF	05/22/25 13:17
Total/NA	Analysis	8081B		1	455989	BW2O	EET CF	05/28/25 19:42
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456366	NFT2	EET CF	06/02/25 13:36
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456144	NFT2	EET CF	05/29/25 18:45
Total/NA	Analysis	I-3765-85		1	455571	DGU1	EET CF	05/23/25 09:16

Client Sample ID: MW-31

Lab Sample ID: 310-306966-3

Date Collected: 05/20/25 13:45

Matrix: Ground Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3511			455488	BW2O	EET CF	05/22/25 13:17
Total/NA	Analysis	8081B		1	455989	BW2O	EET CF	05/28/25 19:55
Total/NA	Analysis	9056A		5	456112	QTZ5	EET CF	05/28/25 15:23
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456366	NFT2	EET CF	06/02/25 13:39
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456144	NFT2	EET CF	05/29/25 18:48
Total/NA	Analysis	I-3765-85		1	455550	DGU1	EET CF	05/23/25 07:53
Total/NA	Analysis	SM 5220D		5	456074	ENB7	EET CF	05/29/25 11:20

Client Sample ID: MW-32

Lab Sample ID: 310-306966-4

Date Collected: 05/20/25 14:23

Matrix: Ground Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3511			455488	BW2O	EET CF	05/22/25 13:17
Total/NA	Analysis	8081B		1	455989	BW2O	EET CF	05/28/25 20:07

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers

Job ID: 310-306966-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (Supplemental)

Client Sample ID: MW-32

Lab Sample ID: 310-306966-4

Date Collected: 05/20/25 14:23

Matrix: Ground Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456366	NFT2	EET CF	06/02/25 13:41
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456144	NFT2	EET CF	05/29/25 18:51
Total/NA	Analysis	I-3765-85		1	455550	DGU1	EET CF	05/23/25 07:53

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

Accreditation/Certification Summary

Client: SCS Engineers

Job ID: 310-306966-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (Supplemental)

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

- 1
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Method Summary

Client: SCS Engineers

Job ID: 310-306966-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (Supplemental)

Method	Method Description	Protocol	Laboratory
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
9056A	Anions, Ion Chromatography	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
SM 5220D	COD	SM	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401



Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client. <u>SCS</u>			
City/State	CITY <u>West</u> <u>DSM</u>	STATE <u>IA</u>	Project:
Receipt Information			
Date/Time Received.	DATE <u>5/21/25</u>	TIME <u>1600</u>	Received By. <u>BP</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other. _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes. Cooler ID: _____			
Multiple Coolers? ☐ Yes ☒ No If yes: Cooler # _____ of _____			
Cooler Custody Seals Present? ☐ Yes ☒ No If yes. Cooler custody seals intact? ☐ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes. Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☐ Yes ☒ No If yes Which VOA samples are in cooler? ↓			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>2</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):		Corrected Temp (°C):	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1 <u>p1 250ml HNO₃</u>		CONTAINER 2
Uncorrected Temp (°C):	<u>1.6</u>		
Corrected Temp (°C):	<u>1.6</u>		
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No			
a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-306966-1

SDG Number: Montgomery County Sanitary Landfill (Supplemental)

Login Number: 306966

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Sean Marczewski
SCS Engineers
1690 All State Court
Suite 100
West Des Moines, Iowa 50265

Generated 6/2/2025 4:24:12 PM

JOB DESCRIPTION

Montgomery County Landfill
Montgomery County Sanitary Landfill (North Unit)

JOB NUMBER

310-306965-1

Eurofins Cedar Falls

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Samuel Miller, Project Management Assistant I
Samuel.Miller@et.eurofinsus.com
(319)595-2008

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Case Narrative

Client: SCS Engineers
Project: Montgomery County Landfill

Job ID: 310-306965-1

Job ID: 310-306965-1

Eurofins Cedar Falls

Job Narrative 310-306965-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/21/2025 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C.

GC/MS VOA

Method 8260D: Surrogate recovery for the following samples were outside the upper control limit: MW-7R (310-306965-1) and MW-DN (310-306965-2). This sample did not contain any target analytes; therefore, re-analysis was not performed.

Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container: Trip Blank (310-306965-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Cedar Falls

Sample Summary

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-306965-1	MW-7R	Ground Water	05/19/25 16:12	05/21/25 16:00
310-306965-2	MW-DN	Ground Water	05/19/25 16:12	05/21/25 16:00
310-306965-3	Trip Blank	Water	05/19/25 00:00	05/21/25 16:00

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Detection Summary

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Client Sample ID: MW-7R

Lab Sample ID: 310-306965-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	20.1		5.00		mg/L	5		9056A	Total/NA
Barium	1.35		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.00221		0.000500		mg/L	1		6020B	Total/NA
Manganese	2.70		0.0100		mg/L	1		6020B	Total/NA
Nickel	0.128		0.00500		mg/L	1		6020B	Total/NA
Chemical Oxygen Demand	29.7		25.0		mg/L	5		SM 5220D	Total/NA

Client Sample ID: MW-DN

Lab Sample ID: 310-306965-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	20.0		5.00		mg/L	5		9056A	Total/NA
Barium	1.36		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.00205		0.000500		mg/L	1		6020B	Total/NA
Manganese	2.53		0.0100		mg/L	1		6020B	Total/NA
Nickel	0.128		0.00500		mg/L	1		6020B	Total/NA
Total Suspended Solids	4.7		1.9		mg/L	1		I-3765-85	Total/NA
Chemical Oxygen Demand	29.7		25.0		mg/L	5		SM 5220D	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 310-306965-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Client Sample ID: MW-7R

Lab Sample ID: 310-306965-1

Date Collected: 05/19/25 16:12

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 04:45	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/24/25 04:45	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 04:45	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/24/25 04:45	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/24/25 04:45	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/24/25 04:45	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/24/25 04:45	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/24/25 04:45	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/24/25 04:45	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 04:45	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/24/25 04:45	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/24/25 04:45	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 04:45	1
2-Butanone (MEK)	<10.0		10.0		ug/L			05/24/25 04:45	1
2-Hexanone	<10.0		10.0		ug/L			05/24/25 04:45	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/24/25 04:45	1
Acetone	<10.0		10.0		ug/L			05/24/25 04:45	1
Acrylonitrile	<10.0		10.0		ug/L			05/24/25 04:45	1
Benzene	<0.500		0.500		ug/L			05/24/25 04:45	1
Bromochloromethane	<5.00		5.00		ug/L			05/24/25 04:45	1
Bromodichloromethane	<1.00		1.00		ug/L			05/24/25 04:45	1
Bromoform	<5.00		5.00		ug/L			05/24/25 04:45	1
Bromomethane	<4.00		4.00		ug/L			05/24/25 04:45	1
Carbon disulfide	<1.00		1.00		ug/L			05/24/25 04:45	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/24/25 04:45	1
Chlorobenzene	<1.00		1.00		ug/L			05/24/25 04:45	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/24/25 04:45	1
Chloroethane	<4.00		4.00		ug/L			05/24/25 04:45	1
Chloroform	<3.00		3.00		ug/L			05/24/25 04:45	1
Chloromethane	<3.00		3.00		ug/L			05/24/25 04:45	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 04:45	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 04:45	1
Dibromomethane	<1.00		1.00		ug/L			05/24/25 04:45	1
Ethylbenzene	<1.00		1.00		ug/L			05/24/25 04:45	1
Iodomethane	<10.0		10.0		ug/L			05/28/25 04:23	1
Methylene Chloride	<5.00		5.00		ug/L			05/24/25 04:45	1
Styrene	<1.00		1.00		ug/L			05/24/25 04:45	1
Tetrachloroethene	<1.00		1.00		ug/L			05/24/25 04:45	1
Toluene	<1.00		1.00		ug/L			05/24/25 04:45	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 04:45	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 04:45	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/24/25 04:45	1
Trichloroethene	<1.00		1.00		ug/L			05/24/25 04:45	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/24/25 04:45	1
Vinyl acetate	<10.0		10.0		ug/L			05/24/25 04:45	1
Vinyl chloride	<1.00		1.00		ug/L			05/24/25 04:45	1
Xylenes, Total	<3.00		3.00		ug/L			05/24/25 04:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	113		76 - 130		05/24/25 04:45	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Client Sample ID: MW-7R

Lab Sample ID: 310-306965-1

Date Collected: 05/19/25 16:12

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	131	S1+	76 - 130		05/28/25 04:23	1
Toluene-d8 (Surr)	94		80 - 120		05/24/25 04:45	1
Toluene-d8 (Surr)	95		80 - 120		05/28/25 04:23	1
4-Bromofluorobenzene (Surr)	96		80 - 120		05/24/25 04:45	1
4-Bromofluorobenzene (Surr)	101		80 - 120		05/28/25 04:23	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0893		0.0893		ug/L		05/22/25 13:17	05/28/25 19:03	1
alpha-BHC	<0.0893		0.0893		ug/L		05/22/25 13:17	05/28/25 19:03	1
beta-BHC	<0.0893		0.0893		ug/L		05/22/25 13:17	05/28/25 19:03	1
Endosulfan I	<0.0893		0.0893		ug/L		05/22/25 13:17	05/28/25 19:03	1
Endosulfan sulfate	<0.0893		0.0893		ug/L		05/22/25 13:17	05/28/25 19:03	1
Endrin	<0.0893		0.0893		ug/L		05/22/25 13:17	05/28/25 19:03	1
Endrin aldehyde	<0.0893		0.0893		ug/L		05/22/25 13:17	05/28/25 19:03	1
gamma-BHC (Lindane)	<0.0893		0.0893		ug/L		05/22/25 13:17	05/28/25 19:03	1
Heptachlor	<0.0893		0.0893		ug/L		05/22/25 13:17	05/28/25 19:03	1
Methoxychlor	<0.0893		0.0893		ug/L		05/22/25 13:17	05/28/25 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	80		10 - 150	05/22/25 13:17	05/28/25 19:03	1
Tetrachloro-m-xylene (Surr)	75		17 - 150	05/22/25 13:17	05/28/25 19:03	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	20.1		5.00		mg/L			05/28/25 14:05	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:36	1
Barium	1.35		0.00200		mg/L		05/27/25 09:00	05/29/25 18:36	1
Cadmium	<0.000200		0.000200		mg/L		05/27/25 09:00	05/29/25 18:36	1
Cobalt	0.00221		0.000500		mg/L		05/27/25 09:00	05/29/25 18:36	1
Copper	<0.00500		0.00500		mg/L		05/27/25 09:00	05/29/25 18:36	1
Iron	<0.100		0.100		mg/L		05/27/25 09:00	05/29/25 18:36	1
Lead	<0.000500		0.000500		mg/L		05/27/25 09:00	05/29/25 18:36	1
Manganese	2.70		0.0100		mg/L		05/27/25 09:00	05/29/25 18:36	1
Nickel	0.128		0.00500		mg/L		05/27/25 09:00	05/29/25 18:36	1
Selenium	<0.00500		0.00500		mg/L		05/27/25 09:00	05/29/25 18:36	1
Zinc	<0.0200		0.0200		mg/L		05/27/25 09:00	05/29/25 18:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			05/22/25 15:05	1
Chemical Oxygen Demand (SM 5220D)	29.7		25.0		mg/L			05/29/25 11:20	5

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Client Sample ID: MW-DN

Lab Sample ID: 310-306965-2

Date Collected: 05/19/25 16:12

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 05:08	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/24/25 05:08	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 05:08	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/24/25 05:08	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/24/25 05:08	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/24/25 05:08	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/24/25 05:08	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/24/25 05:08	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/24/25 05:08	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 05:08	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/24/25 05:08	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/24/25 05:08	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 05:08	1
2-Butanone (MEK)	<10.0		10.0		ug/L			05/24/25 05:08	1
2-Hexanone	<10.0		10.0		ug/L			05/24/25 05:08	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/24/25 05:08	1
Acetone	<10.0		10.0		ug/L			05/24/25 05:08	1
Acrylonitrile	<10.0		10.0		ug/L			05/24/25 05:08	1
Benzene	<0.500		0.500		ug/L			05/24/25 05:08	1
Bromochloromethane	<5.00		5.00		ug/L			05/24/25 05:08	1
Bromodichloromethane	<1.00		1.00		ug/L			05/24/25 05:08	1
Bromoform	<5.00		5.00		ug/L			05/24/25 05:08	1
Bromomethane	<4.00		4.00		ug/L			05/24/25 05:08	1
Carbon disulfide	<1.00		1.00		ug/L			05/24/25 05:08	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/24/25 05:08	1
Chlorobenzene	<1.00		1.00		ug/L			05/24/25 05:08	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/24/25 05:08	1
Chloroethane	<4.00		4.00		ug/L			05/24/25 05:08	1
Chloroform	<3.00		3.00		ug/L			05/24/25 05:08	1
Chloromethane	<3.00		3.00		ug/L			05/24/25 05:08	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 05:08	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 05:08	1
Dibromomethane	<1.00		1.00		ug/L			05/24/25 05:08	1
Ethylbenzene	<1.00		1.00		ug/L			05/24/25 05:08	1
Iodomethane	<10.0		10.0		ug/L			05/28/25 04:45	1
Methylene Chloride	<5.00		5.00		ug/L			05/24/25 05:08	1
Styrene	<1.00		1.00		ug/L			05/24/25 05:08	1
Tetrachloroethene	<1.00		1.00		ug/L			05/24/25 05:08	1
Toluene	<1.00		1.00		ug/L			05/24/25 05:08	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 05:08	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 05:08	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/24/25 05:08	1
Trichloroethene	<1.00		1.00		ug/L			05/24/25 05:08	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/24/25 05:08	1
Vinyl acetate	<10.0		10.0		ug/L			05/24/25 05:08	1
Vinyl chloride	<1.00		1.00		ug/L			05/24/25 05:08	1
Xylenes, Total	<3.00		3.00		ug/L			05/24/25 05:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	114		76 - 130		05/24/25 05:08	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Client Sample ID: MW-DN

Lab Sample ID: 310-306965-2

Date Collected: 05/19/25 16:12

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	132	S1+	76 - 130		05/28/25 04:45	1
Toluene-d8 (Surr)	96		80 - 120		05/24/25 05:08	1
Toluene-d8 (Surr)	95		80 - 120		05/28/25 04:45	1
4-Bromofluorobenzene (Surr)	99		80 - 120		05/24/25 05:08	1
4-Bromofluorobenzene (Surr)	100		80 - 120		05/28/25 04:45	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0897		0.0897		ug/L		05/22/25 13:17	05/28/25 19:16	1
alpha-BHC	<0.0897		0.0897		ug/L		05/22/25 13:17	05/28/25 19:16	1
beta-BHC	<0.0897		0.0897		ug/L		05/22/25 13:17	05/28/25 19:16	1
Endosulfan I	<0.0897		0.0897		ug/L		05/22/25 13:17	05/28/25 19:16	1
Endosulfan sulfate	<0.0897		0.0897		ug/L		05/22/25 13:17	05/28/25 19:16	1
Endrin	<0.0897		0.0897		ug/L		05/22/25 13:17	05/28/25 19:16	1
Endrin aldehyde	<0.0897		0.0897		ug/L		05/22/25 13:17	05/28/25 19:16	1
gamma-BHC (Lindane)	<0.0897		0.0897		ug/L		05/22/25 13:17	05/28/25 19:16	1
Heptachlor	<0.0897		0.0897		ug/L		05/22/25 13:17	05/28/25 19:16	1
Methoxychlor	<0.0897		0.0897		ug/L		05/22/25 13:17	05/28/25 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	49		10 - 150	05/22/25 13:17	05/28/25 19:16	1
Tetrachloro-m-xylene (Surr)	80		17 - 150	05/22/25 13:17	05/28/25 19:16	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	20.0		5.00		mg/L			05/28/25 14:52	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:39	1
Barium	1.36		0.00200		mg/L		05/27/25 09:00	05/29/25 18:39	1
Cadmium	<0.000200		0.000200		mg/L		05/27/25 09:00	05/29/25 18:39	1
Cobalt	0.00205		0.000500		mg/L		05/27/25 09:00	06/02/25 13:31	1
Copper	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:31	1
Iron	<0.100		0.100		mg/L		05/27/25 09:00	05/29/25 18:39	1
Lead	<0.000500		0.000500		mg/L		05/27/25 09:00	05/29/25 18:39	1
Manganese	2.53		0.0100		mg/L		05/27/25 09:00	06/02/25 13:31	1
Nickel	0.128		0.00500		mg/L		05/27/25 09:00	06/02/25 13:31	1
Selenium	<0.00500		0.00500		mg/L		05/27/25 09:00	05/29/25 18:39	1
Zinc	<0.0200		0.0200		mg/L		05/27/25 09:00	05/29/25 18:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	4.7		1.9		mg/L			05/22/25 15:05	1
Chemical Oxygen Demand (SM 5220D)	29.7		25.0		mg/L			05/29/25 11:20	5

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Client Sample ID: Trip Blank

Lab Sample ID: 310-306965-3

Date Collected: 05/19/25 00:00

Matrix: Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 00:59	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/24/25 00:59	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 00:59	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/24/25 00:59	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/24/25 00:59	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/24/25 00:59	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/24/25 00:59	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/24/25 00:59	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/24/25 00:59	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 00:59	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/24/25 00:59	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/24/25 00:59	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 00:59	1
2-Butanone (MEK)	<10.0		10.0		ug/L			05/24/25 00:59	1
2-Hexanone	<10.0		10.0		ug/L			05/24/25 00:59	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/24/25 00:59	1
Acetone	<10.0		10.0		ug/L			05/24/25 00:59	1
Acrylonitrile	<10.0		10.0		ug/L			05/24/25 00:59	1
Benzene	<0.500		0.500		ug/L			05/24/25 00:59	1
Bromochloromethane	<5.00		5.00		ug/L			05/24/25 00:59	1
Bromodichloromethane	<1.00		1.00		ug/L			05/24/25 00:59	1
Bromoform	<5.00		5.00		ug/L			05/24/25 00:59	1
Bromomethane	<4.00		4.00		ug/L			05/24/25 00:59	1
Carbon disulfide	<1.00		1.00		ug/L			05/24/25 00:59	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/24/25 00:59	1
Chlorobenzene	<1.00		1.00		ug/L			05/24/25 00:59	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/24/25 00:59	1
Chloroethane	<4.00		4.00		ug/L			05/24/25 00:59	1
Chloroform	<3.00		3.00		ug/L			05/24/25 00:59	1
Chloromethane	<3.00		3.00		ug/L			05/24/25 00:59	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 00:59	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 00:59	1
Dibromomethane	<1.00		1.00		ug/L			05/24/25 00:59	1
Ethylbenzene	<1.00		1.00		ug/L			05/24/25 00:59	1
Iodomethane	<10.0		10.0		ug/L			05/27/25 23:18	1
Methylene Chloride	<5.00		5.00		ug/L			05/24/25 00:59	1
Styrene	<1.00		1.00		ug/L			05/24/25 00:59	1
Tetrachloroethene	<1.00		1.00		ug/L			05/24/25 00:59	1
Toluene	<1.00		1.00		ug/L			05/24/25 00:59	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 00:59	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 00:59	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/24/25 00:59	1
Trichloroethene	<1.00		1.00		ug/L			05/24/25 00:59	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/24/25 00:59	1
Vinyl acetate	<10.0		10.0		ug/L			05/24/25 00:59	1
Vinyl chloride	<1.00		1.00		ug/L			05/24/25 00:59	1
Xylenes, Total	<3.00		3.00		ug/L			05/24/25 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	116		76 - 130		05/24/25 00:59	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Client Sample ID: Trip Blank

Lab Sample ID: 310-306965-3

Date Collected: 05/19/25 00:00

Matrix: Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	119		76 - 130		05/27/25 23:18	1
Toluene-d8 (Surr)	95		80 - 120		05/24/25 00:59	1
Toluene-d8 (Surr)	97		80 - 120		05/27/25 23:18	1
4-Bromofluorobenzene (Surr)	99		80 - 120		05/24/25 00:59	1
4-Bromofluorobenzene (Surr)	101		80 - 120		05/27/25 23:18	1

Definitions/Glossary

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-306965-1	MW-7R	113	94	96
310-306965-1	MW-7R	131 S1+	95	101
310-306965-2	MW-DN	114	96	99
310-306965-2	MW-DN	132 S1+	95	100
Surrogate Legend				
DBFM = Dibromofluoromethane (Surr)				
TOL = Toluene-d8 (Surr)				
BFB = 4-Bromofluorobenzene (Surr)				

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-306965-3	Trip Blank	116	95	99
310-306965-3	Trip Blank	119	97	101
LCS 310-455664/7	Lab Control Sample	100	104	96
LCS 310-455664/8	Lab Control Sample	114	95	101
LCS 310-455750/6	Lab Control Sample	93	97	99
LCS 310-455750/7	Lab Control Sample	119	97	103
MB 310-455664/6	Method Blank	114	94	100
MB 310-455750/5	Method Blank	118	95	104
Surrogate Legend				
DBFM = Dibromofluoromethane (Surr)				
TOL = Toluene-d8 (Surr)				
BFB = 4-Bromofluorobenzene (Surr)				

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Ground Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB2 (10-150)	TCX2 (17-150)
310-306965-1	MW-7R	80	75
310-306965-2	MW-DN	49	80
Surrogate Legend			
DCB = DCB Decachlorobiphenyl (Surr)			
TCX = Tetrachloro-m-xylene (Surr)			

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB2 (10-150)	TCX2 (17-150)
LCS 310-455488/2-A	Lab Control Sample	60	66
MB 310-455488/1-A	Method Blank	57	54
Surrogate Legend			

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Surrogate Summary

Client: SCS Engineers

Job ID: 310-306965-1

Project/Site: Montgomery County Landfill

SDG: Montgomery County Sanitary Landfill (North Unit)

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

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QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-455664/6

Matrix: Water

Analysis Batch: 455664

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/23/25 22:43	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/23/25 22:43	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/23/25 22:43	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/23/25 22:43	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/23/25 22:43	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/23/25 22:43	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/23/25 22:43	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/23/25 22:43	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/23/25 22:43	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/23/25 22:43	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/23/25 22:43	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/23/25 22:43	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/23/25 22:43	1
2-Butanone (MEK)	<10.0		10.0		ug/L			05/23/25 22:43	1
2-Hexanone	<10.0		10.0		ug/L			05/23/25 22:43	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/23/25 22:43	1
Acetone	<10.0		10.0		ug/L			05/23/25 22:43	1
Acrylonitrile	<10.0		10.0		ug/L			05/23/25 22:43	1
Benzene	<0.500		0.500		ug/L			05/23/25 22:43	1
Bromochloromethane	<5.00		5.00		ug/L			05/23/25 22:43	1
Bromodichloromethane	<1.00		1.00		ug/L			05/23/25 22:43	1
Bromoform	<5.00		5.00		ug/L			05/23/25 22:43	1
Bromomethane	<4.00		4.00		ug/L			05/23/25 22:43	1
Carbon disulfide	<1.00		1.00		ug/L			05/23/25 22:43	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/23/25 22:43	1
Chlorobenzene	<1.00		1.00		ug/L			05/23/25 22:43	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/23/25 22:43	1
Chloroethane	<4.00		4.00		ug/L			05/23/25 22:43	1
Chloroform	<3.00		3.00		ug/L			05/23/25 22:43	1
Chloromethane	<3.00		3.00		ug/L			05/23/25 22:43	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/23/25 22:43	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/23/25 22:43	1
Dibromomethane	<1.00		1.00		ug/L			05/23/25 22:43	1
Ethylbenzene	<1.00		1.00		ug/L			05/23/25 22:43	1
Methylene Chloride	<5.00		5.00		ug/L			05/23/25 22:43	1
Styrene	<1.00		1.00		ug/L			05/23/25 22:43	1
Tetrachloroethene	<1.00		1.00		ug/L			05/23/25 22:43	1
Toluene	<1.00		1.00		ug/L			05/23/25 22:43	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/23/25 22:43	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/23/25 22:43	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/23/25 22:43	1
Trichloroethene	<1.00		1.00		ug/L			05/23/25 22:43	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/23/25 22:43	1
Vinyl acetate	<10.0		10.0		ug/L			05/23/25 22:43	1
Vinyl chloride	<1.00		1.00		ug/L			05/23/25 22:43	1
Xylenes, Total	<3.00		3.00		ug/L			05/23/25 22:43	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

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

Lab Sample ID: MB 310-455664/6

Matrix: Water

Analysis Batch: 455664

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	114		76 - 130		05/23/25 22:43	1
Toluene-d8 (Surr)	94		80 - 120		05/23/25 22:43	1
4-Bromofluorobenzene (Surr)	100		80 - 120		05/23/25 22:43	1

Lab Sample ID: LCS 310-455664/7

Matrix: Water

Analysis Batch: 455664

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	20.37		ug/L		102	70 - 121
1,1,1-Trichloroethane	20.0	21.52		ug/L		108	69 - 130
1,1,1,2,2-Tetrachloroethane	20.0	20.12		ug/L		101	70 - 122
1,1,2-Trichloroethane	20.0	19.92		ug/L		100	75 - 121
1,1-Dichloroethane	20.0	19.53		ug/L		98	69 - 127
1,1-Dichloroethene	20.0	20.40		ug/L		102	64 - 134
1,2,3-Trichloropropane	20.0	20.87		ug/L		104	70 - 122
1,2-Dibromo-3-Chloropropane	20.0	19.53		ug/L		98	62 - 132
1,2-Dibromoethane (EDB)	20.0	19.35		ug/L		97	74 - 122
1,2-Dichlorobenzene	20.0	20.38		ug/L		102	74 - 120
1,2-Dichloroethane	20.0	19.41		ug/L		97	68 - 125
1,2-Dichloropropane	20.0	20.32		ug/L		102	72 - 128
1,4-Dichlorobenzene	20.0	19.55		ug/L		98	72 - 120
2-Butanone (MEK)	40.0	37.47		ug/L		94	60 - 134
2-Hexanone	40.0	37.86		ug/L		95	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	38.30		ug/L		96	62 - 136
Acetone	40.0	41.13		ug/L		103	59 - 136
Acrylonitrile	200	189.2		ug/L		95	50 - 150
Benzene	20.0	19.56		ug/L		98	71 - 125
Bromochloromethane	20.0	21.50		ug/L		108	69 - 131
Bromodichloromethane	20.0	19.94		ug/L		100	70 - 122
Bromoform	20.0	19.26		ug/L		96	62 - 122
Carbon disulfide	20.0	20.29		ug/L		101	58 - 137
Carbon tetrachloride	20.0	21.96		ug/L		110	63 - 136
Chlorobenzene	20.0	19.48		ug/L		97	74 - 120
Chlorodibromomethane	20.0	19.31		ug/L		97	69 - 121
Chloroform	20.0	19.06		ug/L		95	72 - 122
cis-1,2-Dichloroethene	20.0	19.43		ug/L		97	72 - 123
cis-1,3-Dichloropropene	20.0	19.91		ug/L		100	72 - 123
Dibromomethane	20.0	18.75		ug/L		94	72 - 122
Ethylbenzene	20.0	20.03		ug/L		100	75 - 120
Methylene Chloride	20.0	22.56		ug/L		113	72 - 128
Styrene	20.0	20.96		ug/L		105	74 - 122
Tetrachloroethene	20.0	20.00		ug/L		100	70 - 128
Toluene	20.0	19.52		ug/L		98	74 - 120
trans-1,2-Dichloroethene	20.0	19.53		ug/L		98	67 - 127
trans-1,3-Dichloropropene	20.0	18.13		ug/L		91	67 - 123
trans-1,4-Dichloro-2-butene	20.0	20.92		ug/L		105	50 - 150
Trichloroethene	20.0	20.34		ug/L		102	70 - 128

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QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

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

Lab Sample ID: LCS 310-455664/7

Matrix: Water

Analysis Batch: 455664

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl acetate	40.0	37.02		ug/L		93	50 - 150
Xylenes, Total	40.0	40.93		ug/L		102	74 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	100		76 - 130
Toluene-d8 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120

Lab Sample ID: LCS 310-455664/8

Matrix: Water

Analysis Batch: 455664

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	17.38		ug/L		87	33 - 138
Chloroethane	20.0	19.49		ug/L		97	59 - 139
Chloromethane	20.0	19.63		ug/L		98	52 - 146
Trichlorofluoromethane	20.0	21.49		ug/L		107	55 - 150
Vinyl chloride	20.0	18.27		ug/L		91	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	114		76 - 130
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120

Lab Sample ID: MB 310-455750/5

Matrix: Water

Analysis Batch: 455750

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	<10.0		10.0		ug/L			05/27/25 22:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	118		76 - 130		05/27/25 22:13	1
Toluene-d8 (Surr)	95		80 - 120		05/27/25 22:13	1
4-Bromofluorobenzene (Surr)	104		80 - 120		05/27/25 22:13	1

Lab Sample ID: LCS 310-455750/6

Matrix: Water

Analysis Batch: 455750

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iodomethane	20.0	13.52		ug/L		68	18 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	93		76 - 130
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

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

Lab Sample ID: LCS 310-455750/7

Matrix: Water

Analysis Batch: 455750

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	9.455		ug/L		47	33 - 138
Chloroethane	20.0	22.51		ug/L		113	59 - 139
Chloromethane	20.0	18.61		ug/L		93	52 - 146
Trichlorofluoromethane	20.0	21.40		ug/L		107	55 - 150
Vinyl chloride	20.0	22.60		ug/L		113	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	119		76 - 130
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 310-455488/1-A

Matrix: Water

Analysis Batch: 455989

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 455488

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0989		0.0989		ug/L		05/22/25 13:17	05/28/25 17:32	1
alpha-BHC	<0.0989		0.0989		ug/L		05/22/25 13:17	05/28/25 17:32	1
beta-BHC	<0.0989		0.0989		ug/L		05/22/25 13:17	05/28/25 17:32	1
Endosulfan I	<0.0989		0.0989		ug/L		05/22/25 13:17	05/28/25 17:32	1
Endosulfan sulfate	<0.0989		0.0989		ug/L		05/22/25 13:17	05/28/25 17:32	1
Endrin	<0.0989		0.0989		ug/L		05/22/25 13:17	05/28/25 17:32	1
Endrin aldehyde	<0.0989		0.0989		ug/L		05/22/25 13:17	05/28/25 17:32	1
gamma-BHC (Lindane)	<0.0989		0.0989		ug/L		05/22/25 13:17	05/28/25 17:32	1
Heptachlor	<0.0989		0.0989		ug/L		05/22/25 13:17	05/28/25 17:32	1
Methoxychlor	<0.0989		0.0989		ug/L		05/22/25 13:17	05/28/25 17:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	57		10 - 150	05/22/25 13:17	05/28/25 17:32	1
Tetrachloro-m-xylene (Surr)	54		17 - 150	05/22/25 13:17	05/28/25 17:32	1

Lab Sample ID: LCS 310-455488/2-A

Matrix: Water

Analysis Batch: 455989

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 455488

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	2.79	1.949		ug/L		70	28 - 150
alpha-BHC	2.79	2.231		ug/L		80	57 - 149
beta-BHC	2.79	2.012		ug/L		72	53 - 145
Endosulfan I	2.79	1.238		ug/L		44	26 - 133
Endosulfan sulfate	2.79	2.113		ug/L		76	54 - 150
Endrin	2.79	2.006		ug/L		72	41 - 150
Endrin aldehyde	2.79	1.835		ug/L		66	42 - 147
gamma-BHC (Lindane)	2.79	2.244		ug/L		80	57 - 150
Heptachlor	2.79	1.752		ug/L		63	16 - 135
Methoxychlor	2.79	2.733		ug/L		98	16 - 150

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QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 310-455488/2-A

Matrix: Water

Analysis Batch: 455989

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 455488

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	60		10 - 150
Tetrachloro-m-xylene (Surr)	66		17 - 150

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-456112/3

Matrix: Water

Analysis Batch: 456112

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Sulfate	<1.00		1.00		mg/L			05/28/25 13:34	1

Lab Sample ID: LCS 310-456112/4

Matrix: Water

Analysis Batch: 456112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec	%Rec
			Added	Result	Qualifier					Limits
Sulfate			10.0	10.65		mg/L		107		90 - 110

Lab Sample ID: 310-306965-1 MS

Matrix: Ground Water

Analysis Batch: 456112

Client Sample ID: MW-7R

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier					Limits
Sulfate	20.1		25.0	46.43		mg/L		105		80 - 120

Lab Sample ID: 310-306965-1 MSD

Matrix: Ground Water

Analysis Batch: 456112

Client Sample ID: MW-7R

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier					Limits	RPD	Limit
Sulfate	20.1		25.0	46.28		mg/L		105		80 - 120	0	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-455679/1-A

Matrix: Water

Analysis Batch: 456144

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 455679

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 17:33	1
Barium	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 17:33	1
Cadmium	<0.000200		0.000200		mg/L		05/27/25 09:00	05/29/25 17:33	1
Iron	<0.100		0.100		mg/L		05/27/25 09:00	05/29/25 17:33	1
Lead	<0.000500		0.000500		mg/L		05/27/25 09:00	05/29/25 17:33	1
Selenium	<0.00500		0.00500		mg/L		05/27/25 09:00	05/29/25 17:33	1
Zinc	<0.0200		0.0200		mg/L		05/27/25 09:00	05/29/25 17:33	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-455679/1-A
Matrix: Water
Analysis Batch: 456366

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 455679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.000500		0.000500		mg/L		05/27/25 09:00	06/02/25 12:53	1
Copper	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 12:53	1
Manganese	<0.0100		0.0100		mg/L		05/27/25 09:00	06/02/25 12:53	1
Nickel	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 12:53	1

Lab Sample ID: LCS 310-455679/2-A
Matrix: Water
Analysis Batch: 456144

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 455679

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.1917		mg/L		96	80 - 120
Barium	0.100	0.1032		mg/L		103	80 - 120
Cadmium	0.100	0.1000		mg/L		100	80 - 120
Iron	0.200	0.1904		mg/L		95	80 - 120
Lead	0.200	0.1986		mg/L		99	80 - 120
Selenium	0.400	0.3907		mg/L		98	80 - 120
Zinc	0.200	0.1789		mg/L		89	80 - 120

Lab Sample ID: LCS 310-455679/2-A
Matrix: Water
Analysis Batch: 456366

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 455679

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.100	0.1013		mg/L		101	80 - 120
Copper	0.200	0.2062		mg/L		103	80 - 120
Manganese	0.100	0.09955		mg/L		100	80 - 120
Nickel	0.200	0.2036		mg/L		102	80 - 120

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-455500/1
Matrix: Water
Analysis Batch: 455500

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			05/22/25 15:05	1

Lab Sample ID: LCS 310-455500/2
Matrix: Water
Analysis Batch: 455500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	99.00		mg/L		99	81 - 116

QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Method: SM 5220D - COD

Lab Sample ID: MB 310-456074/60
Matrix: Water
Analysis Batch: 456074

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<5.00		5.00		mg/L			05/29/25 11:20	1

Lab Sample ID: LCS 310-456074/63
Matrix: Water
Analysis Batch: 456074

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	125	123.2		mg/L		98	85 - 110

QC Association Summary

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

GC/MS VOA

Analysis Batch: 455664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306965-1	MW-7R	Total/NA	Ground Water	8260D	
310-306965-2	MW-DN	Total/NA	Ground Water	8260D	
310-306965-3	Trip Blank	Total/NA	Water	8260D	
MB 310-455664/6	Method Blank	Total/NA	Water	8260D	
LCS 310-455664/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-455664/8	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 455750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306965-1	MW-7R	Total/NA	Ground Water	8260D	
310-306965-2	MW-DN	Total/NA	Ground Water	8260D	
310-306965-3	Trip Blank	Total/NA	Water	8260D	
MB 310-455750/5	Method Blank	Total/NA	Water	8260D	
LCS 310-455750/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-455750/7	Lab Control Sample	Total/NA	Water	8260D	

GC Semi VOA

Prep Batch: 455488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306965-1	MW-7R	Total/NA	Ground Water	3511	
310-306965-2	MW-DN	Total/NA	Ground Water	3511	
MB 310-455488/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-455488/2-A	Lab Control Sample	Total/NA	Water	3511	

Analysis Batch: 455989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306965-1	MW-7R	Total/NA	Ground Water	8081B	455488
310-306965-2	MW-DN	Total/NA	Ground Water	8081B	455488
MB 310-455488/1-A	Method Blank	Total/NA	Water	8081B	455488
LCS 310-455488/2-A	Lab Control Sample	Total/NA	Water	8081B	455488

HPLC/IC

Analysis Batch: 456112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306965-1	MW-7R	Total/NA	Ground Water	9056A	
310-306965-2	MW-DN	Total/NA	Ground Water	9056A	
MB 310-456112/3	Method Blank	Total/NA	Water	9056A	
LCS 310-456112/4	Lab Control Sample	Total/NA	Water	9056A	
310-306965-1 MS	MW-7R	Total/NA	Ground Water	9056A	
310-306965-1 MSD	MW-7R	Total/NA	Ground Water	9056A	

Metals

Prep Batch: 455679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306965-1	MW-7R	Total/NA	Ground Water	3005A	
310-306965-2	MW-DN	Total/NA	Ground Water	3005A	
MB 310-455679/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-455679/2-A	Lab Control Sample	Total/NA	Water	3005A	

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Metals

Analysis Batch: 456144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306965-1	MW-7R	Total/NA	Ground Water	6020B	455679
310-306965-2	MW-DN	Total/NA	Ground Water	6020B	455679
MB 310-455679/1-A	Method Blank	Total/NA	Water	6020B	455679
LCS 310-455679/2-A	Lab Control Sample	Total/NA	Water	6020B	455679

Analysis Batch: 456366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306965-2	MW-DN	Total/NA	Ground Water	6020B	455679
MB 310-455679/1-A	Method Blank	Total/NA	Water	6020B	455679
LCS 310-455679/2-A	Lab Control Sample	Total/NA	Water	6020B	455679

General Chemistry

Analysis Batch: 455500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306965-1	MW-7R	Total/NA	Ground Water	I-3765-85	
310-306965-2	MW-DN	Total/NA	Ground Water	I-3765-85	
MB 310-455500/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-455500/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 456074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306965-1	MW-7R	Total/NA	Ground Water	SM 5220D	
310-306965-2	MW-DN	Total/NA	Ground Water	SM 5220D	
MB 310-456074/60	Method Blank	Total/NA	Water	SM 5220D	
LCS 310-456074/63	Lab Control Sample	Total/NA	Water	SM 5220D	

Lab Chronicle

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Client Sample ID: MW-7R

Lab Sample ID: 310-306965-1

Date Collected: 05/19/25 16:12

Matrix: Ground Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	455750	WSE8	EET CF	05/28/25 04:23
Total/NA	Analysis	8260D		1	455664	WSE8	EET CF	05/24/25 04:45
Total/NA	Prep	3511			455488	BW20	EET CF	05/22/25 13:17
Total/NA	Analysis	8081B		1	455989	BW20	EET CF	05/28/25 19:03
Total/NA	Analysis	9056A		5	456112	QTZ5	EET CF	05/28/25 14:05
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456144	NFT2	EET CF	05/29/25 18:36
Total/NA	Analysis	I-3765-85		1	455500	WZC8	EET CF	05/22/25 15:05
Total/NA	Analysis	SM 5220D		5	456074	ENB7	EET CF	05/29/25 11:20

Client Sample ID: MW-DN

Lab Sample ID: 310-306965-2

Date Collected: 05/19/25 16:12

Matrix: Ground Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	455750	WSE8	EET CF	05/28/25 04:45
Total/NA	Analysis	8260D		1	455664	WSE8	EET CF	05/24/25 05:08
Total/NA	Prep	3511			455488	BW20	EET CF	05/22/25 13:17
Total/NA	Analysis	8081B		1	455989	BW20	EET CF	05/28/25 19:16
Total/NA	Analysis	9056A		5	456112	QTZ5	EET CF	05/28/25 14:52
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456366	NFT2	EET CF	06/02/25 13:31
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456144	NFT2	EET CF	05/29/25 18:39
Total/NA	Analysis	I-3765-85		1	455500	WZC8	EET CF	05/22/25 15:05
Total/NA	Analysis	SM 5220D		5	456074	ENB7	EET CF	05/29/25 11:20

Client Sample ID: Trip Blank

Lab Sample ID: 310-306965-3

Date Collected: 05/19/25 00:00

Matrix: Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	455750	WSE8	EET CF	05/27/25 23:18
Total/NA	Analysis	8260D		1	455664	WSE8	EET CF	05/24/25 00:59

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

1
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16

Method Summary

Client: SCS Engineers
Project/Site: Montgomery County Landfill

Job ID: 310-306965-1
SDG: Montgomery County Sanitary Landfill (North Unit)

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
9056A	Anions, Ion Chromatography	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
SM 5220D	COD	SM	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401



Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client <u>SLC</u>			
City/State:	CITY <u>West DSM</u>	STATE <u>IA</u>	Project:
Receipt Information			
Date/Time Received:	DATE <u>5/21/25</u>	TIME <u>1600</u>	Received By <u>BP</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID.
Multiple Coolers?		☐ Yes ☒ No	If yes: Cooler # _____ of _____
Cooler Custody Seals Present?		☐ Yes ☒ No	If yes: Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☒ Yes ☐ No	If yes: Which VOA samples are in cooler? ↓
<u>all</u>			
Temperature Record			
Coolant ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID <u>Z</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.8</u>		Corrected Temp (°C): <u>0.8</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1		CONTAINER 2
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			

Eurofins TestAmerica, Cedar Falls

3019 Venture Way
Cedar Falls, IA
50613

TestAmerica Des Moines SC

Chain of Custody Record



TestAmerica Laboratories, Inc. d/b/a Eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact SCS Engineers 1690 Ali-State Court, Suite 100 West Des Moines, IA 50265 515-631-6160		Project Manager: Ben Madison Email: bmadison@scsengineers.com Cell: 515-776-9255		Site Contact: Ben Madison Lab Contact: Samuel Miller		Date: 1 of 1	
Analysis Turnaround Time ☐ CALENDAR DAYS ☐ WORKING DAYS Other: ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Sample Identification MW-7R MW-DN Trip Blank		Sample Type (C=Comp, G=Grab) G G		Matrix GW GW	
Sample Date 5-19 5-19		Sample Time 16.12 16.12		Filtered Sample (Y/N) X X		Perform MS / MSD (Y/N) X X	
Metals List Appendix I VOCs		Alpha-BHC X X		Beta-BHC X X		Endrin X X	
Endosulfan I X X		Iron X X		Manganese X X		COD X X	
Sulfate X X		TSS X X		Trip Blank X X		Sample Specific For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No: Include trip blanks in every VOC sample container	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other
 Possible Hazard Identification: Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☒ Poison B ☐ Unknown

Special Instructions/QC Requirements & Comments:
 *Metals List: Arsenic, Barium, Cadmium, Cobalt, Copper, Lead, Nickel, Selenium, and Zinc.

Custody Seals Intact: ☐ Yes ☐ No	Cooler Temp (°C) Obs'd _____ Cor'd _____	Therm ID No _____
Relinquished by: Garrett Horeau	Received by: _____ Company: _____	Date/Time: 5-21-11
Relinquished by: _____	Received by: _____ Company: _____	Date/Time: _____
Relinquished by: _____	Received in Laboratory by: RP Company: Eurofins	Date/Time: 5/21/25 1600

Form No. CA-C-WI-002, Rev 4.23, c

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-306965-1

SDG Number: Montgomery County Sanitary Landfill (North Unit)

Login Number: 306965

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Quantitation Limit Exceptions Summary

Client: SCS Engineers

Job ID: 310-306965-1

Project/Site: Montgomery County Landfill

SDG: Montgomery County Sanitary Landfill (North Unit)

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260D	1,2-Dibromo-3-Chloropropane	Ground Water	Total/NA	ug/L	1.20	5
8260D	1,2-Dibromo-3-Chloropropane	Water	Total/NA	ug/L	1.20	5
8260D	1,2-Dibromoethane (EDB)	Ground Water	Total/NA	ug/L	0.340	1
8260D	1,2-Dibromoethane (EDB)	Water	Total/NA	ug/L	0.340	1

ANALYTICAL REPORT

PREPARED FOR

Attn: Sean Marczewski
SCS Engineers
1690 All State Court
Suite 100
West Des Moines, Iowa 50265

Generated 6/2/2025 9:43:49 PM

JOB DESCRIPTION

1st 2025 Semi-Annual Sampling (HMSP)
Montgomery County Sanitary Landfill (South Unit)

JOB NUMBER

310-306964-1

Eurofins Cedar Falls

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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6/2/2025 9:43:49 PM

Authorized for release by
Samuel Miller, Project Management Assistant I
Samuel.Miller@et.eurofinsus.com
(319)595-2008

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Case Narrative

Client: SCS Engineers
Project: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1

Job ID: 310-306964-1

Eurofins Cedar Falls

Job Narrative 310-306964-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/21/2025 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0°C and 0.3°C.

GC/MS VOA

Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container: MW-22 (310-306964-2).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-455897 recovered outside of the control limits for Carbon disulfide (-23.2%D) and Iodomethane (-50.6%D). The LCS associated with this CCV passed CCV criteria for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-455897/3).

Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container: MW-22 (310-306964-2).

Method 8260D: Internal standard (ISTD) response for the following samples were outside of acceptance limits: MW-23 (310-306964-3) and MW-24 (310-306964-4). The sample was not re-analyzed due to insufficient holding time. Internal standard recovered below the control limit, giving a high bias to results. All results were non-detects for the associated analyte; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Cedar Falls

Sample Summary

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-306964-1	MW-19R	Ground Water	05/19/25 18:58	05/21/25 16:00
310-306964-2	MW-22	Ground Water	05/19/25 19:43	05/21/25 16:00
310-306964-3	MW-23	Ground Water	05/20/25 10:17	05/21/25 16:00
310-306964-4	MW-24	Ground Water	05/20/25 11:04	05/21/25 16:00
310-306964-5	MW-28	Ground Water	05/19/25 17:50	05/21/25 16:00
310-306964-6	MW-29	Ground Water	05/20/25 09:21	05/21/25 16:00
310-306964-7	GU-1	Ground Water	05/20/25 10:45	05/21/25 16:00
310-306964-8	MW-DS	Ground Water	05/19/25 18:58	05/21/25 16:00
310-306964-9	Trip Blank 1	Water	05/20/25 00:00	05/21/25 16:00
310-306964-10	Trip Blank 2	Water	05/20/25 00:00	05/21/25 16:00

Detection Summary

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-19R

Lab Sample ID: 310-306964-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.289		0.00200		mg/L	1		6020B	Total/NA
Cadmium	0.000252		0.000200		mg/L	1		6020B	Total/NA
Lead	0.000729		0.000500		mg/L	1		6020B	Total/NA
Total Suspended Solids	88.0		3.8		mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-22

Lab Sample ID: 310-306964-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.255		0.00200		mg/L	1		6020B	Total/NA

Client Sample ID: MW-23

Lab Sample ID: 310-306964-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.252		0.00200		mg/L	1		6020B	Total/NA

Client Sample ID: MW-24

Lab Sample ID: 310-306964-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.487		0.00200		mg/L	1		6020B	Total/NA

Client Sample ID: MW-28

Lab Sample ID: 310-306964-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.240		0.00200		mg/L	1		6020B	Total/NA

Client Sample ID: MW-29

Lab Sample ID: 310-306964-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.498		0.00200		mg/L	1		6020B	Total/NA

Client Sample ID: GU-1

Lab Sample ID: 310-306964-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.181		0.00200		mg/L	1		6020B	Total/NA

Client Sample ID: MW-DS

Lab Sample ID: 310-306964-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.330		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.000898		0.000500		mg/L	1		6020B	Total/NA
Lead	0.00347		0.000500		mg/L	1		6020B	Total/NA
Total Suspended Solids	157		3.8		mg/L	1		I-3765-85	Total/NA

Client Sample ID: Trip Blank 1

Lab Sample ID: 310-306964-9

No Detections.

Client Sample ID: Trip Blank 2

Lab Sample ID: 310-306964-10

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-19R

Lab Sample ID: 310-306964-1

Date Collected: 05/19/25 18:58

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/23/25 04:28	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/23/25 04:28	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/23/25 04:28	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/23/25 04:28	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/23/25 04:28	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/23/25 04:28	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/23/25 04:28	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/23/25 04:28	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/23/25 04:28	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/23/25 04:28	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/23/25 04:28	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/23/25 04:28	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/23/25 04:28	1
2-Butanone (MEK)	<10.0		10.0		ug/L			05/23/25 04:28	1
2-Hexanone	<10.0		10.0		ug/L			05/23/25 04:28	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/23/25 04:28	1
Acetone	<10.0		10.0		ug/L			05/23/25 04:28	1
Acrylonitrile	<10.0		10.0		ug/L			05/23/25 04:28	1
Benzene	<0.500		0.500		ug/L			05/23/25 04:28	1
Bromochloromethane	<5.00		5.00		ug/L			05/23/25 04:28	1
Bromodichloromethane	<1.00		1.00		ug/L			05/23/25 04:28	1
Bromoform	<5.00		5.00		ug/L			05/23/25 04:28	1
Bromomethane	<4.00		4.00		ug/L			05/23/25 04:28	1
Carbon disulfide	<1.00		1.00		ug/L			05/23/25 04:28	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/23/25 04:28	1
Chlorobenzene	<1.00		1.00		ug/L			05/23/25 04:28	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/23/25 04:28	1
Chloroethane	<4.00		4.00		ug/L			05/23/25 04:28	1
Chloroform	<3.00		3.00		ug/L			05/23/25 04:28	1
Chloromethane	<3.00		3.00		ug/L			05/23/25 04:28	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/23/25 04:28	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/23/25 04:28	1
Dibromomethane	<1.00		1.00		ug/L			05/23/25 04:28	1
Ethylbenzene	<1.00		1.00		ug/L			05/23/25 04:28	1
Iodomethane	<10.0		10.0		ug/L			05/23/25 04:28	1
Methylene Chloride	<5.00		5.00		ug/L			05/23/25 04:28	1
Styrene	<1.00		1.00		ug/L			05/23/25 04:28	1
Tetrachloroethene	<1.00		1.00		ug/L			05/23/25 04:28	1
Toluene	<1.00		1.00		ug/L			05/23/25 04:28	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/23/25 04:28	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/23/25 04:28	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/23/25 04:28	1
Trichloroethene	<1.00		1.00		ug/L			05/23/25 04:28	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/23/25 04:28	1
Vinyl acetate	<10.0		10.0		ug/L			05/23/25 04:28	1
Vinyl chloride	<1.00		1.00		ug/L			05/23/25 04:28	1
Xylenes, Total	<3.00		3.00		ug/L			05/23/25 04:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	112		76 - 130		05/23/25 04:28	1

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Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-19R

Lab Sample ID: 310-306964-1

Date Collected: 05/19/25 18:58

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		05/23/25 04:28	1
4-Bromofluorobenzene (Surr)	102		80 - 120		05/23/25 04:28	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:03	1
Arsenic	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:03	1
Barium	0.289		0.00200		mg/L		05/27/25 09:00	05/29/25 18:03	1
Beryllium	<0.00100		0.00100		mg/L		05/27/25 09:00	06/02/25 13:05	1
Cadmium	0.000252		0.000200		mg/L		05/27/25 09:00	05/29/25 18:03	1
Chromium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:05	1
Cobalt	<0.000500		0.000500		mg/L		05/27/25 09:00	06/02/25 13:05	1
Copper	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:05	1
Lead	0.000729		0.000500		mg/L		05/27/25 09:00	05/29/25 18:03	1
Nickel	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:05	1
Selenium	<0.00500		0.00500		mg/L		05/27/25 09:00	05/29/25 18:03	1
Silver	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:03	1
Thallium	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:03	1
Vanadium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:05	1
Zinc	<0.0200		0.0200		mg/L		05/27/25 09:00	05/29/25 18:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	88.0		3.8		mg/L			05/22/25 15:05	1

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-22

Lab Sample ID: 310-306964-2

Date Collected: 05/19/25 19:43

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 06:15	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/24/25 06:15	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 06:15	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/24/25 06:15	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/24/25 06:15	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/24/25 06:15	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/24/25 06:15	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/24/25 06:15	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/24/25 06:15	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 06:15	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/24/25 06:15	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/24/25 06:15	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 06:15	1
2-Butanone (MEK)	<10.0		10.0		ug/L			05/24/25 06:15	1
2-Hexanone	<10.0		10.0		ug/L			05/24/25 06:15	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/24/25 06:15	1
Acetone	<10.0		10.0		ug/L			05/24/25 06:15	1
Acrylonitrile	<10.0		10.0		ug/L			05/24/25 06:15	1
Benzene	<0.500		0.500		ug/L			05/24/25 06:15	1
Bromochloromethane	<5.00		5.00		ug/L			05/24/25 06:15	1
Bromodichloromethane	<1.00		1.00		ug/L			05/24/25 06:15	1
Bromoform	<5.00		5.00		ug/L			05/24/25 06:15	1
Bromomethane	<4.00		4.00		ug/L			05/24/25 06:15	1
Carbon disulfide	<1.00		1.00		ug/L			05/24/25 06:15	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/24/25 06:15	1
Chlorobenzene	<1.00		1.00		ug/L			05/24/25 06:15	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/24/25 06:15	1
Chloroethane	<4.00		4.00		ug/L			05/24/25 06:15	1
Chloroform	<3.00		3.00		ug/L			05/24/25 06:15	1
Chloromethane	<3.00		3.00		ug/L			05/24/25 06:15	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 06:15	1
Iodomethane	<10.0		10.0		ug/L			05/28/25 03:18	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 06:15	1
Dibromomethane	<1.00		1.00		ug/L			05/24/25 06:15	1
Ethylbenzene	<1.00		1.00		ug/L			05/24/25 06:15	1
Methylene Chloride	<5.00		5.00		ug/L			05/24/25 06:15	1
Styrene	<1.00		1.00		ug/L			05/24/25 06:15	1
Tetrachloroethene	<1.00		1.00		ug/L			05/24/25 06:15	1
Toluene	<1.00		1.00		ug/L			05/24/25 06:15	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 06:15	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 06:15	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/24/25 06:15	1
Trichloroethene	<1.00		1.00		ug/L			05/24/25 06:15	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/24/25 06:15	1
Vinyl acetate	<10.0		10.0		ug/L			05/24/25 06:15	1
Vinyl chloride	<1.00		1.00		ug/L			05/24/25 06:15	1
Xylenes, Total	<3.00		3.00		ug/L			05/24/25 06:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		05/28/25 03:18	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-22

Lab Sample ID: 310-306964-2

Date Collected: 05/19/25 19:43

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	128		76 - 130		05/28/25 03:18	1
Toluene-d8 (Surr)	94		80 - 120		05/28/25 03:18	1
Dibromofluoromethane (Surr)	117		76 - 130		05/24/25 06:15	1
Toluene-d8 (Surr)	93		80 - 120		05/24/25 06:15	1
4-Bromofluorobenzene (Surr)	98		80 - 120		05/24/25 06:15	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:06	1
Arsenic	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:06	1
Barium	0.255		0.00200		mg/L		05/27/25 09:00	05/29/25 18:06	1
Beryllium	<0.00100		0.00100		mg/L		05/27/25 09:00	06/02/25 13:07	1
Cadmium	<0.000200		0.000200		mg/L		05/27/25 09:00	05/29/25 18:06	1
Chromium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:07	1
Cobalt	<0.000500		0.000500		mg/L		05/27/25 09:00	06/02/25 13:07	1
Copper	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:07	1
Lead	<0.000500		0.000500		mg/L		05/27/25 09:00	05/29/25 18:06	1
Nickel	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:07	1
Selenium	<0.00500		0.00500		mg/L		05/27/25 09:00	05/29/25 18:06	1
Silver	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:06	1
Thallium	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:06	1
Vanadium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:07	1
Zinc	<0.0200		0.0200		mg/L		05/27/25 09:00	05/29/25 18:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			05/22/25 15:05	1

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-23

Lab Sample ID: 310-306964-3

Date Collected: 05/20/25 10:17

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0		ug/L			05/28/25 21:28	1
Benzene	<0.500		0.500		ug/L			05/28/25 21:28	1
Bromochloromethane	<5.00		5.00		ug/L			05/28/25 21:28	1
Bromodichloromethane	<1.00		1.00		ug/L			05/28/25 21:28	1
Bromoform	<5.00		5.00		ug/L			05/28/25 21:28	1
Bromomethane	<4.00		4.00		ug/L			05/28/25 21:28	1
2-Butanone (MEK)	<10.0		10.0		ug/L			05/28/25 21:28	1
Carbon disulfide	<1.00		1.00		ug/L			05/28/25 21:28	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/28/25 21:28	1
Chlorobenzene	<1.00		1.00		ug/L			05/28/25 21:28	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/28/25 21:28	1
Chloroethane	<4.00		4.00		ug/L			05/28/25 21:28	1
Chloroform	<3.00		3.00		ug/L			05/28/25 21:28	1
Chloromethane	<3.00		3.00		ug/L			05/28/25 21:28	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/28/25 21:28	1
Acrylonitrile	<10.0	*3	10.0		ug/L			05/23/25 05:13	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/28/25 21:28	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/28/25 21:28	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/28/25 21:28	1
Dibromomethane	<1.00		1.00		ug/L			05/28/25 21:28	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/28/25 21:28	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/28/25 21:28	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/28/25 21:28	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/28/25 21:28	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/28/25 21:28	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/28/25 21:28	1
Ethylbenzene	<1.00		1.00		ug/L			05/28/25 21:28	1
2-Hexanone	<10.0		10.0		ug/L			05/28/25 21:28	1
Iodomethane	<10.0		10.0		ug/L			05/28/25 21:28	1
Methylene Chloride	<5.00		5.00		ug/L			05/28/25 21:28	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/28/25 21:28	1
Styrene	<1.00		1.00		ug/L			05/28/25 21:28	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/28/25 21:28	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/28/25 21:28	1
Tetrachloroethene	<1.00		1.00		ug/L			05/28/25 21:28	1
Toluene	<1.00		1.00		ug/L			05/28/25 21:28	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/28/25 21:28	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/28/25 21:28	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/28/25 21:28	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/28/25 21:28	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/28/25 21:28	1
Trichloroethene	<1.00		1.00		ug/L			05/28/25 21:28	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/28/25 21:28	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/28/25 21:28	1
Vinyl acetate	<10.0		10.0		ug/L			05/28/25 21:28	1
Vinyl chloride	<1.00		1.00		ug/L			05/28/25 21:28	1
Xylenes, Total	<3.00		3.00		ug/L			05/28/25 21:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		05/28/25 21:28	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-23

Lab Sample ID: 310-306964-3

Date Collected: 05/20/25 10:17

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		76 - 130		05/28/25 21:28	1
Toluene-d8 (Surr)	95		80 - 120		05/28/25 21:28	1
Dibromofluoromethane (Surr)	115	*3	76 - 130		05/23/25 05:13	1
Toluene-d8 (Surr)	91		80 - 120		05/23/25 05:13	1
4-Bromofluorobenzene (Surr)	101		80 - 120		05/23/25 05:13	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:09	1
Arsenic	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:09	1
Barium	0.252		0.00200		mg/L		05/27/25 09:00	05/29/25 18:09	1
Beryllium	<0.00100		0.00100		mg/L		05/27/25 09:00	06/02/25 13:10	1
Cadmium	<0.000200		0.000200		mg/L		05/27/25 09:00	05/29/25 18:09	1
Chromium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:10	1
Cobalt	<0.000500		0.000500		mg/L		05/27/25 09:00	06/02/25 13:10	1
Copper	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:10	1
Lead	<0.000500		0.000500		mg/L		05/27/25 09:00	05/29/25 18:09	1
Nickel	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:10	1
Selenium	<0.00500		0.00500		mg/L		05/27/25 09:00	05/29/25 18:09	1
Silver	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:09	1
Thallium	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:09	1
Vanadium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:10	1
Zinc	<0.0200		0.0200		mg/L		05/27/25 09:00	05/29/25 18:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			05/22/25 16:07	1

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-24

Lab Sample ID: 310-306964-4

Date Collected: 05/20/25 11:04

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0		ug/L			05/28/25 21:50	1
Benzene	<0.500		0.500		ug/L			05/28/25 21:50	1
Bromochloromethane	<5.00		5.00		ug/L			05/28/25 21:50	1
Bromodichloromethane	<1.00		1.00		ug/L			05/28/25 21:50	1
Bromoform	<5.00		5.00		ug/L			05/28/25 21:50	1
Bromomethane	<4.00		4.00		ug/L			05/28/25 21:50	1
2-Butanone (MEK)	<10.0		10.0		ug/L			05/28/25 21:50	1
Carbon disulfide	<1.00		1.00		ug/L			05/28/25 21:50	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/28/25 21:50	1
Chlorobenzene	<1.00		1.00		ug/L			05/28/25 21:50	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/28/25 21:50	1
Chloroethane	<4.00		4.00		ug/L			05/28/25 21:50	1
Chloroform	<3.00		3.00		ug/L			05/28/25 21:50	1
Chloromethane	<3.00		3.00		ug/L			05/28/25 21:50	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/28/25 21:50	1
Acrylonitrile	<10.0	*3	10.0		ug/L			05/23/25 05:36	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/28/25 21:50	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/28/25 21:50	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/28/25 21:50	1
Dibromomethane	<1.00		1.00		ug/L			05/28/25 21:50	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/28/25 21:50	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/28/25 21:50	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/28/25 21:50	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/28/25 21:50	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/28/25 21:50	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/28/25 21:50	1
Ethylbenzene	<1.00		1.00		ug/L			05/28/25 21:50	1
2-Hexanone	<10.0		10.0		ug/L			05/28/25 21:50	1
Iodomethane	<10.0		10.0		ug/L			05/28/25 21:50	1
Methylene Chloride	<5.00		5.00		ug/L			05/28/25 21:50	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/28/25 21:50	1
Styrene	<1.00		1.00		ug/L			05/28/25 21:50	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/28/25 21:50	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/28/25 21:50	1
Tetrachloroethene	<1.00		1.00		ug/L			05/28/25 21:50	1
Toluene	<1.00		1.00		ug/L			05/28/25 21:50	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/28/25 21:50	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/28/25 21:50	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/28/25 21:50	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/28/25 21:50	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/28/25 21:50	1
Trichloroethene	<1.00		1.00		ug/L			05/28/25 21:50	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/28/25 21:50	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/28/25 21:50	1
Vinyl acetate	<10.0		10.0		ug/L			05/28/25 21:50	1
Vinyl chloride	<1.00		1.00		ug/L			05/28/25 21:50	1
Xylenes, Total	<3.00		3.00		ug/L			05/28/25 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		05/28/25 21:50	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-24

Lab Sample ID: 310-306964-4

Date Collected: 05/20/25 11:04

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	112		76 - 130		05/28/25 21:50	1
Toluene-d8 (Surr)	95		80 - 120		05/28/25 21:50	1
Dibromofluoromethane (Surr)	111	*3	76 - 130		05/23/25 05:36	1
Toluene-d8 (Surr)	92		80 - 120		05/23/25 05:36	1
4-Bromofluorobenzene (Surr)	100		80 - 120		05/23/25 05:36	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:12	1
Arsenic	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:12	1
Barium	0.487		0.00200		mg/L		05/27/25 09:00	05/29/25 18:12	1
Beryllium	<0.00100		0.00100		mg/L		05/27/25 09:00	06/02/25 13:12	1
Cadmium	<0.000200		0.000200		mg/L		05/27/25 09:00	05/29/25 18:12	1
Chromium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:12	1
Cobalt	<0.000500		0.000500		mg/L		05/27/25 09:00	06/02/25 13:12	1
Copper	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:12	1
Lead	<0.000500		0.000500		mg/L		05/27/25 09:00	05/29/25 18:12	1
Nickel	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:12	1
Selenium	<0.00500		0.00500		mg/L		05/27/25 09:00	05/29/25 18:12	1
Silver	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:12	1
Thallium	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:12	1
Vanadium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:12	1
Zinc	<0.0200		0.0200		mg/L		05/27/25 09:00	05/29/25 18:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			05/23/25 07:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-28

Lab Sample ID: 310-306964-5

Date Collected: 05/19/25 17:50

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 03:14	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/24/25 03:14	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 03:14	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/24/25 03:14	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/24/25 03:14	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/24/25 03:14	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/24/25 03:14	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/24/25 03:14	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/24/25 03:14	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 03:14	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/24/25 03:14	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/24/25 03:14	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 03:14	1
2-Butanone (MEK)	<10.0		10.0		ug/L			05/24/25 03:14	1
2-Hexanone	<10.0		10.0		ug/L			05/24/25 03:14	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/24/25 03:14	1
Acetone	<10.0		10.0		ug/L			05/24/25 03:14	1
Acrylonitrile	<10.0		10.0		ug/L			05/24/25 03:14	1
Benzene	<0.500		0.500		ug/L			05/24/25 03:14	1
Bromochloromethane	<5.00		5.00		ug/L			05/24/25 03:14	1
Bromodichloromethane	<1.00		1.00		ug/L			05/24/25 03:14	1
Bromoform	<5.00		5.00		ug/L			05/24/25 03:14	1
Bromomethane	<4.00		4.00		ug/L			05/24/25 03:14	1
Carbon disulfide	<1.00		1.00		ug/L			05/24/25 03:14	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/24/25 03:14	1
Chlorobenzene	<1.00		1.00		ug/L			05/24/25 03:14	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/24/25 03:14	1
Chloroethane	<4.00		4.00		ug/L			05/24/25 03:14	1
Chloroform	<3.00		3.00		ug/L			05/24/25 03:14	1
Chloromethane	<3.00		3.00		ug/L			05/24/25 03:14	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 03:14	1
Iodomethane	<10.0		10.0		ug/L			05/28/25 03:40	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 03:14	1
Dibromomethane	<1.00		1.00		ug/L			05/24/25 03:14	1
Ethylbenzene	<1.00		1.00		ug/L			05/24/25 03:14	1
Methylene Chloride	<5.00		5.00		ug/L			05/24/25 03:14	1
Styrene	<1.00		1.00		ug/L			05/24/25 03:14	1
Tetrachloroethene	<1.00		1.00		ug/L			05/24/25 03:14	1
Toluene	<1.00		1.00		ug/L			05/24/25 03:14	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 03:14	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 03:14	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/24/25 03:14	1
Trichloroethene	<1.00		1.00		ug/L			05/24/25 03:14	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/24/25 03:14	1
Vinyl acetate	<10.0		10.0		ug/L			05/24/25 03:14	1
Vinyl chloride	<1.00		1.00		ug/L			05/24/25 03:14	1
Xylenes, Total	<3.00		3.00		ug/L			05/24/25 03:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		05/28/25 03:40	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-28

Lab Sample ID: 310-306964-5

Date Collected: 05/19/25 17:50

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	128		76 - 130		05/28/25 03:40	1
Toluene-d8 (Surr)	95		80 - 120		05/28/25 03:40	1
Dibromofluoromethane (Surr)	113		76 - 130		05/24/25 03:14	1
Toluene-d8 (Surr)	95		80 - 120		05/24/25 03:14	1
4-Bromofluorobenzene (Surr)	99		80 - 120		05/24/25 03:14	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:15	1
Arsenic	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:15	1
Barium	0.240		0.00200		mg/L		05/27/25 09:00	05/29/25 18:15	1
Beryllium	<0.00100		0.00100		mg/L		05/27/25 09:00	06/02/25 13:15	1
Cadmium	<0.000200		0.000200		mg/L		05/27/25 09:00	05/29/25 18:15	1
Chromium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:15	1
Cobalt	<0.000500		0.000500		mg/L		05/27/25 09:00	06/02/25 13:15	1
Copper	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:15	1
Lead	<0.000500		0.000500		mg/L		05/27/25 09:00	05/29/25 18:15	1
Nickel	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:15	1
Selenium	<0.00500		0.00500		mg/L		05/27/25 09:00	05/29/25 18:15	1
Silver	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:15	1
Thallium	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:15	1
Vanadium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:15	1
Zinc	<0.0200		0.0200		mg/L		05/27/25 09:00	05/29/25 18:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			05/22/25 15:05	1

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-29

Lab Sample ID: 310-306964-6

Date Collected: 05/20/25 09:21

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 03:37	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/24/25 03:37	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 03:37	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/24/25 03:37	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/24/25 03:37	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/24/25 03:37	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/24/25 03:37	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/24/25 03:37	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/24/25 03:37	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 03:37	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/24/25 03:37	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/24/25 03:37	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 03:37	1
2-Butanone (MEK)	<10.0		10.0		ug/L			05/24/25 03:37	1
2-Hexanone	<10.0		10.0		ug/L			05/24/25 03:37	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/24/25 03:37	1
Acetone	<10.0		10.0		ug/L			05/24/25 03:37	1
Acrylonitrile	<10.0		10.0		ug/L			05/24/25 03:37	1
Benzene	<0.500		0.500		ug/L			05/24/25 03:37	1
Bromochloromethane	<5.00		5.00		ug/L			05/24/25 03:37	1
Bromodichloromethane	<1.00		1.00		ug/L			05/24/25 03:37	1
Bromoform	<5.00		5.00		ug/L			05/24/25 03:37	1
Bromomethane	<4.00		4.00		ug/L			05/24/25 03:37	1
Carbon disulfide	<1.00		1.00		ug/L			05/24/25 03:37	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/24/25 03:37	1
Chlorobenzene	<1.00		1.00		ug/L			05/24/25 03:37	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/24/25 03:37	1
Chloroethane	<4.00		4.00		ug/L			05/24/25 03:37	1
Chloroform	<3.00		3.00		ug/L			05/24/25 03:37	1
Chloromethane	<3.00		3.00		ug/L			05/24/25 03:37	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 03:37	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 03:37	1
Dibromomethane	<1.00		1.00		ug/L			05/24/25 03:37	1
Ethylbenzene	<1.00		1.00		ug/L			05/24/25 03:37	1
Iodomethane	<10.0		10.0		ug/L			05/27/25 14:36	1
Methylene Chloride	<5.00		5.00		ug/L			05/24/25 03:37	1
Styrene	<1.00		1.00		ug/L			05/24/25 03:37	1
Tetrachloroethene	<1.00		1.00		ug/L			05/24/25 03:37	1
Toluene	<1.00		1.00		ug/L			05/24/25 03:37	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 03:37	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 03:37	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/24/25 03:37	1
Trichloroethene	<1.00		1.00		ug/L			05/24/25 03:37	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/24/25 03:37	1
Vinyl acetate	<10.0		10.0		ug/L			05/24/25 03:37	1
Vinyl chloride	<1.00		1.00		ug/L			05/24/25 03:37	1
Xylenes, Total	<3.00		3.00		ug/L			05/24/25 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	114		76 - 130		05/24/25 03:37	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-29

Lab Sample ID: 310-306964-6

Date Collected: 05/20/25 09:21

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		76 - 130		05/27/25 14:36	1
Toluene-d8 (Surr)	95		80 - 120		05/24/25 03:37	1
Toluene-d8 (Surr)	100		80 - 120		05/27/25 14:36	1
4-Bromofluorobenzene (Surr)	99		80 - 120		05/24/25 03:37	1
4-Bromofluorobenzene (Surr)	103		80 - 120		05/27/25 14:36	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:18	1
Arsenic	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:18	1
Barium	0.498		0.00200		mg/L		05/27/25 09:00	05/29/25 18:18	1
Beryllium	<0.00100		0.00100		mg/L		05/27/25 09:00	06/02/25 13:17	1
Cadmium	<0.000200		0.000200		mg/L		05/27/25 09:00	05/29/25 18:18	1
Chromium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:17	1
Cobalt	<0.000500		0.000500		mg/L		05/27/25 09:00	06/02/25 13:17	1
Copper	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:17	1
Lead	<0.000500		0.000500		mg/L		05/27/25 09:00	05/29/25 18:18	1
Nickel	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:17	1
Selenium	<0.00500		0.00500		mg/L		05/27/25 09:00	05/29/25 18:18	1
Silver	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:18	1
Thallium	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:18	1
Vanadium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:17	1
Zinc	<0.0200		0.0200		mg/L		05/27/25 09:00	05/29/25 18:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			05/23/25 07:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: GU-1

Lab Sample ID: 310-306964-7

Date Collected: 05/20/25 10:45

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 04:00	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/24/25 04:00	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 04:00	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/24/25 04:00	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/24/25 04:00	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/24/25 04:00	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/24/25 04:00	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/24/25 04:00	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/24/25 04:00	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 04:00	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/24/25 04:00	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/24/25 04:00	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 04:00	1
2-Butanone (MEK)	<10.0		10.0		ug/L			05/24/25 04:00	1
2-Hexanone	<10.0		10.0		ug/L			05/24/25 04:00	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/24/25 04:00	1
Acetone	<10.0		10.0		ug/L			05/24/25 04:00	1
Acrylonitrile	<10.0		10.0		ug/L			05/24/25 04:00	1
Benzene	<0.500		0.500		ug/L			05/24/25 04:00	1
Bromochloromethane	<5.00		5.00		ug/L			05/24/25 04:00	1
Bromodichloromethane	<1.00		1.00		ug/L			05/24/25 04:00	1
Bromoform	<5.00		5.00		ug/L			05/24/25 04:00	1
Bromomethane	<4.00		4.00		ug/L			05/24/25 04:00	1
Carbon disulfide	<1.00		1.00		ug/L			05/24/25 04:00	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/24/25 04:00	1
Chlorobenzene	<1.00		1.00		ug/L			05/24/25 04:00	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/24/25 04:00	1
Chloroethane	<4.00		4.00		ug/L			05/24/25 04:00	1
Chloroform	<3.00		3.00		ug/L			05/24/25 04:00	1
Chloromethane	<3.00		3.00		ug/L			05/24/25 04:00	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 04:00	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 04:00	1
Dibromomethane	<1.00		1.00		ug/L			05/24/25 04:00	1
Ethylbenzene	<1.00		1.00		ug/L			05/24/25 04:00	1
Iodomethane	<10.0		10.0		ug/L			05/27/25 14:58	1
Methylene Chloride	<5.00		5.00		ug/L			05/24/25 04:00	1
Styrene	<1.00		1.00		ug/L			05/24/25 04:00	1
Tetrachloroethene	<1.00		1.00		ug/L			05/24/25 04:00	1
Toluene	<1.00		1.00		ug/L			05/24/25 04:00	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 04:00	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 04:00	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/24/25 04:00	1
Trichloroethene	<1.00		1.00		ug/L			05/24/25 04:00	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/24/25 04:00	1
Vinyl acetate	<10.0		10.0		ug/L			05/24/25 04:00	1
Vinyl chloride	<1.00		1.00		ug/L			05/24/25 04:00	1
Xylenes, Total	<3.00		3.00		ug/L			05/24/25 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	113		76 - 130		05/24/25 04:00	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: GU-1

Lab Sample ID: 310-306964-7

Date Collected: 05/20/25 10:45

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		76 - 130		05/27/25 14:58	1
Toluene-d8 (Surr)	94		80 - 120		05/24/25 04:00	1
Toluene-d8 (Surr)	97		80 - 120		05/27/25 14:58	1
4-Bromofluorobenzene (Surr)	98		80 - 120		05/24/25 04:00	1
4-Bromofluorobenzene (Surr)	102		80 - 120		05/27/25 14:58	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:27	1
Arsenic	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:27	1
Barium	0.181		0.00200		mg/L		05/27/25 09:00	05/29/25 18:27	1
Beryllium	<0.00100		0.00100		mg/L		05/27/25 09:00	06/02/25 13:19	1
Cadmium	<0.000200		0.000200		mg/L		05/27/25 09:00	05/29/25 18:27	1
Chromium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:19	1
Cobalt	<0.000500		0.000500		mg/L		05/27/25 09:00	06/02/25 13:19	1
Copper	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:19	1
Lead	<0.000500		0.000500		mg/L		05/27/25 09:00	05/29/25 18:27	1
Nickel	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:19	1
Selenium	<0.00500		0.00500		mg/L		05/27/25 09:00	05/29/25 18:27	1
Silver	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:27	1
Thallium	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:27	1
Vanadium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:19	1
Zinc	<0.0200		0.0200		mg/L		05/27/25 09:00	05/29/25 18:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			05/23/25 07:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-DS

Lab Sample ID: 310-306964-8

Date Collected: 05/19/25 18:58

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 04:22	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/24/25 04:22	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 04:22	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/24/25 04:22	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/24/25 04:22	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/24/25 04:22	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/24/25 04:22	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/24/25 04:22	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/24/25 04:22	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 04:22	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/24/25 04:22	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/24/25 04:22	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 04:22	1
2-Butanone (MEK)	<10.0		10.0		ug/L			05/24/25 04:22	1
2-Hexanone	<10.0		10.0		ug/L			05/24/25 04:22	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/24/25 04:22	1
Acetone	<10.0		10.0		ug/L			05/24/25 04:22	1
Acrylonitrile	<10.0		10.0		ug/L			05/24/25 04:22	1
Benzene	<0.500		0.500		ug/L			05/24/25 04:22	1
Bromochloromethane	<5.00		5.00		ug/L			05/24/25 04:22	1
Bromodichloromethane	<1.00		1.00		ug/L			05/24/25 04:22	1
Bromoform	<5.00		5.00		ug/L			05/24/25 04:22	1
Bromomethane	<4.00		4.00		ug/L			05/24/25 04:22	1
Carbon disulfide	<1.00		1.00		ug/L			05/24/25 04:22	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/24/25 04:22	1
Chlorobenzene	<1.00		1.00		ug/L			05/24/25 04:22	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/24/25 04:22	1
Chloroethane	<4.00		4.00		ug/L			05/24/25 04:22	1
Chloroform	<3.00		3.00		ug/L			05/24/25 04:22	1
Chloromethane	<3.00		3.00		ug/L			05/24/25 04:22	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 04:22	1
Iodomethane	<10.0		10.0		ug/L			05/28/25 04:01	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 04:22	1
Dibromomethane	<1.00		1.00		ug/L			05/24/25 04:22	1
Ethylbenzene	<1.00		1.00		ug/L			05/24/25 04:22	1
Methylene Chloride	<5.00		5.00		ug/L			05/24/25 04:22	1
Styrene	<1.00		1.00		ug/L			05/24/25 04:22	1
Tetrachloroethene	<1.00		1.00		ug/L			05/24/25 04:22	1
Toluene	<1.00		1.00		ug/L			05/24/25 04:22	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 04:22	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 04:22	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/24/25 04:22	1
Trichloroethene	<1.00		1.00		ug/L			05/24/25 04:22	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/24/25 04:22	1
Vinyl acetate	<10.0		10.0		ug/L			05/24/25 04:22	1
Vinyl chloride	<1.00		1.00		ug/L			05/24/25 04:22	1
Xylenes, Total	<3.00		3.00		ug/L			05/24/25 04:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		80 - 120		05/28/25 04:01	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-DS

Lab Sample ID: 310-306964-8

Date Collected: 05/19/25 18:58

Matrix: Ground Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	127		76 - 130		05/28/25 04:01	1
Toluene-d8 (Surr)	95		80 - 120		05/28/25 04:01	1
Dibromofluoromethane (Surr)	114		76 - 130		05/24/25 04:22	1
Toluene-d8 (Surr)	94		80 - 120		05/24/25 04:22	1
4-Bromofluorobenzene (Surr)	99		80 - 120		05/24/25 04:22	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:30	1
Arsenic	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 18:30	1
Barium	0.330		0.00200		mg/L		05/27/25 09:00	05/29/25 18:30	1
Beryllium	<0.00100		0.00100		mg/L		05/27/25 09:00	06/02/25 13:22	1
Cadmium	<0.000200		0.000200		mg/L		05/27/25 09:00	05/29/25 18:30	1
Chromium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:22	1
Cobalt	0.000898		0.000500		mg/L		05/27/25 09:00	06/02/25 13:22	1
Copper	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:22	1
Lead	0.00347		0.000500		mg/L		05/27/25 09:00	05/29/25 18:30	1
Nickel	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:22	1
Selenium	<0.00500		0.00500		mg/L		05/27/25 09:00	05/29/25 18:30	1
Silver	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:30	1
Thallium	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 18:30	1
Vanadium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 13:22	1
Zinc	<0.0200		0.0200		mg/L		05/27/25 09:00	05/29/25 18:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	157		3.8		mg/L			05/22/25 15:05	1

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: Trip Blank 1

Lab Sample ID: 310-306964-9

Date Collected: 05/20/25 00:00

Matrix: Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 00:14	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/24/25 00:14	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 00:14	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/24/25 00:14	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/24/25 00:14	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/24/25 00:14	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/24/25 00:14	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/24/25 00:14	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/24/25 00:14	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 00:14	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/24/25 00:14	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/24/25 00:14	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 00:14	1
2-Butanone (MEK)	<10.0		10.0		ug/L			05/24/25 00:14	1
2-Hexanone	<10.0		10.0		ug/L			05/24/25 00:14	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/24/25 00:14	1
Acetone	<10.0		10.0		ug/L			05/24/25 00:14	1
Acrylonitrile	<10.0		10.0		ug/L			05/24/25 00:14	1
Benzene	<0.500		0.500		ug/L			05/24/25 00:14	1
Bromochloromethane	<5.00		5.00		ug/L			05/24/25 00:14	1
Bromodichloromethane	<1.00		1.00		ug/L			05/24/25 00:14	1
Bromoform	<5.00		5.00		ug/L			05/24/25 00:14	1
Bromomethane	<4.00		4.00		ug/L			05/24/25 00:14	1
Carbon disulfide	<1.00		1.00		ug/L			05/24/25 00:14	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/24/25 00:14	1
Chlorobenzene	<1.00		1.00		ug/L			05/24/25 00:14	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/24/25 00:14	1
Chloroethane	<4.00		4.00		ug/L			05/24/25 00:14	1
Chloroform	<3.00		3.00		ug/L			05/24/25 00:14	1
Chloromethane	<3.00		3.00		ug/L			05/24/25 00:14	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 00:14	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 00:14	1
Dibromomethane	<1.00		1.00		ug/L			05/24/25 00:14	1
Ethylbenzene	<1.00		1.00		ug/L			05/24/25 00:14	1
Iodomethane	<10.0		10.0		ug/L			05/27/25 12:47	1
Methylene Chloride	<5.00		5.00		ug/L			05/24/25 00:14	1
Styrene	<1.00		1.00		ug/L			05/24/25 00:14	1
Tetrachloroethene	<1.00		1.00		ug/L			05/24/25 00:14	1
Toluene	<1.00		1.00		ug/L			05/24/25 00:14	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 00:14	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 00:14	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/24/25 00:14	1
Trichloroethene	<1.00		1.00		ug/L			05/24/25 00:14	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/24/25 00:14	1
Vinyl acetate	<10.0		10.0		ug/L			05/24/25 00:14	1
Vinyl chloride	<1.00		1.00		ug/L			05/24/25 00:14	1
Xylenes, Total	<3.00		3.00		ug/L			05/24/25 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	112		76 - 130		05/24/25 00:14	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: Trip Blank 1

Lab Sample ID: 310-306964-9

Date Collected: 05/20/25 00:00

Matrix: Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Dibromofluoromethane (Surr)</i>	95		76 - 130		05/27/25 12:47	1
<i>Toluene-d8 (Surr)</i>	96		80 - 120		05/24/25 00:14	1
<i>Toluene-d8 (Surr)</i>	100		80 - 120		05/27/25 12:47	1
<i>4-Bromofluorobenzene (Surr)</i>	99		80 - 120		05/24/25 00:14	1
<i>4-Bromofluorobenzene (Surr)</i>	106		80 - 120		05/27/25 12:47	1

Client Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: Trip Blank 2

Lab Sample ID: 310-306964-10

Date Collected: 05/20/25 00:00

Matrix: Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 00:36	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/24/25 00:36	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/24/25 00:36	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/24/25 00:36	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/24/25 00:36	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/24/25 00:36	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/24/25 00:36	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/24/25 00:36	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/24/25 00:36	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 00:36	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/24/25 00:36	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/24/25 00:36	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/24/25 00:36	1
2-Butanone (MEK)	<10.0		10.0		ug/L			05/24/25 00:36	1
2-Hexanone	<10.0		10.0		ug/L			05/24/25 00:36	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/24/25 00:36	1
Acetone	<10.0		10.0		ug/L			05/24/25 00:36	1
Acrylonitrile	<10.0		10.0		ug/L			05/24/25 00:36	1
Benzene	<0.500		0.500		ug/L			05/24/25 00:36	1
Bromochloromethane	<5.00		5.00		ug/L			05/24/25 00:36	1
Bromodichloromethane	<1.00		1.00		ug/L			05/24/25 00:36	1
Bromoform	<5.00		5.00		ug/L			05/24/25 00:36	1
Bromomethane	<4.00		4.00		ug/L			05/24/25 00:36	1
Carbon disulfide	<1.00		1.00		ug/L			05/24/25 00:36	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/24/25 00:36	1
Chlorobenzene	<1.00		1.00		ug/L			05/24/25 00:36	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/24/25 00:36	1
Chloroethane	<4.00		4.00		ug/L			05/24/25 00:36	1
Chloroform	<3.00		3.00		ug/L			05/24/25 00:36	1
Chloromethane	<3.00		3.00		ug/L			05/24/25 00:36	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 00:36	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 00:36	1
Dibromomethane	<1.00		1.00		ug/L			05/24/25 00:36	1
Ethylbenzene	<1.00		1.00		ug/L			05/24/25 00:36	1
Iodomethane	<10.0		10.0		ug/L			05/27/25 13:09	1
Methylene Chloride	<5.00		5.00		ug/L			05/24/25 00:36	1
Styrene	<1.00		1.00		ug/L			05/24/25 00:36	1
Tetrachloroethene	<1.00		1.00		ug/L			05/24/25 00:36	1
Toluene	<1.00		1.00		ug/L			05/24/25 00:36	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/24/25 00:36	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/24/25 00:36	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/24/25 00:36	1
Trichloroethene	<1.00		1.00		ug/L			05/24/25 00:36	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/24/25 00:36	1
Vinyl acetate	<10.0		10.0		ug/L			05/24/25 00:36	1
Vinyl chloride	<1.00		1.00		ug/L			05/24/25 00:36	1
Xylenes, Total	<3.00		3.00		ug/L			05/24/25 00:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	114		76 - 130		05/24/25 00:36	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: Trip Blank 2

Lab Sample ID: 310-306964-10

Date Collected: 05/20/25 00:00

Matrix: Water

Date Received: 05/21/25 16:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	95		76 - 130		05/27/25 13:09	1
Toluene-d8 (Surr)	93		80 - 120		05/24/25 00:36	1
Toluene-d8 (Surr)	99		80 - 120		05/27/25 13:09	1
4-Bromofluorobenzene (Surr)	101		80 - 120		05/24/25 00:36	1
4-Bromofluorobenzene (Surr)	105		80 - 120		05/27/25 13:09	1

Definitions/Glossary

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-306964-1	MW-19R	112	92	102
310-306964-2	MW-22	117	93	98
310-306964-2	MW-22	128	94	101
310-306964-3	MW-23	115 *3	91	101
310-306964-3	MW-23	111	95	101
310-306964-4	MW-24	111 *3	92	100
310-306964-4	MW-24	112	95	101
310-306964-5	MW-28	113	95	99
310-306964-5	MW-28	128	95	101
310-306964-5 MS	MW-28	99	102	96
310-306964-5 MSD	MW-28	98	102	98
310-306964-6	MW-29	114	95	99
310-306964-6	MW-29	103	100	103
310-306964-7	GU-1	113	94	98
310-306964-7	GU-1	104	97	102
310-306964-8	MW-DS	114	94	99
310-306964-8	MW-DS	127	95	103
Surrogate Legend				
DBFM = Dibromofluoromethane (Surr)				
TOL = Toluene-d8 (Surr)				
BFB = 4-Bromofluorobenzene (Surr)				

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-306964-9	Trip Blank 1	112	96	99
310-306964-9	Trip Blank 1	95	100	106
310-306964-10	Trip Blank 2	114	93	101
310-306964-10	Trip Blank 2	95	99	105
LCS 310-455442/7	Lab Control Sample	99	98	96
LCS 310-455442/8	Lab Control Sample	117	95	97
LCS 310-455664/7	Lab Control Sample	100	104	96
LCS 310-455664/8	Lab Control Sample	114	95	101
LCS 310-455746/6	Lab Control Sample	83	101	107
LCS 310-455746/7	Lab Control Sample	93	99	104
LCS 310-455750/6	Lab Control Sample	93	97	99
LCS 310-455750/7	Lab Control Sample	119	97	103
LCS 310-455897/7	Lab Control Sample	100	102	99
LCS 310-455897/8	Lab Control Sample	115	95	100
MB 310-455442/6	Method Blank	115	94	103
MB 310-455664/6	Method Blank	114	94	100
MB 310-455746/5	Method Blank	93	101	105
MB 310-455750/5	Method Blank	118	95	104
MB 310-455897/6	Method Blank	111	96	100
Surrogate Legend				
DBFM = Dibromofluoromethane (Surr)				

Eurofins Cedar Falls

Surrogate Summary

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

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QC Sample Results

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-455442/6

Matrix: Water

Analysis Batch: 455442

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	<10.0		10.0		ug/L			05/22/25 21:42	1
Acetone	<10.0		10.0		ug/L			05/22/25 21:42	1
Acrylonitrile	<10.0		10.0		ug/L			05/22/25 21:42	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/22/25 21:42	1
Benzene	<0.500		0.500		ug/L			05/22/25 21:42	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/22/25 21:42	1
Bromochloromethane	<5.00		5.00		ug/L			05/22/25 21:42	1
Bromodichloromethane	<1.00		1.00		ug/L			05/22/25 21:42	1
Bromoform	<5.00		5.00		ug/L			05/22/25 21:42	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/22/25 21:42	1
Bromomethane	<4.00		4.00		ug/L			05/22/25 21:42	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/22/25 21:42	1
Carbon disulfide	<1.00		1.00		ug/L			05/22/25 21:42	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/22/25 21:42	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/22/25 21:42	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/22/25 21:42	1
Chlorobenzene	<1.00		1.00		ug/L			05/22/25 21:42	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/22/25 21:42	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/22/25 21:42	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/22/25 21:42	1
Chloroethane	<4.00		4.00		ug/L			05/22/25 21:42	1
Chloroform	<3.00		3.00		ug/L			05/22/25 21:42	1
2-Hexanone	<10.0		10.0		ug/L			05/22/25 21:42	1
Chloromethane	<3.00		3.00		ug/L			05/22/25 21:42	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/22/25 21:42	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/22/25 21:42	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/22/25 21:42	1
Dibromomethane	<1.00		1.00		ug/L			05/22/25 21:42	1
Ethylbenzene	<1.00		1.00		ug/L			05/22/25 21:42	1
Iodomethane	<10.0		10.0		ug/L			05/22/25 21:42	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/22/25 21:42	1
Methylene Chloride	<5.00		5.00		ug/L			05/22/25 21:42	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/22/25 21:42	1
Styrene	<1.00		1.00		ug/L			05/22/25 21:42	1
Tetrachloroethene	<1.00		1.00		ug/L			05/22/25 21:42	1
Toluene	<1.00		1.00		ug/L			05/22/25 21:42	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/22/25 21:42	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/22/25 21:42	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/22/25 21:42	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/22/25 21:42	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/22/25 21:42	1
Trichloroethene	<1.00		1.00		ug/L			05/22/25 21:42	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/22/25 21:42	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/22/25 21:42	1
Vinyl acetate	<10.0		10.0		ug/L			05/22/25 21:42	1
Vinyl chloride	<1.00		1.00		ug/L			05/22/25 21:42	1
Xylenes, Total	<3.00		3.00		ug/L			05/22/25 21:42	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

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

Lab Sample ID: MB 310-455442/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455442

	MB	MB			
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed
Dibromofluoromethane (Surr)	115		76 - 130		05/22/25 21:42
Toluene-d8 (Surr)	94		80 - 120		05/22/25 21:42
4-Bromofluorobenzene (Surr)	103		80 - 120		05/22/25 21:42

Lab Sample ID: LCS 310-455442/7

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455442

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	40.0	37.74		ug/L		94	60 - 134
Acetone	40.0	41.46		ug/L		104	59 - 136
Acrylonitrile	200	175.2		ug/L		88	50 - 150
1,2-Dibromo-3-Chloropropane	20.0	16.71		ug/L		84	62 - 132
Benzene	20.0	18.15		ug/L		91	71 - 125
1,2-Dibromoethane (EDB)	20.0	16.84		ug/L		84	74 - 122
Bromochloromethane	20.0	19.44		ug/L		97	69 - 131
Bromodichloromethane	20.0	18.88		ug/L		94	70 - 122
Bromoform	20.0	17.45		ug/L		87	62 - 122
1,2-Dichlorobenzene	20.0	18.47		ug/L		92	74 - 120
1,4-Dichlorobenzene	20.0	18.20		ug/L		91	72 - 120
Carbon disulfide	20.0	18.85		ug/L		94	58 - 137
1,1-Dichloroethane	20.0	18.54		ug/L		93	69 - 127
Carbon tetrachloride	20.0	21.77		ug/L		109	63 - 136
1,2-Dichloroethane	20.0	21.04		ug/L		105	68 - 125
Chlorobenzene	20.0	18.15		ug/L		91	74 - 120
1,1-Dichloroethene	20.0	19.20		ug/L		96	64 - 134
Chlorodibromomethane	20.0	17.43		ug/L		87	69 - 121
1,2-Dichloropropane	20.0	17.86		ug/L		89	72 - 128
Chloroform	20.0	20.70		ug/L		104	72 - 122
2-Hexanone	40.0	34.60		ug/L		87	62 - 139
cis-1,2-Dichloroethene	20.0	19.47		ug/L		97	72 - 123
cis-1,3-Dichloropropene	20.0	16.57		ug/L		83	72 - 123
4-Methyl-2-pentanone (MIBK)	40.0	36.82		ug/L		92	62 - 136
Dibromomethane	20.0	20.45		ug/L		102	72 - 122
Ethylbenzene	20.0	18.90		ug/L		95	75 - 120
Iodomethane	20.0	14.66		ug/L		73	18 - 150
1,1,1,2-Tetrachloroethane	20.0	18.30		ug/L		91	70 - 121
Methylene Chloride	20.0	18.67		ug/L		93	72 - 128
1,1,1,2,2-Tetrachloroethane	20.0	17.28		ug/L		86	70 - 122
Styrene	20.0	16.82		ug/L		84	74 - 122
Tetrachloroethene	20.0	18.83		ug/L		94	70 - 128
Toluene	20.0	19.56		ug/L		98	74 - 120
trans-1,2-Dichloroethene	20.0	19.64		ug/L		98	67 - 127
trans-1,3-Dichloropropene	20.0	16.83		ug/L		84	67 - 123
trans-1,4-Dichloro-2-butene	20.0	17.89		ug/L		89	50 - 150
1,1,1-Trichloroethane	20.0	19.67		ug/L		98	69 - 130
1,1,2-Trichloroethane	20.0	16.71		ug/L		84	75 - 121
Trichloroethene	20.0	17.65		ug/L		88	70 - 128

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

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

Lab Sample ID: LCS 310-455442/7

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455442

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	20.0	17.01		ug/L		85	70 - 122
Vinyl acetate	40.0	30.89		ug/L		77	50 - 150
Xylenes, Total	40.0	37.38		ug/L		93	74 - 121

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	99		76 - 130
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120

Lab Sample ID: LCS 310-455442/8

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455442

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	20.70		ug/L		104	33 - 138
Chloroethane	20.0	20.27		ug/L		101	59 - 139
Chloromethane	20.0	18.31		ug/L		92	52 - 146
Trichlorofluoromethane	20.0	25.45		ug/L		127	55 - 150
Vinyl chloride	20.0	20.20		ug/L		101	60 - 142

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	117		76 - 130
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120

Lab Sample ID: MB 310-455664/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455664

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2-Butanone (MEK)	<10.0		10.0		ug/L			05/23/25 22:43	1
Acetone	<10.0		10.0		ug/L			05/23/25 22:43	1
Acrylonitrile	<10.0		10.0		ug/L			05/23/25 22:43	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/23/25 22:43	1
Benzene	<0.500		0.500		ug/L			05/23/25 22:43	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/23/25 22:43	1
Bromochloromethane	<5.00		5.00		ug/L			05/23/25 22:43	1
Bromodichloromethane	<1.00		1.00		ug/L			05/23/25 22:43	1
Bromoform	<5.00		5.00		ug/L			05/23/25 22:43	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/23/25 22:43	1
Bromomethane	<4.00		4.00		ug/L			05/23/25 22:43	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/23/25 22:43	1
Carbon disulfide	<1.00		1.00		ug/L			05/23/25 22:43	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/23/25 22:43	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/23/25 22:43	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/23/25 22:43	1
Chlorobenzene	<1.00		1.00		ug/L			05/23/25 22:43	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/23/25 22:43	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

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

Lab Sample ID: MB 310-455664/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455664

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	<5.00		5.00		ug/L			05/23/25 22:43	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/23/25 22:43	1
Chloroethane	<4.00		4.00		ug/L			05/23/25 22:43	1
Chloroform	<3.00		3.00		ug/L			05/23/25 22:43	1
2-Hexanone	<10.0		10.0		ug/L			05/23/25 22:43	1
Chloromethane	<3.00		3.00		ug/L			05/23/25 22:43	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/23/25 22:43	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/23/25 22:43	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/23/25 22:43	1
Dibromomethane	<1.00		1.00		ug/L			05/23/25 22:43	1
Ethylbenzene	<1.00		1.00		ug/L			05/23/25 22:43	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/23/25 22:43	1
Methylene Chloride	<5.00		5.00		ug/L			05/23/25 22:43	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/23/25 22:43	1
Styrene	<1.00		1.00		ug/L			05/23/25 22:43	1
Tetrachloroethene	<1.00		1.00		ug/L			05/23/25 22:43	1
Toluene	<1.00		1.00		ug/L			05/23/25 22:43	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/23/25 22:43	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/23/25 22:43	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/23/25 22:43	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/23/25 22:43	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/23/25 22:43	1
Trichloroethene	<1.00		1.00		ug/L			05/23/25 22:43	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/23/25 22:43	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/23/25 22:43	1
Vinyl acetate	<10.0		10.0		ug/L			05/23/25 22:43	1
Vinyl chloride	<1.00		1.00		ug/L			05/23/25 22:43	1
Xylenes, Total	<3.00		3.00		ug/L			05/23/25 22:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	114		76 - 130		05/23/25 22:43	1
Toluene-d8 (Surr)	94		80 - 120		05/23/25 22:43	1
4-Bromofluorobenzene (Surr)	100		80 - 120		05/23/25 22:43	1

Lab Sample ID: LCS 310-455664/7

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	40.0	37.47		ug/L		94	60 - 134
Acetone	40.0	41.13		ug/L		103	59 - 136
Acrylonitrile	200	189.2		ug/L		95	50 - 150
1,2-Dibromo-3-Chloropropane	20.0	19.53		ug/L		98	62 - 132
Benzene	20.0	19.56		ug/L		98	71 - 125
1,2-Dibromoethane (EDB)	20.0	19.35		ug/L		97	74 - 122
Bromochloromethane	20.0	21.50		ug/L		108	69 - 131
Bromodichloromethane	20.0	19.94		ug/L		100	70 - 122
Bromoform	20.0	19.26		ug/L		96	62 - 122

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

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

Lab Sample ID: LCS 310-455664/7

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	20.0	20.38		ug/L		102	74 - 120
1,4-Dichlorobenzene	20.0	19.55		ug/L		98	72 - 120
Carbon disulfide	20.0	20.29		ug/L		101	58 - 137
1,1-Dichloroethane	20.0	19.53		ug/L		98	69 - 127
Carbon tetrachloride	20.0	21.96		ug/L		110	63 - 136
1,2-Dichloroethane	20.0	19.41		ug/L		97	68 - 125
Chlorobenzene	20.0	19.48		ug/L		97	74 - 120
1,1-Dichloroethene	20.0	20.40		ug/L		102	64 - 134
Chlorodibromomethane	20.0	19.31		ug/L		97	69 - 121
1,2-Dichloropropane	20.0	20.32		ug/L		102	72 - 128
Chloroform	20.0	19.06		ug/L		95	72 - 122
2-Hexanone	40.0	37.86		ug/L		95	62 - 139
cis-1,2-Dichloroethene	20.0	19.43		ug/L		97	72 - 123
cis-1,3-Dichloropropene	20.0	19.91		ug/L		100	72 - 123
4-Methyl-2-pentanone (MIBK)	40.0	38.30		ug/L		96	62 - 136
Dibromomethane	20.0	18.75		ug/L		94	72 - 122
Ethylbenzene	20.0	20.03		ug/L		100	75 - 120
1,1,1,2-Tetrachloroethane	20.0	20.37		ug/L		102	70 - 121
Methylene Chloride	20.0	22.56		ug/L		113	72 - 128
1,1,2,2-Tetrachloroethane	20.0	20.12		ug/L		101	70 - 122
Styrene	20.0	20.96		ug/L		105	74 - 122
Tetrachloroethene	20.0	20.00		ug/L		100	70 - 128
Toluene	20.0	19.52		ug/L		98	74 - 120
trans-1,2-Dichloroethene	20.0	19.53		ug/L		98	67 - 127
trans-1,3-Dichloropropene	20.0	18.13		ug/L		91	67 - 123
trans-1,4-Dichloro-2-butene	20.0	20.92		ug/L		105	50 - 150
1,1,1-Trichloroethane	20.0	21.52		ug/L		108	69 - 130
1,1,2-Trichloroethane	20.0	19.92		ug/L		100	75 - 121
Trichloroethene	20.0	20.34		ug/L		102	70 - 128
1,2,3-Trichloropropane	20.0	20.87		ug/L		104	70 - 122
Vinyl acetate	40.0	37.02		ug/L		93	50 - 150
Xylenes, Total	40.0	40.93		ug/L		102	74 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	100		76 - 130
Toluene-d8 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120

Lab Sample ID: LCS 310-455664/8

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	17.38		ug/L		87	33 - 138
Chloroethane	20.0	19.49		ug/L		97	59 - 139
Chloromethane	20.0	19.63		ug/L		98	52 - 146
Trichlorofluoromethane	20.0	21.49		ug/L		107	55 - 150
Vinyl chloride	20.0	18.27		ug/L		91	60 - 142

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

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

Lab Sample ID: LCS 310-455664/8

Matrix: Water

Analysis Batch: 455664

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	114		76 - 130
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120

Lab Sample ID: 310-306964-5 MS

Matrix: Ground Water

Analysis Batch: 455664

Client Sample ID: MW-28

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	<10.0		50.0	40.61		ug/L		81	46 - 134
Acetone	<10.0		50.0	43.29		ug/L		87	39 - 141
Acrylonitrile	<10.0		250	189.9		ug/L		76	41 - 150
1,2-Dibromo-3-Chloropropane	<1.20		25.0	20.90		ug/L		84	44 - 138
Benzene	<0.500		25.0	18.83		ug/L		75	48 - 125
1,2-Dibromoethane (EDB)	<0.340		25.0	19.97		ug/L		80	60 - 122
Bromochloromethane	<5.00		25.0	20.91		ug/L		84	55 - 131
Bromodichloromethane	<1.00		25.0	20.36		ug/L		81	53 - 122
Bromoform	<5.00		25.0	20.05		ug/L		80	47 - 122
1,2-Dichlorobenzene	<1.00		25.0	21.11		ug/L		84	60 - 120
1,4-Dichlorobenzene	<1.00		25.0	19.88		ug/L		80	58 - 120
Carbon disulfide	<1.00		25.0	20.03		ug/L		80	45 - 137
1,1-Dichloroethane	<1.00		25.0	18.37		ug/L		73	53 - 127
Carbon tetrachloride	<2.00		25.0	20.81		ug/L		83	45 - 136
1,2-Dichloroethane	<1.00		25.0	19.37		ug/L		77	48 - 128
Chlorobenzene	<1.00		25.0	19.04		ug/L		76	59 - 120
1,1-Dichloroethene	<2.00		25.0	19.23		ug/L		77	51 - 134
Chlorodibromomethane	<5.00		25.0	20.08		ug/L		80	53 - 121
1,2-Dichloropropane	<1.00		25.0	19.78		ug/L		79	59 - 128
Chloroform	<3.00		25.0	18.22		ug/L		73	52 - 122
2-Hexanone	<10.0		50.0	41.47		ug/L		83	46 - 141
cis-1,2-Dichloroethene	<1.00		25.0	18.96		ug/L		76	51 - 123
cis-1,3-Dichloropropene	<5.00		25.0	19.14		ug/L		77	55 - 123
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	41.91		ug/L		84	49 - 138
Dibromomethane	<1.00		25.0	18.92		ug/L		76	57 - 122
Ethylbenzene	<1.00		25.0	19.33		ug/L		77	53 - 120
1,1,1,2-Tetrachloroethane	<1.00		25.0	20.48		ug/L		82	55 - 121
Methylene Chloride	<5.00		25.0	22.02		ug/L		88	59 - 128
1,1,2,2-Tetrachloroethane	<1.00		25.0	20.85		ug/L		83	55 - 123
Styrene	<1.00		25.0	20.43		ug/L		82	50 - 125
Tetrachloroethene	<1.00		25.0	18.69		ug/L		75	51 - 128
Toluene	<1.00		25.0	18.63		ug/L		75	52 - 120
trans-1,2-Dichloroethene	<1.00		25.0	18.94		ug/L		76	53 - 127
trans-1,3-Dichloropropene	<5.00		25.0	17.23		ug/L		69	50 - 123
trans-1,4-Dichloro-2-butene	<10.0		25.0	20.26		ug/L		81	28 - 150
1,1,1-Trichloroethane	<1.00		25.0	20.32		ug/L		81	53 - 130
1,1,2-Trichloroethane	<1.00		25.0	20.90		ug/L		84	60 - 121
Trichloroethene	<1.00		25.0	19.41		ug/L		78	50 - 128
1,2,3-Trichloropropane	<1.00		25.0	22.45		ug/L		90	56 - 122

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

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

Lab Sample ID: 310-306964-5 MS

Client Sample ID: MW-28

Matrix: Ground Water

Prep Type: Total/NA

Analysis Batch: 455664

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl acetate	<10.0		50.0	33.77		ug/L		68	31 - 150
Xylenes, Total	<3.00		50.0	39.60		ug/L		79	50 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	99		76 - 130
Toluene-d8 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120

Lab Sample ID: 310-306964-5 MSD

Client Sample ID: MW-28

Matrix: Ground Water

Prep Type: Total/NA

Analysis Batch: 455664

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Butanone (MEK)	<10.0		50.0	40.45		ug/L		81	46 - 134	0	23
Acetone	<10.0		50.0	47.52		ug/L		95	39 - 141	9	23
Acrylonitrile	<10.0		250	191.2		ug/L		76	41 - 150	1	20
1,2-Dibromo-3-Chloropropane	<1.20		25.0	22.24		ug/L		89	44 - 138	6	24
Benzene	<0.500		25.0	18.28		ug/L		73	48 - 125	3	20
1,2-Dibromoethane (EDB)	<0.340		25.0	19.87		ug/L		79	60 - 122	0	20
Bromochloromethane	<5.00		25.0	20.31		ug/L		81	55 - 131	3	21
Bromodichloromethane	<1.00		25.0	19.55		ug/L		78	53 - 122	4	20
Bromoform	<5.00		25.0	19.97		ug/L		80	47 - 122	0	20
1,2-Dichlorobenzene	<1.00		25.0	21.39		ug/L		86	60 - 120	1	20
1,4-Dichlorobenzene	<1.00		25.0	19.98		ug/L		80	58 - 120	0	20
Carbon disulfide	<1.00		25.0	18.06		ug/L		72	45 - 137	10	24
1,1-Dichloroethane	<1.00		25.0	18.08		ug/L		72	53 - 127	2	20
Carbon tetrachloride	<2.00		25.0	20.53		ug/L		82	45 - 136	1	20
1,2-Dichloroethane	<1.00		25.0	18.71		ug/L		75	48 - 128	3	20
Chlorobenzene	<1.00		25.0	18.76		ug/L		75	59 - 120	1	20
1,1-Dichloroethene	<2.00		25.0	18.64		ug/L		75	51 - 134	3	20
Chlorodibromomethane	<5.00		25.0	20.05		ug/L		80	53 - 121	0	20
1,2-Dichloropropane	<1.00		25.0	19.72		ug/L		79	59 - 128	0	20
Chloroform	<3.00		25.0	18.06		ug/L		72	52 - 122	1	20
2-Hexanone	<10.0		50.0	41.96		ug/L		84	46 - 141	1	20
cis-1,2-Dichloroethene	<1.00		25.0	18.22		ug/L		73	51 - 123	4	20
cis-1,3-Dichloropropene	<5.00		25.0	19.27		ug/L		77	55 - 123	1	20
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	42.89		ug/L		86	49 - 138	2	20
Dibromomethane	<1.00		25.0	18.53		ug/L		74	57 - 122	2	20
Ethylbenzene	<1.00		25.0	19.30		ug/L		77	53 - 120	0	20
1,1,1,2-Tetrachloroethane	<1.00		25.0	20.18		ug/L		81	55 - 121	1	20
Methylene Chloride	<5.00		25.0	21.18		ug/L		85	59 - 128	4	20
1,1,2,2-Tetrachloroethane	<1.00		25.0	21.07		ug/L		84	55 - 123	1	20
Styrene	<1.00		25.0	20.31		ug/L		81	50 - 125	1	20
Tetrachloroethene	<1.00		25.0	18.97		ug/L		76	51 - 128	1	20
Toluene	<1.00		25.0	18.37		ug/L		73	52 - 120	1	20
trans-1,2-Dichloroethene	<1.00		25.0	18.05		ug/L		72	53 - 127	5	20
trans-1,3-Dichloropropene	<5.00		25.0	17.45		ug/L		70	50 - 123	1	20
trans-1,4-Dichloro-2-butene	<10.0		25.0	20.75		ug/L		83	28 - 150	2	24

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

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

Lab Sample ID: 310-306964-5 MSD

Client Sample ID: MW-28

Matrix: Ground Water

Prep Type: Total/NA

Analysis Batch: 455664

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	<1.00		25.0	20.31		ug/L		81	53 - 130	0	20
1,1,2-Trichloroethane	<1.00		25.0	20.02		ug/L		80	60 - 121	4	20
Trichloroethene	<1.00		25.0	19.30		ug/L		77	50 - 128	1	20
1,2,3-Trichloropropane	<1.00		25.0	21.73		ug/L		87	56 - 122	3	21
Vinyl acetate	<10.0		50.0	36.14		ug/L		72	31 - 150	7	25
Xylenes, Total	<3.00		50.0	38.99		ug/L		78	50 - 122	2	20

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
Dibromofluoromethane (Surr)	98		76 - 130
Toluene-d8 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120

Lab Sample ID: MB 310-455746/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	<10.0		10.0		ug/L			05/27/25 11:42	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	93		76 - 130		05/27/25 11:42	1
Toluene-d8 (Surr)	101		80 - 120		05/27/25 11:42	1
4-Bromofluorobenzene (Surr)	105		80 - 120		05/27/25 11:42	1

Lab Sample ID: LCS 310-455746/6

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455746

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iodomethane	20.0	14.87		ug/L		74	18 - 150

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
Dibromofluoromethane (Surr)	83		76 - 130
Toluene-d8 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	107		80 - 120

Lab Sample ID: LCS 310-455746/7

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455746

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	6.634		ug/L		33	33 - 138
Chloroethane	20.0	18.24		ug/L		91	59 - 139
Chloromethane	20.0	14.30		ug/L		72	52 - 146
Trichlorofluoromethane	20.0	16.76		ug/L		84	55 - 150
Vinyl chloride	20.0	17.61		ug/L		88	60 - 142

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

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

Lab Sample ID: LCS 310-455746/7

Matrix: Water

Analysis Batch: 455746

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	93		76 - 130
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	104		80 - 120

Lab Sample ID: MB 310-455750/5

Matrix: Water

Analysis Batch: 455750

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	<10.0		10.0		ug/L			05/27/25 22:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	118		76 - 130					05/27/25 22:13	1
Toluene-d8 (Surr)	95		80 - 120					05/27/25 22:13	1
4-Bromofluorobenzene (Surr)	104		80 - 120					05/27/25 22:13	1

Lab Sample ID: LCS 310-455750/6

Matrix: Water

Analysis Batch: 455750

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Iodomethane	Added	Result	Qualifier	ug/L		68	Limits
	20.0	13.52					18 - 150
Surrogate	%Recovery	Qualifier	Limits				
Dibromofluoromethane (Surr)	93		76 - 130				
Toluene-d8 (Surr)	97		80 - 120				
4-Bromofluorobenzene (Surr)	99		80 - 120				

Lab Sample ID: LCS 310-455750/7

Matrix: Water

Analysis Batch: 455750

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Bromomethane	Added	Result	Qualifier	ug/L		47	Limits
	20.0	9.455					33 - 138
Chloroethane	20.0	22.51		ug/L		113	59 - 139
Chloromethane	20.0	18.61		ug/L		93	52 - 146
Trichlorofluoromethane	20.0	21.40		ug/L		107	55 - 150
Vinyl chloride	20.0	22.60		ug/L		113	60 - 142
Surrogate	%Recovery	Qualifier	Limits				
Dibromofluoromethane (Surr)	119		76 - 130				
Toluene-d8 (Surr)	97		80 - 120				
4-Bromofluorobenzene (Surr)	103		80 - 120				

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

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

Lab Sample ID: MB 310-455897/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455897

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	<10.0		10.0		ug/L			05/28/25 19:36	1
Acetone	<10.0		10.0		ug/L			05/28/25 19:36	1
Acrylonitrile	<10.0		10.0		ug/L			05/28/25 19:36	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			05/28/25 19:36	1
Benzene	<0.500		0.500		ug/L			05/28/25 19:36	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			05/28/25 19:36	1
Bromochloromethane	<5.00		5.00		ug/L			05/28/25 19:36	1
Bromodichloromethane	<1.00		1.00		ug/L			05/28/25 19:36	1
Bromoform	<5.00		5.00		ug/L			05/28/25 19:36	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			05/28/25 19:36	1
Bromomethane	<4.00		4.00		ug/L			05/28/25 19:36	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			05/28/25 19:36	1
Carbon disulfide	<1.00		1.00		ug/L			05/28/25 19:36	1
1,1-Dichloroethane	<1.00		1.00		ug/L			05/28/25 19:36	1
Carbon tetrachloride	<2.00		2.00		ug/L			05/28/25 19:36	1
1,2-Dichloroethane	<1.00		1.00		ug/L			05/28/25 19:36	1
Chlorobenzene	<1.00		1.00		ug/L			05/28/25 19:36	1
1,1-Dichloroethene	<2.00		2.00		ug/L			05/28/25 19:36	1
Chlorodibromomethane	<5.00		5.00		ug/L			05/28/25 19:36	1
1,2-Dichloropropane	<1.00		1.00		ug/L			05/28/25 19:36	1
Chloroethane	<4.00		4.00		ug/L			05/28/25 19:36	1
Chloroform	<3.00		3.00		ug/L			05/28/25 19:36	1
2-Hexanone	<10.0		10.0		ug/L			05/28/25 19:36	1
Chloromethane	<3.00		3.00		ug/L			05/28/25 19:36	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			05/28/25 19:36	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			05/28/25 19:36	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			05/28/25 19:36	1
Dibromomethane	<1.00		1.00		ug/L			05/28/25 19:36	1
Ethylbenzene	<1.00		1.00		ug/L			05/28/25 19:36	1
Iodomethane	<10.0		10.0		ug/L			05/28/25 19:36	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			05/28/25 19:36	1
Methylene Chloride	<5.00		5.00		ug/L			05/28/25 19:36	1
1,1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			05/28/25 19:36	1
Styrene	<1.00		1.00		ug/L			05/28/25 19:36	1
Tetrachloroethene	<1.00		1.00		ug/L			05/28/25 19:36	1
Toluene	<1.00		1.00		ug/L			05/28/25 19:36	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			05/28/25 19:36	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			05/28/25 19:36	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			05/28/25 19:36	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			05/28/25 19:36	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			05/28/25 19:36	1
Trichloroethene	<1.00		1.00		ug/L			05/28/25 19:36	1
Trichlorofluoromethane	<4.00		4.00		ug/L			05/28/25 19:36	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			05/28/25 19:36	1
Vinyl acetate	<10.0		10.0		ug/L			05/28/25 19:36	1
Vinyl chloride	<1.00		1.00		ug/L			05/28/25 19:36	1
Xylenes, Total	<3.00		3.00		ug/L			05/28/25 19:36	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

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

Lab Sample ID: MB 310-455897/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455897

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		76 - 130		05/28/25 19:36	1
Toluene-d8 (Surr)	96		80 - 120		05/28/25 19:36	1
4-Bromofluorobenzene (Surr)	100		80 - 120		05/28/25 19:36	1

Lab Sample ID: LCS 310-455897/7

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	40.0	39.05		ug/L		98	60 - 134
Acetone	40.0	42.65		ug/L		107	59 - 136
Acrylonitrile	200	187.3		ug/L		94	50 - 150
1,2-Dibromo-3-Chloropropane	20.0	21.41		ug/L		107	62 - 132
Benzene	20.0	20.07		ug/L		100	71 - 125
1,2-Dibromoethane (EDB)	20.0	20.15		ug/L		101	74 - 122
Bromochloromethane	20.0	22.07		ug/L		110	69 - 131
Bromodichloromethane	20.0	20.54		ug/L		103	70 - 122
Bromoform	20.0	19.10		ug/L		95	62 - 122
1,2-Dichlorobenzene	20.0	20.92		ug/L		105	74 - 120
1,4-Dichlorobenzene	20.0	19.79		ug/L		99	72 - 120
Carbon disulfide	20.0	18.26		ug/L		91	58 - 137
1,1-Dichloroethane	20.0	19.13		ug/L		96	69 - 127
Carbon tetrachloride	20.0	23.21		ug/L		116	63 - 136
1,2-Dichloroethane	20.0	20.36		ug/L		102	68 - 125
Chlorobenzene	20.0	19.55		ug/L		98	74 - 120
1,1-Dichloroethene	20.0	19.26		ug/L		96	64 - 134
Chlorodibromomethane	20.0	20.80		ug/L		104	69 - 121
1,2-Dichloropropane	20.0	20.51		ug/L		103	72 - 128
Chloroform	20.0	19.71		ug/L		99	72 - 122
2-Hexanone	40.0	40.78		ug/L		102	62 - 139
cis-1,2-Dichloroethene	20.0	19.87		ug/L		99	72 - 123
cis-1,3-Dichloropropene	20.0	21.04		ug/L		105	72 - 123
4-Methyl-2-pentanone (MIBK)	40.0	40.45		ug/L		101	62 - 136
Dibromomethane	20.0	19.46		ug/L		97	72 - 122
Ethylbenzene	20.0	20.43		ug/L		102	75 - 120
Iodomethane	20.0	11.18		ug/L		56	18 - 150
1,1,1,2-Tetrachloroethane	20.0	21.09		ug/L		105	70 - 121
Methylene Chloride	20.0	21.95		ug/L		110	72 - 128
1,1,2,2-Tetrachloroethane	20.0	20.37		ug/L		102	70 - 122
Styrene	20.0	21.24		ug/L		106	74 - 122
Tetrachloroethene	20.0	20.17		ug/L		101	70 - 128
Toluene	20.0	20.20		ug/L		101	74 - 120
trans-1,2-Dichloroethene	20.0	19.55		ug/L		98	67 - 127
trans-1,3-Dichloropropene	20.0	18.84		ug/L		94	67 - 123
trans-1,4-Dichloro-2-butene	20.0	21.51		ug/L		108	50 - 150
1,1,1-Trichloroethane	20.0	23.05		ug/L		115	69 - 130
1,1,2-Trichloroethane	20.0	20.83		ug/L		104	75 - 121
Trichloroethene	20.0	20.96		ug/L		105	70 - 128

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

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

Lab Sample ID: LCS 310-455897/7

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	20.0	21.17		ug/L		106	70 - 122
Vinyl acetate	40.0	37.78		ug/L		94	50 - 150
Xylenes, Total	40.0	41.76		ug/L		104	74 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	100		76 - 130
Toluene-d8 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120

Lab Sample ID: LCS 310-455897/8

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 455897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	21.90		ug/L		109	33 - 138
Chloroethane	20.0	24.86		ug/L		124	59 - 139
Chloromethane	20.0	24.11		ug/L		121	52 - 146
Trichlorofluoromethane	20.0	28.64		ug/L		143	55 - 150
Vinyl chloride	20.0	23.35		ug/L		117	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	115		76 - 130
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-455679/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 456144

Prep Batch: 455679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 17:33	1
Arsenic	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 17:33	1
Barium	<0.00200		0.00200		mg/L		05/27/25 09:00	05/29/25 17:33	1
Cadmium	<0.000200		0.000200		mg/L		05/27/25 09:00	05/29/25 17:33	1
Lead	<0.000500		0.000500		mg/L		05/27/25 09:00	05/29/25 17:33	1
Selenium	<0.00500		0.00500		mg/L		05/27/25 09:00	05/29/25 17:33	1
Silver	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 17:33	1
Thallium	<0.00100		0.00100		mg/L		05/27/25 09:00	05/29/25 17:33	1
Zinc	<0.0200		0.0200		mg/L		05/27/25 09:00	05/29/25 17:33	1

Lab Sample ID: MB 310-455679/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 456366

Prep Batch: 455679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00100		0.00100		mg/L		05/27/25 09:00	06/02/25 12:53	1
Chromium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 12:53	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-455679/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 456366

Prep Batch: 455679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.000500		0.000500		mg/L		05/27/25 09:00	06/02/25 12:53	1
Copper	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 12:53	1
Nickel	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 12:53	1
Vanadium	<0.00500		0.00500		mg/L		05/27/25 09:00	06/02/25 12:53	1

Lab Sample ID: LCS 310-455679/2-A

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 456144

Prep Batch: 455679

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2168		mg/L		108	80 - 120
Arsenic	0.200	0.1917		mg/L		96	80 - 120
Barium	0.100	0.1032		mg/L		103	80 - 120
Cadmium	0.100	0.1000		mg/L		100	80 - 120
Lead	0.200	0.1986		mg/L		99	80 - 120
Selenium	0.400	0.3907		mg/L		98	80 - 120
Silver	0.100	0.1203		mg/L		120	80 - 120
Thallium	0.100	0.09441		mg/L		94	80 - 120
Zinc	0.200	0.1789		mg/L		89	80 - 120

Lab Sample ID: LCS 310-455679/2-A

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 456366

Prep Batch: 455679

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.100	0.09730		mg/L		97	80 - 120
Chromium	0.100	0.1014		mg/L		101	80 - 120
Cobalt	0.100	0.1013		mg/L		101	80 - 120
Copper	0.200	0.2062		mg/L		103	80 - 120
Nickel	0.200	0.2036		mg/L		102	80 - 120
Vanadium	0.100	0.1008		mg/L		101	80 - 120

Lab Sample ID: 310-306964-8 DU

Client Sample ID: MW-DS

Matrix: Ground Water

Prep Type: Total/NA

Analysis Batch: 456144

Prep Batch: 455679

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00200		<0.00200		mg/L		NC	20
Arsenic	<0.00200		<0.00200		mg/L		NC	20
Barium	0.330		0.3287		mg/L		0.3	20
Cadmium	<0.000200		0.0002460		mg/L		NC	20
Lead	0.00347		0.003528		mg/L		2	20
Selenium	<0.00500		<0.00500		mg/L		NC	20
Silver	<0.00100		<0.00100		mg/L		NC	20
Thallium	<0.00100		<0.00100		mg/L		NC	20
Zinc	<0.0200		<0.0200		mg/L		NC	20

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-306964-8 DU

Matrix: Ground Water

Analysis Batch: 456366

Client Sample ID: MW-DS

Prep Type: Total/NA

Prep Batch: 455679

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Beryllium	<0.00100		<0.00100		mg/L		NC	20
Chromium	<0.00500		<0.00500		mg/L		NC	20
Cobalt	0.000898		0.0009190		mg/L		2	20
Copper	<0.00500		<0.00500		mg/L		NC	20
Nickel	<0.00500		<0.00500		mg/L		NC	20
Vanadium	<0.00500		<0.00500		mg/L		NC	20

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-455500/1

Matrix: Water

Analysis Batch: 455500

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			05/22/25 15:05	1

Lab Sample ID: LCS 310-455500/2

Matrix: Water

Analysis Batch: 455500

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	99.00		mg/L		99	81 - 116

Lab Sample ID: MB 310-455515/1

Matrix: Water

Analysis Batch: 455515

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			05/22/25 16:07	1

Lab Sample ID: LCS 310-455515/2

Matrix: Water

Analysis Batch: 455515

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	99.00		mg/L		99	81 - 116

Lab Sample ID: MB 310-455550/1

Matrix: Water

Analysis Batch: 455550

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			05/23/25 07:53	1

Lab Sample ID: LCS 310-455550/2

Matrix: Water

Analysis Batch: 455550

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	101.0		mg/L		101	81 - 116

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

GC/MS VOA

Analysis Batch: 455442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306964-1	MW-19R	Total/NA	Ground Water	8260D	
310-306964-3	MW-23	Total/NA	Ground Water	8260D	
310-306964-4	MW-24	Total/NA	Ground Water	8260D	
MB 310-455442/6	Method Blank	Total/NA	Water	8260D	
LCS 310-455442/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-455442/8	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 455664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306964-2	MW-22	Total/NA	Ground Water	8260D	
310-306964-5	MW-28	Total/NA	Ground Water	8260D	
310-306964-6	MW-29	Total/NA	Ground Water	8260D	
310-306964-7	GU-1	Total/NA	Ground Water	8260D	
310-306964-8	MW-DS	Total/NA	Ground Water	8260D	
310-306964-9	Trip Blank 1	Total/NA	Water	8260D	
310-306964-10	Trip Blank 2	Total/NA	Water	8260D	
MB 310-455664/6	Method Blank	Total/NA	Water	8260D	
LCS 310-455664/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-455664/8	Lab Control Sample	Total/NA	Water	8260D	
310-306964-5 MS	MW-28	Total/NA	Ground Water	8260D	
310-306964-5 MSD	MW-28	Total/NA	Ground Water	8260D	

Analysis Batch: 455746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306964-6	MW-29	Total/NA	Ground Water	8260D	
310-306964-7	GU-1	Total/NA	Ground Water	8260D	
310-306964-9	Trip Blank 1	Total/NA	Water	8260D	
310-306964-10	Trip Blank 2	Total/NA	Water	8260D	
MB 310-455746/5	Method Blank	Total/NA	Water	8260D	
LCS 310-455746/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-455746/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 455750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306964-2	MW-22	Total/NA	Ground Water	8260D	
310-306964-5	MW-28	Total/NA	Ground Water	8260D	
310-306964-8	MW-DS	Total/NA	Ground Water	8260D	
MB 310-455750/5	Method Blank	Total/NA	Water	8260D	
LCS 310-455750/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-455750/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 455897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306964-3	MW-23	Total/NA	Ground Water	8260D	
310-306964-4	MW-24	Total/NA	Ground Water	8260D	
MB 310-455897/6	Method Blank	Total/NA	Water	8260D	
LCS 310-455897/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-455897/8	Lab Control Sample	Total/NA	Water	8260D	

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

Metals

Prep Batch: 455679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306964-1	MW-19R	Total/NA	Ground Water	3005A	
310-306964-2	MW-22	Total/NA	Ground Water	3005A	
310-306964-3	MW-23	Total/NA	Ground Water	3005A	
310-306964-4	MW-24	Total/NA	Ground Water	3005A	
310-306964-5	MW-28	Total/NA	Ground Water	3005A	
310-306964-6	MW-29	Total/NA	Ground Water	3005A	
310-306964-7	GU-1	Total/NA	Ground Water	3005A	
310-306964-8	MW-DS	Total/NA	Ground Water	3005A	
MB 310-455679/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-455679/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-306964-8 DU	MW-DS	Total/NA	Ground Water	3005A	

Analysis Batch: 456144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306964-1	MW-19R	Total/NA	Ground Water	6020B	455679
310-306964-2	MW-22	Total/NA	Ground Water	6020B	455679
310-306964-3	MW-23	Total/NA	Ground Water	6020B	455679
310-306964-4	MW-24	Total/NA	Ground Water	6020B	455679
310-306964-5	MW-28	Total/NA	Ground Water	6020B	455679
310-306964-6	MW-29	Total/NA	Ground Water	6020B	455679
310-306964-7	GU-1	Total/NA	Ground Water	6020B	455679
310-306964-8	MW-DS	Total/NA	Ground Water	6020B	455679
MB 310-455679/1-A	Method Blank	Total/NA	Water	6020B	455679
LCS 310-455679/2-A	Lab Control Sample	Total/NA	Water	6020B	455679
310-306964-8 DU	MW-DS	Total/NA	Ground Water	6020B	455679

Analysis Batch: 456366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306964-1	MW-19R	Total/NA	Ground Water	6020B	455679
310-306964-2	MW-22	Total/NA	Ground Water	6020B	455679
310-306964-3	MW-23	Total/NA	Ground Water	6020B	455679
310-306964-4	MW-24	Total/NA	Ground Water	6020B	455679
310-306964-5	MW-28	Total/NA	Ground Water	6020B	455679
310-306964-6	MW-29	Total/NA	Ground Water	6020B	455679
310-306964-7	GU-1	Total/NA	Ground Water	6020B	455679
310-306964-8	MW-DS	Total/NA	Ground Water	6020B	455679
MB 310-455679/1-A	Method Blank	Total/NA	Water	6020B	455679
LCS 310-455679/2-A	Lab Control Sample	Total/NA	Water	6020B	455679
310-306964-8 DU	MW-DS	Total/NA	Ground Water	6020B	455679

General Chemistry

Analysis Batch: 455500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306964-1	MW-19R	Total/NA	Ground Water	I-3765-85	
310-306964-2	MW-22	Total/NA	Ground Water	I-3765-85	
310-306964-5	MW-28	Total/NA	Ground Water	I-3765-85	
310-306964-8	MW-DS	Total/NA	Ground Water	I-3765-85	
MB 310-455500/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-455500/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

General Chemistry

Analysis Batch: 455515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306964-3	MW-23	Total/NA	Ground Water	I-3765-85	
MB 310-455515/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-455515/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 455550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306964-4	MW-24	Total/NA	Ground Water	I-3765-85	
310-306964-6	MW-29	Total/NA	Ground Water	I-3765-85	
310-306964-7	GU-1	Total/NA	Ground Water	I-3765-85	
MB 310-455550/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-455550/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Lab Chronicle

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-19R

Lab Sample ID: 310-306964-1

Date Collected: 05/19/25 18:58

Matrix: Ground Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	455442	WSE8	EET CF	05/23/25 04:28
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456366	NFT2	EET CF	06/02/25 13:05
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456144	NFT2	EET CF	05/29/25 18:03
Total/NA	Analysis	I-3765-85		1	455500	WZC8	EET CF	05/22/25 15:05

Client Sample ID: MW-22

Lab Sample ID: 310-306964-2

Date Collected: 05/19/25 19:43

Matrix: Ground Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	455750	WSE8	EET CF	05/28/25 03:18
Total/NA	Analysis	8260D		1	455664	WSE8	EET CF	05/24/25 06:15
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456366	NFT2	EET CF	06/02/25 13:07
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456144	NFT2	EET CF	05/29/25 18:06
Total/NA	Analysis	I-3765-85		1	455500	WZC8	EET CF	05/22/25 15:05

Client Sample ID: MW-23

Lab Sample ID: 310-306964-3

Date Collected: 05/20/25 10:17

Matrix: Ground Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	455442	WSE8	EET CF	05/23/25 05:13
Total/NA	Analysis	8260D		1	455897	WSE8	EET CF	05/28/25 21:28
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456366	NFT2	EET CF	06/02/25 13:10
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456144	NFT2	EET CF	05/29/25 18:09
Total/NA	Analysis	I-3765-85		1	455515	WZC8	EET CF	05/22/25 16:07

Client Sample ID: MW-24

Lab Sample ID: 310-306964-4

Date Collected: 05/20/25 11:04

Matrix: Ground Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	455442	WSE8	EET CF	05/23/25 05:36
Total/NA	Analysis	8260D		1	455897	WSE8	EET CF	05/28/25 21:50
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456366	NFT2	EET CF	06/02/25 13:12
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456144	NFT2	EET CF	05/29/25 18:12

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-24

Lab Sample ID: 310-306964-4

Date Collected: 05/20/25 11:04

Matrix: Ground Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	I-3765-85		1	455550	DGU1	EET CF	05/23/25 07:53

Client Sample ID: MW-28

Lab Sample ID: 310-306964-5

Date Collected: 05/19/25 17:50

Matrix: Ground Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	455750	WSE8	EET CF	05/28/25 03:40
Total/NA	Analysis	8260D		1	455664	WSE8	EET CF	05/24/25 03:14
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456366	NFT2	EET CF	06/02/25 13:15
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456144	NFT2	EET CF	05/29/25 18:15
Total/NA	Analysis	I-3765-85		1	455500	WZC8	EET CF	05/22/25 15:05

Client Sample ID: MW-29

Lab Sample ID: 310-306964-6

Date Collected: 05/20/25 09:21

Matrix: Ground Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	455746	WSE8	EET CF	05/27/25 14:36
Total/NA	Analysis	8260D		1	455664	WSE8	EET CF	05/24/25 03:37
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456366	NFT2	EET CF	06/02/25 13:17
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456144	NFT2	EET CF	05/29/25 18:18
Total/NA	Analysis	I-3765-85		1	455550	DGU1	EET CF	05/23/25 07:53

Client Sample ID: GU-1

Lab Sample ID: 310-306964-7

Date Collected: 05/20/25 10:45

Matrix: Ground Water

Date Received: 05/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	455746	WSE8	EET CF	05/27/25 14:58
Total/NA	Analysis	8260D		1	455664	WSE8	EET CF	05/24/25 04:00
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456366	NFT2	EET CF	06/02/25 13:19
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456144	NFT2	EET CF	05/29/25 18:27
Total/NA	Analysis	I-3765-85		1	455550	DGU1	EET CF	05/23/25 07:53

Lab Chronicle

Client: SCS Engineers
Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

Job ID: 310-306964-1
SDG: Montgomery County Sanitary Landfill (South Unit)

Client Sample ID: MW-DS

Date Collected: 05/19/25 18:58

Date Received: 05/21/25 16:00

Lab Sample ID: 310-306964-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	455750	WSE8	EET CF	05/28/25 04:01
Total/NA	Analysis	8260D		1	455664	WSE8	EET CF	05/24/25 04:22
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456366	NFT2	EET CF	06/02/25 13:22
Total/NA	Prep	3005A			455679	WK2X	EET CF	05/27/25 09:00
Total/NA	Analysis	6020B		1	456144	NFT2	EET CF	05/29/25 18:30
Total/NA	Analysis	I-3765-85		1	455500	WZC8	EET CF	05/22/25 15:05

Client Sample ID: Trip Blank 1

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 16:00

Lab Sample ID: 310-306964-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	455746	WSE8	EET CF	05/27/25 12:47
Total/NA	Analysis	8260D		1	455664	WSE8	EET CF	05/24/25 00:14

Client Sample ID: Trip Blank 2

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 16:00

Lab Sample ID: 310-306964-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	455746	WSE8	EET CF	05/27/25 13:09
Total/NA	Analysis	8260D		1	455664	WSE8	EET CF	05/24/25 00:36

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

Accreditation/Certification Summary

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Method Summary

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401



Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client. <u>SCS</u>			
City/State:	CITY <u>West Des Moines</u>	STATE <u>IA</u>	Project.
Receipt Information			
Date/Time Received:	DATE <u>5/21/25</u>	TIME <u>1600</u>	Received By. <u>BP</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID:
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>1</u> of <u>2</u>
Cooler Custody Seals Present?		☐ Yes ☒ No	If yes: Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☐ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☒ Yes ☐ No	If yes: Which VOA samples are in cooler? ↓
<u>amber unpreserved trip blank, clear HCl trip blank, MW-19R, MW-22, MW-23, MW-24, MW-28, MW-DS</u>			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>2</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.3</u>		Corrected Temp (°C): <u>0.3</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1		CONTAINER 2
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No			
a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			
<u>MWDS received not marked as sampled on COC</u>			
<u>not data on time on COC or containers used 5/21/25</u>			



Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCS</u>			
City/State:	CITY <u>West Des Moines</u>	STATE <u>IA</u>	Project
Receipt Information			
Date/Time Received:	DATE <u>5/21/25</u>	TIME <u>1600</u>	Received By: <u>BP</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID:
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>2</u> of <u>2</u>
Cooler Custody Seals Present?		☐ Yes ☒ No	If yes: Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☒ Yes ☐ No	If yes: Which VOA samples are in cooler? ↓
<u>amber unpreserved TB, clear HCl TB, MW-29, GU-1</u>			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>Z</u>		Correction Factor (°C) <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.0</u>		Corrected Temp (°C): <u>0.0</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact		Project Manager: Ben Madson		Site Contact: Ben Madson		Date: 1 of 1				
SCS Engineers		Email: bmadson@scsengineers.com		Lab Contact: Samuel Miller		Carrier:				
1690 All-State Court, Suite 100		Cell: 515-776-9255				Sampler				
West Des Moines, IA 50265		Analysis Turnaround Time				For Lab Use Only:				
515-631-6160		☐ CALENDAR DAYS ☐ WORKING DAYS Other: ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day				Walk-in Client: Lab Sampling				
Project Name: 1st 2025 Semi-Annual Sampling (HMSP)						Job / SDG No.				
Site: Montgomery County Sanitary Landfill (South Unit)										
P O # 27225095 02										
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Appendix I	TSS	Trip Blank	Sample Specific
MW-19R	5-19	18:58	G	GW			X	X		Def.
MW-22	5-19	19:43	G	GW			X	X		
MW-23	5-20	10:17	G	GW			X	X		
MW-24	5-20	11:04	G	GW			X	X		
MW-28	5-19	17:50	G	GW			X	X		
MW-29	5-20	9:21	G	GW			X	X		
GU-1	5-20	10:45	G	GW			X	X		
GU-2	5-20	10:45	G	GW			X	X		
MW-DS			G	GW			X	X		
Trip Blank									X	Include trip blanks in every VOC sample container

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Custody Seals Intact:	☐ Yes ☐ No	Custody Seal No.	Company	Received by	Date/Time	Therm ID No.
Relinquished by		Garrett Horvath	SCS		5-21 11:22	
Relinquished by						
Relinquished by						

Received in Laboratory by: BP

Company: Eurofins

Date/Time: 5/21/25 1600

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-306964-1

SDG Number: Montgomery County Sanitary Landfill (South Unit)

Login Number: 306964

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	MW-DS not marked on COC with collection time, but samples containers received.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No date or time on containers or COC for MW-DS.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Quantitation Limit Exceptions Summary

Client: SCS Engineers

Job ID: 310-306964-1

Project/Site: 1st 2025 Semi-Annual Sampling (HMSP)

SDG: Montgomery County Sanitary Landfill (South Unit)

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260D	1,2-Dibromo-3-Chloropropane	Ground Water	Total/NA	ug/L	1.20	5
8260D	1,2-Dibromo-3-Chloropropane	Water	Total/NA	ug/L	1.20	5
8260D	1,2-Dibromoethane (EDB)	Ground Water	Total/NA	ug/L	0.340	1
8260D	1,2-Dibromoethane (EDB)	Water	Total/NA	ug/L	0.340	1

ANALYTICAL REPORT

PREPARED FOR

Attn: Sean Marczewski
SCS Engineers
1690 All State Court
Suite 100

West Des Moines, Iowa 50265

Generated 2/20/2026 11:33:46 AM Revision 1

JOB DESCRIPTION

Montgomery County (North) - 2nd 2025 Semi-Annual

JOB NUMBER

310-321530-1

Eurofins Cedar Falls

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



Authorized for release by
Samuel Miller, Project Management Assistant I
Samuel.Miller@et.eurofinsus.com
(319)595-2008

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Revision 1

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Case Narrative

Client: SCS Engineers
Project: Montgomery County (North) - 2nd 2025 Semi-Annual

Job ID: 310-321530-1

Job ID: 310-321530-1

Eurofins Cedar Falls

Job Narrative 310-321530-1

REVISION

The report being provided is a revision of the original report sent on 12/14/2025. The report (revision 1) is being revised due to Updated NCM for volatile result.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 11/26/2025 6:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.9°C and 2.3°C.

GC/MS VOA

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested Acrylonitrile. The following samples are impacted. MW-27 (310-321530-12)

Method 8260D: The following sample was analyzed outside of analytical holding time for Acrylonitrile due to instrument error: MW-27 (310-321530-12).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-475233 recovered above the upper control limit for Carbon tetrachloride (22%D). The LCS associated with this CCV passed CCV criteria for the affected analyte; therefore, the data have been reported. The associated sample is:(CCV 310-475233/3).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-475115 recovered above the upper control limit for Carbon tetrachloride (30%D). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is:(CCV 310-475115/3).

Method 8260D: The method requirement for no headspace was not met. The following volatile samples were analyzed with headspace in the sample container: Trip Blank 1 (310-321530-16) and Trip Blank 2 (310-321530-17).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides

Method 8081B: The following sample(s) was prepared outside of preparation holding time due to analyst error

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 9034: The following samples were received at the Chicago Lab outside of holding time: MW-11 (310-321530-1), MW-12

Eurofins Cedar Falls

Case Narrative

Client: SCS Engineers
Project: Montgomery County (North) - 2nd 2025 Semi-Annual

Job ID: 310-321530-1

Job ID: 310-321530-1 (Continued)

Eurofins Cedar Falls

(310-321530-2), MW-5 (310-321530-4), MW-8 (310-321530-7), MW-14 (310-321530-9) and MW-16 (310-321530-11).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Cedar Falls

Sample Summary

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-321530-1	MW-11	Water	11/24/25 15:26	11/26/25 18:45	Iowa
310-321530-2	MW-12	Water	11/24/25 14:28	11/26/25 18:45	Iowa
310-321530-3	MW-4	Water	11/25/25 13:12	11/26/25 18:45	Iowa
310-321530-4	MW-5	Water	11/25/25 12:16	11/26/25 18:45	Iowa
310-321530-5	MW-6	Water	11/25/25 11:45	11/26/25 18:45	Iowa
310-321530-6	MW-7R	Water	11/25/25 10:19	11/26/25 18:45	Iowa
310-321530-7	MW-8	Water	11/25/25 08:50	11/26/25 18:45	Iowa
310-321530-8	MW-9	Water	11/25/25 08:19	11/26/25 18:45	Iowa
310-321530-9	MW-14	Water	11/24/25 13:26	11/26/25 18:45	Iowa
310-321530-10	MW-15	Water	11/24/25 12:40	11/26/25 18:45	Iowa
310-321530-11	MW-16	Water	11/24/25 11:56	11/26/25 18:45	Iowa
310-321530-12	MW-27	Water	11/24/25 17:02	11/26/25 18:45	Iowa
310-321530-13	MW-7	Water	11/25/25 09:41	11/26/25 18:45	Iowa
310-321530-14	MW-31	Water	11/25/25 10:58	11/26/25 18:45	Iowa
310-321530-15	MW-DN	Water	11/24/25 17:02	11/26/25 18:45	Iowa
310-321530-16	Trip Blank 1	Water	11/25/25 00:00	11/26/25 18:45	Iowa
310-321530-17	Trip Blank 2	Water	11/25/25 00:00	11/26/25 18:45	Iowa

Detection Summary

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-11

Lab Sample ID: 310-321530-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.196		0.00200		mg/L	1		6020B	Total/NA
Zinc	0.0698		0.0200		mg/L	1		6020B	Total/NA

Client Sample ID: MW-12

Lab Sample ID: 310-321530-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.207		0.00200		mg/L	1		6020B	Total/NA

Client Sample ID: MW-4

Lab Sample ID: 310-321530-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.200		0.00200		mg/L	1		6020B	Total/NA

Client Sample ID: MW-5

Lab Sample ID: 310-321530-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.164		0.00200		mg/L	1		6020B	Total/NA
Cadmium	0.000205		0.000200		mg/L	1		6020B	Total/NA
Nickel	0.00748		0.00500		mg/L	1		6020B	Total/NA

Client Sample ID: MW-6

Lab Sample ID: 310-321530-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.177		0.00200		mg/L	1		6020B	Total/NA

Client Sample ID: MW-7R

Lab Sample ID: 310-321530-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.33		1.00		ug/L	1		8260D	Total/NA
Sulfate	16.4		5.00		mg/L	5		9056A	Total/NA
Barium	1.22		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.00106		0.000500		mg/L	1		6020B	Total/NA
Manganese	2.31		0.0100		mg/L	1		6020B	Total/NA
Nickel	0.118		0.00500		mg/L	1		6020B	Total/NA
Total Suspended Solids	2.0		1.9		mg/L	1		I-3765-85	Total/NA
Chemical Oxygen Demand	61.2		25.0		mg/L	5		SM 5220D	Total/NA

Client Sample ID: MW-8

Lab Sample ID: 310-321530-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.119		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.00121		0.000500		mg/L	1		6020B	Total/NA
Total Suspended Solids	2.5		1.9		mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-9

Lab Sample ID: 310-321530-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.171		0.00200		mg/L	1		6020B	Total/NA

Client Sample ID: MW-14

Lab Sample ID: 310-321530-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.808		0.00200		mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-15

Lab Sample ID: 310-321530-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.107		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.000583		0.000500		mg/L	1		6020B	Total/NA

Client Sample ID: MW-16

Lab Sample ID: 310-321530-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.87		1.00		ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	2.55		1.00		ug/L	1		8260D	Total/NA
Chlorobenzene	8.18		1.00		ug/L	1		8260D	Total/NA
Barium	0.665		0.00200		mg/L	1		6020B	Total/NA
Nickel	0.00616		0.00500		mg/L	1		6020B	Total/NA

Client Sample ID: MW-27

Lab Sample ID: 310-321530-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.282		0.00200		mg/L	1		6020B	Total/NA
Total Suspended Solids	38.0		1.9		mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-7

Lab Sample ID: 310-321530-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	7.21		5.00		mg/L	5		9056A	Total/NA
Barium	2.09		0.00200		mg/L	1		6020B	Total/NA
Nickel	0.145		0.00500		mg/L	1		6020B	Total/NA
Iron	0.794		0.100		mg/L	1		6020B	Total/NA
Manganese	4.29		0.0100		mg/L	1		6020B	Total/NA
Total Suspended Solids	2.3		1.9		mg/L	1		I-3765-85	Total/NA
Chemical Oxygen Demand	38.9		25.0		mg/L	5		SM 5220D	Total/NA

Client Sample ID: MW-31

Lab Sample ID: 310-321530-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	12.0		5.00		mg/L	5		9056A	Total/NA
Barium	0.293		0.00200		mg/L	1		6020B	Total/NA
Nickel	0.0218		0.00500		mg/L	1		6020B	Total/NA
Manganese	1.74		0.0100		mg/L	1		6020B	Total/NA

Client Sample ID: MW-DN

Lab Sample ID: 310-321530-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.278		0.00200		mg/L	1		6020B	Total/NA
Total Suspended Solids	38.3		1.9		mg/L	1		I-3765-85	Total/NA

Client Sample ID: Trip Blank 1

Lab Sample ID: 310-321530-16

No Detections.

Client Sample ID: Trip Blank 2

Lab Sample ID: 310-321530-17

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-11

Lab Sample ID: 310-321530-1

Date Collected: 11/24/25 15:26

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		12/03/25 09:00	12/06/25 19:23	1
Barium	0.196		0.00200		mg/L		12/03/25 09:00	12/08/25 17:11	1
Cadmium	<0.000200		0.000200		mg/L		12/03/25 09:00	12/06/25 19:23	1
Cobalt	<0.000500		0.000500		mg/L		12/03/25 09:00	12/06/25 19:23	1
Copper	<0.00500		0.00500		mg/L		12/03/25 09:00	12/08/25 17:11	1
Lead	<0.000500		0.000500		mg/L		12/03/25 09:00	12/06/25 19:23	1
Nickel	<0.00500		0.00500		mg/L		12/03/25 09:00	12/08/25 17:11	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/06/25 19:23	1
Zinc	0.0698		0.0200		mg/L		12/03/25 09:00	12/08/25 17:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	<1.00	H	1.00		mg/L			12/08/25 02:35	1
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			12/01/25 11:03	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-12

Lab Sample ID: 310-321530-2

Date Collected: 11/24/25 14:28

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		12/03/25 09:00	12/06/25 19:26	1
Barium	0.207		0.00200		mg/L		12/03/25 09:00	12/08/25 17:20	1
Cadmium	<0.000200		0.000200		mg/L		12/03/25 09:00	12/06/25 19:26	1
Cobalt	<0.000500		0.000500		mg/L		12/03/25 09:00	12/06/25 19:26	1
Copper	<0.00500		0.00500		mg/L		12/03/25 09:00	12/08/25 17:20	1
Lead	<0.000500		0.000500		mg/L		12/03/25 09:00	12/06/25 19:26	1
Nickel	<0.00500		0.00500		mg/L		12/03/25 09:00	12/08/25 17:20	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/06/25 19:26	1
Zinc	<0.0200		0.0200		mg/L		12/03/25 09:00	12/08/25 17:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	<1.00	H	1.00		mg/L			12/08/25 02:41	1
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			12/01/25 11:03	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-4

Lab Sample ID: 310-321530-3

Date Collected: 11/25/25 13:12

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		12/03/25 09:00	12/06/25 19:29	1
Barium	0.200		0.00200		mg/L		12/03/25 09:00	12/08/25 17:22	1
Cadmium	<0.000200		0.000200		mg/L		12/03/25 09:00	12/06/25 19:29	1
Cobalt	<0.000500		0.000500		mg/L		12/03/25 09:00	12/06/25 19:29	1
Copper	<0.00500		0.00500		mg/L		12/03/25 09:00	12/08/25 17:22	1
Lead	<0.000500		0.000500		mg/L		12/03/25 09:00	12/06/25 19:29	1
Nickel	<0.00500		0.00500		mg/L		12/03/25 09:00	12/08/25 17:22	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/06/25 19:29	1
Zinc	<0.0200		0.0200		mg/L		12/03/25 09:00	12/08/25 17:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			12/01/25 12:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-5

Lab Sample ID: 310-321530-4

Date Collected: 11/25/25 12:16

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/02/25 11:42	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/02/25 11:42	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/02/25 11:42	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/02/25 11:42	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/02/25 11:42	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/02/25 11:42	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/02/25 11:42	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/02/25 11:42	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/02/25 11:42	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/02/25 11:42	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/02/25 11:42	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/02/25 11:42	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/02/25 11:42	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/02/25 11:42	1
2-Hexanone	<10.0		10.0		ug/L			12/02/25 11:42	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/02/25 11:42	1
Acetone	<10.0		10.0		ug/L			12/02/25 11:42	1
Acrylonitrile	<10.0		10.0		ug/L			12/02/25 11:42	1
Benzene	<0.500		0.500		ug/L			12/02/25 11:42	1
Bromochloromethane	<5.00		5.00		ug/L			12/02/25 11:42	1
Bromodichloromethane	<1.00		1.00		ug/L			12/02/25 11:42	1
Bromoform	<5.00		5.00		ug/L			12/02/25 11:42	1
Bromomethane	<4.00		4.00		ug/L			12/02/25 11:42	1
Carbon disulfide	<1.00		1.00		ug/L			12/02/25 11:42	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/02/25 11:42	1
Chlorobenzene	<1.00		1.00		ug/L			12/02/25 11:42	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/02/25 11:42	1
Chloroethane	<4.00		4.00		ug/L			12/02/25 11:42	1
Chloroform	<3.00		3.00		ug/L			12/02/25 11:42	1
Chloromethane	<3.00		3.00		ug/L			12/02/25 11:42	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/02/25 11:42	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/02/25 11:42	1
Dibromomethane	<1.00		1.00		ug/L			12/02/25 11:42	1
Ethylbenzene	<1.00		1.00		ug/L			12/02/25 11:42	1
Iodomethane	<10.0		10.0		ug/L			12/02/25 11:42	1
Methylene Chloride	<5.00		5.00		ug/L			12/02/25 11:42	1
Styrene	<1.00		1.00		ug/L			12/02/25 11:42	1
Tetrachloroethene	<1.00		1.00		ug/L			12/02/25 11:42	1
Toluene	<1.00		1.00		ug/L			12/02/25 11:42	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/02/25 11:42	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/02/25 11:42	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/02/25 11:42	1
Trichloroethene	<1.00		1.00		ug/L			12/02/25 11:42	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/02/25 11:42	1
Vinyl acetate	<10.0		10.0		ug/L			12/02/25 11:42	1
Vinyl chloride	<1.00		1.00		ug/L			12/02/25 11:42	1
Xylenes, Total	<3.00		3.00		ug/L			12/02/25 11:42	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-5

Lab Sample ID: 310-321530-4

Date Collected: 11/25/25 12:16

Matrix: Water

Date Received: 11/26/25 18:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		76 - 130		12/02/25 11:42	1
Toluene-d8 (Surr)	93		80 - 120		12/02/25 11:42	1
4-Bromofluorobenzene (Surr)	105		80 - 120		12/02/25 11:42	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		12/03/25 09:00	12/12/25 17:36	1
Barium	0.164		0.00200		mg/L		12/03/25 09:00	12/12/25 17:36	1
Cadmium	0.000205		0.000200		mg/L		12/03/25 09:00	12/12/25 17:36	1
Cobalt	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 17:36	1
Copper	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:36	1
Lead	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 17:36	1
Nickel	0.00748		0.00500		mg/L		12/03/25 09:00	12/12/25 17:36	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:36	1
Zinc	<0.0200		0.0200		mg/L		12/03/25 09:00	12/12/25 17:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	<1.00	H	1.00		mg/L			12/08/25 02:46	1
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			12/01/25 11:03	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-6

Lab Sample ID: 310-321530-5

Date Collected: 11/25/25 11:45

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		12/03/25 09:00	12/12/25 17:46	1
Barium	0.177		0.00200		mg/L		12/03/25 09:00	12/12/25 17:46	1
Cadmium	<0.000200		0.000200		mg/L		12/03/25 09:00	12/12/25 17:46	1
Cobalt	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 17:46	1
Copper	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:46	1
Lead	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 17:46	1
Nickel	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:46	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:46	1
Zinc	<0.0200		0.0200		mg/L		12/03/25 09:00	12/12/25 17:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			12/01/25 12:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-7R

Lab Sample ID: 310-321530-6

Date Collected: 11/25/25 10:19

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/02/25 12:04	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/02/25 12:04	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/02/25 12:04	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/02/25 12:04	1
1,1-Dichloroethane	1.33		1.00		ug/L			12/02/25 12:04	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/02/25 12:04	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/02/25 12:04	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/02/25 12:04	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/02/25 12:04	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/02/25 12:04	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/02/25 12:04	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/02/25 12:04	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/02/25 12:04	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/02/25 12:04	1
2-Hexanone	<10.0		10.0		ug/L			12/02/25 12:04	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/02/25 12:04	1
Acetone	<10.0		10.0		ug/L			12/02/25 12:04	1
Acrylonitrile	<10.0		10.0		ug/L			12/02/25 12:04	1
Benzene	<0.500		0.500		ug/L			12/02/25 12:04	1
Bromochloromethane	<5.00		5.00		ug/L			12/02/25 12:04	1
Bromodichloromethane	<1.00		1.00		ug/L			12/02/25 12:04	1
Bromoform	<5.00		5.00		ug/L			12/02/25 12:04	1
Bromomethane	<4.00		4.00		ug/L			12/02/25 12:04	1
Carbon disulfide	<1.00		1.00		ug/L			12/02/25 12:04	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/02/25 12:04	1
Chlorobenzene	<1.00		1.00		ug/L			12/02/25 12:04	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/02/25 12:04	1
Chloroethane	<4.00		4.00		ug/L			12/02/25 12:04	1
Chloroform	<3.00		3.00		ug/L			12/02/25 12:04	1
Chloromethane	<3.00		3.00		ug/L			12/02/25 12:04	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/02/25 12:04	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/02/25 12:04	1
Dibromomethane	<1.00		1.00		ug/L			12/02/25 12:04	1
Ethylbenzene	<1.00		1.00		ug/L			12/02/25 12:04	1
Iodomethane	<10.0		10.0		ug/L			12/02/25 12:04	1
Methylene Chloride	<5.00		5.00		ug/L			12/02/25 12:04	1
Styrene	<1.00		1.00		ug/L			12/02/25 12:04	1
Tetrachloroethene	<1.00		1.00		ug/L			12/02/25 12:04	1
Toluene	<1.00		1.00		ug/L			12/02/25 12:04	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/02/25 12:04	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/02/25 12:04	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/02/25 12:04	1
Trichloroethene	<1.00		1.00		ug/L			12/02/25 12:04	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/02/25 12:04	1
Vinyl acetate	<10.0		10.0		ug/L			12/02/25 12:04	1
Vinyl chloride	<1.00		1.00		ug/L			12/02/25 12:04	1
Xylenes, Total	<3.00		3.00		ug/L			12/02/25 12:04	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-7R

Lab Sample ID: 310-321530-6

Date Collected: 11/25/25 10:19

Matrix: Water

Date Received: 11/26/25 18:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		76 - 130		12/02/25 12:04	1
Toluene-d8 (Surr)	90		80 - 120		12/02/25 12:04	1
4-Bromofluorobenzene (Surr)	106		80 - 120		12/02/25 12:04	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.0946		0.0946		ug/L		12/02/25 14:04	12/12/25 13:22	1
beta-BHC	<0.0946		0.0946		ug/L		12/02/25 14:04	12/12/25 13:22	1
Endosulfan I	<0.0946		0.0946		ug/L		12/02/25 14:04	12/12/25 13:22	1
gamma-BHC (Lindane)	<0.0946		0.0946		ug/L		12/02/25 14:04	12/12/25 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	68		10 - 150	12/02/25 14:04	12/12/25 13:22	1
Tetrachloro-m-xylene (Surr)	70		17 - 150	12/02/25 14:04	12/12/25 13:22	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	16.4		5.00		mg/L			12/04/25 10:15	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		12/03/25 09:00	12/12/25 17:49	1
Barium	1.22		0.00200		mg/L		12/03/25 09:00	12/12/25 17:49	1
Cadmium	<0.000200		0.000200		mg/L		12/03/25 09:00	12/12/25 17:49	1
Cobalt	0.00106		0.000500		mg/L		12/03/25 09:00	12/12/25 17:49	1
Copper	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:49	1
Iron	<0.100		0.100		mg/L		12/03/25 09:00	12/12/25 17:49	1
Lead	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 17:49	1
Manganese	2.31		0.0100		mg/L		12/03/25 09:00	12/12/25 17:49	1
Nickel	0.118		0.00500		mg/L		12/03/25 09:00	12/12/25 17:49	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:49	1
Zinc	<0.0200		0.0200		mg/L		12/03/25 09:00	12/12/25 17:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	2.0		1.9		mg/L			12/01/25 12:53	1
Chemical Oxygen Demand (SM 5220D)	61.2		25.0		mg/L			12/04/25 10:25	5

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-8

Lab Sample ID: 310-321530-7

Date Collected: 11/25/25 08:50

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		12/03/25 09:00	12/12/25 17:51	1
Barium	0.119		0.00200		mg/L		12/03/25 09:00	12/12/25 17:51	1
Cadmium	<0.000200		0.000200		mg/L		12/03/25 09:00	12/12/25 17:51	1
Cobalt	0.00121		0.000500		mg/L		12/03/25 09:00	12/12/25 17:51	1
Copper	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:51	1
Lead	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 17:51	1
Nickel	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:51	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:51	1
Zinc	<0.0200		0.0200		mg/L		12/03/25 09:00	12/12/25 17:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	<1.00	H	1.00		mg/L			12/08/25 02:52	1
Total Suspended Solids (USGS I-3765-85)	2.5		1.9		mg/L			12/01/25 12:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-9

Lab Sample ID: 310-321530-8

Date Collected: 11/25/25 08:19

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		12/03/25 09:00	12/12/25 17:59	1
Barium	0.171		0.00200		mg/L		12/03/25 09:00	12/12/25 17:59	1
Cadmium	<0.000200		0.000200		mg/L		12/03/25 09:00	12/12/25 17:59	1
Cobalt	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 17:59	1
Copper	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:59	1
Lead	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 17:59	1
Nickel	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:59	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:59	1
Zinc	<0.0200		0.0200		mg/L		12/03/25 09:00	12/12/25 17:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			12/01/25 12:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-14

Lab Sample ID: 310-321530-9

Date Collected: 11/24/25 13:26

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		12/03/25 09:00	12/12/25 18:01	1
Barium	0.808		0.00200		mg/L		12/03/25 09:00	12/12/25 18:01	1
Cadmium	<0.000200		0.000200		mg/L		12/03/25 09:00	12/12/25 18:01	1
Cobalt	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 18:01	1
Copper	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 18:01	1
Lead	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 18:01	1
Nickel	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 18:01	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 18:01	1
Zinc	<0.0200		0.0200		mg/L		12/03/25 09:00	12/12/25 18:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	<1.00	H	1.00		mg/L			12/08/25 02:57	1
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			12/01/25 11:03	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-15

Lab Sample ID: 310-321530-10

Date Collected: 11/24/25 12:40

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/01/25 15:49	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/01/25 15:49	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/01/25 15:49	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/01/25 15:49	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/01/25 15:49	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/01/25 15:49	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/01/25 15:49	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/01/25 15:49	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/01/25 15:49	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/01/25 15:49	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/01/25 15:49	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/01/25 15:49	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/01/25 15:49	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/01/25 15:49	1
2-Hexanone	<10.0		10.0		ug/L			12/01/25 15:49	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/01/25 15:49	1
Acetone	<10.0		10.0		ug/L			12/01/25 15:49	1
Acrylonitrile	<10.0		10.0		ug/L			12/01/25 15:49	1
Benzene	<0.500		0.500		ug/L			12/01/25 15:49	1
Bromochloromethane	<5.00		5.00		ug/L			12/01/25 15:49	1
Bromodichloromethane	<1.00		1.00		ug/L			12/01/25 15:49	1
Bromoform	<5.00		5.00		ug/L			12/01/25 15:49	1
Bromomethane	<4.00		4.00		ug/L			12/01/25 15:49	1
Carbon disulfide	<1.00		1.00		ug/L			12/01/25 15:49	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/01/25 15:49	1
Chlorobenzene	<1.00		1.00		ug/L			12/01/25 15:49	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/01/25 15:49	1
Chloroethane	<4.00		4.00		ug/L			12/01/25 15:49	1
Chloroform	<3.00		3.00		ug/L			12/01/25 15:49	1
Chloromethane	<3.00		3.00		ug/L			12/01/25 15:49	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/01/25 15:49	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/01/25 15:49	1
Dibromomethane	<1.00		1.00		ug/L			12/01/25 15:49	1
Ethylbenzene	<1.00		1.00		ug/L			12/01/25 15:49	1
Iodomethane	<10.0		10.0		ug/L			12/01/25 15:49	1
Methylene Chloride	<5.00		5.00		ug/L			12/01/25 15:49	1
Styrene	<1.00		1.00		ug/L			12/01/25 15:49	1
Tetrachloroethene	<1.00		1.00		ug/L			12/01/25 15:49	1
Toluene	<1.00		1.00		ug/L			12/01/25 15:49	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/01/25 15:49	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/01/25 15:49	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/01/25 15:49	1
Trichloroethene	<1.00		1.00		ug/L			12/01/25 15:49	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/01/25 15:49	1
Vinyl acetate	<10.0		10.0		ug/L			12/01/25 15:49	1
Vinyl chloride	<1.00		1.00		ug/L			12/01/25 15:49	1
Xylenes, Total	<3.00		3.00		ug/L			12/01/25 15:49	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-15

Lab Sample ID: 310-321530-10

Date Collected: 11/24/25 12:40

Matrix: Water

Date Received: 11/26/25 18:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		76 - 130		12/01/25 15:49	1
Toluene-d8 (Surr)	94		80 - 120		12/01/25 15:49	1
4-Bromofluorobenzene (Surr)	107		80 - 120		12/01/25 15:49	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		12/03/25 09:00	12/12/25 18:04	1
Barium	0.107		0.00200		mg/L		12/03/25 09:00	12/12/25 18:04	1
Cadmium	<0.000200		0.000200		mg/L		12/03/25 09:00	12/12/25 18:04	1
Cobalt	0.000583		0.000500		mg/L		12/03/25 09:00	12/12/25 18:04	1
Copper	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 18:04	1
Lead	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 18:04	1
Nickel	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 18:04	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 18:04	1
Zinc	<0.0200		0.0200		mg/L		12/03/25 09:00	12/12/25 18:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			12/01/25 11:03	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-16

Lab Sample ID: 310-321530-11

Date Collected: 11/24/25 11:56

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/01/25 16:11	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/01/25 16:11	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/01/25 16:11	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/01/25 16:11	1
1,1-Dichloroethane	2.87		1.00		ug/L			12/01/25 16:11	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/01/25 16:11	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/01/25 16:11	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/01/25 16:11	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/01/25 16:11	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/01/25 16:11	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/01/25 16:11	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/01/25 16:11	1
1,4-Dichlorobenzene	2.55		1.00		ug/L			12/01/25 16:11	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/01/25 16:11	1
2-Hexanone	<10.0		10.0		ug/L			12/01/25 16:11	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/01/25 16:11	1
Acetone	<10.0		10.0		ug/L			12/01/25 16:11	1
Acrylonitrile	<10.0		10.0		ug/L			12/01/25 16:11	1
Benzene	<0.500		0.500		ug/L			12/01/25 16:11	1
Bromochloromethane	<5.00		5.00		ug/L			12/01/25 16:11	1
Bromodichloromethane	<1.00		1.00		ug/L			12/01/25 16:11	1
Bromoform	<5.00		5.00		ug/L			12/01/25 16:11	1
Bromomethane	<4.00		4.00		ug/L			12/01/25 16:11	1
Carbon disulfide	<1.00		1.00		ug/L			12/01/25 16:11	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/01/25 16:11	1
Chlorobenzene	8.18		1.00		ug/L			12/01/25 16:11	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/01/25 16:11	1
Chloroethane	<4.00		4.00		ug/L			12/01/25 16:11	1
Chloroform	<3.00		3.00		ug/L			12/01/25 16:11	1
Chloromethane	<3.00		3.00		ug/L			12/01/25 16:11	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/01/25 16:11	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/01/25 16:11	1
Dibromomethane	<1.00		1.00		ug/L			12/01/25 16:11	1
Ethylbenzene	<1.00		1.00		ug/L			12/01/25 16:11	1
Iodomethane	<10.0		10.0		ug/L			12/01/25 16:11	1
Methylene Chloride	<5.00		5.00		ug/L			12/01/25 16:11	1
Styrene	<1.00		1.00		ug/L			12/01/25 16:11	1
Tetrachloroethene	<1.00		1.00		ug/L			12/01/25 16:11	1
Toluene	<1.00		1.00		ug/L			12/01/25 16:11	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/01/25 16:11	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/01/25 16:11	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/01/25 16:11	1
Trichloroethene	<1.00		1.00		ug/L			12/01/25 16:11	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/01/25 16:11	1
Vinyl acetate	<10.0		10.0		ug/L			12/01/25 16:11	1
Vinyl chloride	<1.00		1.00		ug/L			12/01/25 16:11	1
Xylenes, Total	<3.00		3.00		ug/L			12/01/25 16:11	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-16

Lab Sample ID: 310-321530-11

Date Collected: 11/24/25 11:56

Matrix: Water

Date Received: 11/26/25 18:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	112		76 - 130		12/01/25 16:11	1
Toluene-d8 (Surr)	93		80 - 120		12/01/25 16:11	1
4-Bromofluorobenzene (Surr)	110		80 - 120		12/01/25 16:11	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0964	H	0.0964		ug/L		12/02/25 14:04	12/12/25 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	71		10 - 150	12/02/25 14:04	12/12/25 13:36	1
Tetrachloro-m-xylene (Surr)	72		17 - 150	12/02/25 14:04	12/12/25 13:36	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		12/03/25 09:00	12/12/25 18:06	1
Barium	0.665		0.00200		mg/L		12/03/25 09:00	12/12/25 18:06	1
Cadmium	<0.000200		0.000200		mg/L		12/03/25 09:00	12/12/25 18:06	1
Cobalt	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 18:06	1
Copper	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 18:06	1
Lead	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 18:06	1
Nickel	0.00616		0.00500		mg/L		12/03/25 09:00	12/12/25 18:06	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 18:06	1
Zinc	<0.0200		0.0200		mg/L		12/03/25 09:00	12/12/25 18:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		12/02/25 11:50	12/03/25 09:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	<1.00	H	1.00		mg/L			12/08/25 03:03	1
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			12/01/25 11:03	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-27

Lab Sample ID: 310-321530-12

Date Collected: 11/24/25 17:02

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0		ug/L			12/02/25 16:35	1
Acrylonitrile	<10.0	H	10.0		ug/L			12/02/25 16:35	1
Benzene	<0.500		0.500		ug/L			12/02/25 16:35	1
Bromochloromethane	<5.00		5.00		ug/L			12/02/25 16:35	1
Bromodichloromethane	<1.00		1.00		ug/L			12/02/25 16:35	1
Bromoform	<5.00		5.00		ug/L			12/02/25 16:35	1
Bromomethane	<4.00		4.00		ug/L			12/02/25 16:35	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/02/25 16:35	1
Carbon disulfide	<1.00		1.00		ug/L			12/02/25 16:35	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/02/25 16:35	1
Chlorobenzene	<1.00		1.00		ug/L			12/02/25 16:35	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/02/25 16:35	1
Chloroethane	<4.00		4.00		ug/L			12/02/25 16:35	1
Chloroform	<3.00		3.00		ug/L			12/02/25 16:35	1
Chloromethane	<3.00		3.00		ug/L			12/02/25 16:35	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/02/25 16:35	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/02/25 16:35	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/02/25 16:35	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/02/25 16:35	1
Dibromomethane	<1.00		1.00		ug/L			12/02/25 16:35	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/02/25 16:35	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/02/25 16:35	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/02/25 16:35	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/02/25 16:35	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/02/25 16:35	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/02/25 16:35	1
Ethylbenzene	<1.00		1.00		ug/L			12/02/25 16:35	1
2-Hexanone	<10.0		10.0		ug/L			12/02/25 16:35	1
Iodomethane	<10.0		10.0		ug/L			12/02/25 16:35	1
Methylene Chloride	<5.00		5.00		ug/L			12/02/25 16:35	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/02/25 16:35	1
Styrene	<1.00		1.00		ug/L			12/02/25 16:35	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/02/25 16:35	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/02/25 16:35	1
Tetrachloroethene	<1.00		1.00		ug/L			12/02/25 16:35	1
Toluene	<1.00		1.00		ug/L			12/02/25 16:35	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/02/25 16:35	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/02/25 16:35	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/02/25 16:35	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/02/25 16:35	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/02/25 16:35	1
Trichloroethene	<1.00		1.00		ug/L			12/02/25 16:35	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/02/25 16:35	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/02/25 16:35	1
Vinyl acetate	<10.0		10.0		ug/L			12/02/25 16:35	1
Vinyl chloride	<1.00		1.00		ug/L			12/02/25 16:35	1
Xylenes, Total	<3.00		3.00		ug/L			12/02/25 16:35	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-27

Lab Sample ID: 310-321530-12

Date Collected: 11/24/25 17:02

Matrix: Water

Date Received: 11/26/25 18:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		80 - 120		12/02/25 16:35	1
Dibromofluoromethane (Surr)	116		76 - 130		12/02/25 16:35	1
Toluene-d8 (Surr)	89		80 - 120		12/02/25 16:35	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		12/03/25 09:00	12/12/25 18:09	1
Barium	0.282		0.00200		mg/L		12/03/25 09:00	12/12/25 18:09	1
Cadmium	<0.000200		0.000200		mg/L		12/03/25 09:00	12/12/25 18:09	1
Cobalt	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 18:09	1
Copper	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 18:09	1
Lead	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 18:09	1
Nickel	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 18:09	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 18:09	1
Zinc	<0.0200		0.0200		mg/L		12/03/25 09:00	12/12/25 18:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	38.0		1.9		mg/L			12/01/25 11:03	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-7

Lab Sample ID: 310-321530-13

Date Collected: 11/25/25 09:41

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0951		0.0951		ug/L		12/02/25 14:04	12/12/25 13:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	74		10 - 150				12/02/25 14:04	12/12/25 13:50	1
Tetrachloro-m-xylene (Surr)	75		17 - 150				12/02/25 14:04	12/12/25 13:50	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	7.21		5.00		mg/L			12/04/25 10:26	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	2.09		0.00200		mg/L		12/03/25 09:00	12/12/25 18:12	1
Nickel	0.145		0.00500		mg/L		12/03/25 09:00	12/12/25 18:12	1
Iron	0.794		0.100		mg/L		12/03/25 09:00	12/12/25 18:12	1
Manganese	4.29		0.0100		mg/L		12/03/25 09:00	12/12/25 18:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	2.3		1.9		mg/L			12/01/25 12:53	1
Chemical Oxygen Demand (SM 5220D)	38.9		25.0		mg/L			12/04/25 10:25	5

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-31

Lab Sample ID: 310-321530-14

Date Collected: 11/25/25 10:58

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0936		0.0936		ug/L		12/02/25 14:04	12/12/25 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	56		10 - 150				12/02/25 14:04	12/12/25 14:04	1
Tetrachloro-m-xylene (Surr)	61		17 - 150				12/02/25 14:04	12/12/25 14:04	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	12.0		5.00		mg/L			12/04/25 10:38	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.293		0.00200		mg/L		12/03/25 09:00	12/12/25 18:14	1
Nickel	0.0218		0.00500		mg/L		12/03/25 09:00	12/12/25 18:14	1
Iron	<0.100		0.100		mg/L		12/03/25 09:00	12/12/25 18:14	1
Manganese	1.74		0.0100		mg/L		12/03/25 09:00	12/12/25 18:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			12/01/25 12:53	1
Chemical Oxygen Demand (SM 5220D)	<25.0		25.0		mg/L			12/04/25 10:25	5

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Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-DN

Lab Sample ID: 310-321530-15

Date Collected: 11/24/25 17:02

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/01/25 16:56	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/01/25 16:56	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/01/25 16:56	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/01/25 16:56	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/01/25 16:56	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/01/25 16:56	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/01/25 16:56	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/01/25 16:56	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/01/25 16:56	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/01/25 16:56	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/01/25 16:56	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/01/25 16:56	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/01/25 16:56	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/01/25 16:56	1
2-Hexanone	<10.0		10.0		ug/L			12/01/25 16:56	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/01/25 16:56	1
Acetone	<10.0		10.0		ug/L			12/01/25 16:56	1
Acrylonitrile	<10.0		10.0		ug/L			12/01/25 16:56	1
Benzene	<0.500		0.500		ug/L			12/01/25 16:56	1
Bromochloromethane	<5.00		5.00		ug/L			12/01/25 16:56	1
Bromodichloromethane	<1.00		1.00		ug/L			12/01/25 16:56	1
Bromoform	<5.00		5.00		ug/L			12/01/25 16:56	1
Bromomethane	<4.00		4.00		ug/L			12/01/25 16:56	1
Carbon disulfide	<1.00		1.00		ug/L			12/01/25 16:56	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/01/25 16:56	1
Chlorobenzene	<1.00		1.00		ug/L			12/01/25 16:56	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/01/25 16:56	1
Chloroethane	<4.00		4.00		ug/L			12/01/25 16:56	1
Chloroform	<3.00		3.00		ug/L			12/01/25 16:56	1
Chloromethane	<3.00		3.00		ug/L			12/01/25 16:56	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/01/25 16:56	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/01/25 16:56	1
Dibromomethane	<1.00		1.00		ug/L			12/01/25 16:56	1
Ethylbenzene	<1.00		1.00		ug/L			12/01/25 16:56	1
Iodomethane	<10.0		10.0		ug/L			12/01/25 16:56	1
Methylene Chloride	<5.00		5.00		ug/L			12/01/25 16:56	1
Styrene	<1.00		1.00		ug/L			12/01/25 16:56	1
Tetrachloroethene	<1.00		1.00		ug/L			12/01/25 16:56	1
Toluene	<1.00		1.00		ug/L			12/01/25 16:56	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/01/25 16:56	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/01/25 16:56	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/01/25 16:56	1
Trichloroethene	<1.00		1.00		ug/L			12/01/25 16:56	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/01/25 16:56	1
Vinyl acetate	<10.0		10.0		ug/L			12/01/25 16:56	1
Vinyl chloride	<1.00		1.00		ug/L			12/01/25 16:56	1
Xylenes, Total	<3.00		3.00		ug/L			12/01/25 16:56	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-DN

Lab Sample ID: 310-321530-15

Date Collected: 11/24/25 17:02

Matrix: Water

Date Received: 11/26/25 18:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		76 - 130		12/01/25 16:56	1
Toluene-d8 (Surr)	89		80 - 120		12/01/25 16:56	1
4-Bromofluorobenzene (Surr)	104		80 - 120		12/01/25 16:56	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		12/03/25 09:00	12/12/25 18:19	1
Barium	0.278		0.00200		mg/L		12/03/25 09:00	12/12/25 18:19	1
Cadmium	<0.000200		0.000200		mg/L		12/03/25 09:00	12/12/25 18:19	1
Cobalt	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 18:19	1
Copper	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 18:19	1
Lead	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 18:19	1
Nickel	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 18:19	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 18:19	1
Zinc	<0.0200		0.0200		mg/L		12/03/25 09:00	12/12/25 18:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	38.3		1.9		mg/L			12/01/25 11:03	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: Trip Blank 1

Lab Sample ID: 310-321530-16

Date Collected: 11/25/25 00:00

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/02/25 10:34	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/02/25 10:34	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/02/25 10:34	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/02/25 10:34	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/02/25 10:34	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/02/25 10:34	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/02/25 10:34	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/02/25 10:34	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/02/25 10:34	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/02/25 10:34	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/02/25 10:34	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/02/25 10:34	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/02/25 10:34	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/02/25 10:34	1
2-Hexanone	<10.0		10.0		ug/L			12/02/25 10:34	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/02/25 10:34	1
Acetone	<10.0		10.0		ug/L			12/02/25 10:34	1
Acrylonitrile	<10.0		10.0		ug/L			12/02/25 10:34	1
Benzene	<0.500		0.500		ug/L			12/02/25 10:34	1
Bromochloromethane	<5.00		5.00		ug/L			12/02/25 10:34	1
Bromodichloromethane	<1.00		1.00		ug/L			12/02/25 10:34	1
Bromoform	<5.00		5.00		ug/L			12/02/25 10:34	1
Bromomethane	<4.00		4.00		ug/L			12/02/25 10:34	1
Carbon disulfide	<1.00		1.00		ug/L			12/02/25 10:34	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/02/25 10:34	1
Chlorobenzene	<1.00		1.00		ug/L			12/02/25 10:34	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/02/25 10:34	1
Chloroethane	<4.00		4.00		ug/L			12/02/25 10:34	1
Chloroform	<3.00		3.00		ug/L			12/02/25 10:34	1
Chloromethane	<3.00		3.00		ug/L			12/02/25 10:34	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/02/25 10:34	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/02/25 10:34	1
Dibromomethane	<1.00		1.00		ug/L			12/02/25 10:34	1
Ethylbenzene	<1.00		1.00		ug/L			12/02/25 10:34	1
Iodomethane	<10.0		10.0		ug/L			12/02/25 10:34	1
Methylene Chloride	<5.00		5.00		ug/L			12/02/25 10:34	1
Styrene	<1.00		1.00		ug/L			12/02/25 10:34	1
Tetrachloroethene	<1.00		1.00		ug/L			12/02/25 10:34	1
Toluene	<1.00		1.00		ug/L			12/02/25 10:34	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/02/25 10:34	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/02/25 10:34	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/02/25 10:34	1
Trichloroethene	<1.00		1.00		ug/L			12/02/25 10:34	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/02/25 10:34	1
Vinyl acetate	<10.0		10.0		ug/L			12/02/25 10:34	1
Vinyl chloride	<1.00		1.00		ug/L			12/02/25 10:34	1
Xylenes, Total	<3.00		3.00		ug/L			12/02/25 10:34	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: Trip Blank 1
Date Collected: 11/25/25 00:00
Date Received: 11/26/25 18:45

Lab Sample ID: 310-321530-16
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		76 - 130		12/02/25 10:34	1
Toluene-d8 (Surr)	96		80 - 120		12/02/25 10:34	1
4-Bromofluorobenzene (Surr)	101		80 - 120		12/02/25 10:34	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: Trip Blank 2

Lab Sample ID: 310-321530-17

Date Collected: 11/25/25 00:00

Matrix: Water

Date Received: 11/26/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/02/25 10:56	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/02/25 10:56	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/02/25 10:56	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/02/25 10:56	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/02/25 10:56	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/02/25 10:56	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/02/25 10:56	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/02/25 10:56	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/02/25 10:56	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/02/25 10:56	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/02/25 10:56	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/02/25 10:56	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/02/25 10:56	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/02/25 10:56	1
2-Hexanone	<10.0		10.0		ug/L			12/02/25 10:56	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/02/25 10:56	1
Acetone	<10.0		10.0		ug/L			12/02/25 10:56	1
Acrylonitrile	<10.0		10.0		ug/L			12/02/25 10:56	1
Benzene	<0.500		0.500		ug/L			12/02/25 10:56	1
Bromochloromethane	<5.00		5.00		ug/L			12/02/25 10:56	1
Bromodichloromethane	<1.00		1.00		ug/L			12/02/25 10:56	1
Bromoform	<5.00		5.00		ug/L			12/02/25 10:56	1
Bromomethane	<4.00		4.00		ug/L			12/02/25 10:56	1
Carbon disulfide	<1.00		1.00		ug/L			12/02/25 10:56	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/02/25 10:56	1
Chlorobenzene	<1.00		1.00		ug/L			12/02/25 10:56	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/02/25 10:56	1
Chloroethane	<4.00		4.00		ug/L			12/02/25 10:56	1
Chloroform	<3.00		3.00		ug/L			12/02/25 10:56	1
Chloromethane	<3.00		3.00		ug/L			12/02/25 10:56	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/02/25 10:56	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/02/25 10:56	1
Dibromomethane	<1.00		1.00		ug/L			12/02/25 10:56	1
Ethylbenzene	<1.00		1.00		ug/L			12/02/25 10:56	1
Iodomethane	<10.0		10.0		ug/L			12/02/25 10:56	1
Methylene Chloride	<5.00		5.00		ug/L			12/02/25 10:56	1
Styrene	<1.00		1.00		ug/L			12/02/25 10:56	1
Tetrachloroethene	<1.00		1.00		ug/L			12/02/25 10:56	1
Toluene	<1.00		1.00		ug/L			12/02/25 10:56	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/02/25 10:56	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/02/25 10:56	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/02/25 10:56	1
Trichloroethene	<1.00		1.00		ug/L			12/02/25 10:56	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/02/25 10:56	1
Vinyl acetate	<10.0		10.0		ug/L			12/02/25 10:56	1
Vinyl chloride	<1.00		1.00		ug/L			12/02/25 10:56	1
Xylenes, Total	<3.00		3.00		ug/L			12/02/25 10:56	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: Trip Blank 2
Date Collected: 11/25/25 00:00
Date Received: 11/26/25 18:45

Lab Sample ID: 310-321530-17
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		76 - 130		12/02/25 10:56	1
Toluene-d8 (Surr)	93		80 - 120		12/02/25 10:56	1
4-Bromofluorobenzene (Surr)	105		80 - 120		12/02/25 10:56	1

Definitions/Glossary

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

GC Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-321530-4	MW-5	105	93	105
310-321530-4 MS	MW-5	114	95	94
310-321530-4 MSD	MW-5	111	97	97
310-321530-6	MW-7R	111	90	106
310-321530-10	MW-15	105	94	107
310-321530-11	MW-16	112	93	110
310-321530-12	MW-27	116	89	105
310-321530-15	MW-DN	103	89	104
310-321530-16	Trip Blank 1	105	96	101
310-321530-17	Trip Blank 2	111	93	105
LCS 310-475115/6	Lab Control Sample	100	100	103
LCS 310-475115/7	Lab Control Sample	103	97	110
LCS 310-475233/6	Lab Control Sample	104	100	102
LCS 310-475233/7	Lab Control Sample	108	92	102
MB 310-475115/5	Method Blank	99	97	109
MB 310-475233/5	Method Blank	106	93	106

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB1 (10-150)	TCX1 (17-150)
310-321530-6	MW-7R	68	70
310-321530-6 MS	MW-7R	64	75
310-321530-6 MSD	MW-7R	62	75
310-321530-11	MW-16	71	72
310-321530-13	MW-7	74	75
310-321530-14	MW-31	56	61
LCS 310-475321/2-A	Lab Control Sample	34	67
MB 310-475321/1-A	Method Blank	35	67

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-475115/5

Matrix: Water

Analysis Batch: 475115

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	<10.0		10.0		ug/L			12/01/25 10:10	1
Acetone	<10.0		10.0		ug/L			12/01/25 10:10	1
Acrylonitrile	<10.0		10.0		ug/L			12/01/25 10:10	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/01/25 10:10	1
Benzene	<0.500		0.500		ug/L			12/01/25 10:10	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/01/25 10:10	1
Bromochloromethane	<5.00		5.00		ug/L			12/01/25 10:10	1
Bromodichloromethane	<1.00		1.00		ug/L			12/01/25 10:10	1
Bromoform	<5.00		5.00		ug/L			12/01/25 10:10	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/01/25 10:10	1
Bromomethane	<4.00		4.00		ug/L			12/01/25 10:10	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/01/25 10:10	1
Carbon disulfide	<1.00		1.00		ug/L			12/01/25 10:10	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/01/25 10:10	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/01/25 10:10	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/01/25 10:10	1
Chlorobenzene	<1.00		1.00		ug/L			12/01/25 10:10	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/01/25 10:10	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/01/25 10:10	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/01/25 10:10	1
Chloroethane	<4.00		4.00		ug/L			12/01/25 10:10	1
Chloroform	<3.00		3.00		ug/L			12/01/25 10:10	1
2-Hexanone	<10.0		10.0		ug/L			12/01/25 10:10	1
Chloromethane	<3.00		3.00		ug/L			12/01/25 10:10	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/01/25 10:10	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/01/25 10:10	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/01/25 10:10	1
Dibromomethane	<1.00		1.00		ug/L			12/01/25 10:10	1
Ethylbenzene	<1.00		1.00		ug/L			12/01/25 10:10	1
Iodomethane	<10.0		10.0		ug/L			12/01/25 10:10	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/01/25 10:10	1
Methylene Chloride	<5.00		5.00		ug/L			12/01/25 10:10	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/01/25 10:10	1
Styrene	<1.00		1.00		ug/L			12/01/25 10:10	1
Tetrachloroethene	<1.00		1.00		ug/L			12/01/25 10:10	1
Toluene	<1.00		1.00		ug/L			12/01/25 10:10	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/01/25 10:10	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/01/25 10:10	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/01/25 10:10	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/01/25 10:10	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/01/25 10:10	1
Trichloroethene	<1.00		1.00		ug/L			12/01/25 10:10	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/01/25 10:10	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/01/25 10:10	1
Vinyl acetate	<10.0		10.0		ug/L			12/01/25 10:10	1
Vinyl chloride	<1.00		1.00		ug/L			12/01/25 10:10	1
Xylenes, Total	<3.00		3.00		ug/L			12/01/25 10:10	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

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

Lab Sample ID: MB 310-475115/5

Matrix: Water

Analysis Batch: 475115

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	99		76 - 130		12/01/25 10:10	1
Toluene-d8 (Surr)	97		80 - 120		12/01/25 10:10	1
4-Bromofluorobenzene (Surr)	109		80 - 120		12/01/25 10:10	1

Lab Sample ID: LCS 310-475115/6

Matrix: Water

Analysis Batch: 475115

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	40.0	36.56		ug/L		91	60 - 134
Acetone	40.0	41.54		ug/L		104	59 - 136
Acrylonitrile	200	195.8		ug/L		98	50 - 150
1,2-Dibromo-3-Chloropropane	20.0	19.80		ug/L		99	62 - 132
Benzene	20.0	18.77		ug/L		94	71 - 125
1,2-Dibromoethane (EDB)	20.0	19.24		ug/L		96	74 - 122
Bromochloromethane	20.0	19.57		ug/L		98	69 - 131
Bromodichloromethane	20.0	20.71		ug/L		104	70 - 122
Bromoform	20.0	19.46		ug/L		97	62 - 122
1,2-Dichlorobenzene	20.0	19.91		ug/L		100	74 - 120
1,4-Dichlorobenzene	20.0	21.10		ug/L		105	72 - 120
Carbon disulfide	20.0	19.62		ug/L		98	58 - 137
1,1-Dichloroethane	20.0	18.93		ug/L		95	69 - 127
Carbon tetrachloride	20.0	24.30		ug/L		121	63 - 136
1,2-Dichloroethane	20.0	20.06		ug/L		100	68 - 125
Chlorobenzene	20.0	19.29		ug/L		96	74 - 120
1,1-Dichloroethene	20.0	20.02		ug/L		100	64 - 134
Chlorodibromomethane	20.0	19.74		ug/L		99	69 - 121
1,2-Dichloropropane	20.0	18.46		ug/L		92	72 - 128
Chloroform	20.0	19.34		ug/L		97	72 - 122
2-Hexanone	40.0	39.89		ug/L		100	62 - 139
cis-1,2-Dichloroethene	20.0	19.63		ug/L		98	72 - 123
cis-1,3-Dichloropropene	20.0	20.84		ug/L		104	72 - 123
4-Methyl-2-pentanone (MIBK)	40.0	36.49		ug/L		91	62 - 136
Dibromomethane	20.0	20.19		ug/L		101	72 - 122
Ethylbenzene	20.0	19.57		ug/L		98	75 - 120
Iodomethane	20.0	16.60		ug/L		83	18 - 150
1,1,1,2-Tetrachloroethane	20.0	20.75		ug/L		104	70 - 121
Methylene Chloride	20.0	20.44		ug/L		102	72 - 128
1,1,2,2-Tetrachloroethane	20.0	18.87		ug/L		94	70 - 122
Styrene	20.0	19.14		ug/L		96	74 - 122
Tetrachloroethene	20.0	21.16		ug/L		106	70 - 128
Toluene	20.0	20.15		ug/L		101	74 - 120
trans-1,2-Dichloroethene	20.0	20.49		ug/L		102	67 - 127
trans-1,3-Dichloropropene	20.0	18.63		ug/L		93	67 - 123
trans-1,4-Dichloro-2-butene	20.0	18.02		ug/L		90	50 - 150
1,1,1-Trichloroethane	20.0	22.64		ug/L		113	69 - 130
1,1,2-Trichloroethane	20.0	21.67		ug/L		108	75 - 121

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

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

Lab Sample ID: LCS 310-475115/6

Matrix: Water

Analysis Batch: 475115

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	20.0	19.47		ug/L		97	70 - 128
1,2,3-Trichloropropane	20.0	19.65		ug/L		98	70 - 122
Vinyl acetate	40.0	38.14		ug/L		95	50 - 150
Xylenes, Total	40.0	39.16		ug/L		98	74 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	100		76 - 130
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120

Lab Sample ID: LCS 310-475115/7

Matrix: Water

Analysis Batch: 475115

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	17.32		ug/L		87	33 - 138
Chloroethane	20.0	18.22		ug/L		91	59 - 139
Chloromethane	20.0	17.29		ug/L		86	52 - 146
Trichlorofluoromethane	20.0	19.88		ug/L		99	55 - 150
Vinyl chloride	20.0	18.49		ug/L		92	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	103		76 - 130
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	110		80 - 120

Lab Sample ID: MB 310-475233/5

Matrix: Water

Analysis Batch: 475233

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	<10.0		10.0		ug/L			12/02/25 09:26	1
Acetone	<10.0		10.0		ug/L			12/02/25 09:26	1
Acrylonitrile	<10.0		10.0		ug/L			12/02/25 09:26	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/02/25 09:26	1
Benzene	<0.500		0.500		ug/L			12/02/25 09:26	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/02/25 09:26	1
Bromochloromethane	<5.00		5.00		ug/L			12/02/25 09:26	1
Bromodichloromethane	<1.00		1.00		ug/L			12/02/25 09:26	1
Bromoform	<5.00		5.00		ug/L			12/02/25 09:26	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/02/25 09:26	1
Bromomethane	<4.00		4.00		ug/L			12/02/25 09:26	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/02/25 09:26	1
Carbon disulfide	<1.00		1.00		ug/L			12/02/25 09:26	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/02/25 09:26	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/02/25 09:26	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/02/25 09:26	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

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

Lab Sample ID: MB 310-475233/5

Matrix: Water

Analysis Batch: 475233

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.00		1.00		ug/L			12/02/25 09:26	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/02/25 09:26	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/02/25 09:26	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/02/25 09:26	1
Chloroethane	<4.00		4.00		ug/L			12/02/25 09:26	1
Chloroform	<3.00		3.00		ug/L			12/02/25 09:26	1
2-Hexanone	<10.0		10.0		ug/L			12/02/25 09:26	1
Chloromethane	<3.00		3.00		ug/L			12/02/25 09:26	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/02/25 09:26	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/02/25 09:26	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/02/25 09:26	1
Dibromomethane	<1.00		1.00		ug/L			12/02/25 09:26	1
Ethylbenzene	<1.00		1.00		ug/L			12/02/25 09:26	1
Iodomethane	<10.0		10.0		ug/L			12/02/25 09:26	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/02/25 09:26	1
Methylene Chloride	<5.00		5.00		ug/L			12/02/25 09:26	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/02/25 09:26	1
Styrene	<1.00		1.00		ug/L			12/02/25 09:26	1
Tetrachloroethene	<1.00		1.00		ug/L			12/02/25 09:26	1
Toluene	<1.00		1.00		ug/L			12/02/25 09:26	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/02/25 09:26	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/02/25 09:26	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/02/25 09:26	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/02/25 09:26	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/02/25 09:26	1
Trichloroethene	<1.00		1.00		ug/L			12/02/25 09:26	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/02/25 09:26	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/02/25 09:26	1
Vinyl acetate	<10.0		10.0		ug/L			12/02/25 09:26	1
Vinyl chloride	<1.00		1.00		ug/L			12/02/25 09:26	1
Xylenes, Total	<3.00		3.00		ug/L			12/02/25 09:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		76 - 130		12/02/25 09:26	1
Toluene-d8 (Surr)	93		80 - 120		12/02/25 09:26	1
4-Bromofluorobenzene (Surr)	106		80 - 120		12/02/25 09:26	1

Lab Sample ID: LCS 310-475233/6

Matrix: Water

Analysis Batch: 475233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	40.0	35.56		ug/L		89	60 - 134
Acetone	40.0	45.99		ug/L		115	59 - 136
Acrylonitrile	200	241.8		ug/L		121	50 - 150
1,2-Dibromo-3-Chloropropane	20.0	19.51		ug/L		98	62 - 132
Benzene	20.0	19.40		ug/L		97	71 - 125

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

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

Lab Sample ID: LCS 310-475233/6

Matrix: Water

Analysis Batch: 475233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	20.0	18.85		ug/L		94	74 - 122
Bromochloromethane	20.0	20.59		ug/L		103	69 - 131
Bromodichloromethane	20.0	20.24		ug/L		101	70 - 122
Bromoform	20.0	18.90		ug/L		95	62 - 122
1,2-Dichlorobenzene	20.0	19.68		ug/L		98	74 - 120
1,4-Dichlorobenzene	20.0	20.36		ug/L		102	72 - 120
Carbon disulfide	20.0	19.95		ug/L		100	58 - 137
1,1-Dichloroethane	20.0	19.98		ug/L		100	69 - 127
Carbon tetrachloride	20.0	22.57		ug/L		113	63 - 136
1,2-Dichloroethane	20.0	20.00		ug/L		100	68 - 125
Chlorobenzene	20.0	18.86		ug/L		94	74 - 120
1,1-Dichloroethene	20.0	19.82		ug/L		99	64 - 134
Chlorodibromomethane	20.0	19.11		ug/L		96	69 - 121
1,2-Dichloropropane	20.0	19.69		ug/L		98	72 - 128
Chloroform	20.0	19.62		ug/L		98	72 - 122
2-Hexanone	40.0	41.99		ug/L		105	62 - 139
cis-1,2-Dichloroethene	20.0	19.96		ug/L		100	72 - 123
cis-1,3-Dichloropropene	20.0	19.53		ug/L		98	72 - 123
4-Methyl-2-pentanone (MIBK)	40.0	38.20		ug/L		95	62 - 136
Dibromomethane	20.0	20.85		ug/L		104	72 - 122
Ethylbenzene	20.0	18.66		ug/L		93	75 - 120
Iodomethane	20.0	15.31		ug/L		77	18 - 150
1,1,1,2-Tetrachloroethane	20.0	19.16		ug/L		96	70 - 121
Methylene Chloride	20.0	22.70		ug/L		113	72 - 128
1,1,2,2-Tetrachloroethane	20.0	20.35		ug/L		102	70 - 122
Styrene	20.0	18.98		ug/L		95	74 - 122
Tetrachloroethene	20.0	19.42		ug/L		97	70 - 128
Toluene	20.0	19.07		ug/L		95	74 - 120
trans-1,2-Dichloroethene	20.0	20.56		ug/L		103	67 - 127
trans-1,3-Dichloropropene	20.0	17.70		ug/L		88	67 - 123
trans-1,4-Dichloro-2-butene	20.0	17.85		ug/L		89	50 - 150
1,1,1-Trichloroethane	20.0	21.54		ug/L		108	69 - 130
1,1,2-Trichloroethane	20.0	22.17		ug/L		111	75 - 121
Trichloroethene	20.0	18.30		ug/L		91	70 - 128
1,2,3-Trichloropropane	20.0	21.36		ug/L		107	70 - 122
Vinyl acetate	40.0	38.31		ug/L		96	50 - 150
Xylenes, Total	40.0	37.74		ug/L		94	74 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	104		76 - 130
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120

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QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

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

Lab Sample ID: LCS 310-475233/7

Matrix: Water

Analysis Batch: 475233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	20.19		ug/L		101	33 - 138
Chloroethane	20.0	22.55		ug/L		113	59 - 139
Chloromethane	20.0	23.03		ug/L		115	52 - 146
Trichlorofluoromethane	20.0	22.23		ug/L		111	55 - 150
Vinyl chloride	20.0	23.43		ug/L		117	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	108		76 - 130
Toluene-d8 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120

Lab Sample ID: 310-321530-4 MS

Matrix: Water

Analysis Batch: 475233

Client Sample ID: MW-5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	<10.0		50.0	42.65		ug/L		85	46 - 134
Acetone	<10.0		50.0	55.70		ug/L		111	39 - 141
Acrylonitrile	<10.0		250	286.2		ug/L		114	41 - 150
1,2-Dibromo-3-Chloropropane	<1.20		25.0	22.22		ug/L		89	44 - 138
Benzene	<0.500		25.0	23.40		ug/L		94	48 - 125
1,2-Dibromoethane (EDB)	<0.340		25.0	20.47		ug/L		82	60 - 122
Bromochloromethane	<5.00		25.0	25.28		ug/L		101	55 - 131
Bromodichloromethane	<1.00		25.0	24.47		ug/L		98	53 - 122
Bromoform	<5.00		25.0	21.14		ug/L		85	47 - 122
1,2-Dichlorobenzene	<1.00		25.0	24.09		ug/L		96	60 - 120
1,4-Dichlorobenzene	<1.00		25.0	25.39		ug/L		102	58 - 120
Carbon disulfide	<1.00		25.0	28.33		ug/L		113	45 - 137
1,1-Dichloroethane	<1.00		25.0	24.28		ug/L		97	53 - 127
Carbon tetrachloride	<2.00		25.0	27.16		ug/L		109	45 - 136
1,2-Dichloroethane	<1.00		25.0	24.50		ug/L		98	48 - 128
Chlorobenzene	<1.00		25.0	22.21		ug/L		89	59 - 120
1,1-Dichloroethene	<2.00		25.0	24.80		ug/L		99	51 - 134
Chlorodibromomethane	<5.00		25.0	20.96		ug/L		84	53 - 121
1,2-Dichloropropane	<1.00		25.0	23.27		ug/L		93	59 - 128
Chloroform	<3.00		25.0	24.74		ug/L		99	52 - 122
2-Hexanone	<10.0		50.0	42.43		ug/L		85	46 - 141
cis-1,2-Dichloroethene	<1.00		25.0	24.33		ug/L		97	51 - 123
cis-1,3-Dichloropropene	<5.00		25.0	21.00		ug/L		84	55 - 123
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	39.24		ug/L		78	49 - 138
Dibromomethane	<1.00		25.0	25.58		ug/L		102	57 - 122
Ethylbenzene	<1.00		25.0	21.60		ug/L		86	53 - 120
Iodomethane	<10.0		25.0	17.90		ug/L		72	18 - 150
1,1,1,2-Tetrachloroethane	<1.00		25.0	21.94		ug/L		88	55 - 121
Methylene Chloride	<5.00		25.0	28.34		ug/L		113	59 - 128
1,1,2,2-Tetrachloroethane	<1.00		25.0	22.27		ug/L		89	55 - 123
Styrene	<1.00		25.0	22.40		ug/L		90	50 - 125

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

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

Lab Sample ID: 310-321530-4 MS

Matrix: Water

Analysis Batch: 475233

Client Sample ID: MW-5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	<1.00		25.0	22.87		ug/L		91	51 - 128
Toluene	<1.00		25.0	22.06		ug/L		88	52 - 120
trans-1,2-Dichloroethene	<1.00		25.0	25.88		ug/L		104	53 - 127
trans-1,3-Dichloropropene	<5.00		25.0	18.93		ug/L		76	50 - 123
trans-1,4-Dichloro-2-butene	<10.0		25.0	20.55		ug/L		82	28 - 150
1,1,1-Trichloroethane	<1.00		25.0	25.64		ug/L		103	53 - 130
1,1,2-Trichloroethane	<1.00		25.0	23.47		ug/L		94	60 - 121
Trichloroethene	<1.00		25.0	21.64		ug/L		87	50 - 128
1,2,3-Trichloropropane	<1.00		25.0	23.16		ug/L		93	56 - 122
Vinyl acetate	<10.0		50.0	41.05		ug/L		82	31 - 150
Xylenes, Total	<3.00		50.0	43.71		ug/L		87	50 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	114		76 - 130
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	94		80 - 120

Lab Sample ID: 310-321530-4 MSD

Matrix: Water

Analysis Batch: 475233

Client Sample ID: MW-5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Butanone (MEK)	<10.0		50.0	41.61		ug/L		83	46 - 134	2	23
Acetone	<10.0		50.0	54.15		ug/L		108	39 - 141	3	23
Acrylonitrile	<10.0		250	281.6		ug/L		113	41 - 150	2	20
1,2-Dibromo-3-Chloropropane	<1.20		25.0	21.68		ug/L		87	44 - 138	2	24
Benzene	<0.500		25.0	22.33		ug/L		89	48 - 125	5	20
1,2-Dibromoethane (EDB)	<0.340		25.0	20.74		ug/L		83	60 - 122	1	20
Bromochloromethane	<5.00		25.0	23.97		ug/L		96	55 - 131	5	21
Bromodichloromethane	<1.00		25.0	23.50		ug/L		94	53 - 122	4	20
Bromoform	<5.00		25.0	21.48		ug/L		86	47 - 122	2	20
1,2-Dichlorobenzene	<1.00		25.0	23.53		ug/L		94	60 - 120	2	20
1,4-Dichlorobenzene	<1.00		25.0	24.57		ug/L		98	58 - 120	3	20
Carbon disulfide	<1.00		25.0	24.21		ug/L		97	45 - 137	16	24
1,1-Dichloroethane	<1.00		25.0	23.86		ug/L		95	53 - 127	2	20
Carbon tetrachloride	<2.00		25.0	26.01		ug/L		104	45 - 136	4	20
1,2-Dichloroethane	<1.00		25.0	23.69		ug/L		95	48 - 128	3	20
Chlorobenzene	<1.00		25.0	22.08		ug/L		88	59 - 120	1	20
1,1-Dichloroethene	<2.00		25.0	24.08		ug/L		96	51 - 134	3	20
Chlorodibromomethane	<5.00		25.0	21.04		ug/L		84	53 - 121	0	20
1,2-Dichloropropane	<1.00		25.0	22.82		ug/L		91	59 - 128	2	20
Chloroform	<3.00		25.0	23.71		ug/L		95	52 - 122	4	20
2-Hexanone	<10.0		50.0	44.13		ug/L		88	46 - 141	4	20
cis-1,2-Dichloroethene	<1.00		25.0	23.49		ug/L		94	51 - 123	4	20
cis-1,3-Dichloropropene	<5.00		25.0	21.17		ug/L		85	55 - 123	1	20
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	40.57		ug/L		81	49 - 138	3	20
Dibromomethane	<1.00		25.0	24.76		ug/L		99	57 - 122	3	20

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

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

Lab Sample ID: 310-321530-4 MSD

Matrix: Water

Analysis Batch: 475233

Client Sample ID: MW-5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	<1.00		25.0	21.84		ug/L		87	53 - 120	1	20
Iodomethane	<10.0		25.0	20.32		ug/L		81	18 - 150	13	32
1,1,1,2-Tetrachloroethane	<1.00		25.0	21.95		ug/L		88	55 - 121	0	20
Methylene Chloride	<5.00		25.0	26.92		ug/L		108	59 - 128	5	20
1,1,2,2-Tetrachloroethane	<1.00		25.0	23.06		ug/L		92	55 - 123	3	20
Styrene	<1.00		25.0	22.65		ug/L		91	50 - 125	1	20
Tetrachloroethene	<1.00		25.0	22.69		ug/L		91	51 - 128	1	20
Toluene	<1.00		25.0	22.40		ug/L		90	52 - 120	2	20
trans-1,2-Dichloroethene	<1.00		25.0	24.09		ug/L		96	53 - 127	7	20
trans-1,3-Dichloropropene	<5.00		25.0	19.33		ug/L		77	50 - 123	2	20
trans-1,4-Dichloro-2-butene	<10.0		25.0	22.57		ug/L		90	28 - 150	9	24
1,1,1-Trichloroethane	<1.00		25.0	24.77		ug/L		99	53 - 130	3	20
1,1,2-Trichloroethane	<1.00		25.0	23.59		ug/L		94	60 - 121	1	20
Trichloroethene	<1.00		25.0	21.07		ug/L		84	50 - 128	3	20
1,2,3-Trichloropropane	<1.00		25.0	22.94		ug/L		92	56 - 122	1	21
Vinyl acetate	<10.0		50.0	40.98		ug/L		82	31 - 150	0	25
Xylenes, Total	<3.00		50.0	44.49		ug/L		89	50 - 122	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	111		76 - 130
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 310-475321/1-A

Matrix: Water

Analysis Batch: 476272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475321

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.0978		0.0978		ug/L		12/02/25 14:04	12/12/25 12:26	1
Endosulfan I	<0.0978		0.0978		ug/L		12/02/25 14:04	12/12/25 12:26	1
beta-BHC	<0.0978		0.0978		ug/L		12/02/25 14:04	12/12/25 12:26	1
gamma-BHC (Lindane)	<0.0978		0.0978		ug/L		12/02/25 14:04	12/12/25 12:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	35		10 - 150	12/02/25 14:04	12/12/25 12:26	1
Tetrachloro-m-xylene (Surr)	67		17 - 150	12/02/25 14:04	12/12/25 12:26	1

Lab Sample ID: LCS 310-475321/2-A

Matrix: Water

Analysis Batch: 476272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475321

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	2.78	1.996		ug/L		72	28 - 150
alpha-BHC	2.78	1.949		ug/L		70	57 - 149
Endosulfan I	2.78	1.514		ug/L		54	26 - 133

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 310-475321/2-A

Matrix: Water

Analysis Batch: 476272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475321

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Endosulfan sulfate	2.78	1.810		ug/L		65	54 - 150
beta-BHC	2.78	1.811		ug/L		65	53 - 145
Endrin	2.78	1.742		ug/L		63	41 - 150
Endrin aldehyde	2.78	1.670		ug/L		60	42 - 147
gamma-BHC (Lindane)	2.78	1.951		ug/L		70	57 - 150
Heptachlor	2.78	1.731		ug/L		62	16 - 135
Methoxychlor	2.78	1.440		ug/L		52	16 - 150

Surrogate	%Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	34		10 - 150
Tetrachloro-m-xylene (Surr)	67		17 - 150

Lab Sample ID: 310-321530-6 MS

Matrix: Water

Analysis Batch: 476272

Client Sample ID: MW-7R

Prep Type: Total/NA

Prep Batch: 475321

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	<0.0946		2.65	2.197		ug/L		83	15 - 150
alpha-BHC	<0.0946		2.65	2.002		ug/L		75	33 - 150
Endosulfan I	<0.0946		2.65	1.610		ug/L		61	10 - 150
Endosulfan sulfate	<0.0946		2.65	1.998		ug/L		75	39 - 150
beta-BHC	<0.0946		2.65	1.629		ug/L		61	32 - 150
Endrin	<0.0946		2.65	1.930		ug/L		73	18 - 150
Endrin aldehyde	<0.0946		2.65	1.783		ug/L		67	26 - 150
gamma-BHC (Lindane)	<0.0946		2.65	2.061		ug/L		78	35 - 150
Heptachlor	<0.0946		2.65	1.738		ug/L		66	10 - 150
Methoxychlor	<0.0946		2.65	1.454		ug/L		55	10 - 150

Surrogate	%Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	64		10 - 150
Tetrachloro-m-xylene (Surr)	75		17 - 150

Lab Sample ID: 310-321530-6 MSD

Matrix: Water

Analysis Batch: 476272

Client Sample ID: MW-7R

Prep Type: Total/NA

Prep Batch: 475321

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	<0.0946		2.58	2.214		ug/L		86	15 - 150	1	35
alpha-BHC	<0.0946		2.58	1.930		ug/L		74	33 - 150	4	35
Endosulfan I	<0.0946		2.58	1.569		ug/L		61	10 - 150	1	35
Endosulfan sulfate	<0.0946		2.58	1.927		ug/L		75	39 - 150	1	35
beta-BHC	<0.0946		2.58	1.495		ug/L		58	32 - 150	8	35
Endrin	<0.0946		2.58	1.909		ug/L		74	18 - 150	1	35
Endrin aldehyde	<0.0946		2.58	1.765		ug/L		68	26 - 150	4	35
gamma-BHC (Lindane)	<0.0946		2.58	1.946		ug/L		76	35 - 150	6	35
Heptachlor	<0.0946		2.58	1.657		ug/L		64	10 - 150	5	35
Methoxychlor	<0.0946		2.58	1.446		ug/L		56	10 - 150	1	35

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QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 310-321530-6 MSD

Matrix: Water

Analysis Batch: 476272

Client Sample ID: MW-7R

Prep Type: Total/NA

Prep Batch: 475321

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	62		10 - 150
Tetrachloro-m-xylene (Surr)	75		17 - 150

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-475637/3

Matrix: Water

Analysis Batch: 475637

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<1.00		1.00		mg/L			12/04/25 07:51	1

Lab Sample ID: LCS 310-475637/4

Matrix: Water

Analysis Batch: 475637

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	10.04		mg/L		100	90 - 110

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-475309/1-A

Matrix: Water

Analysis Batch: 475751

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		12/03/25 09:00	12/06/25 18:47	1
Cadmium	<0.000200		0.000200		mg/L		12/03/25 09:00	12/06/25 18:47	1
Cobalt	<0.000500		0.000500		mg/L		12/03/25 09:00	12/06/25 18:47	1
Lead	<0.000500		0.000500		mg/L		12/03/25 09:00	12/06/25 18:47	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/06/25 18:47	1

Lab Sample ID: MB 310-475309/1-A

Matrix: Water

Analysis Batch: 475867

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00200		0.00200		mg/L		12/03/25 09:00	12/08/25 16:34	1
Cadmium	<0.000200		0.000200		mg/L		12/03/25 09:00	12/08/25 16:34	1
Copper	<0.00500		0.00500		mg/L		12/03/25 09:00	12/08/25 16:34	1
Nickel	<0.00500		0.00500		mg/L		12/03/25 09:00	12/08/25 16:34	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/08/25 16:34	1
Zinc	<0.0200		0.0200		mg/L		12/03/25 09:00	12/08/25 16:34	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 310-475309/2-A
Matrix: Water
Analysis Batch: 475751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 475309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.1728		mg/L		86	80 - 120
Cadmium	0.100	0.08033		mg/L		80	80 - 120
Cobalt	0.100	0.08879		mg/L		89	80 - 120
Lead	0.200	0.1751		mg/L		88	80 - 120
Selenium	0.400	0.3246		mg/L		81	80 - 120

Lab Sample ID: LCS 310-475309/2-A
Matrix: Water
Analysis Batch: 475867

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 475309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.100	0.09572		mg/L		96	80 - 120
Cadmium	0.100	0.08973		mg/L		90	80 - 120
Copper	0.200	0.1824		mg/L		91	80 - 120
Nickel	0.200	0.1865		mg/L		93	80 - 120
Selenium	0.400	0.3656		mg/L		91	80 - 120
Zinc	0.200	0.1806		mg/L		90	80 - 120

Lab Sample ID: MB 310-475310/1-A
Matrix: Water
Analysis Batch: 476385

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 475310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		12/03/25 09:00	12/12/25 17:31	1
Barium	<0.00200		0.00200		mg/L		12/03/25 09:00	12/12/25 17:31	1
Cadmium	<0.000200		0.000200		mg/L		12/03/25 09:00	12/12/25 17:31	1
Cobalt	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 17:31	1
Copper	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:31	1
Lead	<0.000500		0.000500		mg/L		12/03/25 09:00	12/12/25 17:31	1
Nickel	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:31	1
Selenium	<0.00500		0.00500		mg/L		12/03/25 09:00	12/12/25 17:31	1
Zinc	<0.0200		0.0200		mg/L		12/03/25 09:00	12/12/25 17:31	1
Iron	<0.100		0.100		mg/L		12/03/25 09:00	12/12/25 17:31	1
Manganese	<0.0100		0.0100		mg/L		12/03/25 09:00	12/12/25 17:31	1

Lab Sample ID: LCS 310-475310/2-A
Matrix: Water
Analysis Batch: 476385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 475310

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.1842		mg/L		92	80 - 120
Barium	0.100	0.08691		mg/L		87	80 - 120
Cadmium	0.100	0.09092		mg/L		91	80 - 120
Cobalt	0.100	0.09363		mg/L		94	80 - 120
Copper	0.200	0.1812		mg/L		91	80 - 120
Lead	0.200	0.1912		mg/L		96	80 - 120
Nickel	0.200	0.1813		mg/L		91	80 - 120
Selenium	0.400	0.3667		mg/L		92	80 - 120

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QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 310-475310/2-A
Matrix: Water
Analysis Batch: 476385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 475310

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	0.200	0.1721		mg/L		86	80 - 120
Iron	0.200	0.2063		mg/L		103	80 - 120
Manganese	0.100	0.08995		mg/L		90	80 - 120

Lab Sample ID: 310-321530-4 MS
Matrix: Water
Analysis Batch: 476385

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 475310

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	<0.00200		0.200	0.2007		mg/L		100	75 - 125
Barium	0.164		0.100	0.2628		mg/L		98	75 - 125
Cadmium	0.000205		0.100	0.09495		mg/L		95	75 - 125
Cobalt	<0.000500		0.100	0.09795		mg/L		98	75 - 125
Copper	<0.00500		0.200	0.1906		mg/L		95	75 - 125
Lead	<0.000500		0.200	0.1970		mg/L		99	75 - 125
Nickel	0.00748		0.200	0.1951		mg/L		94	75 - 125
Selenium	<0.00500		0.400	0.3928		mg/L		98	75 - 125
Zinc	<0.0200		0.200	0.1886		mg/L		94	75 - 125
Iron	<0.100		0.200	0.2201		mg/L		110	75 - 125
Manganese	0.554		0.100	0.6631	4	mg/L		109	75 - 125

Lab Sample ID: 310-321530-4 MSD
Matrix: Water
Analysis Batch: 476385

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 475310

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Arsenic	<0.00200		0.200	0.2000		mg/L		100	75 - 125	0	20
Barium	0.164		0.100	0.2589		mg/L		94	75 - 125	1	20
Cadmium	0.000205		0.100	0.09452		mg/L		94	75 - 125	0	20
Cobalt	<0.000500		0.100	0.09788		mg/L		98	75 - 125	0	20
Copper	<0.00500		0.200	0.1880		mg/L		94	75 - 125	1	20
Lead	<0.000500		0.200	0.1940		mg/L		97	75 - 125	2	20
Nickel	0.00748		0.200	0.1933		mg/L		93	75 - 125	1	20
Selenium	<0.00500		0.400	0.3973		mg/L		99	75 - 125	1	20
Zinc	<0.0200		0.200	0.1864		mg/L		93	75 - 125	1	20
Iron	<0.100		0.200	0.2073		mg/L		104	75 - 125	6	20
Manganese	0.554		0.100	0.6496	4	mg/L		96	75 - 125	2	20

Lab Sample ID: 310-321530-14 DU
Matrix: Water
Analysis Batch: 476385

Client Sample ID: MW-31
Prep Type: Total/NA
Prep Batch: 475310

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Arsenic	<0.00200		<0.00200		mg/L		NC	20
Barium	0.293		0.2531		mg/L		15	20
Cadmium	<0.000200		<0.000200		mg/L		NC	20
Cobalt	0.00200		0.001730		mg/L		15	20
Copper	<0.00500		<0.00500		mg/L		NC	20

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QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-321530-14 DU

Matrix: Water

Analysis Batch: 476385

Client Sample ID: MW-31

Prep Type: Total/NA

Prep Batch: 475310

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Lead	<0.000500		<0.000500		mg/L		NC	20
Nickel	0.0218		0.01927		mg/L		12	20
Selenium	<0.00500		<0.00500		mg/L		NC	20
Zinc	<0.0200		<0.0200		mg/L		NC	20
Iron	<0.100		<0.100		mg/L		NC	20
Manganese	1.74		1.546		mg/L		12	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-475256/1-A

Matrix: Water

Analysis Batch: 475429

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		12/02/25 11:50	12/03/25 09:10	1

Lab Sample ID: LCS 310-475256/2-A

Matrix: Water

Analysis Batch: 475429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001621		mg/L		97	80 - 120

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-846147/1

Matrix: Water

Analysis Batch: 846147

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.00		1.00		mg/L			12/08/25 02:25	1

Lab Sample ID: LCS 500-846147/2

Matrix: Water

Analysis Batch: 846147

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	4.04	3.808		mg/L		94	80 - 120

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-475129/1

Matrix: Water

Analysis Batch: 475129

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			12/01/25 11:03	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Method: I-3765-85 - Residue, Non-filterable (TSS) (Continued)

Lab Sample ID: LCS 310-475129/2

Matrix: Water

Analysis Batch: 475129

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	100.0		mg/L		100	82 - 117

Lab Sample ID: MB 310-475158/1

Matrix: Water

Analysis Batch: 475158

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			12/01/25 12:53	1

Lab Sample ID: LCS 310-475158/2

Matrix: Water

Analysis Batch: 475158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	96.00		mg/L		96	82 - 117

Method: SM 5220D - COD

Lab Sample ID: MB 310-475520/5

Matrix: Water

Analysis Batch: 475520

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<5.00		5.00		mg/L			12/04/25 10:25	1

Lab Sample ID: LCS 310-475520/3

Matrix: Water

Analysis Batch: 475520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	62.7	63.88		mg/L		102	85 - 115

QC Association Summary

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

GC/MS VOA

Analysis Batch: 475115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-10	MW-15	Total/NA	Water	8260D	
310-321530-11	MW-16	Total/NA	Water	8260D	
310-321530-15	MW-DN	Total/NA	Water	8260D	
MB 310-475115/5	Method Blank	Total/NA	Water	8260D	
LCS 310-475115/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-475115/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 475233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-4	MW-5	Total/NA	Water	8260D	
310-321530-6	MW-7R	Total/NA	Water	8260D	
310-321530-12	MW-27	Total/NA	Water	8260D	
310-321530-16	Trip Blank 1	Total/NA	Water	8260D	
310-321530-17	Trip Blank 2	Total/NA	Water	8260D	
MB 310-475233/5	Method Blank	Total/NA	Water	8260D	
LCS 310-475233/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-475233/7	Lab Control Sample	Total/NA	Water	8260D	
310-321530-4 MS	MW-5	Total/NA	Water	8260D	
310-321530-4 MSD	MW-5	Total/NA	Water	8260D	

GC Semi VOA

Prep Batch: 475321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-6	MW-7R	Total/NA	Water	3511	
310-321530-11	MW-16	Total/NA	Water	3511	
310-321530-13	MW-7	Total/NA	Water	3511	
310-321530-14	MW-31	Total/NA	Water	3511	
MB 310-475321/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-475321/2-A	Lab Control Sample	Total/NA	Water	3511	
310-321530-6 MS	MW-7R	Total/NA	Water	3511	
310-321530-6 MSD	MW-7R	Total/NA	Water	3511	

Analysis Batch: 476272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-6	MW-7R	Total/NA	Water	8081B	475321
310-321530-11	MW-16	Total/NA	Water	8081B	475321
310-321530-13	MW-7	Total/NA	Water	8081B	475321
310-321530-14	MW-31	Total/NA	Water	8081B	475321
MB 310-475321/1-A	Method Blank	Total/NA	Water	8081B	475321
LCS 310-475321/2-A	Lab Control Sample	Total/NA	Water	8081B	475321
310-321530-6 MS	MW-7R	Total/NA	Water	8081B	475321
310-321530-6 MSD	MW-7R	Total/NA	Water	8081B	475321

HPLC/IC

Analysis Batch: 475637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-6	MW-7R	Total/NA	Water	9056A	
310-321530-13	MW-7	Total/NA	Water	9056A	
310-321530-14	MW-31	Total/NA	Water	9056A	

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

HPLC/IC (Continued)

Analysis Batch: 475637 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-475637/3	Method Blank	Total/NA	Water	9056A	
LCS 310-475637/4	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 475256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-11	MW-16	Total/NA	Water	7470A	
MB 310-475256/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-475256/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 475309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-1	MW-11	Total/NA	Water	3005A	
310-321530-2	MW-12	Total/NA	Water	3005A	
310-321530-3	MW-4	Total/NA	Water	3005A	
MB 310-475309/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-475309/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 475310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-4	MW-5	Total/NA	Water	3005A	
310-321530-5	MW-6	Total/NA	Water	3005A	
310-321530-6	MW-7R	Total/NA	Water	3005A	
310-321530-7	MW-8	Total/NA	Water	3005A	
310-321530-8	MW-9	Total/NA	Water	3005A	
310-321530-9	MW-14	Total/NA	Water	3005A	
310-321530-10	MW-15	Total/NA	Water	3005A	
310-321530-11	MW-16	Total/NA	Water	3005A	
310-321530-12	MW-27	Total/NA	Water	3005A	
310-321530-13	MW-7	Total/NA	Water	3005A	
310-321530-14	MW-31	Total/NA	Water	3005A	
310-321530-15	MW-DN	Total/NA	Water	3005A	
MB 310-475310/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-475310/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-321530-4 MS	MW-5	Total/NA	Water	3005A	
310-321530-4 MSD	MW-5	Total/NA	Water	3005A	
310-321530-14 DU	MW-31	Total/NA	Water	3005A	

Analysis Batch: 475429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-11	MW-16	Total/NA	Water	7470A	475256
MB 310-475256/1-A	Method Blank	Total/NA	Water	7470A	475256
LCS 310-475256/2-A	Lab Control Sample	Total/NA	Water	7470A	475256

Analysis Batch: 475751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-1	MW-11	Total/NA	Water	6020B	475309
310-321530-2	MW-12	Total/NA	Water	6020B	475309
310-321530-3	MW-4	Total/NA	Water	6020B	475309

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Metals (Continued)

Analysis Batch: 475751 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-475309/1-A	Method Blank	Total/NA	Water	6020B	475309
LCS 310-475309/2-A	Lab Control Sample	Total/NA	Water	6020B	475309

Analysis Batch: 475867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-1	MW-11	Total/NA	Water	6020B	475309
310-321530-2	MW-12	Total/NA	Water	6020B	475309
310-321530-3	MW-4	Total/NA	Water	6020B	475309
MB 310-475309/1-A	Method Blank	Total/NA	Water	6020B	475309
LCS 310-475309/2-A	Lab Control Sample	Total/NA	Water	6020B	475309

Analysis Batch: 476385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-4	MW-5	Total/NA	Water	6020B	475310
310-321530-5	MW-6	Total/NA	Water	6020B	475310
310-321530-6	MW-7R	Total/NA	Water	6020B	475310
310-321530-7	MW-8	Total/NA	Water	6020B	475310
310-321530-8	MW-9	Total/NA	Water	6020B	475310
310-321530-9	MW-14	Total/NA	Water	6020B	475310
310-321530-10	MW-15	Total/NA	Water	6020B	475310
310-321530-11	MW-16	Total/NA	Water	6020B	475310
310-321530-12	MW-27	Total/NA	Water	6020B	475310
310-321530-13	MW-7	Total/NA	Water	6020B	475310
310-321530-14	MW-31	Total/NA	Water	6020B	475310
310-321530-15	MW-DN	Total/NA	Water	6020B	475310
MB 310-475310/1-A	Method Blank	Total/NA	Water	6020B	475310
LCS 310-475310/2-A	Lab Control Sample	Total/NA	Water	6020B	475310
310-321530-4 MS	MW-5	Total/NA	Water	6020B	475310
310-321530-4 MSD	MW-5	Total/NA	Water	6020B	475310
310-321530-14 DU	MW-31	Total/NA	Water	6020B	475310

General Chemistry

Analysis Batch: 475129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-1	MW-11	Total/NA	Water	I-3765-85	
310-321530-2	MW-12	Total/NA	Water	I-3765-85	
310-321530-4	MW-5	Total/NA	Water	I-3765-85	
310-321530-9	MW-14	Total/NA	Water	I-3765-85	
310-321530-10	MW-15	Total/NA	Water	I-3765-85	
310-321530-11	MW-16	Total/NA	Water	I-3765-85	
310-321530-12	MW-27	Total/NA	Water	I-3765-85	
310-321530-15	MW-DN	Total/NA	Water	I-3765-85	
MB 310-475129/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-475129/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 475158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-3	MW-4	Total/NA	Water	I-3765-85	
310-321530-5	MW-6	Total/NA	Water	I-3765-85	

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

General Chemistry (Continued)

Analysis Batch: 475158 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-6	MW-7R	Total/NA	Water	I-3765-85	
310-321530-7	MW-8	Total/NA	Water	I-3765-85	
310-321530-8	MW-9	Total/NA	Water	I-3765-85	
310-321530-13	MW-7	Total/NA	Water	I-3765-85	
310-321530-14	MW-31	Total/NA	Water	I-3765-85	
MB 310-475158/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-475158/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 475520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-6	MW-7R	Total/NA	Water	SM 5220D	
310-321530-13	MW-7	Total/NA	Water	SM 5220D	
310-321530-14	MW-31	Total/NA	Water	SM 5220D	
MB 310-475520/5	Method Blank	Total/NA	Water	SM 5220D	
LCS 310-475520/3	Lab Control Sample	Total/NA	Water	SM 5220D	

Analysis Batch: 846147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321530-1	MW-11	Total/NA	Water	9034	
310-321530-2	MW-12	Total/NA	Water	9034	
310-321530-4	MW-5	Total/NA	Water	9034	
310-321530-7	MW-8	Total/NA	Water	9034	
310-321530-9	MW-14	Total/NA	Water	9034	
310-321530-11	MW-16	Total/NA	Water	9034	
MB 500-846147/1	Method Blank	Total/NA	Water	9034	
LCS 500-846147/2	Lab Control Sample	Total/NA	Water	9034	

Lab Chronicle

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-11

Lab Sample ID: 310-321530-1

Date Collected: 11/24/25 15:26

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			475309	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	475751	NFT2	EET CF	12/06/25 19:23
Total/NA	Prep	3005A			475309	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	475867	NFT2	EET CF	12/08/25 17:11
Total/NA	Analysis	9034		1	846147	CLB	EET CHI	12/08/25 02:35 - 12/08/25 02:41 ¹
Total/NA	Analysis	I-3765-85		1	475129	DGU1	EET CF	12/01/25 11:03

Client Sample ID: MW-12

Lab Sample ID: 310-321530-2

Date Collected: 11/24/25 14:28

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			475309	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	475751	NFT2	EET CF	12/06/25 19:26
Total/NA	Prep	3005A			475309	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	475867	NFT2	EET CF	12/08/25 17:20
Total/NA	Analysis	9034		1	846147	CLB	EET CHI	12/08/25 02:41 - 12/08/25 02:46 ¹
Total/NA	Analysis	I-3765-85		1	475129	DGU1	EET CF	12/01/25 11:03

Client Sample ID: MW-4

Lab Sample ID: 310-321530-3

Date Collected: 11/25/25 13:12

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			475309	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	475751	NFT2	EET CF	12/06/25 19:29
Total/NA	Prep	3005A			475309	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	475867	NFT2	EET CF	12/08/25 17:22
Total/NA	Analysis	I-3765-85		1	475158	DGU1	EET CF	12/01/25 12:53

Client Sample ID: MW-5

Lab Sample ID: 310-321530-4

Date Collected: 11/25/25 12:16

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475233	WSE8	EET CF	12/02/25 11:42
Total/NA	Prep	3005A			475310	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	476385	ZRI4	EET CF	12/12/25 17:36
Total/NA	Analysis	9034		1	846147	CLB	EET CHI	12/08/25 02:46 - 12/08/25 02:52 ¹
Total/NA	Analysis	I-3765-85		1	475129	DGU1	EET CF	12/01/25 11:03

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-6

Date Collected: 11/25/25 11:45

Date Received: 11/26/25 18:45

Lab Sample ID: 310-321530-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			475310	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	476385	ZRI4	EET CF	12/12/25 17:46
Total/NA	Analysis	I-3765-85		1	475158	DGU1	EET CF	12/01/25 12:53

Client Sample ID: MW-7R

Date Collected: 11/25/25 10:19

Date Received: 11/26/25 18:45

Lab Sample ID: 310-321530-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475233	WSE8	EET CF	12/02/25 12:04
Total/NA	Prep	3511			475321	BW2O	EET CF	12/02/25 14:04
Total/NA	Analysis	8081B		1	476272	BW2O	EET CF	12/12/25 13:22
Total/NA	Analysis	9056A		5	475637	HE7K	EET CF	12/04/25 10:15
Total/NA	Prep	3005A			475310	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	476385	ZRI4	EET CF	12/12/25 17:49
Total/NA	Analysis	I-3765-85		1	475158	DGU1	EET CF	12/01/25 12:53
Total/NA	Analysis	SM 5220D		5	475520	ENB7	EET CF	12/04/25 10:25

Client Sample ID: MW-8

Date Collected: 11/25/25 08:50

Date Received: 11/26/25 18:45

Lab Sample ID: 310-321530-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			475310	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	476385	ZRI4	EET CF	12/12/25 17:51
Total/NA	Analysis	9034		1	846147	CLB	EET CHI	12/08/25 02:52 - 12/08/25 02:57 ¹
Total/NA	Analysis	I-3765-85		1	475158	DGU1	EET CF	12/01/25 12:53

Client Sample ID: MW-9

Date Collected: 11/25/25 08:19

Date Received: 11/26/25 18:45

Lab Sample ID: 310-321530-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			475310	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	476385	ZRI4	EET CF	12/12/25 17:59
Total/NA	Analysis	I-3765-85		1	475158	DGU1	EET CF	12/01/25 12:53

Client Sample ID: MW-14

Date Collected: 11/24/25 13:26

Date Received: 11/26/25 18:45

Lab Sample ID: 310-321530-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			475310	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	476385	ZRI4	EET CF	12/12/25 18:01

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-14

Date Collected: 11/24/25 13:26

Date Received: 11/26/25 18:45

Lab Sample ID: 310-321530-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9034		1	846147	CLB	EET CHI	12/08/25 02:57 - 12/08/25 03:03 ¹
Total/NA	Analysis	I-3765-85		1	475129	DGU1	EET CF	12/01/25 11:03

Client Sample ID: MW-15

Date Collected: 11/24/25 12:40

Date Received: 11/26/25 18:45

Lab Sample ID: 310-321530-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475115	WSE8	EET CF	12/01/25 15:49
Total/NA	Prep	3005A			475310	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	476385	ZRI4	EET CF	12/12/25 18:04
Total/NA	Analysis	I-3765-85		1	475129	DGU1	EET CF	12/01/25 11:03

Client Sample ID: MW-16

Date Collected: 11/24/25 11:56

Date Received: 11/26/25 18:45

Lab Sample ID: 310-321530-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475115	WSE8	EET CF	12/01/25 16:11
Total/NA	Prep	3511			475321	BW2O	EET CF	12/02/25 14:04
Total/NA	Analysis	8081B		1	476272	BW2O	EET CF	12/12/25 13:36
Total/NA	Prep	3005A			475310	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	476385	ZRI4	EET CF	12/12/25 18:06
Total/NA	Prep	7470A			475256	RLT9	EET CF	12/02/25 11:50
Total/NA	Analysis	7470A		1	475429	RLT9	EET CF	12/03/25 09:57
Total/NA	Analysis	9034		1	846147	CLB	EET CHI	12/08/25 03:03 - 12/08/25 03:08 ¹
Total/NA	Analysis	I-3765-85		1	475129	DGU1	EET CF	12/01/25 11:03

Client Sample ID: MW-27

Date Collected: 11/24/25 17:02

Date Received: 11/26/25 18:45

Lab Sample ID: 310-321530-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475233	WSE8	EET CF	12/02/25 16:35
Total/NA	Prep	3005A			475310	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	476385	ZRI4	EET CF	12/12/25 18:09
Total/NA	Analysis	I-3765-85		1	475129	DGU1	EET CF	12/01/25 11:03

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Client Sample ID: MW-7

Lab Sample ID: 310-321530-13

Date Collected: 11/25/25 09:41

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3511			475321	BW2O	EET CF	12/02/25 14:04
Total/NA	Analysis	8081B		1	476272	BW2O	EET CF	12/12/25 13:50
Total/NA	Analysis	9056A		5	475637	HE7K	EET CF	12/04/25 10:26
Total/NA	Prep	3005A			475310	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	476385	ZRI4	EET CF	12/12/25 18:12
Total/NA	Analysis	I-3765-85		1	475158	DGU1	EET CF	12/01/25 12:53
Total/NA	Analysis	SM 5220D		5	475520	ENB7	EET CF	12/04/25 10:25

Client Sample ID: MW-31

Lab Sample ID: 310-321530-14

Date Collected: 11/25/25 10:58

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3511			475321	BW2O	EET CF	12/02/25 14:04
Total/NA	Analysis	8081B		1	476272	BW2O	EET CF	12/12/25 14:04
Total/NA	Analysis	9056A		5	475637	HE7K	EET CF	12/04/25 10:38
Total/NA	Prep	3005A			475310	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	476385	ZRI4	EET CF	12/12/25 18:14
Total/NA	Analysis	I-3765-85		1	475158	DGU1	EET CF	12/01/25 12:53
Total/NA	Analysis	SM 5220D		5	475520	ENB7	EET CF	12/04/25 10:25

Client Sample ID: MW-DN

Lab Sample ID: 310-321530-15

Date Collected: 11/24/25 17:02

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475115	WSE8	EET CF	12/01/25 16:56
Total/NA	Prep	3005A			475310	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	476385	ZRI4	EET CF	12/12/25 18:19
Total/NA	Analysis	I-3765-85		1	475129	DGU1	EET CF	12/01/25 11:03

Client Sample ID: Trip Blank 1

Lab Sample ID: 310-321530-16

Date Collected: 11/25/25 00:00

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475233	WSE8	EET CF	12/02/25 10:34

Client Sample ID: Trip Blank 2

Lab Sample ID: 310-321530-17

Date Collected: 11/25/25 00:00

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475233	WSE8	EET CF	12/02/25 10:56

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401
EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

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Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	01-25-26

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

Method Summary

Client: SCS Engineers
Project/Site: Montgomery County (North) - 2nd 2025
Semi-Annual

Job ID: 310-321530-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
9056A	Anions, Ion Chromatography	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
SM 5220D	COD	SM	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

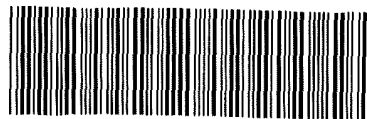
Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200



Environment Testing
America



310-321530 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCS Engineers</u>			
City/State:	CITY	STATE	Project:
		<u>IA</u>	
Receipt Information			
Date/Time Received:	DATE	TIME	Received By:
	<u>11.26.25</u>	<u>6 45</u>	<u>PH</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee			
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes: Cooler ID. _____			
Multiple Coolers? ☒ Yes ☐ No If yes: Cooler # <u>1</u> of <u>2</u>			
Cooler Custody Seals Present? ☐ Yes ☒ No If yes: Cooler custody seals intact? ☐ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☒ Yes ☐ No If yes: Which VOA samples are in cooler? ↓			
<u>MW-S, MW-7R, MW-7, MW-31</u>			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>AA</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.9</u>		Corrected Temp (°C): <u>0.9</u>	
• Sample Container Temperature			
Container(s) used.	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No			
a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



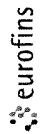
Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCS Engineers</u>			
City/State:	CITY	STATE	Project:
		<u>IA</u>	
Receipt Information			
Date/Time Received:	DATE	TIME	Received By:
	<u>11-26-25</u>	<u>6 45</u>	<u>PH</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee			
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes: Cooler ID _____			
Multiple Coolers? ☒ Yes ☐ No If yes: Cooler # <u>2</u> of <u>2</u>			
Cooler Custody Seals Present? ☐ Yes ☒ No If yes: Cooler custody seals intact? ☐ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☒ Yes ☐ No If yes: Which VOA samples are in cooler? ↓			
<u>MW-15, MW-16, MW-DN, MW-27</u>			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>A4</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>2.3</u>		Corrected Temp (°C): <u>2.3</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1		CONTAINER 2
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No			
a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			

Chain of Custody Record



Cedar Falls IA 50613-6907
phone 319 277 2401 fax 319 277 2425

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Project Manager: Sean Marczewski Email: smarczewski@scsengineers.com		Site Contact: Sean Marczewski		Date: 11/12/2025		COC No	
Cell 712-661-9682		Lab Contact: Sam Miller		Carrier		COCs	
Analysis Turnaround Time ☐ CALENDAR DAYS ☐ WORKING DAYS Other: ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Filtered Sample (Y/N)		Perform MS / MSD (Y/N)		Total Suspended Solids	
Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		# of Cont.	
Sample Identification		MW-11		11/24/25 15 26		MW-11	
MW-12		11/24/25 14 28		MW-12		MW-12	
MW-13		11/25/25 13 12		MW-13		MW-13	
MW-4		11/25/25 2 16		MW-4		MW-4	
MW-5		11/25/25 11 45		MW-5		MW-5	
MW-6		11/25/25 10 19		MW-6		MW-6	
MW-7R		11/25/25 8 50		MW-7R		MW-7R	
MW-8		11/25/25 8 9		MW-8		MW-8	
MW-9		11/24/25 13 26		MW-9		MW-9	
MW-14		11/24/25 12 40		MW-14		MW-14	
MW-15		11/24/25 11 56		MW-15		MW-15	
MW-16		11/24/25 11 56		MW-16		MW-16	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return to Client		Archive for	
Possible Hazard Identification Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return to Client		Archive for	
Special Instructions/QC Requirements & Comments Metals List: Arsenic, barium, cadmium, cobalt, copper, lead, nickel, selenium, and zinc.		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return to Client		Archive for	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No		Cooler Temp (°C)		Obs'd	
Relinquished by		Date/Time 11/26/25 9:30		Received by		Company	
Relinquished by		Date/Time		Received by		Company	
Relinquished by		Date/Time		Received in Laboratory by		Company	

[illegible]

Eurofins Cedar Falls

3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax 319-277-2425

Chain of Custody Record



eurofins
Environmental Testing

Client Information (Sub Contract Lab)		Sampler N/A		Lab PM Miller, Samuel		Carrier Tracking No(s) N/A		COC No: 310-89520 1	
Client Contact: Shipping/Receiving		Phone N/A		E-Mail Samuel.Miller@et.eurofinsus.com		State of Origin Iowa		Page: Page 1 of 1	
Company: Eurofins Environment Testing North Cer				Accreditations Required (See note): State - Iowa, State Program - Iowa				Job #: 310-321530-1	
Address: 18410 Crossing Drive, Suite E, City: Tinley Park State, Zip: IL, 60487 Phone: 708-534-5200(Tel) 708-534-5211(Fax) Email: N/A		Due Date Requested 12/11/2025 TAT Requested (days): N/A		Analysis Requested				Preservation Codes: -	
Project Name: Montgomery County (North) - 2nd 2025 Semi-Annual		Project #: 31013427		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 9034_Calc				Other: N/A	
Site: 310-SCS Montgomery Co SLF		SSOW#: N/A						Special Instructions/Note:	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	
MW-11 (310-321530-1)		11/24/25		15 26 Central		G		Water	
MW-12 (310-321530-2)		11/24/25		14 28 Central		G		Water	
MW-5 (310-321530-4)		11/25/25		12 16 Central		G		Water	
MW-8 (310-321530-7)		11/25/25		08 50 Central		G		Water	
MW-14 (310-321530-9)		11/24/25		13 26 Central		G		Water	
MW-16 (310-321530-11)		11/24/25		11 56 Central		G		Water	
Note: Since laboratory accreditations are subject to change Eurofins Environment Testing North Central, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC.									
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
Unconfirmed					☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months				
Deliverable Requested I, II, III, IV, Other (specify)					Special Instructions/QC Requirements				
Primary Deliverable Rank: 2									
Empty Kit Relinquished by:					Method of Shipment:				
Relinquished by:					Received by:				
Date/Time: 12/25/25 12:30					Date/Time: 12/31/25 10:00				
Company:					Company:				
Relinquished by:					Received by:				
Date/Time:					Date/Time:				
Company:					Company:				
Relinquished by:					Received by:				
Date/Time:					Date/Time:				
Company:					Company:				
Custody Seals Intact. Δ Yes Δ No					Cooler Temperature(s) °C and Other Remarks 1.3 → 1.3				
Custody Seal No									

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-321530-1

SDG Number:

Login Number: 321530

List Number: 1

Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-321530-1

SDG Number:

Login Number: 321530

List Number: 2

Creator: Scott, Sherri L

List Source: Eurofins Chicago

List Creation: 12/03/25 01:16 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Quantitation Limit Exceptions Summary

Client: SCS Engineers

Job ID: 310-321530-1

Project/Site: Montgomery County (North) - 2nd 2025

Semi-Annual

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260D	1,2-Dibromo-3-Chloropropane	Water	Total/NA	ug/L	1.20	5.0
8260D	1,2-Dibromoethane (EDB)	Water	Total/NA	ug/L	0.340	1.0

ANALYTICAL REPORT

PREPARED FOR

Attn: Sean Marczewski
SCS Engineers
1690 All State Court
Suite 100
West Des Moines, Iowa 50265

Generated 12/31/2025 2:24:20 PM

JOB DESCRIPTION

Montgomery Co - 2nd 2025 Semi-Annual GW

JOB NUMBER

310-322338-1

Eurofins Cedar Falls

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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12/31/2025 2:24:20 PM

Authorized for release by
Samuel Miller, Project Management Assistant I
Samuel.Miller@et.eurofinsus.com
(319)595-2008

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Case Narrative

Client: SCS Engineers
Project: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Job ID: 310-322338-1

Eurofins Cedar Falls

Job Narrative 310-322338-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/11/2025 4:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -0.1°C.

GC/MS VOA

Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container: Trip Blank (310-322338-9).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-476290 recovered above the upper control limit for Carbon tetrachloride (25%D). The LCS associated with this CCV passed CCV criteria for the affected analyte; therefore, the data have been reported. The associated sample is:(CCV 310-476290/3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6020B: The laboratory control sample (LCS) for preparation batch 310-476342 and analytical batch 310-477558 recovered outside control limits for the following analytes: silver. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Cedar Falls

Sample Summary

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-322338-1	MW-23	Water	12/09/25 12:14	12/11/25 16:50	Iowa
310-322338-2	MW-24	Water	12/09/25 11:27	12/11/25 16:50	Iowa
310-322338-3	MW-19R	Water	12/09/25 15:21	12/11/25 16:50	Iowa
310-322338-4	MW-22	Water	12/09/25 13:01	12/11/25 16:50	Iowa
310-322338-5	MW-28	Water	12/09/25 17:07	12/11/25 16:50	Iowa
310-322338-6	MW-29	Water	12/09/25 16:28	12/11/25 16:50	Iowa
310-322338-7	GU-1	Water	12/09/25 13:42	12/11/25 16:50	Iowa
310-322338-8	MW-DS	Water	12/09/25 15:21	12/11/25 16:50	Iowa
310-322338-9	Trip Blank	Water	12/09/25 00:00	12/11/25 16:50	Iowa

Detection Summary

Client: SCS Engineers

Job ID: 310-322338-1

Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Client Sample ID: MW-23

Lab Sample ID: 310-322338-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.336		0.00200		mg/L	1		6020B	Total/NA
Total Suspended Solids	1.9		1.9		mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-24

Lab Sample ID: 310-322338-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.502		0.00200		mg/L	1		6020B	Total/NA

Client Sample ID: MW-19R

Lab Sample ID: 310-322338-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.258		0.00200		mg/L	1		6020B	Total/NA
Lead	0.000774		0.000500		mg/L	1		6020B	Total/NA
Total Suspended Solids	28.0		1.9		mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-22

Lab Sample ID: 310-322338-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.230		0.00200		mg/L	1		6020B	Total/NA

Client Sample ID: MW-28

Lab Sample ID: 310-322338-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.255		0.00200		mg/L	1		6020B	Total/NA
Total Suspended Solids	6.3		1.9		mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-29

Lab Sample ID: 310-322338-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.508		0.00200		mg/L	1		6020B	Total/NA
Cadmium	0.000332		0.000200		mg/L	1		6020B	Total/NA
Cobalt	0.000534		0.000500		mg/L	1		6020B	Total/NA
Nickel	0.00924		0.00500		mg/L	1		6020B	Total/NA
Total Suspended Solids	68.5		7.5		mg/L	1		I-3765-85	Total/NA

Client Sample ID: GU-1

Lab Sample ID: 310-322338-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.315		0.00200		mg/L	1		6020B	Total/NA

Client Sample ID: MW-DS

Lab Sample ID: 310-322338-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.246		0.00200		mg/L	1		6020B	Total/NA
Lead	0.000771		0.000500		mg/L	1		6020B	Total/NA
Total Suspended Solids	39.0		1.9		mg/L	1		I-3765-85	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 310-322338-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-23

Lab Sample ID: 310-322338-1

Date Collected: 12/09/25 12:14

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 15:36	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/12/25 15:36	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 15:36	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/12/25 15:36	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/12/25 15:36	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/12/25 15:36	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/12/25 15:36	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/12/25 15:36	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/12/25 15:36	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 15:36	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/12/25 15:36	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/12/25 15:36	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 15:36	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/12/25 15:36	1
2-Hexanone	<10.0		10.0		ug/L			12/12/25 15:36	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/12/25 15:36	1
Acetone	<10.0		10.0		ug/L			12/12/25 15:36	1
Acrylonitrile	<10.0		10.0		ug/L			12/12/25 15:36	1
Benzene	<0.500		0.500		ug/L			12/12/25 15:36	1
Bromochloromethane	<5.00		5.00		ug/L			12/12/25 15:36	1
Bromodichloromethane	<1.00		1.00		ug/L			12/12/25 15:36	1
Bromoform	<5.00		5.00		ug/L			12/12/25 15:36	1
Bromomethane	<4.00		4.00		ug/L			12/12/25 15:36	1
Carbon disulfide	<1.00		1.00		ug/L			12/12/25 15:36	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/12/25 15:36	1
Chlorobenzene	<1.00		1.00		ug/L			12/12/25 15:36	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/12/25 15:36	1
Chloroethane	<4.00		4.00		ug/L			12/12/25 15:36	1
Chloroform	<3.00		3.00		ug/L			12/12/25 15:36	1
Chloromethane	<3.00		3.00		ug/L			12/12/25 15:36	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 15:36	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 15:36	1
Dibromomethane	<1.00		1.00		ug/L			12/12/25 15:36	1
Ethylbenzene	<1.00		1.00		ug/L			12/12/25 15:36	1
Iodomethane	<10.0		10.0		ug/L			12/12/25 15:36	1
Methylene Chloride	<5.00		5.00		ug/L			12/12/25 15:36	1
Styrene	<1.00		1.00		ug/L			12/12/25 15:36	1
Tetrachloroethene	<1.00		1.00		ug/L			12/12/25 15:36	1
Toluene	<1.00		1.00		ug/L			12/12/25 15:36	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 15:36	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 15:36	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/12/25 15:36	1
Trichloroethene	<1.00		1.00		ug/L			12/12/25 15:36	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/12/25 15:36	1
Vinyl acetate	<10.0		10.0		ug/L			12/12/25 15:36	1
Vinyl chloride	<1.00		1.00		ug/L			12/12/25 15:36	1
Xylenes, Total	<3.00		3.00		ug/L			12/12/25 15:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		76 - 130		12/12/25 15:36	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-23

Lab Sample ID: 310-322338-1

Date Collected: 12/09/25 12:14

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		80 - 120		12/12/25 15:36	1
4-Bromofluorobenzene (Surr)	108		80 - 120		12/12/25 15:36	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		12/12/25 13:40	12/30/25 14:36	1
Arsenic	<0.00200		0.00200		mg/L		12/12/25 13:40	12/30/25 14:36	1
Barium	0.336		0.00200		mg/L		12/12/25 13:40	12/30/25 14:36	1
Beryllium	<0.00100		0.00100		mg/L		12/12/25 13:40	12/30/25 14:36	1
Cadmium	<0.000200		0.000200		mg/L		12/12/25 13:40	12/30/25 14:36	1
Chromium	<0.00500		0.00500		mg/L		12/12/25 13:40	12/30/25 14:36	1
Cobalt	<0.000500		0.000500		mg/L		12/12/25 13:40	12/30/25 14:36	1
Copper	<0.00500		0.00500		mg/L		12/12/25 13:40	12/30/25 14:36	1
Lead	<0.000500		0.000500		mg/L		12/12/25 13:40	12/30/25 14:36	1
Nickel	<0.00500		0.00500		mg/L		12/12/25 13:40	12/30/25 14:36	1
Selenium	<0.00500		0.00500		mg/L		12/12/25 13:40	12/30/25 14:36	1
Silver	<0.00100	*+	0.00100		mg/L		12/12/25 13:40	12/30/25 14:36	1
Thallium	<0.00100		0.00100		mg/L		12/12/25 13:40	12/30/25 14:36	1
Vanadium	<0.00500		0.00500		mg/L		12/12/25 13:40	12/30/25 14:36	1
Zinc	<0.0200		0.0200		mg/L		12/12/25 13:40	12/30/25 14:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	1.9		1.9		mg/L			12/12/25 11:16	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-24

Lab Sample ID: 310-322338-2

Date Collected: 12/09/25 11:27

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 15:59	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/12/25 15:59	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 15:59	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/12/25 15:59	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/12/25 15:59	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/12/25 15:59	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/12/25 15:59	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/12/25 15:59	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/12/25 15:59	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 15:59	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/12/25 15:59	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/12/25 15:59	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 15:59	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/12/25 15:59	1
2-Hexanone	<10.0		10.0		ug/L			12/12/25 15:59	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/12/25 15:59	1
Acetone	<10.0		10.0		ug/L			12/12/25 15:59	1
Acrylonitrile	<10.0		10.0		ug/L			12/12/25 15:59	1
Benzene	<0.500		0.500		ug/L			12/12/25 15:59	1
Bromochloromethane	<5.00		5.00		ug/L			12/12/25 15:59	1
Bromodichloromethane	<1.00		1.00		ug/L			12/12/25 15:59	1
Bromoform	<5.00		5.00		ug/L			12/12/25 15:59	1
Bromomethane	<4.00		4.00		ug/L			12/12/25 15:59	1
Carbon disulfide	<1.00		1.00		ug/L			12/12/25 15:59	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/12/25 15:59	1
Chlorobenzene	<1.00		1.00		ug/L			12/12/25 15:59	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/12/25 15:59	1
Chloroethane	<4.00		4.00		ug/L			12/12/25 15:59	1
Chloroform	<3.00		3.00		ug/L			12/12/25 15:59	1
Chloromethane	<3.00		3.00		ug/L			12/12/25 15:59	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 15:59	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 15:59	1
Dibromomethane	<1.00		1.00		ug/L			12/12/25 15:59	1
Ethylbenzene	<1.00		1.00		ug/L			12/12/25 15:59	1
Iodomethane	<10.0		10.0		ug/L			12/12/25 15:59	1
Methylene Chloride	<5.00		5.00		ug/L			12/12/25 15:59	1
Styrene	<1.00		1.00		ug/L			12/12/25 15:59	1
Tetrachloroethene	<1.00		1.00		ug/L			12/12/25 15:59	1
Toluene	<1.00		1.00		ug/L			12/12/25 15:59	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 15:59	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 15:59	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/12/25 15:59	1
Trichloroethene	<1.00		1.00		ug/L			12/12/25 15:59	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/12/25 15:59	1
Vinyl acetate	<10.0		10.0		ug/L			12/12/25 15:59	1
Vinyl chloride	<1.00		1.00		ug/L			12/12/25 15:59	1
Xylenes, Total	<3.00		3.00		ug/L			12/12/25 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		76 - 130		12/12/25 15:59	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-24

Lab Sample ID: 310-322338-2

Date Collected: 12/09/25 11:27

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	88		80 - 120		12/12/25 15:59	1
4-Bromofluorobenzene (Surr)	105		80 - 120		12/12/25 15:59	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		12/12/25 13:40	12/30/25 14:38	1
Arsenic	<0.00200		0.00200		mg/L		12/12/25 13:40	12/30/25 14:38	1
Barium	0.502		0.00200		mg/L		12/12/25 13:40	12/30/25 14:38	1
Beryllium	<0.00100		0.00100		mg/L		12/12/25 13:40	12/30/25 14:38	1
Cadmium	<0.000200		0.000200		mg/L		12/12/25 13:40	12/30/25 14:38	1
Chromium	<0.00500		0.00500		mg/L		12/12/25 13:40	12/30/25 14:38	1
Cobalt	<0.000500		0.000500		mg/L		12/12/25 13:40	12/30/25 14:38	1
Copper	<0.00500		0.00500		mg/L		12/12/25 13:40	12/30/25 14:38	1
Lead	<0.000500		0.000500		mg/L		12/12/25 13:40	12/30/25 14:38	1
Nickel	<0.00500		0.00500		mg/L		12/12/25 13:40	12/30/25 14:38	1
Selenium	<0.00500		0.00500		mg/L		12/12/25 13:40	12/30/25 14:38	1
Silver	<0.00100	*+	0.00100		mg/L		12/12/25 13:40	12/30/25 14:38	1
Thallium	<0.00100		0.00100		mg/L		12/12/25 13:40	12/30/25 14:38	1
Vanadium	<0.00500		0.00500		mg/L		12/12/25 13:40	12/30/25 14:38	1
Zinc	<0.0200		0.0200		mg/L		12/12/25 13:40	12/30/25 14:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			12/12/25 11:16	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-19R

Lab Sample ID: 310-322338-3

Date Collected: 12/09/25 15:21

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 16:21	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/12/25 16:21	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 16:21	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/12/25 16:21	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/12/25 16:21	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/12/25 16:21	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/12/25 16:21	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/12/25 16:21	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/12/25 16:21	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 16:21	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/12/25 16:21	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/12/25 16:21	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 16:21	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/12/25 16:21	1
2-Hexanone	<10.0		10.0		ug/L			12/12/25 16:21	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/12/25 16:21	1
Acetone	<10.0		10.0		ug/L			12/12/25 16:21	1
Acrylonitrile	<10.0		10.0		ug/L			12/12/25 16:21	1
Benzene	<0.500		0.500		ug/L			12/12/25 16:21	1
Bromochloromethane	<5.00		5.00		ug/L			12/12/25 16:21	1
Bromodichloromethane	<1.00		1.00		ug/L			12/12/25 16:21	1
Bromoform	<5.00		5.00		ug/L			12/12/25 16:21	1
Bromomethane	<4.00		4.00		ug/L			12/12/25 16:21	1
Carbon disulfide	<1.00		1.00		ug/L			12/12/25 16:21	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/12/25 16:21	1
Chlorobenzene	<1.00		1.00		ug/L			12/12/25 16:21	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/12/25 16:21	1
Chloroethane	<4.00		4.00		ug/L			12/12/25 16:21	1
Chloroform	<3.00		3.00		ug/L			12/12/25 16:21	1
Chloromethane	<3.00		3.00		ug/L			12/12/25 16:21	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 16:21	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 16:21	1
Dibromomethane	<1.00		1.00		ug/L			12/12/25 16:21	1
Ethylbenzene	<1.00		1.00		ug/L			12/12/25 16:21	1
Iodomethane	<10.0		10.0		ug/L			12/12/25 16:21	1
Methylene Chloride	<5.00		5.00		ug/L			12/12/25 16:21	1
Styrene	<1.00		1.00		ug/L			12/12/25 16:21	1
Tetrachloroethene	<1.00		1.00		ug/L			12/12/25 16:21	1
Toluene	<1.00		1.00		ug/L			12/12/25 16:21	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 16:21	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 16:21	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/12/25 16:21	1
Trichloroethene	<1.00		1.00		ug/L			12/12/25 16:21	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/12/25 16:21	1
Vinyl acetate	<10.0		10.0		ug/L			12/12/25 16:21	1
Vinyl chloride	<1.00		1.00		ug/L			12/12/25 16:21	1
Xylenes, Total	<3.00		3.00		ug/L			12/12/25 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	109		76 - 130		12/12/25 16:21	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-19R

Lab Sample ID: 310-322338-3

Date Collected: 12/09/25 15:21

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	88		80 - 120		12/12/25 16:21	1
4-Bromofluorobenzene (Surr)	102		80 - 120		12/12/25 16:21	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		12/15/25 08:45	12/16/25 15:39	1
Arsenic	<0.00200		0.00200		mg/L		12/15/25 08:45	12/16/25 15:39	1
Barium	0.258		0.00200		mg/L		12/15/25 08:45	12/16/25 15:39	1
Beryllium	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:39	1
Cadmium	<0.000200		0.000200		mg/L		12/15/25 08:45	12/16/25 15:39	1
Chromium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:39	1
Cobalt	<0.000500		0.000500		mg/L		12/15/25 08:45	12/16/25 15:39	1
Copper	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:39	1
Lead	0.000774		0.000500		mg/L		12/15/25 08:45	12/16/25 15:39	1
Nickel	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:39	1
Selenium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:39	1
Silver	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:39	1
Thallium	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:39	1
Vanadium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:39	1
Zinc	<0.0200		0.0200		mg/L		12/15/25 08:45	12/16/25 15:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	28.0		1.9		mg/L			12/12/25 11:16	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-22

Lab Sample ID: 310-322338-4

Date Collected: 12/09/25 13:01

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 16:44	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/12/25 16:44	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 16:44	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/12/25 16:44	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/12/25 16:44	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/12/25 16:44	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/12/25 16:44	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/12/25 16:44	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/12/25 16:44	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 16:44	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/12/25 16:44	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/12/25 16:44	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 16:44	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/12/25 16:44	1
2-Hexanone	<10.0		10.0		ug/L			12/12/25 16:44	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/12/25 16:44	1
Acetone	<10.0		10.0		ug/L			12/12/25 16:44	1
Acrylonitrile	<10.0		10.0		ug/L			12/12/25 16:44	1
Benzene	<0.500		0.500		ug/L			12/12/25 16:44	1
Bromochloromethane	<5.00		5.00		ug/L			12/12/25 16:44	1
Bromodichloromethane	<1.00		1.00		ug/L			12/12/25 16:44	1
Bromoform	<5.00		5.00		ug/L			12/12/25 16:44	1
Bromomethane	<4.00		4.00		ug/L			12/12/25 16:44	1
Carbon disulfide	<1.00		1.00		ug/L			12/12/25 16:44	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/12/25 16:44	1
Chlorobenzene	<1.00		1.00		ug/L			12/12/25 16:44	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/12/25 16:44	1
Chloroethane	<4.00		4.00		ug/L			12/12/25 16:44	1
Chloroform	<3.00		3.00		ug/L			12/12/25 16:44	1
Chloromethane	<3.00		3.00		ug/L			12/12/25 16:44	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 16:44	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 16:44	1
Dibromomethane	<1.00		1.00		ug/L			12/12/25 16:44	1
Ethylbenzene	<1.00		1.00		ug/L			12/12/25 16:44	1
Iodomethane	<10.0		10.0		ug/L			12/12/25 16:44	1
Methylene Chloride	<5.00		5.00		ug/L			12/12/25 16:44	1
Styrene	<1.00		1.00		ug/L			12/12/25 16:44	1
Tetrachloroethene	<1.00		1.00		ug/L			12/12/25 16:44	1
Toluene	<1.00		1.00		ug/L			12/12/25 16:44	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 16:44	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 16:44	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/12/25 16:44	1
Trichloroethene	<1.00		1.00		ug/L			12/12/25 16:44	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/12/25 16:44	1
Vinyl acetate	<10.0		10.0		ug/L			12/12/25 16:44	1
Vinyl chloride	<1.00		1.00		ug/L			12/12/25 16:44	1
Xylenes, Total	<3.00		3.00		ug/L			12/12/25 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		76 - 130		12/12/25 16:44	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-22

Lab Sample ID: 310-322338-4

Date Collected: 12/09/25 13:01

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		80 - 120		12/12/25 16:44	1
4-Bromofluorobenzene (Surr)	104		80 - 120		12/12/25 16:44	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		12/15/25 08:45	12/16/25 15:42	1
Arsenic	<0.00200		0.00200		mg/L		12/15/25 08:45	12/16/25 15:42	1
Barium	0.230		0.00200		mg/L		12/15/25 08:45	12/16/25 15:42	1
Beryllium	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:42	1
Cadmium	<0.000200		0.000200		mg/L		12/15/25 08:45	12/16/25 15:42	1
Chromium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:42	1
Cobalt	<0.000500		0.000500		mg/L		12/15/25 08:45	12/16/25 15:42	1
Copper	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:42	1
Lead	<0.000500		0.000500		mg/L		12/15/25 08:45	12/16/25 15:42	1
Nickel	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:42	1
Selenium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:42	1
Silver	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:42	1
Thallium	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:42	1
Vanadium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:42	1
Zinc	<0.0200		0.0200		mg/L		12/15/25 08:45	12/16/25 15:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			12/12/25 11:16	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-28

Lab Sample ID: 310-322338-5

Date Collected: 12/09/25 17:07

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 17:06	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/12/25 17:06	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 17:06	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/12/25 17:06	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/12/25 17:06	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/12/25 17:06	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/12/25 17:06	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/12/25 17:06	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/12/25 17:06	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 17:06	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/12/25 17:06	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/12/25 17:06	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 17:06	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/12/25 17:06	1
2-Hexanone	<10.0		10.0		ug/L			12/12/25 17:06	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/12/25 17:06	1
Acetone	<10.0		10.0		ug/L			12/12/25 17:06	1
Acrylonitrile	<10.0		10.0		ug/L			12/12/25 17:06	1
Benzene	<0.500		0.500		ug/L			12/12/25 17:06	1
Bromochloromethane	<5.00		5.00		ug/L			12/12/25 17:06	1
Bromodichloromethane	<1.00		1.00		ug/L			12/12/25 17:06	1
Bromoform	<5.00		5.00		ug/L			12/12/25 17:06	1
Bromomethane	<4.00		4.00		ug/L			12/12/25 17:06	1
Carbon disulfide	<1.00		1.00		ug/L			12/12/25 17:06	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/12/25 17:06	1
Chlorobenzene	<1.00		1.00		ug/L			12/12/25 17:06	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/12/25 17:06	1
Chloroethane	<4.00		4.00		ug/L			12/12/25 17:06	1
Chloroform	<3.00		3.00		ug/L			12/12/25 17:06	1
Chloromethane	<3.00		3.00		ug/L			12/12/25 17:06	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 17:06	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 17:06	1
Dibromomethane	<1.00		1.00		ug/L			12/12/25 17:06	1
Ethylbenzene	<1.00		1.00		ug/L			12/12/25 17:06	1
Iodomethane	<10.0		10.0		ug/L			12/12/25 17:06	1
Methylene Chloride	<5.00		5.00		ug/L			12/12/25 17:06	1
Styrene	<1.00		1.00		ug/L			12/12/25 17:06	1
Tetrachloroethene	<1.00		1.00		ug/L			12/12/25 17:06	1
Toluene	<1.00		1.00		ug/L			12/12/25 17:06	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 17:06	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 17:06	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/12/25 17:06	1
Trichloroethene	<1.00		1.00		ug/L			12/12/25 17:06	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/12/25 17:06	1
Vinyl acetate	<10.0		10.0		ug/L			12/12/25 17:06	1
Vinyl chloride	<1.00		1.00		ug/L			12/12/25 17:06	1
Xylenes, Total	<3.00		3.00		ug/L			12/12/25 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	115		76 - 130		12/12/25 17:06	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-28

Lab Sample ID: 310-322338-5

Date Collected: 12/09/25 17:07

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120		12/12/25 17:06	1
4-Bromofluorobenzene (Surr)	99		80 - 120		12/12/25 17:06	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		12/15/25 08:45	12/16/25 15:44	1
Arsenic	<0.00200		0.00200		mg/L		12/15/25 08:45	12/16/25 15:44	1
Barium	0.255		0.00200		mg/L		12/15/25 08:45	12/16/25 15:44	1
Beryllium	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:44	1
Cadmium	<0.000200		0.000200		mg/L		12/15/25 08:45	12/16/25 15:44	1
Chromium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:44	1
Cobalt	<0.000500		0.000500		mg/L		12/15/25 08:45	12/16/25 15:44	1
Copper	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:44	1
Lead	<0.000500		0.000500		mg/L		12/15/25 08:45	12/16/25 15:44	1
Nickel	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:44	1
Selenium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:44	1
Silver	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:44	1
Thallium	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:44	1
Vanadium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:44	1
Zinc	<0.0200		0.0200		mg/L		12/15/25 08:45	12/16/25 15:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	6.3		1.9		mg/L			12/12/25 11:16	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-29

Lab Sample ID: 310-322338-6

Date Collected: 12/09/25 16:28

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 17:29	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/12/25 17:29	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 17:29	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/12/25 17:29	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/12/25 17:29	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/12/25 17:29	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/12/25 17:29	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/12/25 17:29	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/12/25 17:29	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 17:29	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/12/25 17:29	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/12/25 17:29	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 17:29	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/12/25 17:29	1
2-Hexanone	<10.0		10.0		ug/L			12/12/25 17:29	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/12/25 17:29	1
Acetone	<10.0		10.0		ug/L			12/12/25 17:29	1
Acrylonitrile	<10.0		10.0		ug/L			12/12/25 17:29	1
Benzene	<0.500		0.500		ug/L			12/12/25 17:29	1
Bromochloromethane	<5.00		5.00		ug/L			12/12/25 17:29	1
Bromodichloromethane	<1.00		1.00		ug/L			12/12/25 17:29	1
Bromoform	<5.00		5.00		ug/L			12/12/25 17:29	1
Bromomethane	<4.00		4.00		ug/L			12/12/25 17:29	1
Carbon disulfide	<1.00		1.00		ug/L			12/12/25 17:29	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/12/25 17:29	1
Chlorobenzene	<1.00		1.00		ug/L			12/12/25 17:29	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/12/25 17:29	1
Chloroethane	<4.00		4.00		ug/L			12/12/25 17:29	1
Chloroform	<3.00		3.00		ug/L			12/12/25 17:29	1
Chloromethane	<3.00		3.00		ug/L			12/12/25 17:29	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 17:29	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 17:29	1
Dibromomethane	<1.00		1.00		ug/L			12/12/25 17:29	1
Ethylbenzene	<1.00		1.00		ug/L			12/12/25 17:29	1
Iodomethane	<10.0		10.0		ug/L			12/12/25 17:29	1
Methylene Chloride	<5.00		5.00		ug/L			12/12/25 17:29	1
Styrene	<1.00		1.00		ug/L			12/12/25 17:29	1
Tetrachloroethene	<1.00		1.00		ug/L			12/12/25 17:29	1
Toluene	<1.00		1.00		ug/L			12/12/25 17:29	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 17:29	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 17:29	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/12/25 17:29	1
Trichloroethene	<1.00		1.00		ug/L			12/12/25 17:29	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/12/25 17:29	1
Vinyl acetate	<10.0		10.0		ug/L			12/12/25 17:29	1
Vinyl chloride	<1.00		1.00		ug/L			12/12/25 17:29	1
Xylenes, Total	<3.00		3.00		ug/L			12/12/25 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	113		76 - 130		12/12/25 17:29	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-29

Lab Sample ID: 310-322338-6

Date Collected: 12/09/25 16:28

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	88		80 - 120		12/12/25 17:29	1
4-Bromofluorobenzene (Surr)	101		80 - 120		12/12/25 17:29	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		12/15/25 08:45	12/16/25 15:49	1
Arsenic	<0.00200		0.00200		mg/L		12/15/25 08:45	12/16/25 15:49	1
Barium	0.508		0.00200		mg/L		12/15/25 08:45	12/16/25 15:49	1
Beryllium	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:49	1
Cadmium	0.000332		0.000200		mg/L		12/15/25 08:45	12/16/25 15:49	1
Chromium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:49	1
Cobalt	0.000534		0.000500		mg/L		12/15/25 08:45	12/16/25 15:49	1
Copper	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:49	1
Lead	<0.000500		0.000500		mg/L		12/15/25 08:45	12/16/25 15:49	1
Nickel	0.00924		0.00500		mg/L		12/15/25 08:45	12/16/25 15:49	1
Selenium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:49	1
Silver	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:49	1
Thallium	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:49	1
Vanadium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:49	1
Zinc	<0.0200		0.0200		mg/L		12/15/25 08:45	12/16/25 15:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	68.5		7.5		mg/L			12/12/25 11:16	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: GU-1

Lab Sample ID: 310-322338-7

Date Collected: 12/09/25 13:42

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 17:51	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/12/25 17:51	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 17:51	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/12/25 17:51	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/12/25 17:51	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/12/25 17:51	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/12/25 17:51	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/12/25 17:51	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/12/25 17:51	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 17:51	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/12/25 17:51	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/12/25 17:51	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 17:51	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/12/25 17:51	1
2-Hexanone	<10.0		10.0		ug/L			12/12/25 17:51	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/12/25 17:51	1
Acetone	<10.0		10.0		ug/L			12/12/25 17:51	1
Acrylonitrile	<10.0		10.0		ug/L			12/12/25 17:51	1
Benzene	<0.500		0.500		ug/L			12/12/25 17:51	1
Bromochloromethane	<5.00		5.00		ug/L			12/12/25 17:51	1
Bromodichloromethane	<1.00		1.00		ug/L			12/12/25 17:51	1
Bromoform	<5.00		5.00		ug/L			12/12/25 17:51	1
Bromomethane	<4.00		4.00		ug/L			12/12/25 17:51	1
Carbon disulfide	<1.00		1.00		ug/L			12/12/25 17:51	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/12/25 17:51	1
Chlorobenzene	<1.00		1.00		ug/L			12/12/25 17:51	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/12/25 17:51	1
Chloroethane	<4.00		4.00		ug/L			12/12/25 17:51	1
Chloroform	<3.00		3.00		ug/L			12/12/25 17:51	1
Chloromethane	<3.00		3.00		ug/L			12/12/25 17:51	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 17:51	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 17:51	1
Dibromomethane	<1.00		1.00		ug/L			12/12/25 17:51	1
Ethylbenzene	<1.00		1.00		ug/L			12/12/25 17:51	1
Iodomethane	<10.0		10.0		ug/L			12/12/25 17:51	1
Methylene Chloride	<5.00		5.00		ug/L			12/12/25 17:51	1
Styrene	<1.00		1.00		ug/L			12/12/25 17:51	1
Tetrachloroethene	<1.00		1.00		ug/L			12/12/25 17:51	1
Toluene	<1.00		1.00		ug/L			12/12/25 17:51	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 17:51	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 17:51	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/12/25 17:51	1
Trichloroethene	<1.00		1.00		ug/L			12/12/25 17:51	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/12/25 17:51	1
Vinyl acetate	<10.0		10.0		ug/L			12/12/25 17:51	1
Vinyl chloride	<1.00		1.00		ug/L			12/12/25 17:51	1
Xylenes, Total	<3.00		3.00		ug/L			12/12/25 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	116		76 - 130		12/12/25 17:51	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: GU-1

Lab Sample ID: 310-322338-7

Date Collected: 12/09/25 13:42

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	83		80 - 120		12/12/25 17:51	1
4-Bromofluorobenzene (Surr)	102		80 - 120		12/12/25 17:51	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		12/15/25 08:45	12/16/25 15:52	1
Arsenic	<0.00200		0.00200		mg/L		12/15/25 08:45	12/16/25 15:52	1
Barium	0.315		0.00200		mg/L		12/15/25 08:45	12/16/25 15:52	1
Beryllium	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:52	1
Cadmium	<0.000200		0.000200		mg/L		12/15/25 08:45	12/16/25 15:52	1
Chromium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:52	1
Cobalt	<0.000500		0.000500		mg/L		12/15/25 08:45	12/16/25 15:52	1
Copper	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:52	1
Lead	<0.000500		0.000500		mg/L		12/15/25 08:45	12/16/25 15:52	1
Nickel	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:52	1
Selenium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:52	1
Silver	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:52	1
Thallium	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:52	1
Vanadium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:52	1
Zinc	<0.0200		0.0200		mg/L		12/15/25 08:45	12/16/25 15:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			12/12/25 11:16	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-DS

Lab Sample ID: 310-322338-8

Date Collected: 12/09/25 15:21

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 18:14	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/12/25 18:14	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 18:14	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/12/25 18:14	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/12/25 18:14	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/12/25 18:14	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/12/25 18:14	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/12/25 18:14	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/12/25 18:14	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 18:14	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/12/25 18:14	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/12/25 18:14	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 18:14	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/12/25 18:14	1
2-Hexanone	<10.0		10.0		ug/L			12/12/25 18:14	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/12/25 18:14	1
Acetone	<10.0		10.0		ug/L			12/12/25 18:14	1
Acrylonitrile	<10.0		10.0		ug/L			12/12/25 18:14	1
Benzene	<0.500		0.500		ug/L			12/12/25 18:14	1
Bromochloromethane	<5.00		5.00		ug/L			12/12/25 18:14	1
Bromodichloromethane	<1.00		1.00		ug/L			12/12/25 18:14	1
Bromoform	<5.00		5.00		ug/L			12/12/25 18:14	1
Bromomethane	<4.00		4.00		ug/L			12/12/25 18:14	1
Carbon disulfide	<1.00		1.00		ug/L			12/12/25 18:14	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/12/25 18:14	1
Chlorobenzene	<1.00		1.00		ug/L			12/12/25 18:14	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/12/25 18:14	1
Chloroethane	<4.00		4.00		ug/L			12/12/25 18:14	1
Chloroform	<3.00		3.00		ug/L			12/12/25 18:14	1
Chloromethane	<3.00		3.00		ug/L			12/12/25 18:14	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 18:14	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 18:14	1
Dibromomethane	<1.00		1.00		ug/L			12/12/25 18:14	1
Ethylbenzene	<1.00		1.00		ug/L			12/12/25 18:14	1
Iodomethane	<10.0		10.0		ug/L			12/12/25 18:14	1
Methylene Chloride	<5.00		5.00		ug/L			12/12/25 18:14	1
Styrene	<1.00		1.00		ug/L			12/12/25 18:14	1
Tetrachloroethene	<1.00		1.00		ug/L			12/12/25 18:14	1
Toluene	<1.00		1.00		ug/L			12/12/25 18:14	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 18:14	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 18:14	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/12/25 18:14	1
Trichloroethene	<1.00		1.00		ug/L			12/12/25 18:14	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/12/25 18:14	1
Vinyl acetate	<10.0		10.0		ug/L			12/12/25 18:14	1
Vinyl chloride	<1.00		1.00		ug/L			12/12/25 18:14	1
Xylenes, Total	<3.00		3.00		ug/L			12/12/25 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	117		76 - 130		12/12/25 18:14	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-DS

Lab Sample ID: 310-322338-8

Date Collected: 12/09/25 15:21

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	86		80 - 120		12/12/25 18:14	1
4-Bromofluorobenzene (Surr)	102		80 - 120		12/12/25 18:14	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		12/15/25 08:45	12/16/25 15:54	1
Arsenic	<0.00200		0.00200		mg/L		12/15/25 08:45	12/16/25 15:54	1
Barium	0.246		0.00200		mg/L		12/15/25 08:45	12/16/25 15:54	1
Beryllium	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:54	1
Cadmium	<0.000200		0.000200		mg/L		12/15/25 08:45	12/16/25 15:54	1
Chromium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:54	1
Cobalt	<0.000500		0.000500		mg/L		12/15/25 08:45	12/16/25 15:54	1
Copper	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:54	1
Lead	0.000771		0.000500		mg/L		12/15/25 08:45	12/16/25 15:54	1
Nickel	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:54	1
Selenium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:54	1
Silver	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:54	1
Thallium	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 15:54	1
Vanadium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 15:54	1
Zinc	<0.0200		0.0200		mg/L		12/15/25 08:45	12/16/25 15:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	39.0		1.9		mg/L			12/12/25 11:16	1

Client Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: Trip Blank

Lab Sample ID: 310-322338-9

Date Collected: 12/09/25 00:00

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 11:28	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/12/25 11:28	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 11:28	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/12/25 11:28	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/12/25 11:28	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/12/25 11:28	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/12/25 11:28	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/12/25 11:28	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/12/25 11:28	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 11:28	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/12/25 11:28	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/12/25 11:28	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 11:28	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/12/25 11:28	1
2-Hexanone	<10.0		10.0		ug/L			12/12/25 11:28	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/12/25 11:28	1
Acetone	<10.0		10.0		ug/L			12/12/25 11:28	1
Acrylonitrile	<10.0		10.0		ug/L			12/12/25 11:28	1
Benzene	<0.500		0.500		ug/L			12/12/25 11:28	1
Bromochloromethane	<5.00		5.00		ug/L			12/12/25 11:28	1
Bromodichloromethane	<1.00		1.00		ug/L			12/12/25 11:28	1
Bromoform	<5.00		5.00		ug/L			12/12/25 11:28	1
Bromomethane	<4.00		4.00		ug/L			12/12/25 11:28	1
Carbon disulfide	<1.00		1.00		ug/L			12/12/25 11:28	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/12/25 11:28	1
Chlorobenzene	<1.00		1.00		ug/L			12/12/25 11:28	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/12/25 11:28	1
Chloroethane	<4.00		4.00		ug/L			12/12/25 11:28	1
Chloroform	<3.00		3.00		ug/L			12/12/25 11:28	1
Chloromethane	<3.00		3.00		ug/L			12/12/25 11:28	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 11:28	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 11:28	1
Dibromomethane	<1.00		1.00		ug/L			12/12/25 11:28	1
Ethylbenzene	<1.00		1.00		ug/L			12/12/25 11:28	1
Iodomethane	<10.0		10.0		ug/L			12/12/25 11:28	1
Methylene Chloride	<5.00		5.00		ug/L			12/12/25 11:28	1
Styrene	<1.00		1.00		ug/L			12/12/25 11:28	1
Tetrachloroethene	<1.00		1.00		ug/L			12/12/25 11:28	1
Toluene	<1.00		1.00		ug/L			12/12/25 11:28	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 11:28	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 11:28	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/12/25 11:28	1
Trichloroethene	<1.00		1.00		ug/L			12/12/25 11:28	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/12/25 11:28	1
Vinyl acetate	<10.0		10.0		ug/L			12/12/25 11:28	1
Vinyl chloride	<1.00		1.00		ug/L			12/12/25 11:28	1
Xylenes, Total	<3.00		3.00		ug/L			12/12/25 11:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	107		76 - 130		12/12/25 11:28	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers

Job ID: 310-322338-1

Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Client Sample ID: Trip Blank

Lab Sample ID: 310-322338-9

Date Collected: 12/09/25 00:00

Matrix: Water

Date Received: 12/11/25 16:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120		12/12/25 11:28	1
4-Bromofluorobenzene (Surr)	102		80 - 120		12/12/25 11:28	1

Definitions/Glossary

Client: SCS Engineers

Job ID: 310-322338-1

Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Qualifiers

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: SCS Engineers

Job ID: 310-322338-1

Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-322338-1	MW-23	110	91	108
310-322338-2	MW-24	110	88	105
310-322338-3	MW-19R	109	88	102
310-322338-4	MW-22	110	89	104
310-322338-5	MW-28	115	90	99
310-322338-6	MW-29	113	88	101
310-322338-7	GU-1	116	83	102
310-322338-8	MW-DS	117	86	102
310-322338-9	Trip Blank	107	90	102
LCS 310-476290/6	Lab Control Sample	101	98	104
LCS 310-476290/7	Lab Control Sample	107	95	106
MB 310-476290/5	Method Blank	108	94	106

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-476290/5

Matrix: Water

Analysis Batch: 476290

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 09:57	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			12/12/25 09:57	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			12/12/25 09:57	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			12/12/25 09:57	1
1,1-Dichloroethane	<1.00		1.00		ug/L			12/12/25 09:57	1
1,1-Dichloroethene	<2.00		2.00		ug/L			12/12/25 09:57	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			12/12/25 09:57	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20		ug/L			12/12/25 09:57	1
1,2-Dibromoethane (EDB)	<0.340		0.340		ug/L			12/12/25 09:57	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 09:57	1
1,2-Dichloroethane	<1.00		1.00		ug/L			12/12/25 09:57	1
1,2-Dichloropropane	<1.00		1.00		ug/L			12/12/25 09:57	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			12/12/25 09:57	1
2-Butanone (MEK)	<10.0		10.0		ug/L			12/12/25 09:57	1
2-Hexanone	<10.0		10.0		ug/L			12/12/25 09:57	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			12/12/25 09:57	1
Acetone	<10.0		10.0		ug/L			12/12/25 09:57	1
Acrylonitrile	<10.0		10.0		ug/L			12/12/25 09:57	1
Benzene	<0.500		0.500		ug/L			12/12/25 09:57	1
Bromochloromethane	<5.00		5.00		ug/L			12/12/25 09:57	1
Bromodichloromethane	<1.00		1.00		ug/L			12/12/25 09:57	1
Bromoform	<5.00		5.00		ug/L			12/12/25 09:57	1
Bromomethane	<4.00		4.00		ug/L			12/12/25 09:57	1
Carbon disulfide	<1.00		1.00		ug/L			12/12/25 09:57	1
Carbon tetrachloride	<2.00		2.00		ug/L			12/12/25 09:57	1
Chlorobenzene	<1.00		1.00		ug/L			12/12/25 09:57	1
Chlorodibromomethane	<5.00		5.00		ug/L			12/12/25 09:57	1
Chloroethane	<4.00		4.00		ug/L			12/12/25 09:57	1
Chloroform	<3.00		3.00		ug/L			12/12/25 09:57	1
Chloromethane	<3.00		3.00		ug/L			12/12/25 09:57	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 09:57	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 09:57	1
Dibromomethane	<1.00		1.00		ug/L			12/12/25 09:57	1
Ethylbenzene	<1.00		1.00		ug/L			12/12/25 09:57	1
Iodomethane	<10.0		10.0		ug/L			12/12/25 09:57	1
Methylene Chloride	<5.00		5.00		ug/L			12/12/25 09:57	1
Styrene	<1.00		1.00		ug/L			12/12/25 09:57	1
Tetrachloroethene	<1.00		1.00		ug/L			12/12/25 09:57	1
Toluene	<1.00		1.00		ug/L			12/12/25 09:57	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			12/12/25 09:57	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			12/12/25 09:57	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			12/12/25 09:57	1
Trichloroethene	<1.00		1.00		ug/L			12/12/25 09:57	1
Trichlorofluoromethane	<4.00		4.00		ug/L			12/12/25 09:57	1
Vinyl acetate	<10.0		10.0		ug/L			12/12/25 09:57	1
Vinyl chloride	<1.00		1.00		ug/L			12/12/25 09:57	1
Xylenes, Total	<3.00		3.00		ug/L			12/12/25 09:57	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

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

Lab Sample ID: MB 310-476290/5

Matrix: Water

Analysis Batch: 476290

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	108		76 - 130		12/12/25 09:57	1
Toluene-d8 (Surr)	94		80 - 120		12/12/25 09:57	1
4-Bromofluorobenzene (Surr)	106		80 - 120		12/12/25 09:57	1

Lab Sample ID: LCS 310-476290/6

Matrix: Water

Analysis Batch: 476290

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.73		ug/L		99	70 - 121
1,1,1-Trichloroethane	20.0	22.76		ug/L		114	69 - 130
1,1,2,2-Tetrachloroethane	20.0	19.70		ug/L		99	70 - 122
1,1,2-Trichloroethane	20.0	21.04		ug/L		105	75 - 121
1,1-Dichloroethane	20.0	19.81		ug/L		99	69 - 127
1,1-Dichloroethene	20.0	20.71		ug/L		104	64 - 134
1,2,3-Trichloropropane	20.0	19.92		ug/L		100	70 - 122
1,2-Dibromo-3-Chloropropane	20.0	20.08		ug/L		100	62 - 132
1,2-Dibromoethane (EDB)	20.0	19.13		ug/L		96	74 - 122
1,2-Dichlorobenzene	20.0	20.53		ug/L		103	74 - 120
1,2-Dichloroethane	20.0	20.76		ug/L		104	68 - 125
1,2-Dichloropropane	20.0	19.12		ug/L		96	72 - 128
1,4-Dichlorobenzene	20.0	21.27		ug/L		106	72 - 120
2-Butanone (MEK)	40.0	39.74		ug/L		99	60 - 134
2-Hexanone	40.0	40.98		ug/L		102	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	37.51		ug/L		94	62 - 136
Acetone	40.0	46.96		ug/L		117	59 - 136
Acrylonitrile	200	219.4		ug/L		110	50 - 150
Benzene	20.0	19.46		ug/L		97	71 - 125
Bromochloromethane	20.0	21.02		ug/L		105	69 - 131
Bromodichloromethane	20.0	20.28		ug/L		101	70 - 122
Bromoform	20.0	18.95		ug/L		95	62 - 122
Carbon disulfide	20.0	20.26		ug/L		101	58 - 137
Carbon tetrachloride	20.0	22.91		ug/L		115	63 - 136
Chlorobenzene	20.0	19.12		ug/L		96	74 - 120
Chlorodibromomethane	20.0	19.50		ug/L		97	69 - 121
Chloroform	20.0	19.91		ug/L		100	72 - 122
cis-1,2-Dichloroethene	20.0	20.65		ug/L		103	72 - 123
cis-1,3-Dichloropropene	20.0	19.26		ug/L		96	72 - 123
Dibromomethane	20.0	21.60		ug/L		108	72 - 122
Ethylbenzene	20.0	19.00		ug/L		95	75 - 120
Iodomethane	20.0	16.25		ug/L		81	18 - 150
Methylene Chloride	20.0	22.11		ug/L		111	72 - 128
Styrene	20.0	19.19		ug/L		96	74 - 122
Tetrachloroethene	20.0	19.92		ug/L		100	70 - 128
Toluene	20.0	19.19		ug/L		96	74 - 120
trans-1,2-Dichloroethene	20.0	21.56		ug/L		108	67 - 127
trans-1,3-Dichloropropene	20.0	17.28		ug/L		86	67 - 123
trans-1,4-Dichloro-2-butene	20.0	18.25		ug/L		91	50 - 150

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QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

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

Lab Sample ID: LCS 310-476290/6

Matrix: Water

Analysis Batch: 476290

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	20.0	19.27		ug/L		96	70 - 128
Vinyl acetate	40.0	38.07		ug/L		95	50 - 150
Xylenes, Total	40.0	38.28		ug/L		96	74 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	101		76 - 130
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	104		80 - 120

Lab Sample ID: LCS 310-476290/7

Matrix: Water

Analysis Batch: 476290

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	19.03		ug/L		95	33 - 138
Chloroethane	20.0	21.99		ug/L		110	59 - 139
Chloromethane	20.0	21.20		ug/L		106	52 - 146
Trichlorofluoromethane	20.0	23.01		ug/L		115	55 - 150
Vinyl chloride	20.0	22.56		ug/L		113	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	107		76 - 130
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	106		80 - 120

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-476342/1-A

Matrix: Water

Analysis Batch: 477558

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476342

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		12/12/25 13:40	12/30/25 13:13	1
Arsenic	<0.00200		0.00200		mg/L		12/12/25 13:40	12/30/25 13:13	1
Barium	<0.00200		0.00200		mg/L		12/12/25 13:40	12/30/25 13:13	1
Beryllium	<0.00100		0.00100		mg/L		12/12/25 13:40	12/30/25 13:13	1
Cadmium	<0.000200		0.000200		mg/L		12/12/25 13:40	12/30/25 13:13	1
Chromium	<0.00500		0.00500		mg/L		12/12/25 13:40	12/30/25 13:13	1
Cobalt	<0.000500		0.000500		mg/L		12/12/25 13:40	12/30/25 13:13	1
Copper	<0.00500		0.00500		mg/L		12/12/25 13:40	12/30/25 13:13	1
Lead	<0.000500		0.000500		mg/L		12/12/25 13:40	12/30/25 13:13	1
Nickel	<0.00500		0.00500		mg/L		12/12/25 13:40	12/30/25 13:13	1
Selenium	<0.00500		0.00500		mg/L		12/12/25 13:40	12/30/25 13:13	1
Silver	<0.00100		0.00100		mg/L		12/12/25 13:40	12/30/25 13:13	1
Thallium	<0.00100		0.00100		mg/L		12/12/25 13:40	12/30/25 13:13	1
Vanadium	<0.00500		0.00500		mg/L		12/12/25 13:40	12/30/25 13:13	1
Zinc	<0.0200		0.0200		mg/L		12/12/25 13:40	12/30/25 13:13	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 310-476342/2-A

Matrix: Water

Analysis Batch: 477558

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476342

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2191		mg/L		110	80 - 120
Arsenic	0.200	0.2009		mg/L		100	80 - 120
Barium	0.100	0.1055		mg/L		106	80 - 120
Beryllium	0.100	0.1096		mg/L		110	80 - 120
Cadmium	0.100	0.1055		mg/L		106	80 - 120
Chromium	0.100	0.1086		mg/L		109	80 - 120
Cobalt	0.100	0.1031		mg/L		103	80 - 120
Copper	0.200	0.2172		mg/L		109	80 - 120
Lead	0.200	0.2180		mg/L		109	80 - 120
Nickel	0.200	0.2184		mg/L		109	80 - 120
Selenium	0.400	0.4157		mg/L		104	80 - 120
Silver	0.100	0.1207	*+	mg/L		121	80 - 120
Thallium	0.100	0.1028		mg/L		103	80 - 120
Vanadium	0.100	0.1056		mg/L		106	80 - 120
Zinc	0.200	0.2001		mg/L		100	80 - 120

Lab Sample ID: MB 310-476343/1-A

Matrix: Water

Analysis Batch: 476653

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		12/15/25 08:45	12/16/25 14:56	1
Arsenic	<0.00200		0.00200		mg/L		12/15/25 08:45	12/16/25 14:56	1
Barium	<0.00200		0.00200		mg/L		12/15/25 08:45	12/16/25 14:56	1
Beryllium	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 14:56	1
Cadmium	<0.000200		0.000200		mg/L		12/15/25 08:45	12/16/25 14:56	1
Chromium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 14:56	1
Cobalt	<0.000500		0.000500		mg/L		12/15/25 08:45	12/16/25 14:56	1
Copper	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 14:56	1
Lead	<0.000500		0.000500		mg/L		12/15/25 08:45	12/16/25 14:56	1
Nickel	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 14:56	1
Selenium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 14:56	1
Silver	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 14:56	1
Thallium	<0.00100		0.00100		mg/L		12/15/25 08:45	12/16/25 14:56	1
Vanadium	<0.00500		0.00500		mg/L		12/15/25 08:45	12/16/25 14:56	1
Zinc	<0.0200		0.0200		mg/L		12/15/25 08:45	12/16/25 14:56	1

Lab Sample ID: LCS 310-476343/2-A

Matrix: Water

Analysis Batch: 476653

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2221		mg/L		111	80 - 120
Arsenic	0.200	0.1954		mg/L		98	80 - 120
Barium	0.100	0.09584		mg/L		96	80 - 120
Beryllium	0.100	0.09473		mg/L		95	80 - 120
Cadmium	0.100	0.09700		mg/L		97	80 - 120
Chromium	0.100	0.09596		mg/L		96	80 - 120
Cobalt	0.100	0.09566		mg/L		96	80 - 120

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QC Sample Results

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 310-476343/2-A

Matrix: Water

Analysis Batch: 476653

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.200	0.1972		mg/L		99	80 - 120
Lead	0.200	0.2007		mg/L		100	80 - 120
Nickel	0.200	0.1982		mg/L		99	80 - 120
Selenium	0.400	0.3811		mg/L		95	80 - 120
Silver	0.100	0.1149		mg/L		115	80 - 120
Thallium	0.100	0.09451		mg/L		95	80 - 120
Vanadium	0.100	0.09540		mg/L		95	80 - 120
Zinc	0.200	0.1985		mg/L		99	80 - 120

Lab Sample ID: 310-322338-5 DU

Matrix: Water

Analysis Batch: 476653

Client Sample ID: MW-28

Prep Type: Total/NA

Prep Batch: 476343

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00200		<0.00200		mg/L		NC	20
Arsenic	<0.00200		<0.00200		mg/L		NC	20
Barium	0.255		0.2589		mg/L		2	20
Beryllium	<0.00100		<0.00100		mg/L		NC	20
Cadmium	<0.000200		<0.000200		mg/L		NC	20
Chromium	<0.00500		<0.00500		mg/L		NC	20
Cobalt	<0.000500		<0.000500		mg/L		NC	20
Copper	<0.00500		<0.00500		mg/L		NC	20
Lead	<0.000500		<0.000500		mg/L		NC	20
Nickel	<0.00500		<0.00500		mg/L		NC	20
Selenium	<0.00500		<0.00500		mg/L		NC	20
Silver	<0.00100		<0.00100		mg/L		NC	20
Thallium	<0.00100		<0.00100		mg/L		NC	20
Vanadium	<0.00500		<0.00500		mg/L		NC	20
Zinc	<0.0200		<0.0200		mg/L		NC	20

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-476316/1

Matrix: Water

Analysis Batch: 476316

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			12/12/25 11:16	1

Lab Sample ID: LCS 310-476316/2

Matrix: Water

Analysis Batch: 476316

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	94.00		mg/L		94	82 - 117

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QC Association Summary

Client: SCS Engineers

Job ID: 310-322338-1

Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

GC/MS VOA

Analysis Batch: 476290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322338-1	MW-23	Total/NA	Water	8260D	
310-322338-2	MW-24	Total/NA	Water	8260D	
310-322338-3	MW-19R	Total/NA	Water	8260D	
310-322338-4	MW-22	Total/NA	Water	8260D	
310-322338-5	MW-28	Total/NA	Water	8260D	
310-322338-6	MW-29	Total/NA	Water	8260D	
310-322338-7	GU-1	Total/NA	Water	8260D	
310-322338-8	MW-DS	Total/NA	Water	8260D	
310-322338-9	Trip Blank	Total/NA	Water	8260D	
MB 310-476290/5	Method Blank	Total/NA	Water	8260D	
LCS 310-476290/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-476290/7	Lab Control Sample	Total/NA	Water	8260D	

Metals

Prep Batch: 476342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322338-1	MW-23	Total/NA	Water	3005A	
310-322338-2	MW-24	Total/NA	Water	3005A	
MB 310-476342/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-476342/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 476343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322338-3	MW-19R	Total/NA	Water	3005A	
310-322338-4	MW-22	Total/NA	Water	3005A	
310-322338-5	MW-28	Total/NA	Water	3005A	
310-322338-6	MW-29	Total/NA	Water	3005A	
310-322338-7	GU-1	Total/NA	Water	3005A	
310-322338-8	MW-DS	Total/NA	Water	3005A	
MB 310-476343/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-476343/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-322338-5 DU	MW-28	Total/NA	Water	3005A	

Analysis Batch: 476653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322338-3	MW-19R	Total/NA	Water	6020B	476343
310-322338-4	MW-22	Total/NA	Water	6020B	476343
310-322338-5	MW-28	Total/NA	Water	6020B	476343
310-322338-6	MW-29	Total/NA	Water	6020B	476343
310-322338-7	GU-1	Total/NA	Water	6020B	476343
310-322338-8	MW-DS	Total/NA	Water	6020B	476343
MB 310-476343/1-A	Method Blank	Total/NA	Water	6020B	476343
LCS 310-476343/2-A	Lab Control Sample	Total/NA	Water	6020B	476343
310-322338-5 DU	MW-28	Total/NA	Water	6020B	476343

Analysis Batch: 477558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322338-1	MW-23	Total/NA	Water	6020B	476342
310-322338-2	MW-24	Total/NA	Water	6020B	476342
MB 310-476342/1-A	Method Blank	Total/NA	Water	6020B	476342

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Metals (Continued)

Analysis Batch: 477558 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-476342/2-A	Lab Control Sample	Total/NA	Water	6020B	476342

General Chemistry

Analysis Batch: 476316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322338-1	MW-23	Total/NA	Water	I-3765-85	
310-322338-2	MW-24	Total/NA	Water	I-3765-85	
310-322338-3	MW-19R	Total/NA	Water	I-3765-85	
310-322338-4	MW-22	Total/NA	Water	I-3765-85	
310-322338-5	MW-28	Total/NA	Water	I-3765-85	
310-322338-6	MW-29	Total/NA	Water	I-3765-85	
310-322338-7	GU-1	Total/NA	Water	I-3765-85	
310-322338-8	MW-DS	Total/NA	Water	I-3765-85	
MB 310-476316/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-476316/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Lab Chronicle

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-23

Lab Sample ID: 310-322338-1

Date Collected: 12/09/25 12:14

Matrix: Water

Date Received: 12/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476290	WSE8	EET CF	12/12/25 15:36
Total/NA	Prep	3005A			476342	RLT9	EET CF	12/12/25 13:40
Total/NA	Analysis	6020B		1	477558	NFT2	EET CF	12/30/25 14:36
Total/NA	Analysis	I-3765-85		1	476316	DGU1	EET CF	12/12/25 11:16

Client Sample ID: MW-24

Lab Sample ID: 310-322338-2

Date Collected: 12/09/25 11:27

Matrix: Water

Date Received: 12/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476290	WSE8	EET CF	12/12/25 15:59
Total/NA	Prep	3005A			476342	RLT9	EET CF	12/12/25 13:40
Total/NA	Analysis	6020B		1	477558	NFT2	EET CF	12/30/25 14:38
Total/NA	Analysis	I-3765-85		1	476316	DGU1	EET CF	12/12/25 11:16

Client Sample ID: MW-19R

Lab Sample ID: 310-322338-3

Date Collected: 12/09/25 15:21

Matrix: Water

Date Received: 12/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476290	WSE8	EET CF	12/12/25 16:21
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		1	476653	NFT2	EET CF	12/16/25 15:39
Total/NA	Analysis	I-3765-85		1	476316	DGU1	EET CF	12/12/25 11:16

Client Sample ID: MW-22

Lab Sample ID: 310-322338-4

Date Collected: 12/09/25 13:01

Matrix: Water

Date Received: 12/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476290	WSE8	EET CF	12/12/25 16:44
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		1	476653	NFT2	EET CF	12/16/25 15:42
Total/NA	Analysis	I-3765-85		1	476316	DGU1	EET CF	12/12/25 11:16

Client Sample ID: MW-28

Lab Sample ID: 310-322338-5

Date Collected: 12/09/25 17:07

Matrix: Water

Date Received: 12/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476290	WSE8	EET CF	12/12/25 17:06
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		1	476653	NFT2	EET CF	12/16/25 15:44
Total/NA	Analysis	I-3765-85		1	476316	DGU1	EET CF	12/12/25 11:16

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Client Sample ID: MW-29

Lab Sample ID: 310-322338-6

Date Collected: 12/09/25 16:28

Matrix: Water

Date Received: 12/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476290	WSE8	EET CF	12/12/25 17:29
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		1	476653	NFT2	EET CF	12/16/25 15:49
Total/NA	Analysis	I-3765-85		1	476316	DGU1	EET CF	12/12/25 11:16

Client Sample ID: GU-1

Lab Sample ID: 310-322338-7

Date Collected: 12/09/25 13:42

Matrix: Water

Date Received: 12/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476290	WSE8	EET CF	12/12/25 17:51
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		1	476653	NFT2	EET CF	12/16/25 15:52
Total/NA	Analysis	I-3765-85		1	476316	DGU1	EET CF	12/12/25 11:16

Client Sample ID: MW-DS

Lab Sample ID: 310-322338-8

Date Collected: 12/09/25 15:21

Matrix: Water

Date Received: 12/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476290	WSE8	EET CF	12/12/25 18:14
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		1	476653	NFT2	EET CF	12/16/25 15:54
Total/NA	Analysis	I-3765-85		1	476316	DGU1	EET CF	12/12/25 11:16

Client Sample ID: Trip Blank

Lab Sample ID: 310-322338-9

Date Collected: 12/09/25 00:00

Matrix: Water

Date Received: 12/11/25 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476290	WSE8	EET CF	12/12/25 11:28

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: SCS Engineers

Job ID: 310-322338-1

Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401



Environment Testing
America



310-322338 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCS</u>			
City/State:	CITY <u>W. Des Moines</u>	STATE <u>IA</u>	Project:
Receipt Information			
Date/Time Received:	DATE <u>12-11-25</u>	TIME <u>1650</u>	Received By: <u>PH</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID: _____
Multiple Coolers?		☐ Yes ☒ No	If yes: Cooler # _____ of _____
Cooler Custody Seals Present?		☐ Yes ☒ No	If yes: Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☒ Yes ☐ No	If yes: Which VOA samples are in cooler? ↓ <u>AC</u>
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>AA</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>-0.1</u>		Corrected Temp (°C): <u>-0.1</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

Project Manager: Email: smarczewski@scsengineers.com Cell 712-661-9682		Client Contact SCS Engineers 1690 All-State Court, Suite 100 West Des Moines, IA 50265 712-661-9682		Site Contact: Sean Marczewski Lab Contact: Sam Miller		Date 11/12/2025 Carrier:		COC No _____ of _____ COCs	
Analysis Turnaround Time ☐ CALENDAR DAYS ☐ WORKING DAYS Other: _____ ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Sample Date 12/9/25		Sample Time 12:14	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes	
Project Name Montgomery Co - 2nd 2025 Semi-Annual GW Site Montgomery County Sanitary Landfill (South Unit) P O # 27225095 02		MW-23		12/9/25	12:14			X	
		MW-24			11:27			X	
		MW-19R			15:21			X	
		MW-22			13:01			X	
		MW-28			17:07			X	
		MW-29			16:28			X	
		GU-1			13:42			X	
		GU-2						X	
		MW-DS			15:21			X	
		Trip Blank							X
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
Possible Hazard Identification. Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample		Special Instructions/QC Requirements & Comments:							
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown		☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months							
Custody Seal No		Cooler Temp (°C)		Obs'd		Cor'd		Therm ID No	
Relinquished by: <i>Richard Morgan</i>		Received by: <i>SCS Engineers</i>		Date/Time: 12/11/25		Company: <i>SCS Engineers</i>		Date/Time: _____	
Relinquished by: _____		Received by: _____		Date/Time: _____		Company: _____		Date/Time: _____	
Relinquished by: _____		Received in Laboratory by: <i>[Signature]</i>		Date/Time: _____		Company: _____		Date/Time: 12.11.25	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-322338-1

SDG Number:

Login Number: 322338

List Number: 1

Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Quantitation Limit Exceptions Summary

Client: SCS Engineers

Project/Site: Montgomery Co - 2nd 2025 Semi-Annual GW

Job ID: 310-322338-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260D	1,2-Dibromo-3-Chloropropane	Water	Total/NA	ug/L	1.20	5.0
8260D	1,2-Dibromoethane (EDB)	Water	Total/NA	ug/L	0.340	1.0



Appendix B-2

Data Validation

Completed by: Semir Omerovic
 Date of Sampling: 5/19/2025
 Lab Report Date: 6/2/2025
 Site Name: Montgomery County Sanitary Landfill
 Project Type: HMSP - Supplemental - 1st Semi-Annual Sampling Event
 Lab Report Number: 310-306966-1

OK NO N/A NOTES

Sample Collection and Sample Handling

Chain of Custody
 Temperature
 Preservation
 Condition
 Case Narrative
 Holding Times

X			
X			
X			
X			
X			
X			

Analytical Sensitivity and Blanks

Method Blank Detections
 Trip Blank Detections

X			No detections.
		X	

Accuracy

ICV/CCV
 LCS/LCSD
 MS/MSD

X			
X			
X			
	X		Method 8081B: Surrogate recovery for the following sample was outside control limits: MW-32 (310-306966-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.
X			

Surrogates (organics only)

Other QA QC samples

Precision

QA/QC Sample RPDs
 Field Duplicates

X			
		X	

Completed by: Semir Omerovic
Date of Sampling: 5/19/2025
Lab Report Date: 6/2/2025
Site Name: Montgomery County Sanitary Landfill
Project Type: HMSP - North MSWLF Unit - 1st Semi-Annual Sampling Event
Lab Report Number: 310-306965-1

OK NO N/A NOTES

Sample Collection and Sample Handling

Chain of Custody

Temperature

Preservation

Condition

Case Narrative

Holding Times

X			
X			
X			
	X		Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container: Trip Blank (310-306965-3).
X			
X			

Analytical Sensitivity and Blanks

Method Blank Detections

Trip Blank Detections

X			No detections.
X			No detections.

Accuracy

ICV/CCV

LCS/LCSD

MS/MSD

Surrogates (organics only)

Other QA QC samples

X			
X			
X			
	X		Method 8260D: Surrogate recovery for the following samples were outside the upper control limit: MW-7R (310-306965-1) and MW-DN (310-306965-2). This sample did not contain any target analytes; therefore, re-analysis was not performed.
X			

Precision

QA/QC Sample RPDs

Field Duplicates

X			
	X		Sample MW-7R and duplicate MW-DN had less than 50% RPD for analyzed parameters, with the exception of TSS.

Completed by: Semir Omerovic
Date of Sampling: 5/19/2025
Lab Report Date: 6/2/2025
Site Name: Montgomery County Sanitary Landfill
Project Type: HMSP - South MSWLF Unit - 1st Semi-Annual Sampling Event
Lab Report Number: 310-306964-1

OK NO N/A NOTES

Sample Collection and Sample Handling

Chain of Custody

Temperature

Preservation

Condition

Case Narrative

Holding Times

X			
X			
X			
	X		Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container: MW-22 (310-306964-2).
X			
	X		Method 8260D: Internal standard (ISTD) response for the following samples were outside of acceptance limits: MW-23 (310-306964-3) and MW-24 (310-306964-4). The sample was not re-analyzed due to insufficient holding time. Internal standard recovered below the control limit, giving a high bias to results. All results were non-detects for the associated analyte; therefore, the data was reported.

Analytical Sensitivity and Blanks

Method Blank Detections

Trip Blank Detections

X			No detections.
X			No detections.

Accuracy

ICV/CCV

LCS/LCSD

MS/MSD

Surrogates (organics only)

Other QA QC samples

	X		Method 8260D: The continuing calibration verification (CCV) associated with batch 310-455897 recovered outside of the control limits for Carbon disulfide (-23.2%D) and Iodomethane (-50.6%D). The LCS associated with this CCV passed CCV criteria for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-455897/3).
X			
X			
X			
X			

Precision

QA/QC Sample RPDs

Field Duplicates

X			
	X		Sample MW-19R and duplicate MW-DS had less than 50% RPD for analyzed parameters, with the exception of cobalt, lead, and TSS.

Completed by: Semir Omerovic
Date of Sampling: 11/24/2025
Lab Report Date: 12/14/2025
Site Name: Montgomery County Sanitary Landfill
Project Type: HMSP - North MSWLF Unit - 2nd Semi-Annual Sampling Event
Lab Report Number: 310-321530-1

OK NO N/A NOTES

Sample Collection and Sample Handling

Chain of Custody

Temperature

Preservation

Condition

Case Narrative

Holding Times

X			
X			
	X		Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested Acrylonitrile. The following samples are impacted. MW-27 (310-321530-12)
	X		Method 8260D: The method requirement for no headspace was not met. The following volatile samples were analyzed with headspace in the sample container: Trip Blank 1 (310-321530-16) and Trip Blank 2 (310-321530-17).
X			
	X		Method 8260D: The following sample was analyzed outside of analytical holding time for Acrylonitrile due to instrument error: MW-27 (310-321530-12). Method 9034_Calc: The following samples were received at the Chicago Lab outside of holding time: MW-11 (310-321530-1), MW-12 (310-321530-2), MW-5 (310-321530-4), MW-8 (310-321530-7), MW-14 (310-321530-9) and MW-16 (310-321530-11).

Analytical Sensitivity and Blanks

Method Blank Detections

Trip Blank Detections

X			No detections.
X			No detections.

Accuracy

ICV/CCV

LCS/LCSD

MS/MSD

Surrogates (organics only)

Other QA QC samples

	X		Method 8260D: The continuing calibration verification (CCV) associated with batch 310-475233 recovered above the upper control limit for Carbon tetrachloride (22%D). The LCS associated with this CCV passed CCV criteria for the affected analyte; therefore, the data was reported. The associated sample is:(CCV 310-475233/3). Method 8260D: The continuing calibration verification (CCV) associated with batch 310-475115 recovered above the upper controllimit for Carbon tetrachloride (30%D). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data was reported. The associated sample is:(CCV 310-475115/3).
X			
X			
X			
X			

Precision

QA/QC Sample RPDs

Field Duplicates

X			
	X		Sample MW-27 and duplicate MW-DN had less than 50% RPD for analyzed parameters.

Completed by: Semir Omerovic
Date of Sampling: 12/9/2025
Lab Report Date: 12/31/2025
Site Name: Montgomery County Sanitary Landfill
Project Type: HMSP - South MSWLF Unit - 2nd Semi-Annual Sampling Event
Lab Report Number: 310-322338-1

OK NO N/A NOTES

Sample Collection and Sample Handling

Chain of Custody

Temperature

Preservation

Condition

Case Narrative

Holding Times

Analytical Sensitivity and Blanks

Method Blank Detections

Trip Blank Detections

Accuracy

ICV/CCV

LCS/LCSD

MS/MSD

Surrogates (organics only)

Other QA QC samples

Precision

QA/QC Sample RPDs

Field Duplicates

X			
X			
X			
	X		Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container: Trip Blank (310-322338-9).
X			
X			

X			No detections.
X			No detections.

	X		Method 8260D: The continuing calibration verification (CCV) associated with batch 310-476290 recovered above the upper control limit for Carbon tetrachloride (25%D). The LCS associated with this CCV passed CCV criteria for the affected analyte; therefore, the data have been reported. The associated sample is:(CCV 310-476290/3).
	X		Method 6020B: The laboratory control sample (LCS) for preparation batch 310-476342 and analytical batch 310-477558 recovered outside control limits for the following analytes: silver. The analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.
X			
X			
X			

X			
X			Sample MW-19R and duplicate MW-DS had less than 50% RPD for analyzed parameters.



Appendix C-1

Summary of Groundwater Chemistry – South MSWLF Unit



Summary of Groundwater Chemistry
Montgomery County Sanitary Landfill (South) - 69-SDP-01-74P

	Sample Date	MW-23 UPG	MW-24 UPG	GU-1 DNG	MW-19R DNG	MW-22 DNG	MW-28 DNG	MW-29 DNG
Total Metals Constituents								
Antimony, mg/L (CAS NO - 7440-36-0)	5/19/2025	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
	5/19/2025	N/A	N/A	N/A	< 0.002	N/A	N/A	N/A
	12/9/2025	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
	12/9/2025	N/A	N/A	N/A	< 0.002	N/A	N/A	N/A
Arsenic, mg/L (CAS NO - 7440-38-2)	5/19/2025	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
	5/19/2025	N/A	N/A	N/A	< 0.002	N/A	N/A	N/A
	12/9/2025	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
	12/9/2025	N/A	N/A	N/A	< 0.002	N/A	N/A	N/A
Barium, mg/L (CAS NO - 7440-39-3)	5/19/2025	0.252	0.487	0.181	0.33	0.255	0.24	0.498
	5/19/2025	N/A	N/A	N/A	0.289	N/A	N/A	N/A
	12/9/2025	0.336	0.502	0.315	0.246	0.23	0.255	0.508
	12/9/2025	N/A	N/A	N/A	0.258	N/A	N/A	N/A
Beryllium, mg/L (CAS NO - 7440-41-7)	5/19/2025	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
	5/19/2025	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A
	12/9/2025	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
	12/9/2025	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A
Cadmium, mg/L (CAS NO - 7440-43-9)	5/19/2025	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
	5/19/2025	N/A	N/A	N/A	0.000252	N/A	N/A	N/A
	12/9/2025	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000332
	12/9/2025	N/A	N/A	N/A	< 0.0002	N/A	N/A	N/A
Chromium, mg/L (CAS NO - 7440-47-3)	5/19/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	5/19/2025	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A
	12/9/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	12/9/2025	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A
Cobalt, mg/L (CAS NO - 7440-48-4)	5/19/2025	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	5/19/2025	N/A	N/A	N/A	0.000898	N/A	N/A	N/A
	12/9/2025	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.000534
	12/9/2025	N/A	N/A	N/A	< 0.0005	N/A	N/A	N/A
Copper, mg/L (CAS NO - 7440-50-8)	5/19/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	5/19/2025	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A
	12/9/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	12/9/2025	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A
Lead, mg/L (CAS NO - 7439-92-1)	5/19/2025	< 0.0005	< 0.0005	< 0.0005	0.00347	< 0.0005	< 0.0005	< 0.0005
	5/19/2025	N/A	N/A	N/A	0.000729	N/A	N/A	N/A
	12/9/2025	< 0.0005	< 0.0005	< 0.0005	0.000771	< 0.0005	< 0.0005	< 0.0005
	12/9/2025	N/A	N/A	N/A	0.000774	N/A	N/A	N/A
Nickel, mg/L (CAS NO - 7440-02-0)	5/19/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	5/19/2025	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A
	12/9/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00924
	12/9/2025	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A
Selenium, mg/L (CAS NO - 7782-49-2)	5/19/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	5/19/2025	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A
	12/9/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	12/9/2025	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A
Silver, mg/L (CAS NO - 7440-22-4)	5/19/2025	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
	5/19/2025	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A
	12/9/2025	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
	12/9/2025	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A
Thallium, mg/L (CAS NO - 7440-28-0)	5/19/2025	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
	5/19/2025	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A
	12/9/2025	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
	12/9/2025	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A
Vanadium, mg/L (CAS NO - 7440-62-2)	5/19/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	5/19/2025	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A
	12/9/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	12/9/2025	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A
Zinc, mg/L (CAS NO - 7440-66-6)	5/19/2025	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
	5/19/2025	N/A	N/A	N/A	< 0.02	N/A	N/A	N/A
	12/9/2025	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
	12/9/2025	N/A	N/A	N/A	< 0.02	N/A	N/A	N/A



Summary of Groundwater Chemistry
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	Sample Date	MW-23 UPG	MW-24 UPG	GU-1 DNG	MW-19R DNG	MW-22 DNG	MW-28 DNG	MW-29 DNG
Total Metals Constituents								
Total Suspended Solids, mg/L (CAS NO - TSS)	5/19/2025	< 1.9	< 1.9	< 1.9	157	< 1.9	< 1.9	< 1.9
	5/19/2025	N/A	N/A	N/A	88	N/A	N/A	N/A
	12/9/2025	1.9	< 1.9	< 1.9	39	< 1.9	6.3	68.5
	12/9/2025	N/A	N/A	N/A	28	N/A	N/A	N/A

Note: * indicates 'J flag'. Detection is below the reporting limit, but greater than the MDL (Method Detection Limit). The concentration is estimated.

Denotes Detection.
Denotes Confirmed Outlier. Statistically Excluded.

Sampling performed over multiple dates is recorded on the first date sampled. Refer to field forms for exact sample date.



Summary of Groundwater Chemistry
Montgomery County Sanitary Landfill (South) - 69-SDP-01-74P

	Sample Date	MW-23 UPG	MW-24 UPG	GU-1 DNG	MW-19R DNG	MW-22 DNG	MW-28 DNG	MW-29 DNG
Appendix I VOC Constituents								
1,1,1,2-Tetrachloroethane, ug/L (CAS NO - 630-20-6)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,1,1-Trichloroethane, ug/L (CAS NO - 71-55-6)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,1,2,2-Tetrachloroethane, ug/L (CAS NO - 79-34-5)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,1,2-Trichloroethane, ug/L (CAS NO - 79-00-5)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,1-Dichloroethane, ug/L (CAS NO - 75-34-3)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,1-Dichloroethene, ug/L (CAS NO - 75-35-4)	5/19/2025	< 2	< 2	< 2	< 2	< 2	< 2	< 2
	5/19/2025	N/A	N/A	N/A	< 2	N/A	N/A	N/A
	12/9/2025	< 2	< 2	< 2	< 2	< 2	< 2	< 2
	12/9/2025	N/A	N/A	N/A	< 2	N/A	N/A	N/A
1,2,3-Trichloropropane, ug/L (CAS NO - 96-18-4)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,2-Dibromo-3-Chloropropane, ug/L (CAS NO - 96-12-8)	5/19/2025	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
	5/19/2025	N/A	N/A	N/A	< 1.2	N/A	N/A	N/A
	12/9/2025	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
	12/9/2025	N/A	N/A	N/A	< 1.2	N/A	N/A	N/A
1,2-Dibromoethane [EDB], ug/L (CAS NO - 106-93-4)	5/19/2025	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
	5/19/2025	N/A	N/A	N/A	< 0.34	N/A	N/A	N/A
	12/9/2025	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
	12/9/2025	N/A	N/A	N/A	< 0.34	N/A	N/A	N/A
1,2-Dichlorobenzene, ug/L (CAS NO - 95-50-1)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,2-Dichloroethane, ug/L (CAS NO - 107-06-2)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,2-Dichloropropane, ug/L (CAS NO - 78-87-5)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,4-Dichlorobenzene, ug/L (CAS NO - 106-46-7)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
2-Butanone, ug/L (CAS NO - 78-93-3)	5/19/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	5/19/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A
	12/9/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	12/9/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A
2-Hexanone, ug/L (CAS NO - 591-78-6)	5/19/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	5/19/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A
	12/9/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	12/9/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A



Summary of Groundwater Chemistry
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	Sample Date	MW-23 UPG	MW-24 UPG	GU-1 DNG	MW-19R DNG	MW-22 DNG	MW-28 DNG	MW-29 DNG
Appendix I VOC Constituents								
4-Methyl-2-Pentanone, ug/L (CAS NO - 108-10-1)	5/19/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	5/19/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A
	12/9/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	12/9/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A
Acetone, ug/L (CAS NO - 67-64-1)	5/19/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	5/19/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A
	12/9/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	12/9/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A
Acrylonitrile, ug/L (CAS NO - 107-13-1)	5/19/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	5/19/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A
	12/9/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	12/9/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A
Benzene, ug/L (CAS NO - 71-43-2)	5/19/2025	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	5/19/2025	N/A	N/A	N/A	< 0.5	N/A	N/A	N/A
	12/9/2025	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/9/2025	N/A	N/A	N/A	< 0.5	N/A	N/A	N/A
Bromochloromethane, ug/L (CAS NO - 74-97-5)	5/19/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	5/19/2025	N/A	N/A	N/A	< 5	N/A	N/A	N/A
	12/9/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	12/9/2025	N/A	N/A	N/A	< 5	N/A	N/A	N/A
Bromodichloromethane, ug/L (CAS NO - 75-27-4)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
Bromoform, ug/L (CAS NO - 75-25-2)	5/19/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	5/19/2025	N/A	N/A	N/A	< 5	N/A	N/A	N/A
	12/9/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	12/9/2025	N/A	N/A	N/A	< 5	N/A	N/A	N/A
Bromomethane, ug/L (CAS NO - 74-83-9)	5/19/2025	< 4	< 4	< 4	< 4	< 4	< 4	< 4
	5/19/2025	N/A	N/A	N/A	< 4	N/A	N/A	N/A
	12/9/2025	< 4	< 4	< 4	< 4	< 4	< 4	< 4
	12/9/2025	N/A	N/A	N/A	< 4	N/A	N/A	N/A
Carbon Disulfide, ug/L (CAS NO - 75-15-0)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
Carbon Tetrachloride, ug/L (CAS NO - 56-23-5)	5/19/2025	< 2	< 2	< 2	< 2	< 2	< 2	< 2
	5/19/2025	N/A	N/A	N/A	< 2	N/A	N/A	N/A
	12/9/2025	< 2	< 2	< 2	< 2	< 2	< 2	< 2
	12/9/2025	N/A	N/A	N/A	< 2	N/A	N/A	N/A
Chlorobenzene, ug/L (CAS NO - 108-90-7)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
Chlorodibromomethane, ug/L (CAS NO - 124-48-1)	5/19/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	5/19/2025	N/A	N/A	N/A	< 5	N/A	N/A	N/A
	12/9/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	12/9/2025	N/A	N/A	N/A	< 5	N/A	N/A	N/A
Chloroethane, ug/L (CAS NO - 75-00-3)	5/19/2025	< 4	< 4	< 4	< 4	< 4	< 4	< 4
	5/19/2025	N/A	N/A	N/A	< 4	N/A	N/A	N/A
	12/9/2025	< 4	< 4	< 4	< 4	< 4	< 4	< 4
	12/9/2025	N/A	N/A	N/A	< 4	N/A	N/A	N/A
Chloroform, ug/L (CAS NO - 67-66-3)	5/19/2025	< 3	< 3	< 3	< 3	< 3	< 3	< 3
	5/19/2025	N/A	N/A	N/A	< 3	N/A	N/A	N/A
	12/9/2025	< 3	< 3	< 3	< 3	< 3	< 3	< 3
	12/9/2025	N/A	N/A	N/A	< 3	N/A	N/A	N/A
Chloromethane, ug/L (CAS NO - 74-87-3)	5/19/2025	< 3	< 3	< 3	< 3	< 3	< 3	< 3
	5/19/2025	N/A	N/A	N/A	< 3	N/A	N/A	N/A
	12/9/2025	< 3	< 3	< 3	< 3	< 3	< 3	< 3
	12/9/2025	N/A	N/A	N/A	< 3	N/A	N/A	N/A



Summary of Groundwater Chemistry
Montgomery County Sanitary Landfill (South) - 69-SDP-01-74P

	Sample Date	MW-23 UPG	MW-24 UPG	GU-1 DNG	MW-19R DNG	MW-22 DNG	MW-28 DNG	MW-29 DNG
Appendix I VOC Constituents								
cis-1,2-Dichloroethene, ug/L (CAS NO - 156-59-2)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
cis-1,3-Dichloropropene, ug/L (CAS NO - 10061-01-5)	5/19/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	5/19/2025	N/A	N/A	N/A	< 5	N/A	N/A	N/A
	12/9/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	12/9/2025	N/A	N/A	N/A	< 5	N/A	N/A	N/A
Ethylbenzene, ug/L (CAS NO - 100-41-4)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
Iodomethane, ug/L (CAS NO - 74-88-4)	5/19/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	5/19/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A
	12/9/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	12/9/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A
Methylene Bromide, ug/L (CAS NO - 74-95-3)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
Methylene Chloride, ug/L (CAS NO - 75-09-2)	5/19/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	5/19/2025	N/A	N/A	N/A	< 5	N/A	N/A	N/A
	12/9/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	12/9/2025	N/A	N/A	N/A	< 5	N/A	N/A	N/A
Styrene, ug/L (CAS NO - 100-42-5)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
Tetrachloroethene, ug/L (CAS NO - 127-18-4)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
Toluene, ug/L (CAS NO - 108-88-3)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
trans-1,2-Dichloroethene, ug/L (CAS NO - 156-60-5)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
trans-1,3-Dichloropropene, ug/L (CAS NO - 10061-02-6)	5/19/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	5/19/2025	N/A	N/A	N/A	< 5	N/A	N/A	N/A
	12/9/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	12/9/2025	N/A	N/A	N/A	< 5	N/A	N/A	N/A
trans-1,4-Dichloro-2-Butene, ug/L (CAS NO - 110-57-6)	5/19/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	5/19/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A
	12/9/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	12/9/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A
Trichloroethene, ug/L (CAS NO - 79-01-6)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
Trichlorofluoromethane, ug/L (CAS NO - 75-69-4)	5/19/2025	< 4	< 4	< 4	< 4	< 4	< 4	< 4
	5/19/2025	N/A	N/A	N/A	< 4	N/A	N/A	N/A
	12/9/2025	< 4	< 4	< 4	< 4	< 4	< 4	< 4
	12/9/2025	N/A	N/A	N/A	< 4	N/A	N/A	N/A
Vinyl Acetate, ug/L (CAS NO - 108-05-4)	5/19/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	5/19/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A
	12/9/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	12/9/2025	N/A	N/A	N/A	< 10	N/A	N/A	N/A



Summary of Groundwater Chemistry
Montgomery County Sanitary Landfill (South) - 69-SDP-01-74P

Appendix I VOC Constituents	Sample Date	MW-23 UPG	MW-24 UPG	GU-1 DNG	MW-19R DNG	MW-22 DNG	MW-28 DNG	MW-29 DNG
Vinyl Chloride, ug/L (CAS NO - 75-01-4)	5/19/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	5/19/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
	12/9/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1
	12/9/2025	N/A	N/A	N/A	< 1	N/A	N/A	N/A
Xylenes, total, ug/L (CAS NO - 1330-20-7)	5/19/2025	< 3	< 3	< 3	< 3	< 3	< 3	< 3
	5/19/2025	N/A	N/A	N/A	< 3	N/A	N/A	N/A
	12/9/2025	< 3	< 3	< 3	< 3	< 3	< 3	< 3
	12/9/2025	N/A	N/A	N/A	< 3	N/A	N/A	N/A

Note: * indicates 'J flag'. Detection is below the reporting limit, but greater than the MDL (Method Detection Limit). The concentration is estimated.

Denotes Detection.
Denotes Confirmed Outlier. Statistically Excluded.

Sampling performed over multiple dates is recorded on the first date sampled. Refer to field forms for exact sample date.



Appendix C-2

Summary of Groundwater Chemistry – North MSWLF Unit

SCS ENGINEERS

Summary of Groundwater Chemistry
Montgomery County Sanitary Landfill (North) - 69-SDP-01-74P

	Sample Date	MW-11 UPG	MW-12 UPG	MW-4 DNG	MW-5 DNG	MW-6 DNG	MW-7 DNG	MW-7R DNG	MW-8 DNG	MW-9 DNG	MW-14 DNG	MW-15 DNG	MW-16 DNG	MW-27 DNG	MW-30 DNG	MW-31 DNG	MW-32 DNG
Total Metals Constituents																	
Arsenic, mg/L (CAS NO - 7440-38-2)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.002	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.002	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	N/A	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.002	N/A	N/A
Barium, mg/L (CAS NO - 7440-39-3)	5/19/2025	N/A	N/A	N/A	N/A	N/A	2.22	1.35	N/A	N/A	N/A	N/A	N/A	N/A	0.334	0.319	0.24
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	1.36	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	0.196	0.207	0.2	0.164	0.177	2.09	1.22	0.119	0.171	0.808	0.107	0.665	0.278	N/A	0.293	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.282	N/A	N/A	N/A
Cadmium, mg/L (CAS NO - 7440-43-9)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0002	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0002	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	< 0.0002	< 0.0002	< 0.0002	0.000205	< 0.0002	N/A	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0002	N/A	N/A	N/A
Cobalt, mg/L (CAS NO - 7440-48-4)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	0.00205	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	0.00221	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	N/A	0.00106	0.00121	< 0.0005	< 0.0005	0.000583	< 0.0005	< 0.0005	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0005	N/A	N/A	N/A
Copper, mg/L (CAS NO - 7440-50-8)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	N/A	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A
Lead, mg/L (CAS NO - 7439-92-1)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0005	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0005	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	N/A	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0005	N/A	N/A	N/A
Mercury, mg/L (CAS NO - 7439-97-6)	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0002	N/A	N/A	N/A
Nickel, mg/L (CAS NO - 7440-02-0)	5/19/2025	N/A	N/A	N/A	N/A	N/A	0.154	0.128	N/A	N/A	N/A	N/A	N/A	N/A	0.019	0.0278	0.00782
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	0.128	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	< 0.005	< 0.005	< 0.005	0.00748	< 0.005	0.145	0.118	< 0.005	< 0.005	< 0.005	< 0.005	0.00616	< 0.005	N/A	0.0218	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A
Selenium, mg/L (CAS NO - 7782-49-2)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	N/A	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.005	N/A	N/A	N/A
Zinc, mg/L (CAS NO - 7440-66-6)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.02	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.02	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	0.0698	< 0.02	< 0.02	< 0.02	< 0.02	N/A	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.02	N/A	N/A	N/A
Total Suspended Solids, mg/L (CAS NO - TSS)	5/19/2025	N/A	N/A	N/A	N/A	N/A	< 1.9	4.7	N/A	N/A	N/A	N/A	N/A	N/A	24.3	< 1.9	3.8
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	2.3	2	2.5	< 1.9	< 1.9	< 1.9	< 1.9	38	N/A	< 1.9	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	38.3	N/A	N/A	N/A

Note: * indicates 'J flag'. Detection is below the reporting limit, but greater than the MDL (Method Detection Limit). The concentration is estimated.

Denotes Detection.
Denotes Confirmed Outlier. Statistically Excluded.

Sampling performed over multiple dates is recorded on the first date sampled. Refer to field forms for exact sample date.

Summary of Groundwater Chemistry

Montgomery County Sanitary Landfill (North) - 69-SDP-01-74P

	Sample Date	MW-11 UPG	MW-12 UPG	MW-4 DNG	MW-5 DNG	MW-6 DNG	MW-7 DNG	MW-7R DNG	MW-8 DNG	MW-9 DNG	MW-14 DNG	MW-15 DNG	MW-16 DNG	MW-27 DNG	MW-30 DNG	MW-31 DNG	MW-32 DNG
Appendix I VOC Constituents																	
1,1,1,2-Tetrachloroethane, ug/L (CAS NO - 630-20-6)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,1,1-Trichloroethane, ug/L (CAS NO - 71-55-6)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,1,2,2-Tetrachloroethane, ug/L (CAS NO - 79-34-5)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A	N/A
1,1,2-Trichloroethane, ug/L (CAS NO - 79-00-5)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,1-Dichloroethane, ug/L (CAS NO - 75-34-3)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	1.33	N/A	N/A	N/A	< 1	2.87	< 1	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,1-Dichloroethene, ug/L (CAS NO - 75-35-4)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 2	N/A	N/A	< 2	N/A	N/A	N/A	< 2	< 2	< 2	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 2	< 2	< 2	N/A	N/A	N/A
1,2,3-Trichloropropane, ug/L (CAS NO - 96-18-4)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,2-Dibromo-3-Chloropropane, ug/L (CAS NO - 96-12-8)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1.2	N/A	N/A	< 1.2	N/A	N/A	N/A	< 1.2	< 1.2	< 1.2	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1.2	N/A	N/A	N/A
1,2-Dibromoethane [EDB], ug/L (CAS NO - 106-93-4)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.34	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.34	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 0.34	N/A	N/A	< 0.34	N/A	N/A	N/A	< 0.34	< 0.34	< 0.34	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.34	N/A	N/A	N/A
1,2-Dichlorobenzene, ug/L (CAS NO - 95-50-1)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,2-Dichloroethane, ug/L (CAS NO - 107-06-2)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,2-Dichloropropane, ug/L (CAS NO - 78-87-5)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A
1,4-Dichlorobenzene, ug/L (CAS NO - 106-46-7)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	< 1	2.55	< 1	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A
2-Butanone, ug/L (CAS NO - 78-93-3)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 10	N/A	N/A	< 10	N/A	N/A	N/A	< 10	< 10	< 10	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 10	< 10	< 10	N/A	N/A	N/A
2-Hexanone, ug/L (CAS NO - 591-78-6)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 10	N/A	N/A	< 10	N/A	N/A	N/A	< 10	< 10	< 10	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A
4-Methyl-2-Pentanone, ug/L (CAS NO - 108-10-1)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 10	N/A	N/A	< 10	N/A	N/A	N/A	< 10	< 10	< 10	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A
Acetone, ug/L (CAS NO - 67-64-1)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 10	N/A	N/A	< 10	N/A	N/A	N/A	< 10	< 10	< 10	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A
Acrylonitrile, ug/L (CAS NO - 107-13-1)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 10	N/A	N/A	< 10	N/A	N/A	N/A	< 10	< 10	< 10	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A
Benzene, ug/L (CAS NO - 71-43-2)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 0.5	N/A	N/A	< 0.5	N/A	N/A	N/A	< 0.5	< 0.5	< 0.5	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.5	< 0.5	< 0.5	N/A	N/A	N/A
Bromochloromethane, ug/L (CAS NO - 74-97-5)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 5	N/A	N/A	< 5	N/A	N/A	N/A	< 5	< 5	< 5	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A	N/A
Bromodichloromethane, ug/L (CAS NO - 75-27-4)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A
Bromoform, ug/L (CAS NO - 75-25-2)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 5	N/A	N/A	< 5	N/A	N/A	N/A	< 5	< 5	< 5	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A	N/A
Bromomethane, ug/L (CAS NO - 74-83-9)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 4	N/A	N/A	< 4	N/A	N/A	N/A	< 4	< 4	< 4	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 4	N/A	N/A	N/A
Carbon Disulfide, ug/L (CAS NO - 75-15-0)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A													

SCS ENGINEERS

Summary of Groundwater Chemistry
Montgomery County Sanitary Landfill (North) - 69-SDP-01-74P

	Sample Date	MW-11 UPG	MW-12 UPG	MW-4 DNG	MW-5 DNG	MW-6 DNG	MW-7 DNG	MW-7R DNG	MW-8 DNG	MW-9 DNG	MW-14 DNG	MW-15 DNG	MW-16 DNG	MW-27 DNG	MW-30 DNG	MW-31 DNG	MW-32 DNG
Appendix I VOC Constituents																	
Chlorodibromomethane, ug/L (CAS NO - 124-48-1)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 5	N/A	N/A	< 5	N/A	N/A	N/A	N/A	< 5	< 5	< 5	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A
Chloroethane, ug/L (CAS NO - 75-00-3)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 4	N/A	N/A	< 4	N/A	N/A	N/A	N/A	< 4	< 4	< 4	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 4	N/A	N/A
Chloroform, ug/L (CAS NO - 67-66-3)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 3	N/A	N/A	< 3	N/A	N/A	N/A	N/A	< 3	< 3	< 3	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 3	N/A	N/A	N/A
Chloromethane, ug/L (CAS NO - 74-87-3)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 3	N/A	N/A	< 3	N/A	N/A	N/A	N/A	< 3	< 3	< 3	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 3	N/A	N/A	N/A
cis-1,2-Dichloroethene, ug/L (CAS NO - 156-59-2)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A
cis-1,3-Dichloropropene, ug/L (CAS NO - 10061-01-5)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 5	N/A	N/A	< 5	N/A	N/A	N/A	N/A	< 5	< 5	< 5	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A	N/A
Ethylbenzene, ug/L (CAS NO - 100-41-4)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A
Iodomethane, ug/L (CAS NO - 74-88-4)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 10	N/A	N/A	< 10	N/A	N/A	N/A	N/A	< 10	< 10	< 10	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A
Methylene Bromide, ug/L (CAS NO - 74-95-3)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A
Methylene Chloride, ug/L (CAS NO - 75-09-2)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 5	N/A	N/A	< 5	N/A	N/A	N/A	N/A	< 5	< 5	< 5	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A
Styrene, ug/L (CAS NO - 100-42-5)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A
Tetrachloroethene, ug/L (CAS NO - 127-18-4)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A
Toluene, ug/L (CAS NO - 108-88-3)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A
trans-1,2-Dichloroethene, ug/L (CAS NO - 156-60-5)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A
trans-1,3-Dichloropropene, ug/L (CAS NO - 10061-02-6)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 5	N/A	N/A	< 5	N/A	N/A	N/A	N/A	< 5	< 5	< 5	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	N/A
trans-1,4-Dichloro-2-Butene, ug/L (CAS NO - 110-57-6)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 10	N/A	N/A	< 10	N/A	N/A	N/A	N/A	< 10	< 10	< 10	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A
Trichloroethene, ug/L (CAS NO - 79-01-6)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A
Trichlorofluoromethane, ug/L (CAS NO - 75-69-4)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 4	N/A	N/A	< 4	N/A	N/A	N/A	N/A	< 4	< 4	< 4	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 4	N/A	N/A
Vinyl Acetate, ug/L (CAS NO - 108-05-4)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 10	N/A	N/A	< 10	N/A	N/A	N/A	N/A	< 10	< 10	< 10	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A
Vinyl Chloride, ug/L (CAS NO - 75-01-4)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 1	N/A	N/A	< 1	N/A	N/A	N/A	N/A	< 1	< 1	< 1	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	N/A	N/A
Xylenes, total, ug/L (CAS NO - 1330-20-7)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	< 3	N/A	N/A	< 3	N/A	N/A	N/A	N/A	< 3	< 3	< 3	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 3	N/A	N/A

Note: * indicates 'J flag'. Detection is below the reporting limit, but greater than the MDL (Method Detection Limit). The concentration is estimated.

Denotes Detection.

Denotes Confirmed Outlier. Statistically Excluded.

Sampling performed over multiple dates is recorded on the first date sampled. Refer to field forms for exact sample date.

SCS ENGINEERS

Summary of Groundwater Chemistry
Montgomery County Sanitary Landfill (North) - 69-SDP-01-74P

	Sample Date	MW-11 UPG	MW-12 UPG	MW-4 DNG	MW-5 DNG	MW-6 DNG	MW-7 DNG	MW-7R DNG	MW-8 DNG	MW-9 DNG	MW-14 DNG	MW-15 DNG	MW-16 DNG	MW-27 DNG	MW-30 DNG	MW-31 DNG	MW-32 DNG
Other Constituents																	
Alpha-BHC, ug/L (CAS NO - 319-84-6)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0897	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0946	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Beta-BHC, ug/L (CAS NO - 319-85-7)	5/19/2025	N/A	N/A	N/A	N/A	N/A	< 0.0904	< 0.0897	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0897	< 0.09	< 0.0907
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	< 0.0951	< 0.0946	N/A	N/A	N/A	N/A	< 0.0964	N/A	N/A	< 0.0936	N/A
Gamma-BHC [Lindane], ug/L (CAS NO - 58-89-9)	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0946	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Endosulfan I, ug/L (CAS NO - 959-98-8)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0897	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0946	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Endrin, ug/L (CAS NO - 72-20-8)	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0897	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sulfide, mg/L (CAS NO - 18496-25-8)	11/24/2025	< 1	< 1	N/A	< 1	N/A	N/A	N/A	< 1	N/A	< 1	N/A	< 1	N/A	N/A	N/A	N/A
Chemical Oxygen Demand, mg/L (CAS NO - COD)	5/19/2025	N/A	N/A	N/A	N/A	N/A	44.7	29.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 25	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	29.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	38.9	61.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 25	N/A
Iron, Total, mg/L (CAS NO - 7439-89-6)	5/19/2025	N/A	N/A	N/A	N/A	N/A	0.269	< 0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.103	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	0.794	< 0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.1	N/A
Manganese, mg/L (CAS NO - 7439-96-5)	5/19/2025	N/A	N/A	N/A	N/A	N/A	3.92	2.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.99	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	2.53	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	4.29	2.31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.74	N/A
Sulfate, mg/L (CAS NO - 14808-79-8)	5/19/2025	N/A	N/A	N/A	N/A	N/A	10.9	20.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.4	N/A
	5/19/2025	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/2025	N/A	N/A	N/A	N/A	N/A	7.21	16.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	N/A

Note: * indicates 'J flag'. Detection is below the reporting limit, but greater than the MDL (Method Detection Limit). The concentration is estimated.

Denotes Detection.
Denotes Confirmed Outlier. Statistically Excluded.

Sampling performed over multiple dates is recorded on the first date sampled. Refer to field forms for exact sample date.



Appendix D

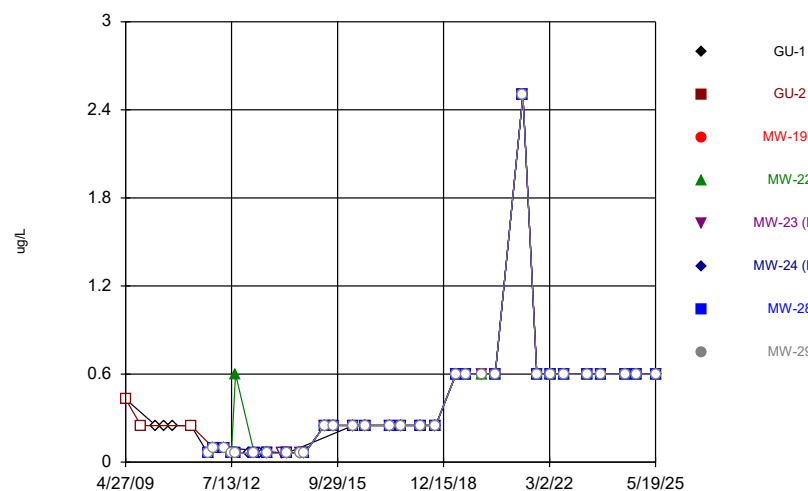
Statistical Output

Attachment A

1st 2025 Semi-Annual Statistical Output

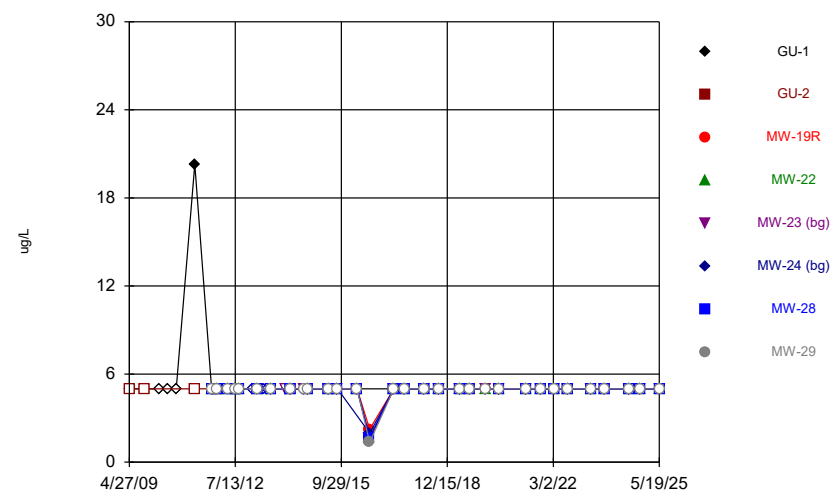
Time Series Plots

Time Series



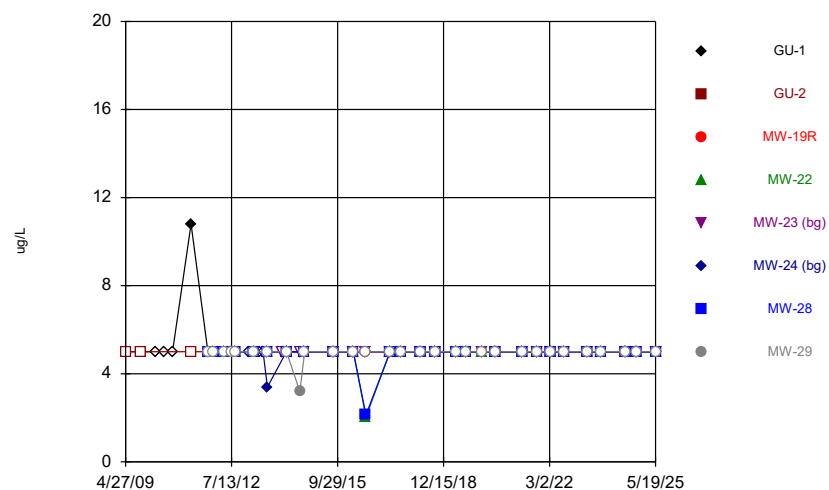
Constituent: 1,2-Dibromo-3-chloropropane Analysis Run 10/1/2025 4:06 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



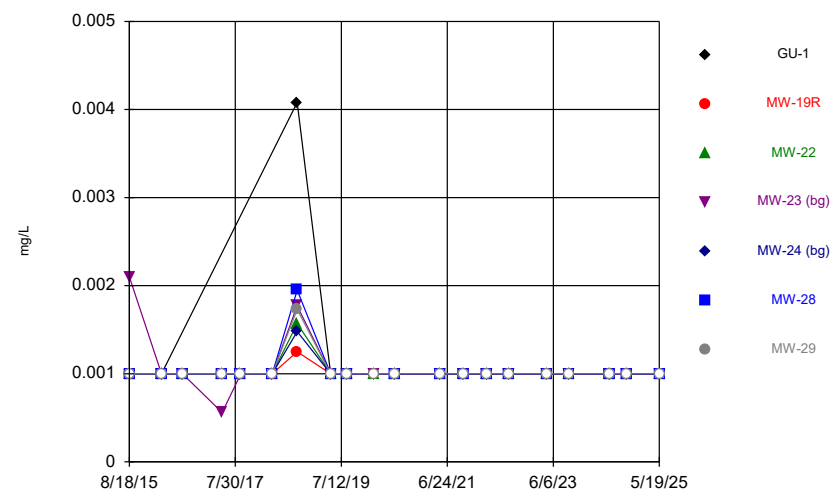
Constituent: 2-Butanone Analysis Run 10/1/2025 4:06 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



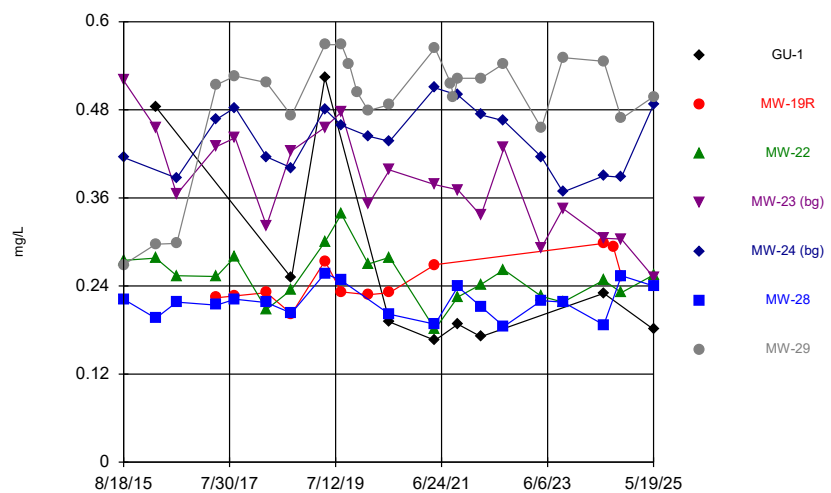
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Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



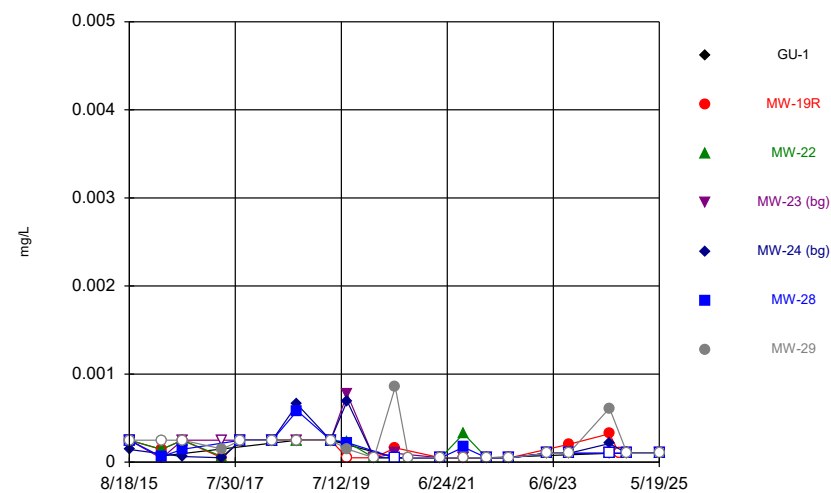
Constituent: Arsenic Analysis Run 10/1/2025 4:06 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



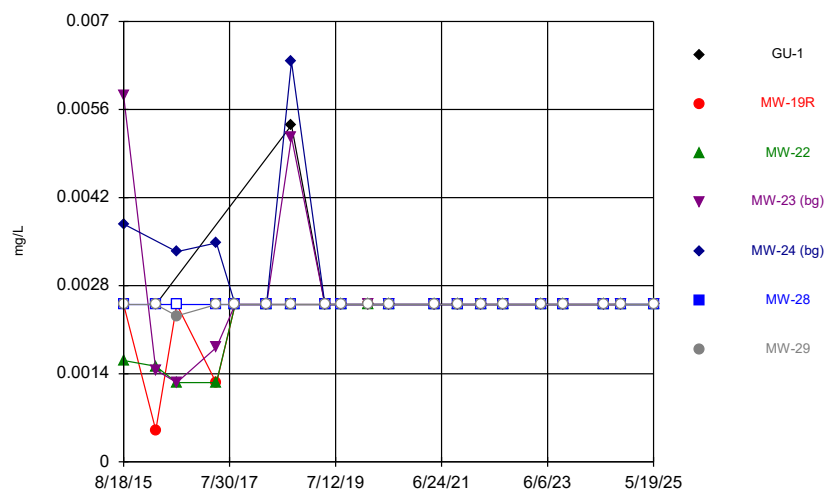
Constituent: Barium Analysis Run 10/1/2025 4:06 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



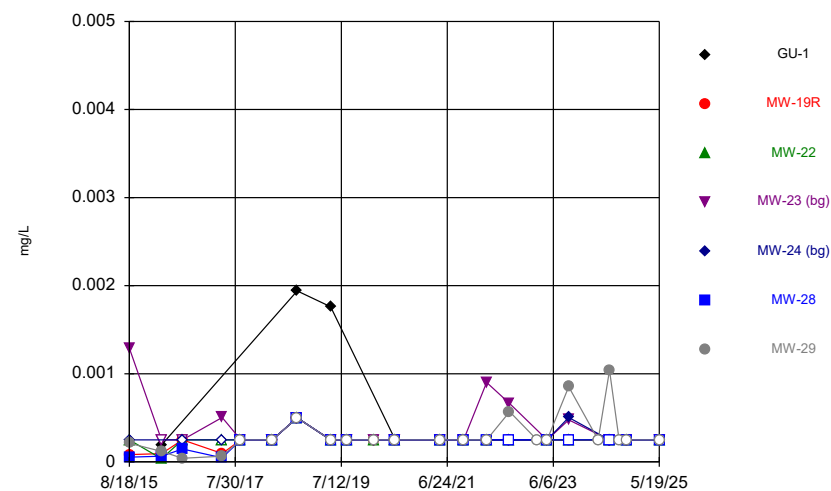
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Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



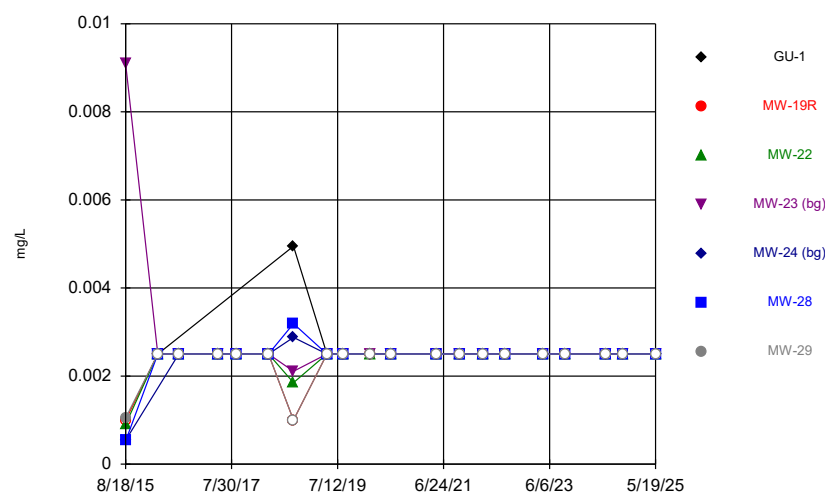
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Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series

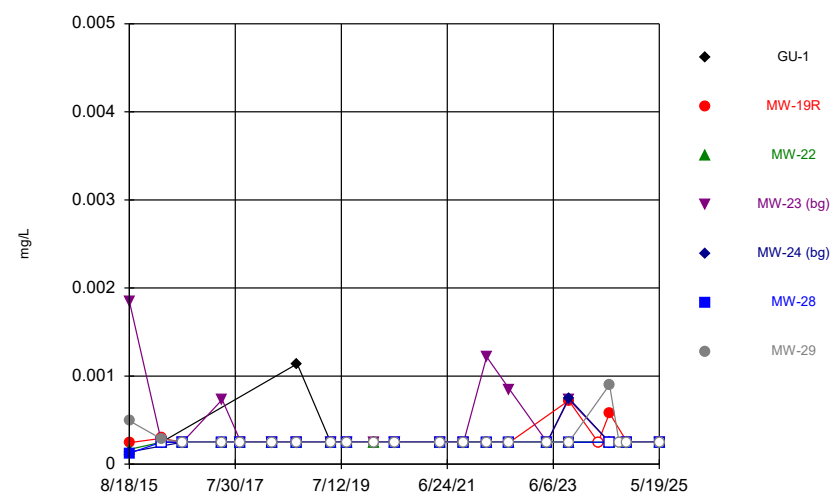


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Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

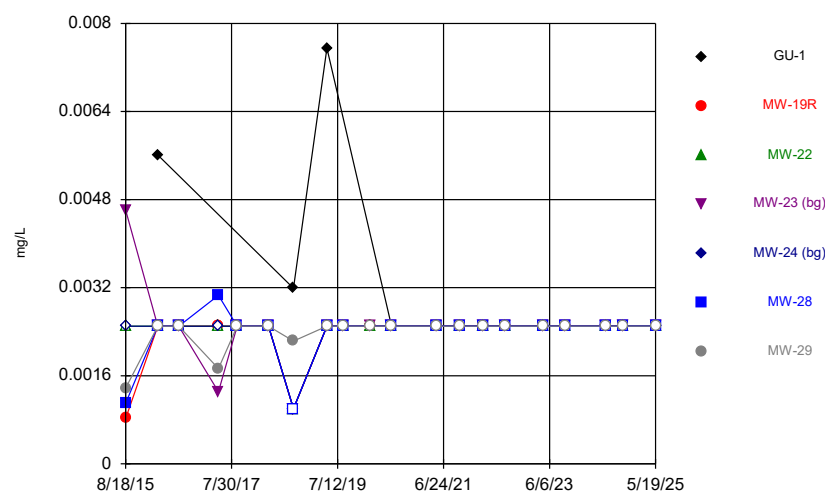
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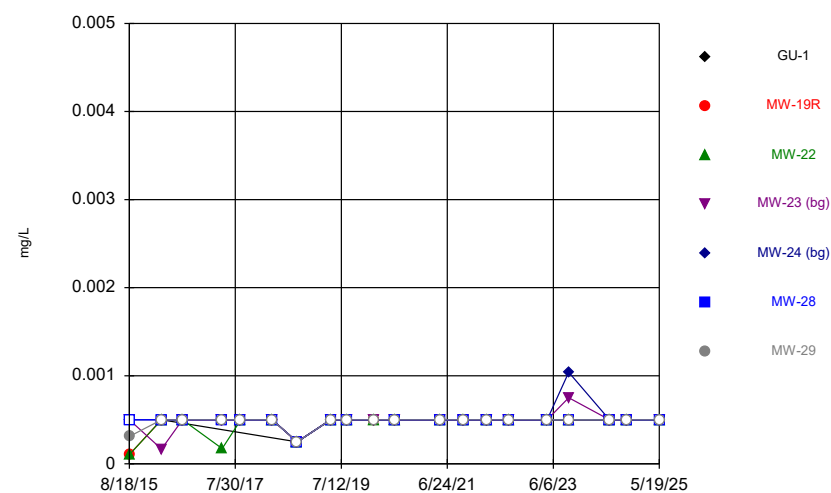
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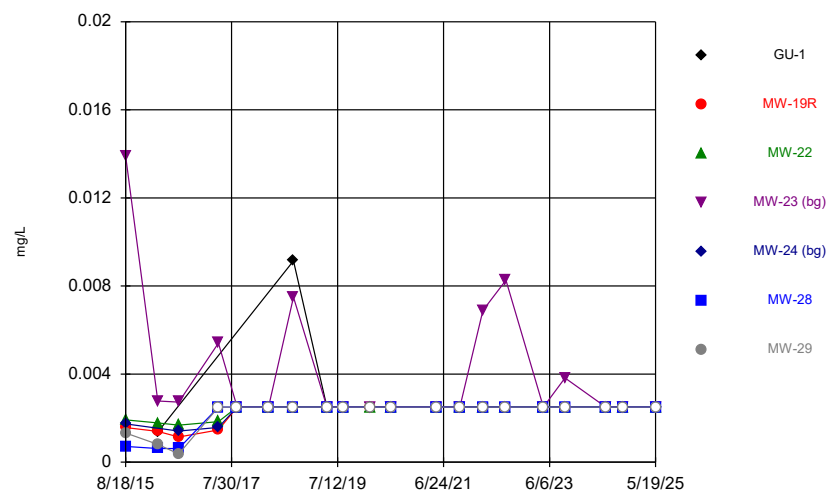
Time Series



Time Series

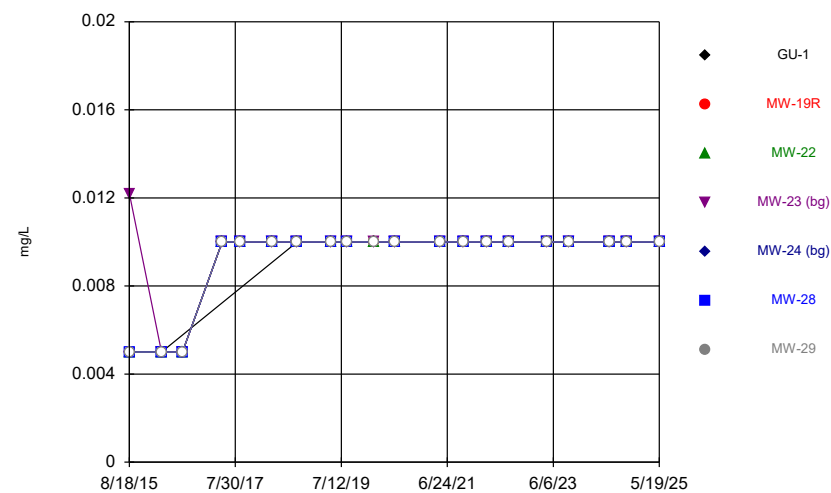


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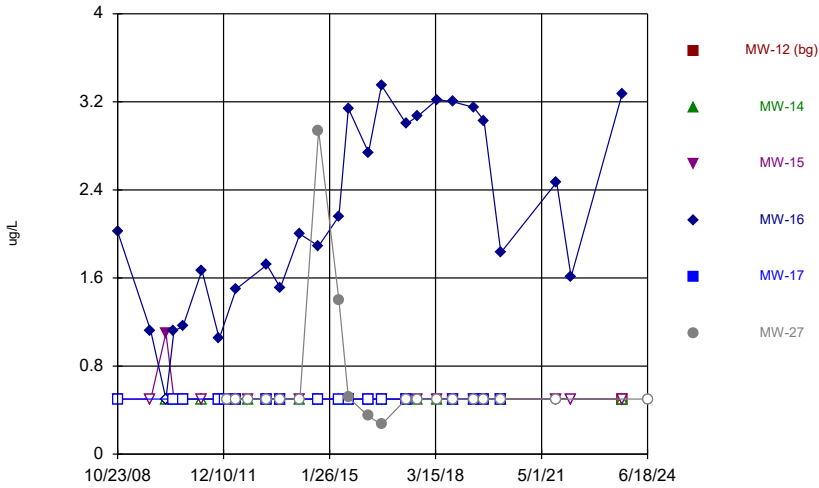
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Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



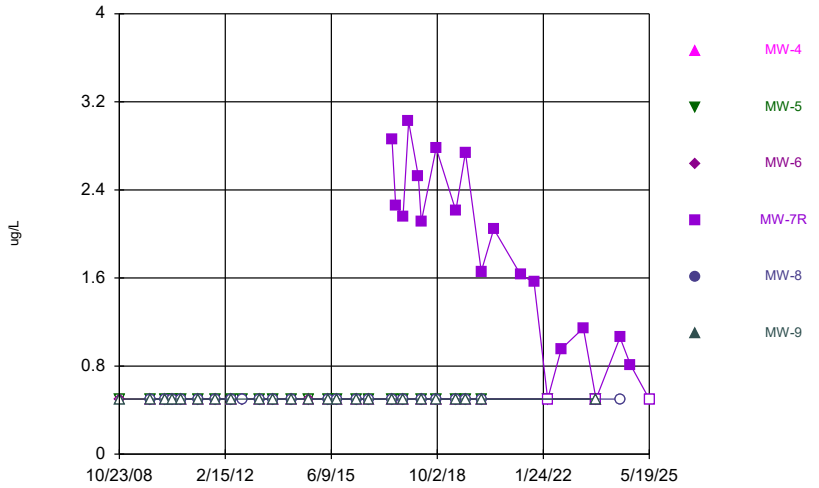
Constituent: Zinc Analysis Run 10/1/2025 4:07 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



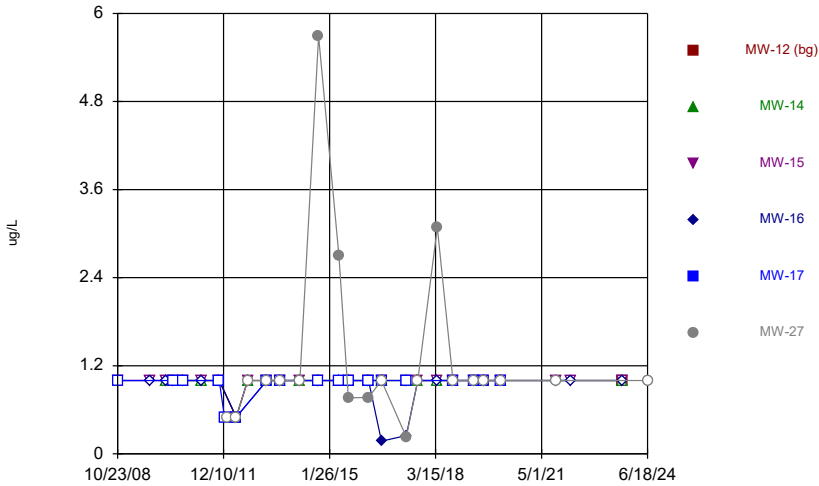
Constituent: 1,1-Dichloroethane Analysis Run 9/17/2025 2:08 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



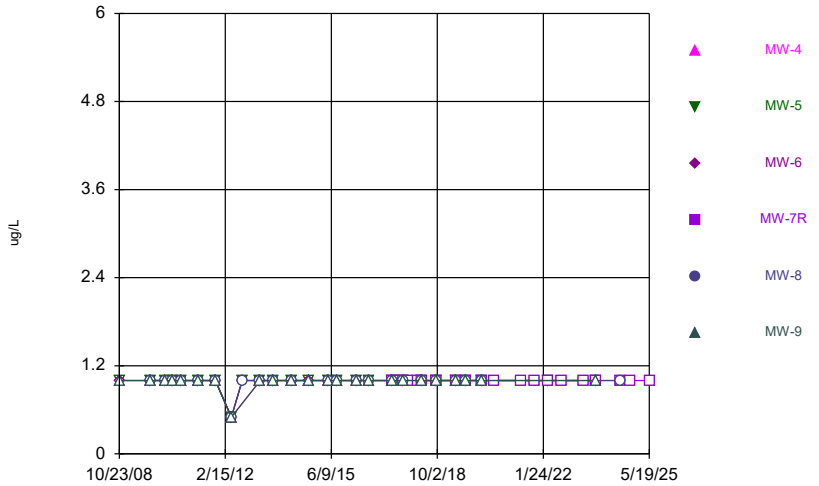
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



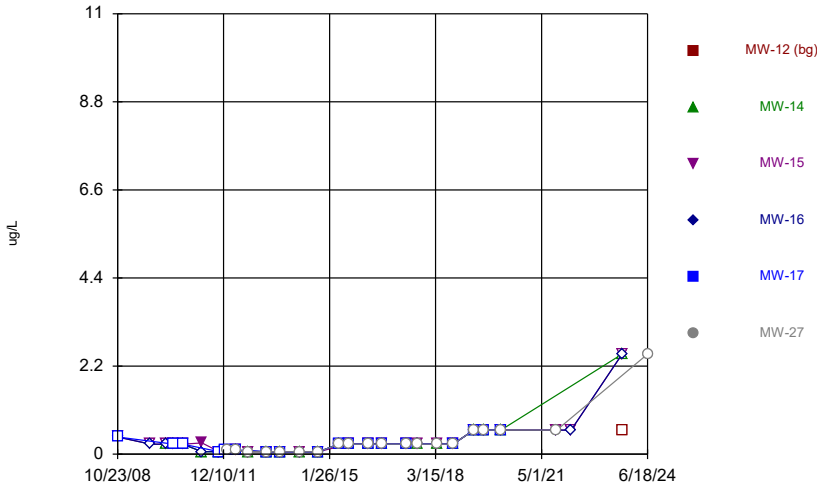
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



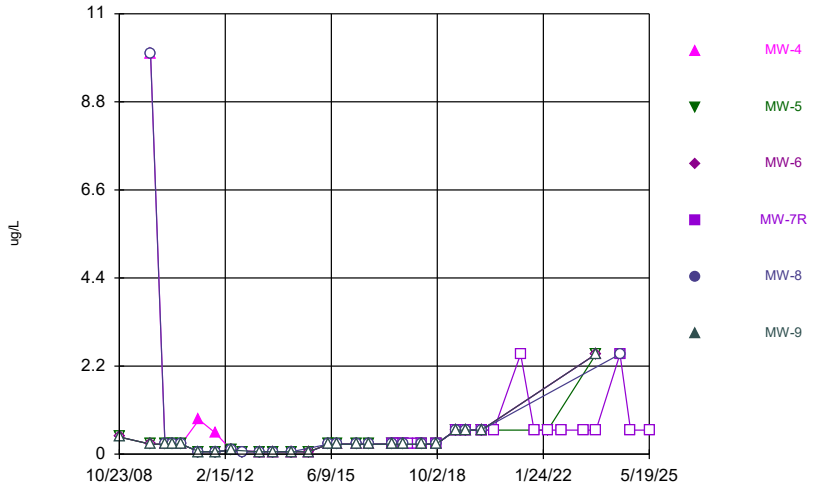
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



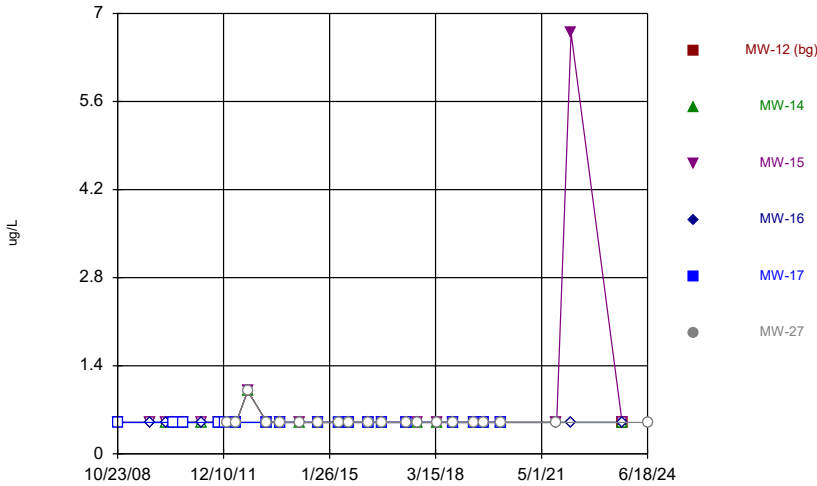
Constituent: 1,2-Dibromo-3-chloropropane Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Serie
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



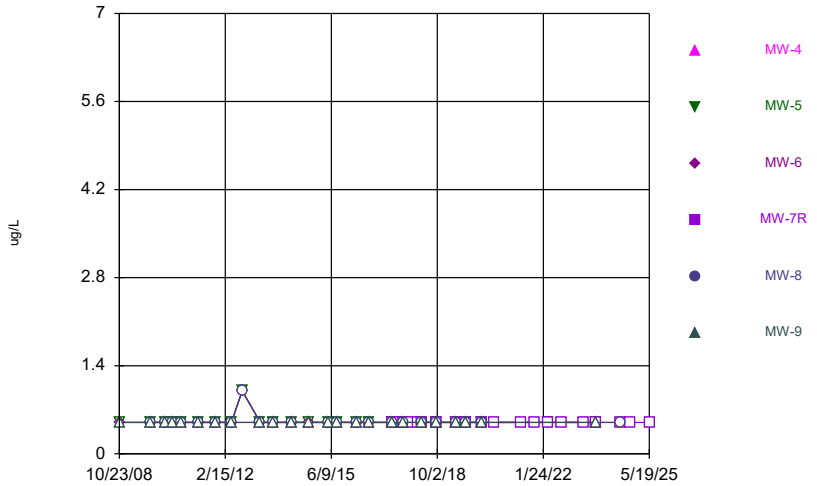
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



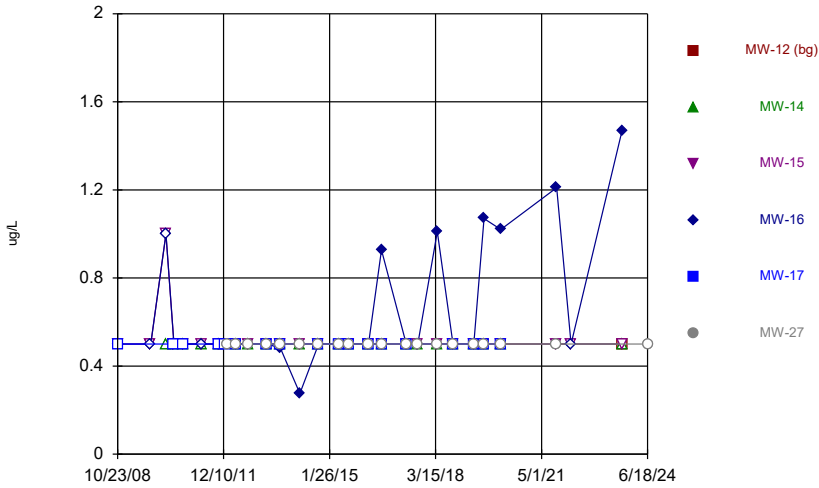
Constituent: 1,2-Dichloroethane Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Serie
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Time Series



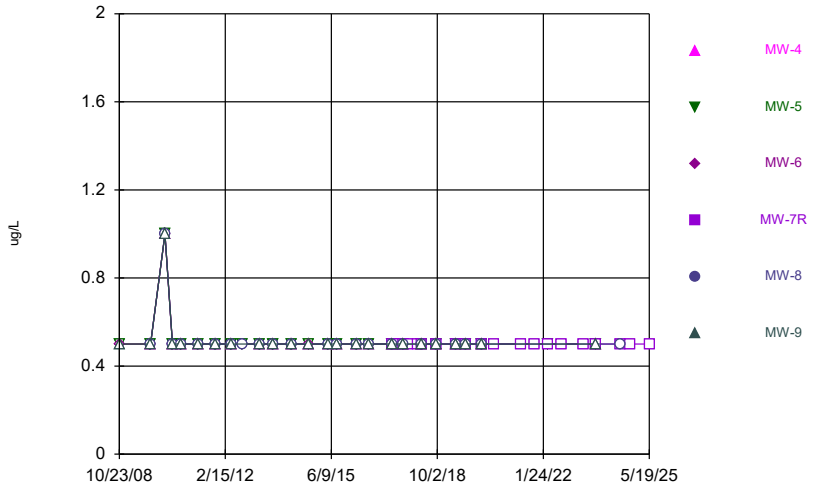
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



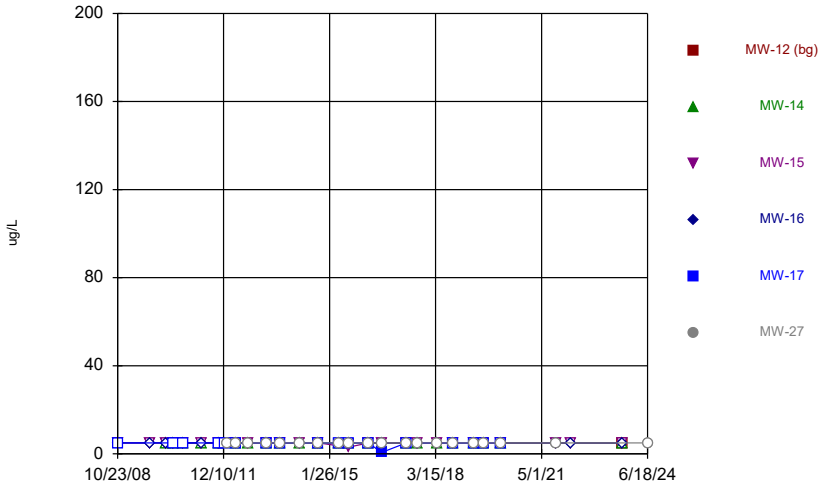
Constituent: 1,4-Dichlorobenzene Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



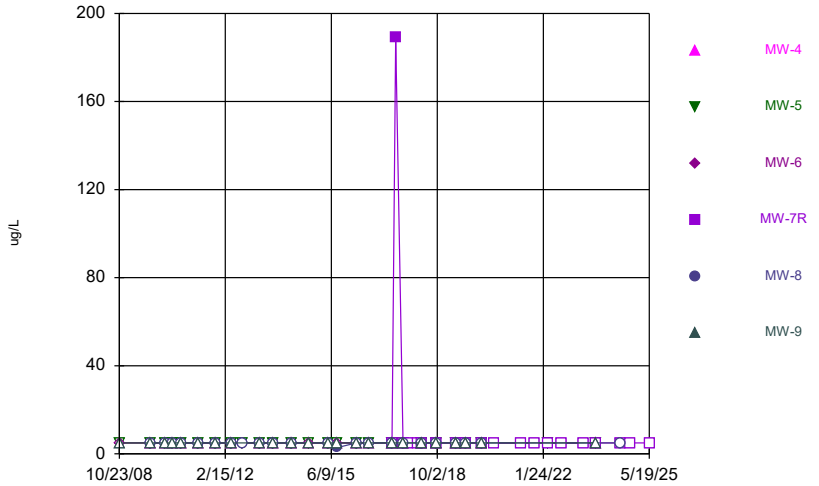
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



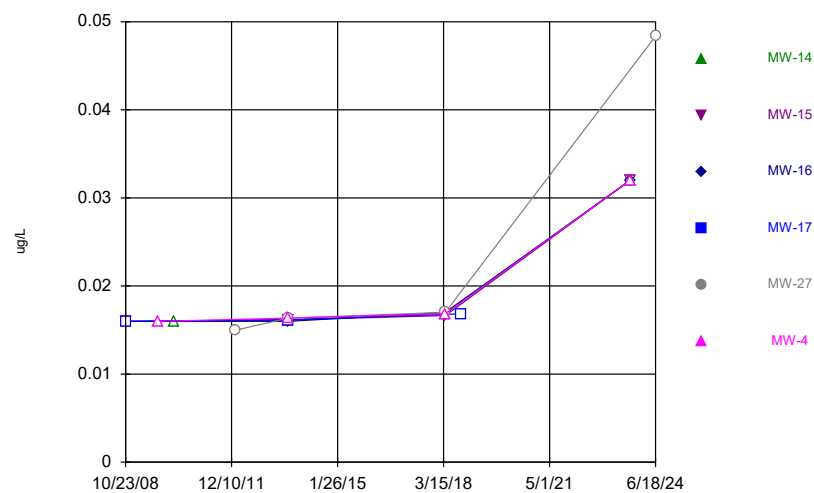
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



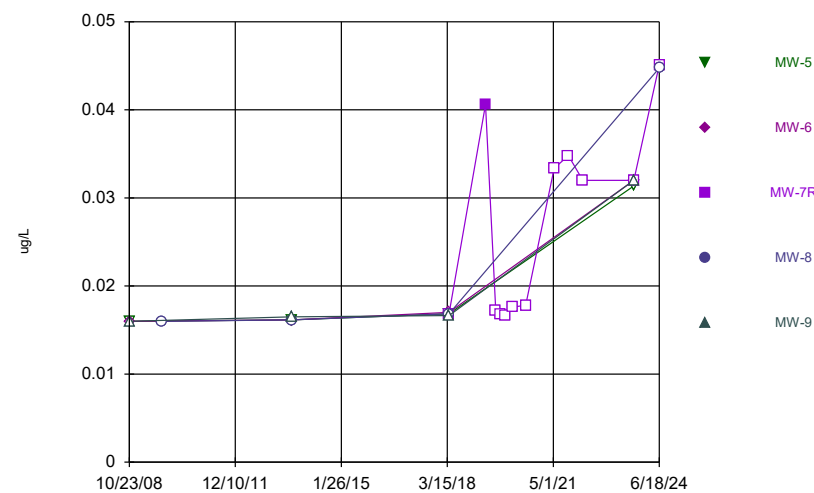
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



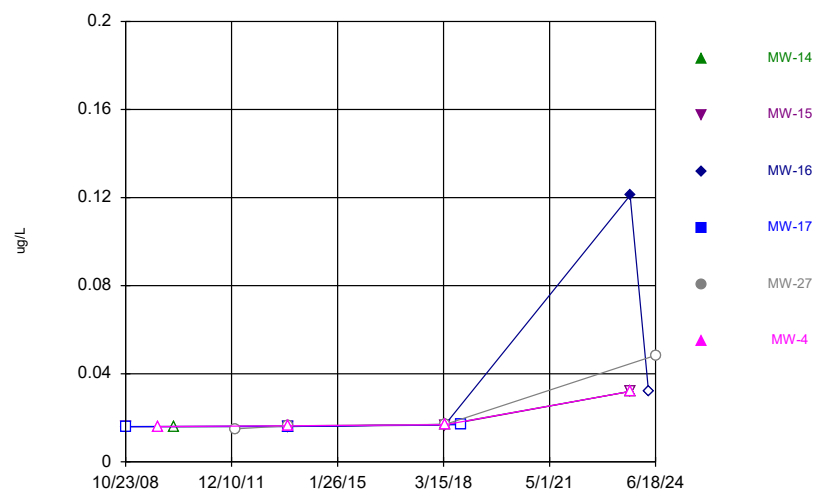
Constituent: 4,4'-DDD Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



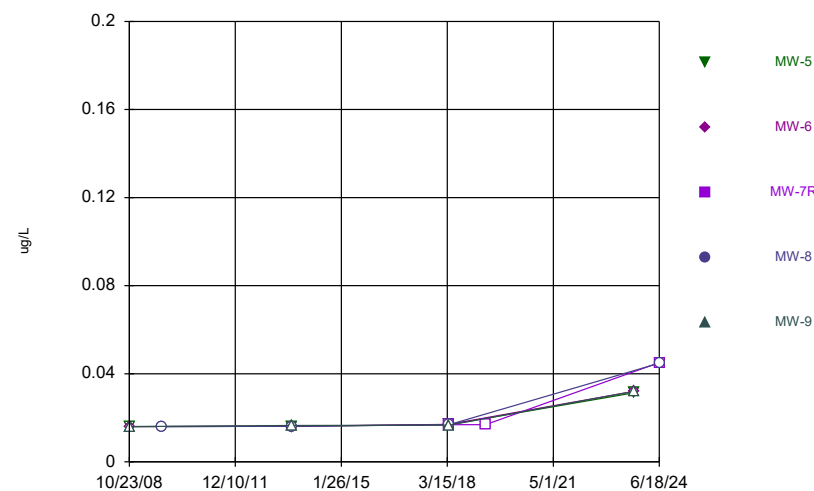
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



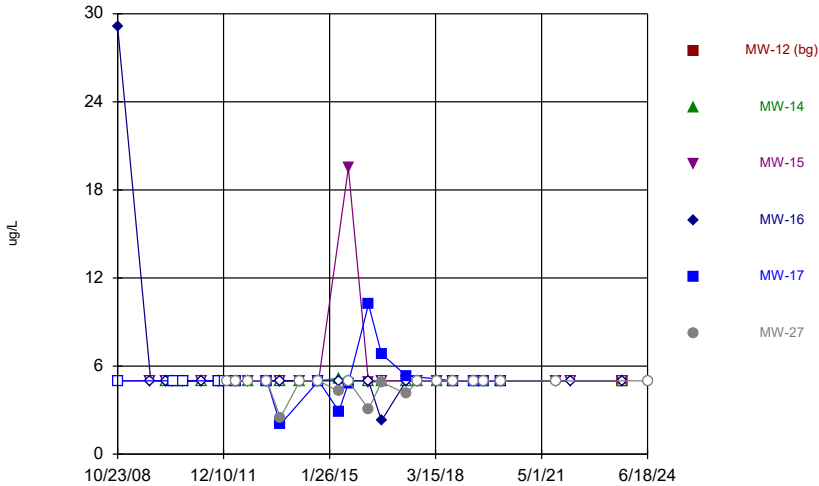
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



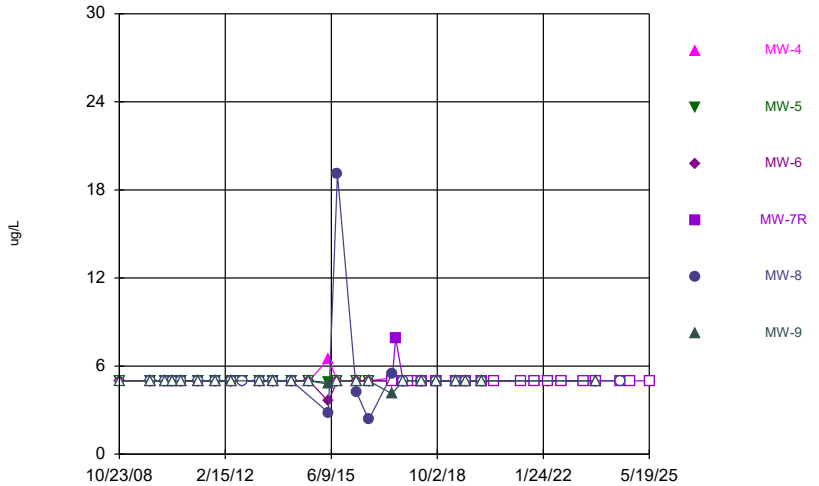
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



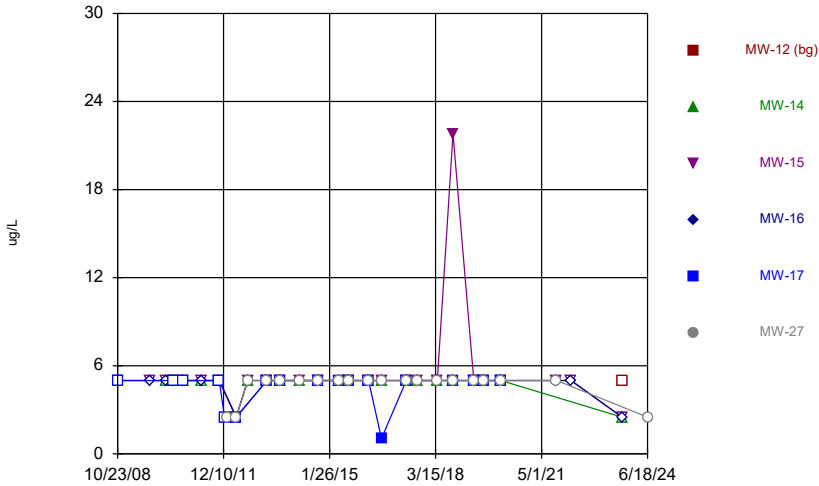
Constituent: Acetone Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



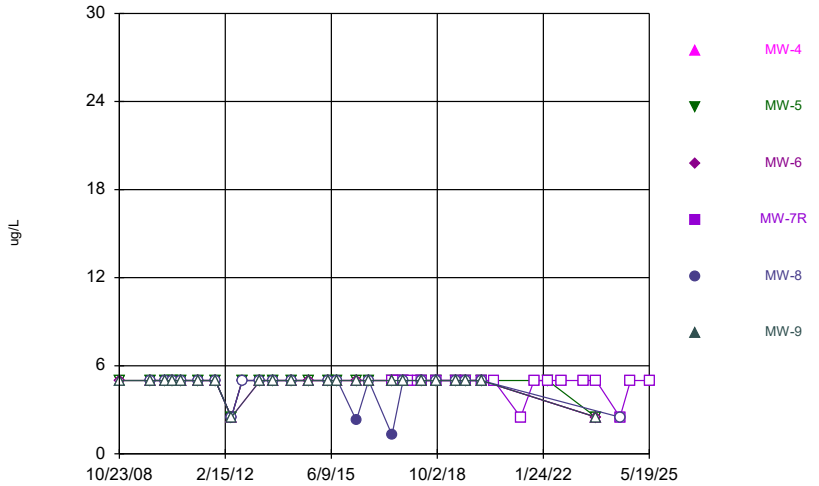
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



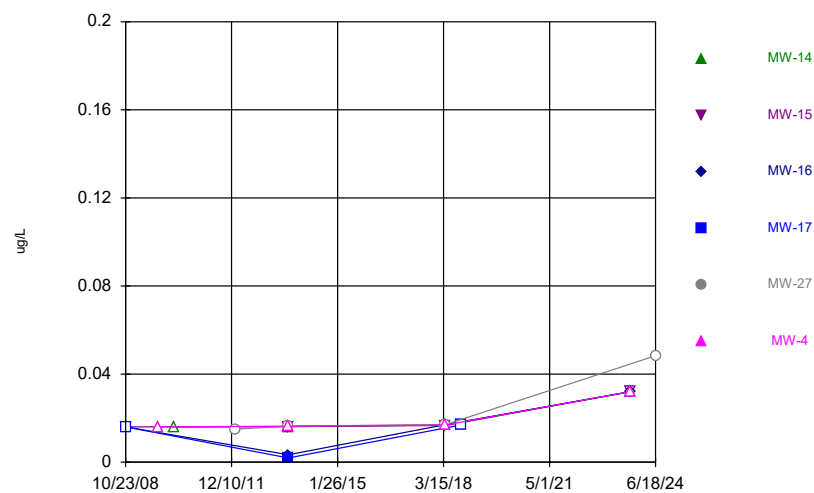
Constituent: Acrylonitrile Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



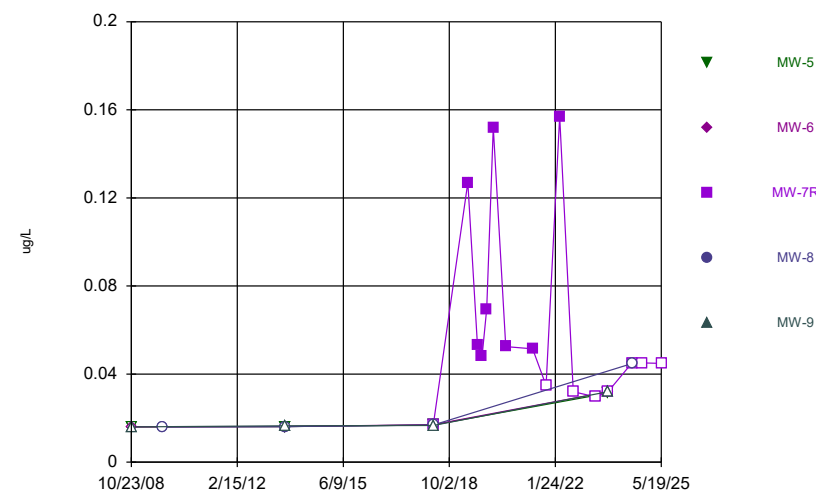
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



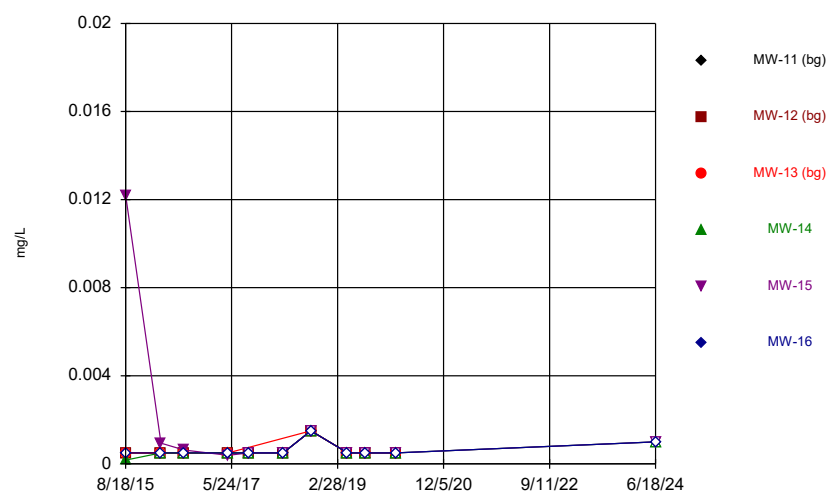
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



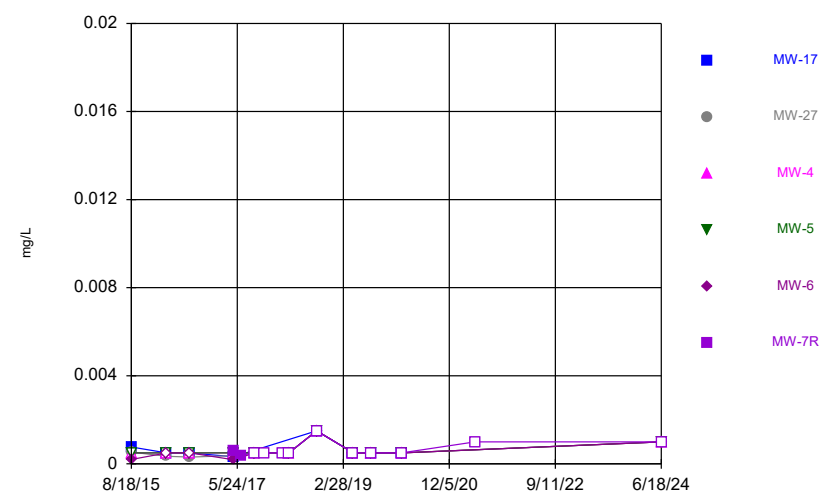
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



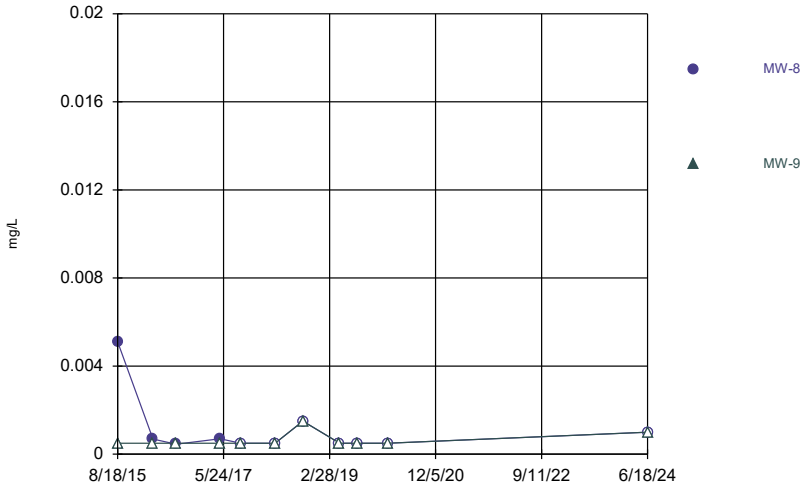
Constituent: Antimony Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



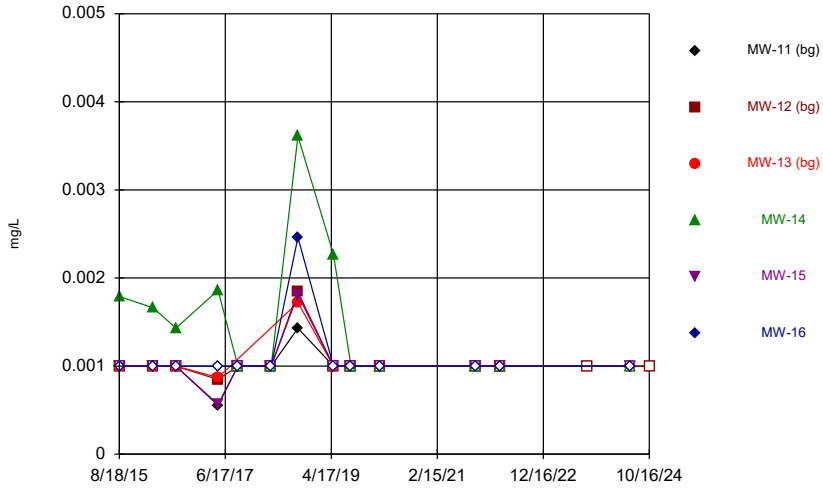
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



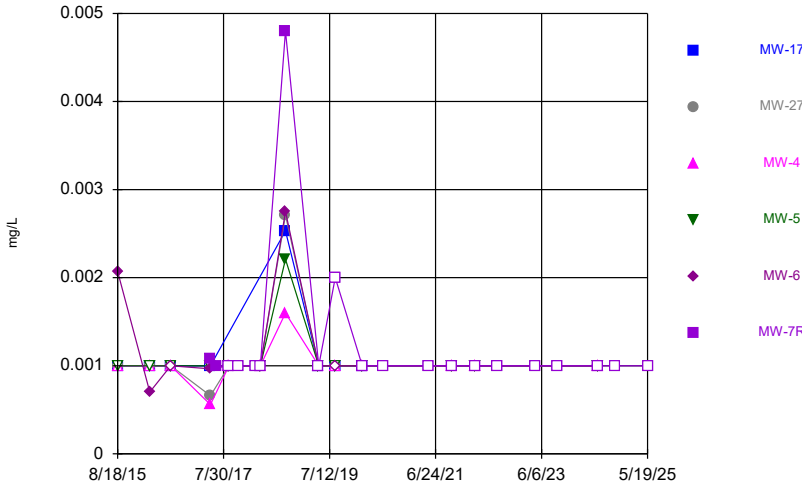
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



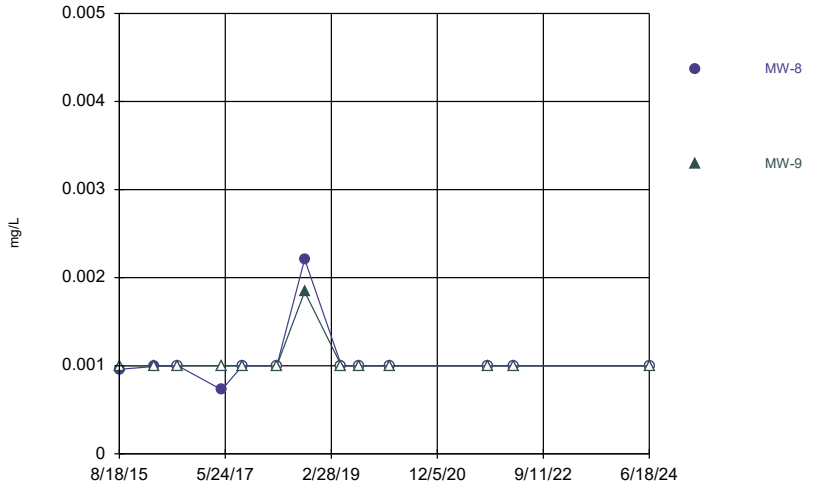
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



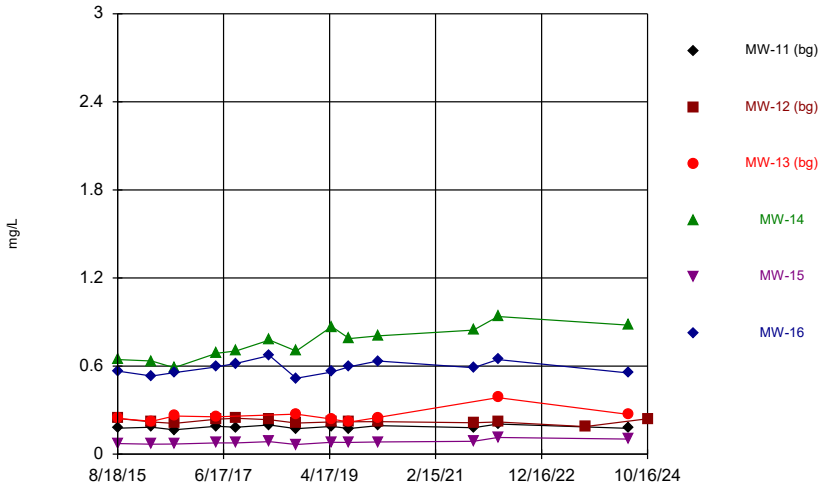
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



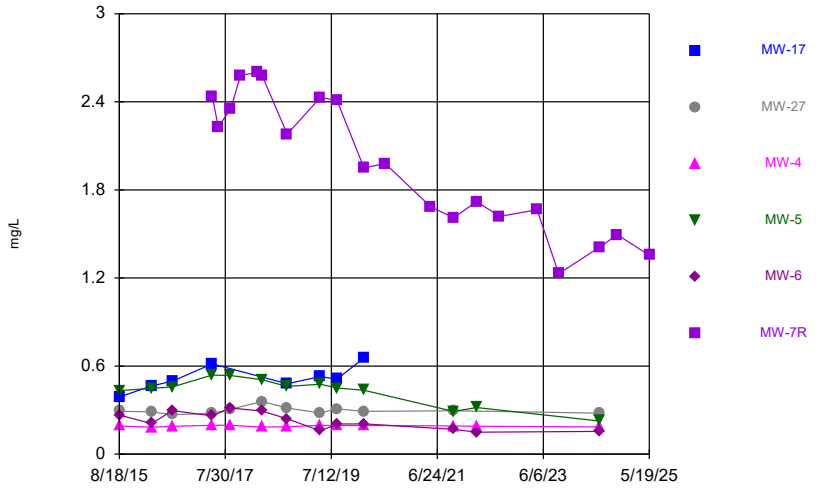
Constituent: Arsenic Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



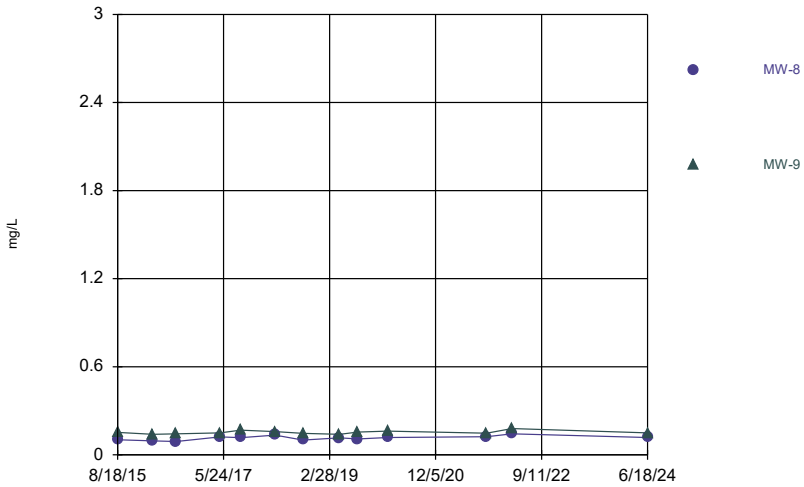
Constituent: Barium Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



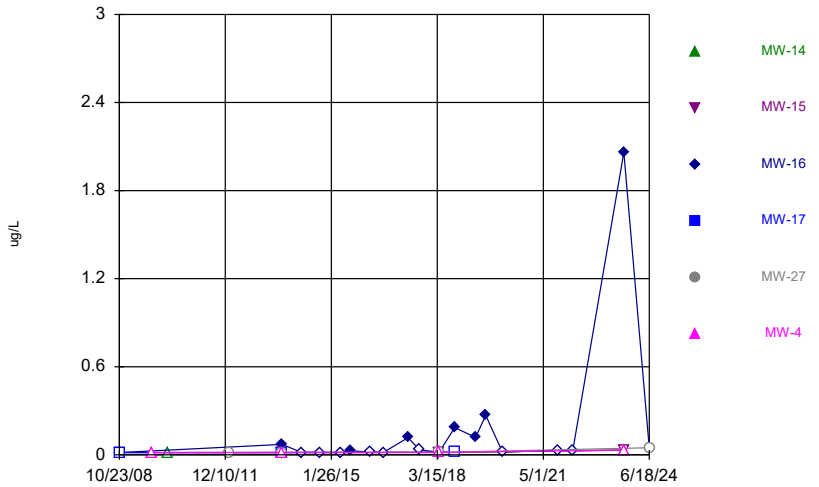
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



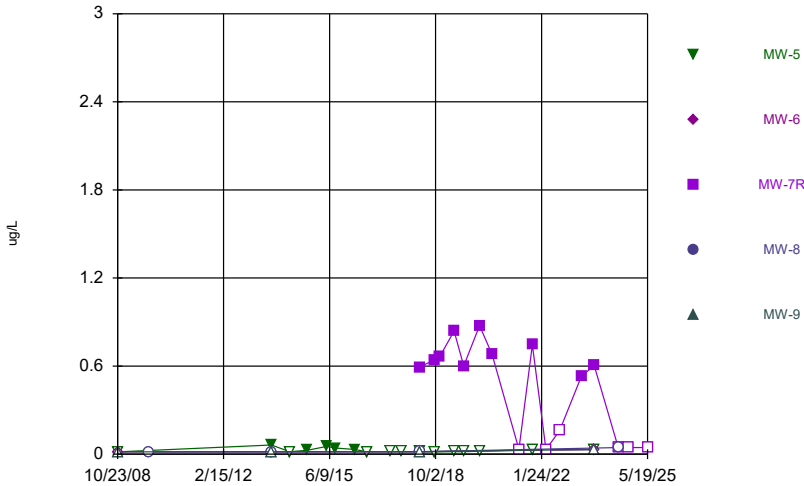
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



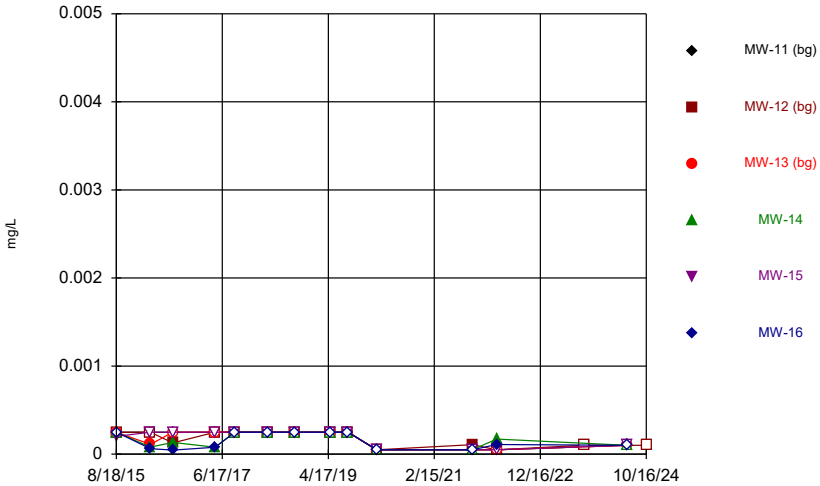
Constituent: beta-BHC Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



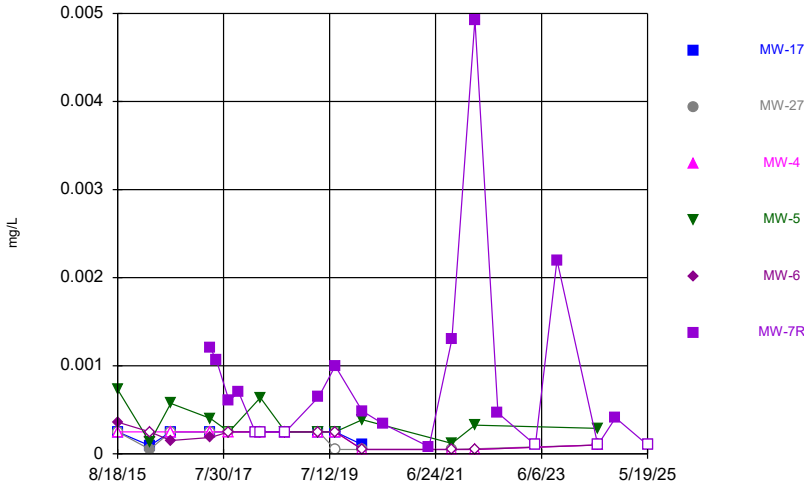
Constituent: beta-BHC Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



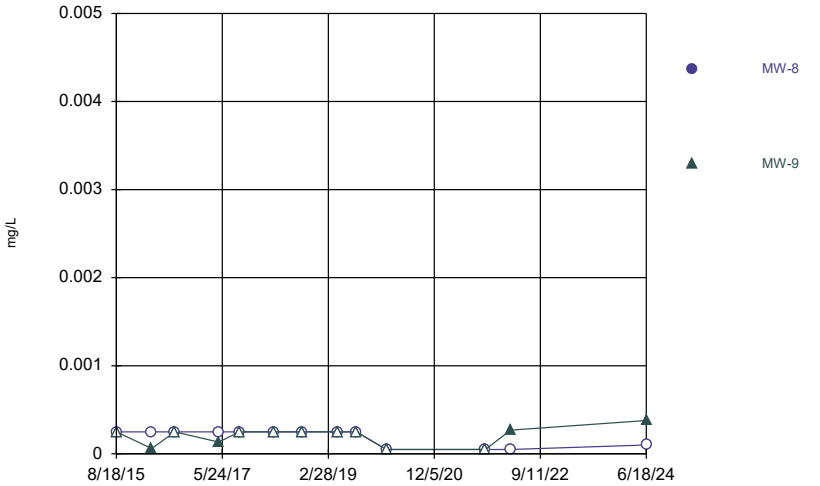
Constituent: Cadmium Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



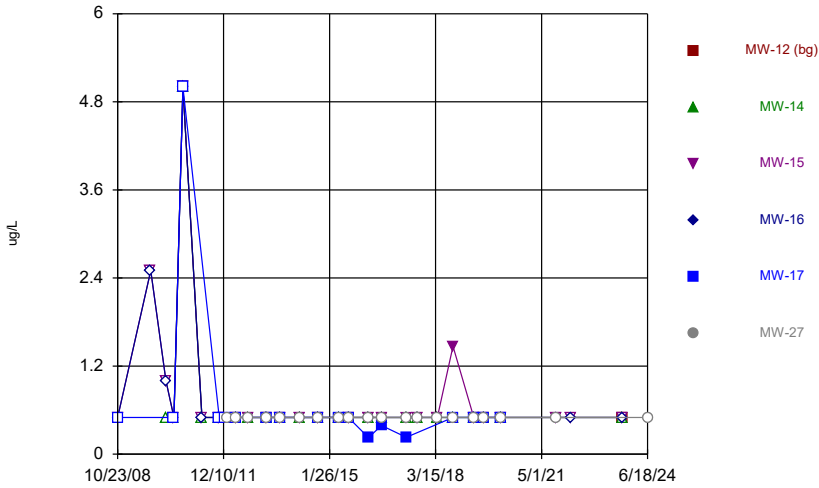
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



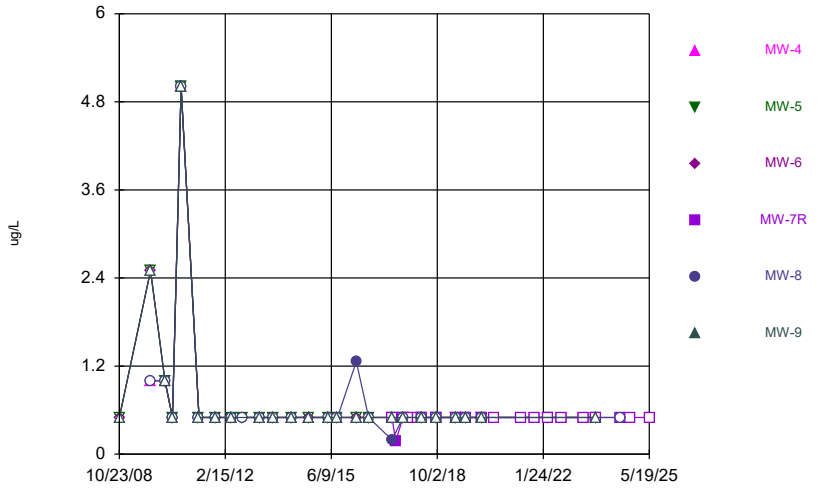
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



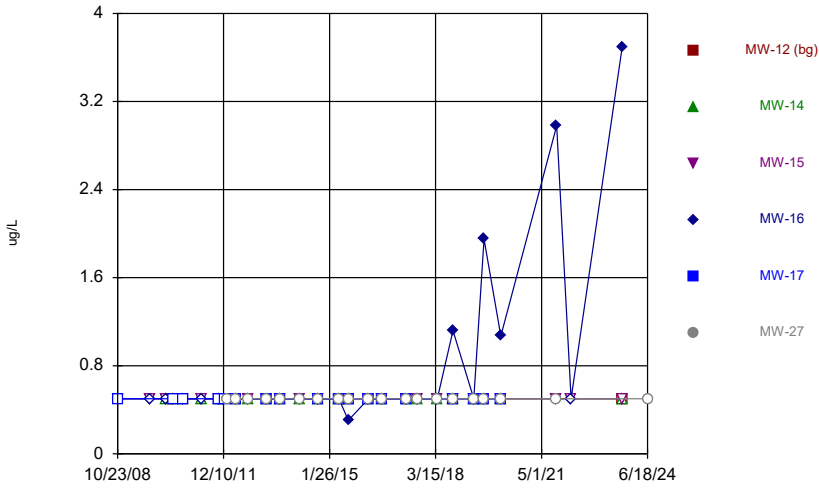
Constituent: Carbon disulfide Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



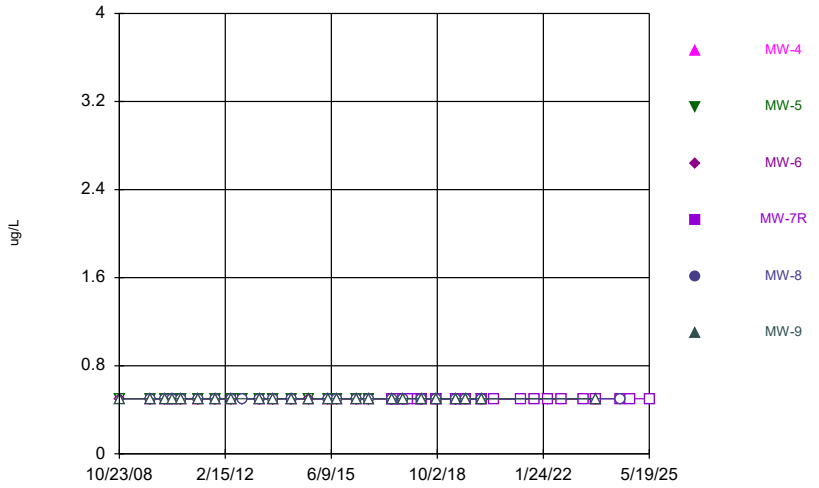
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



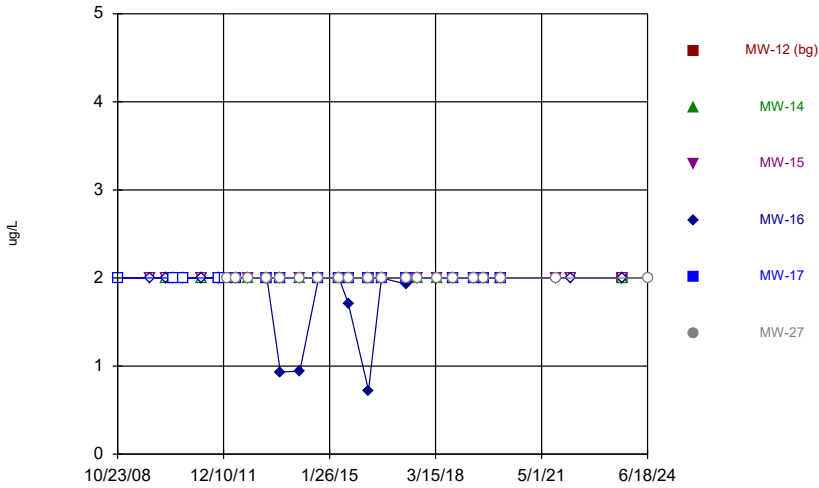
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



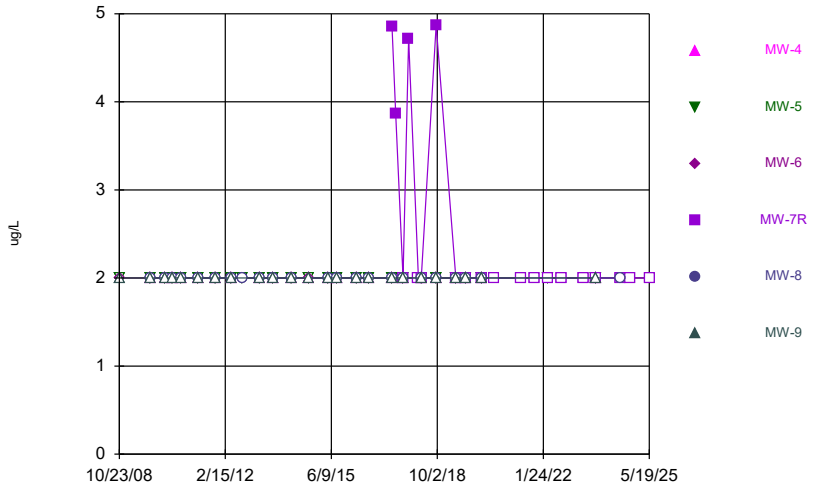
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



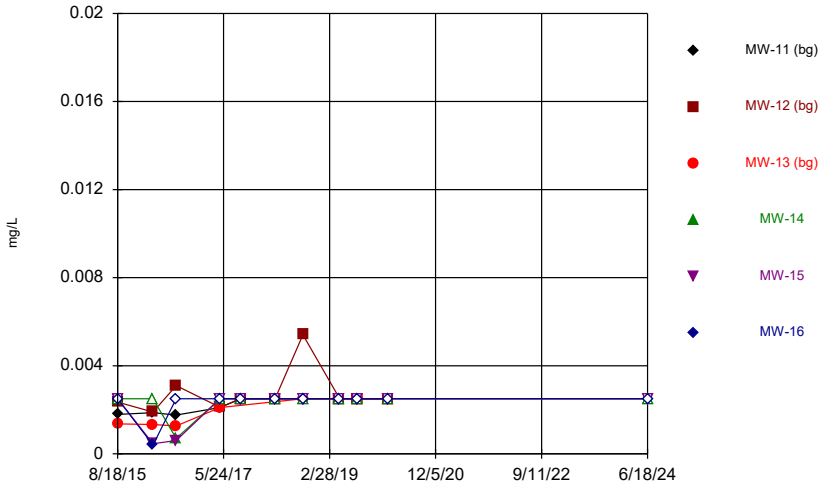
Constituent: Chloroethane Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



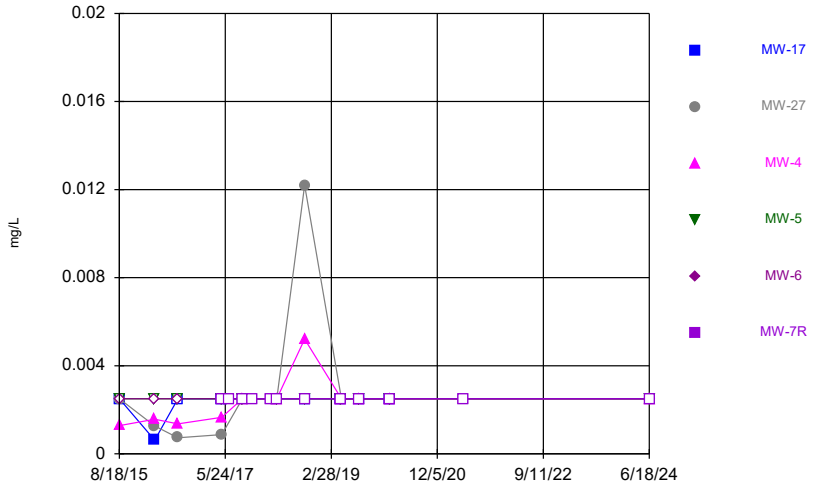
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



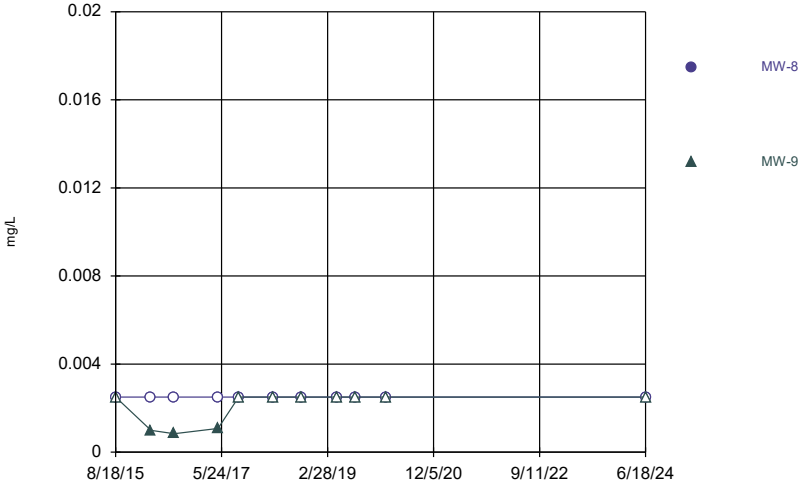
Constituent: Chromium Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



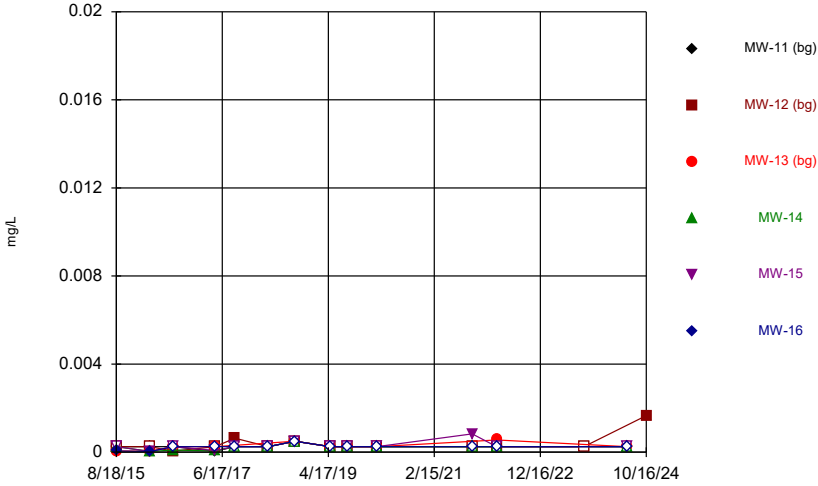
Constituent: Chromium Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



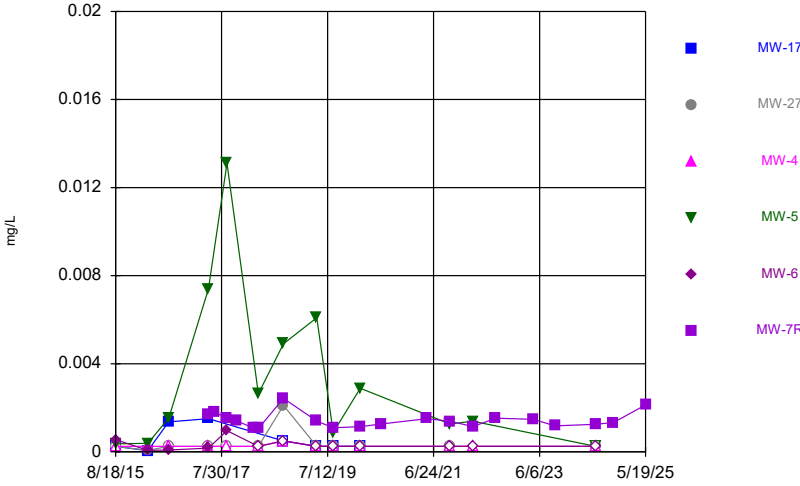
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series

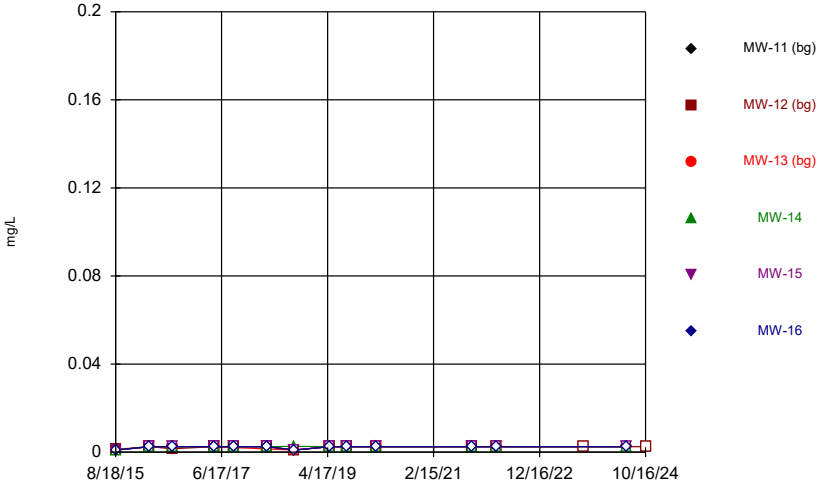


Constituent: Cobalt Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series

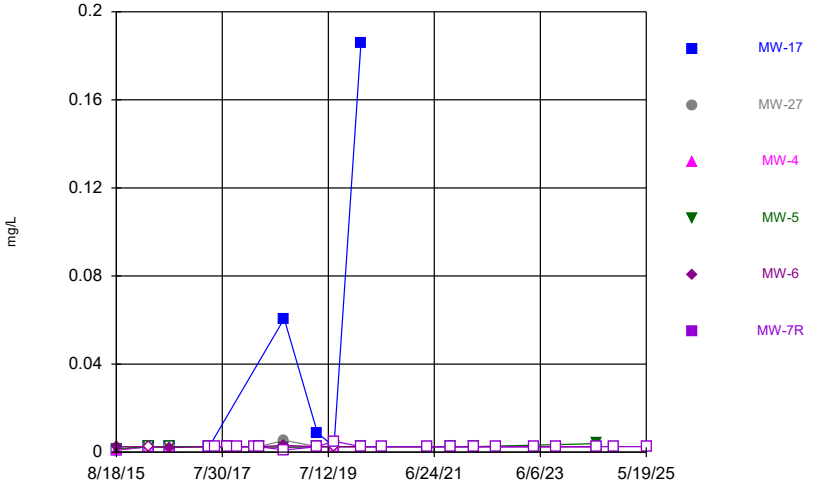


Time Series



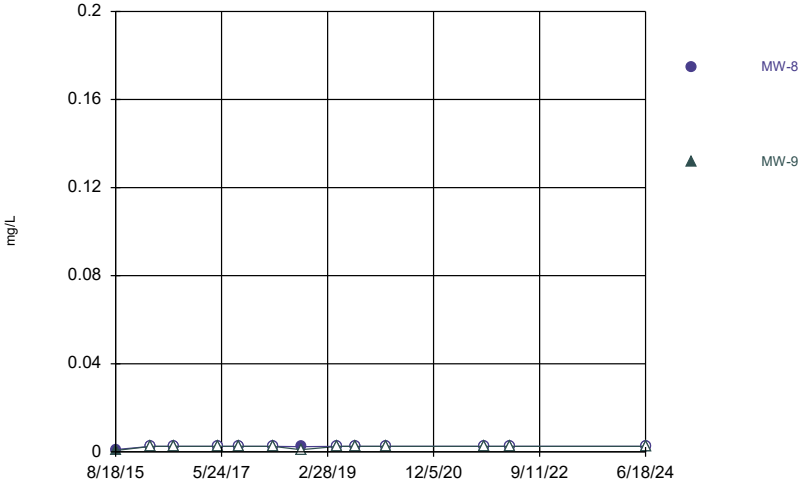
Constituent: Copper Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



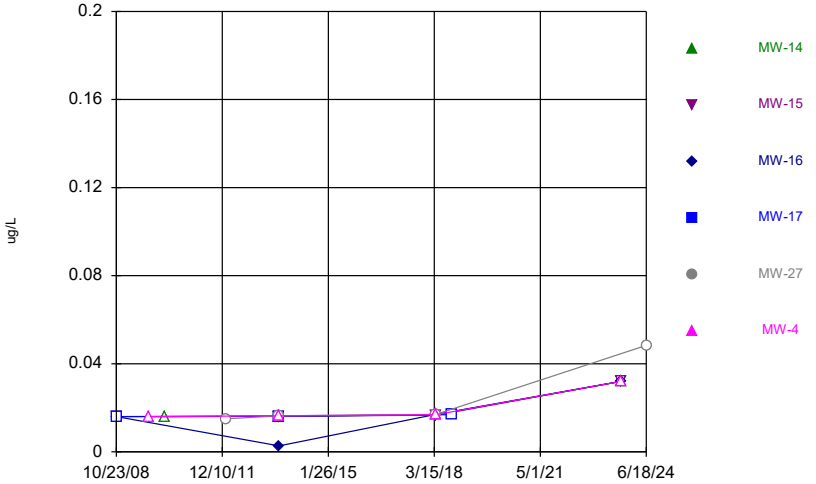
Constituent: Copper Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



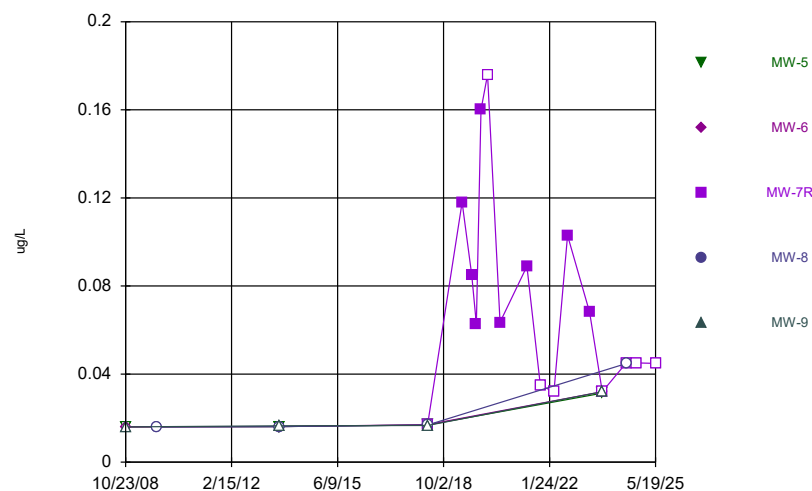
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series

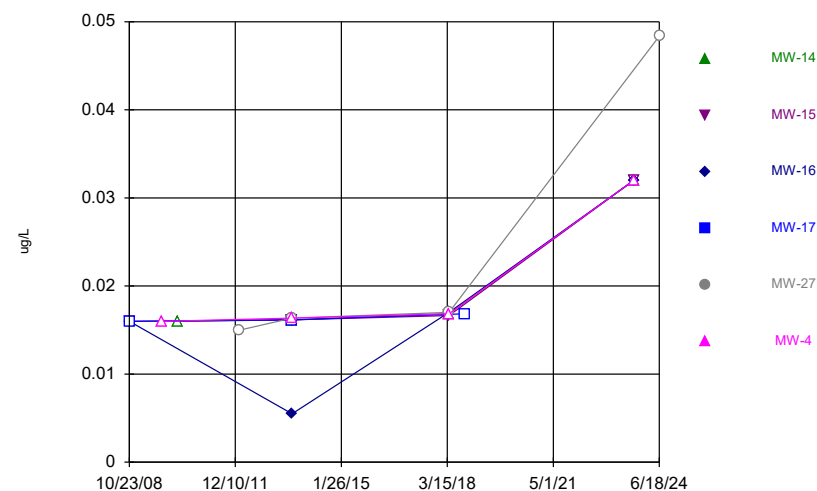


Constituent: Endosulfan I Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

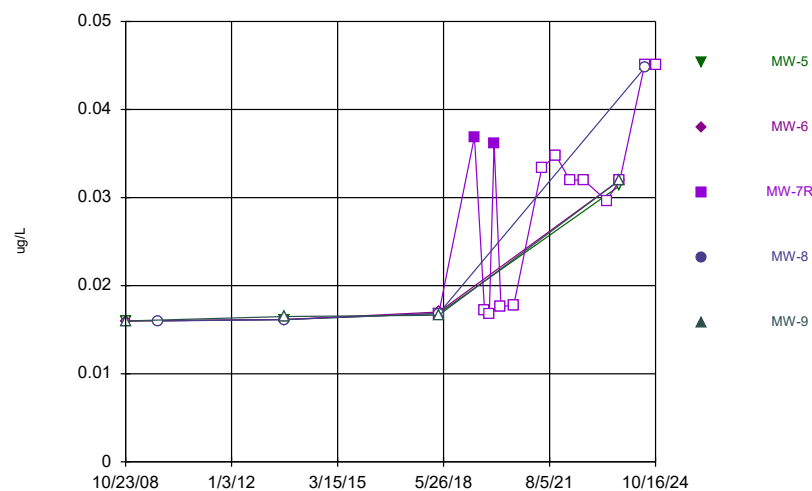
Time Series



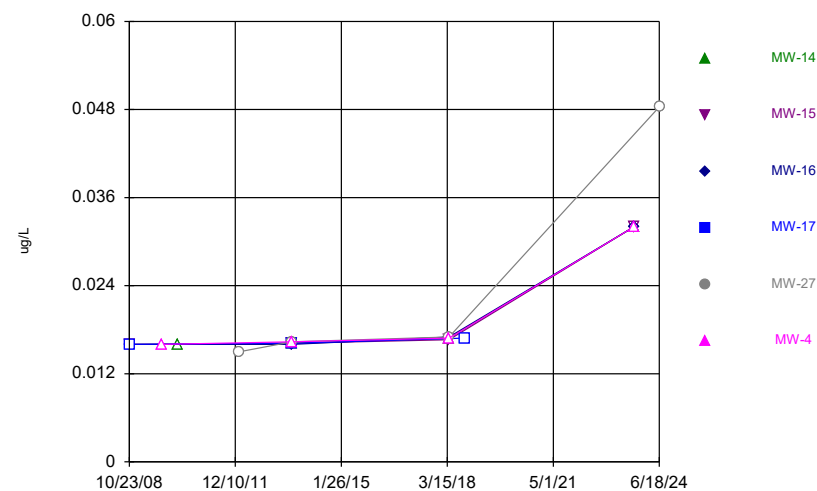
Time Series



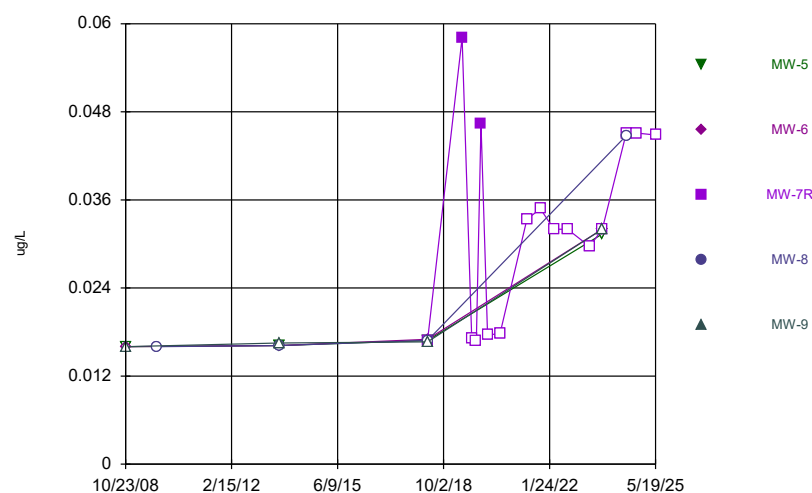
Time Series



Time Series

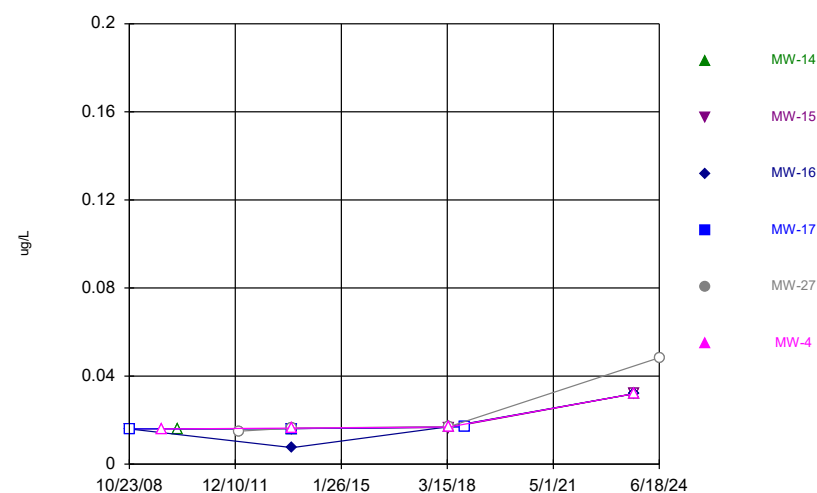


Time Series



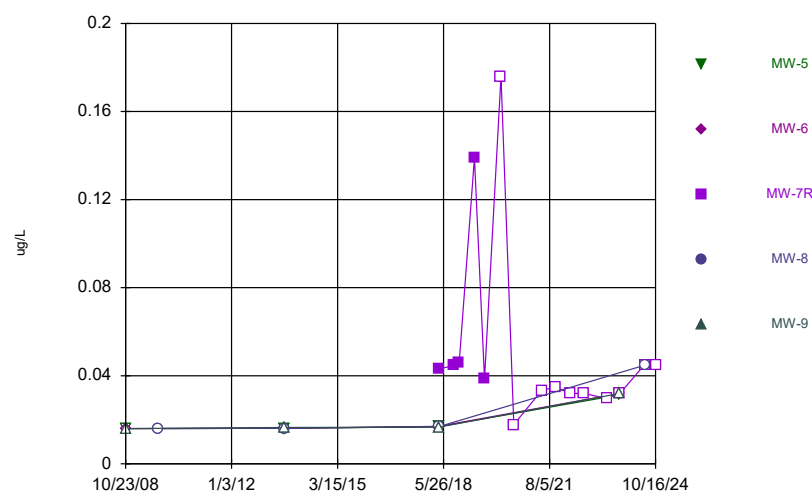
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



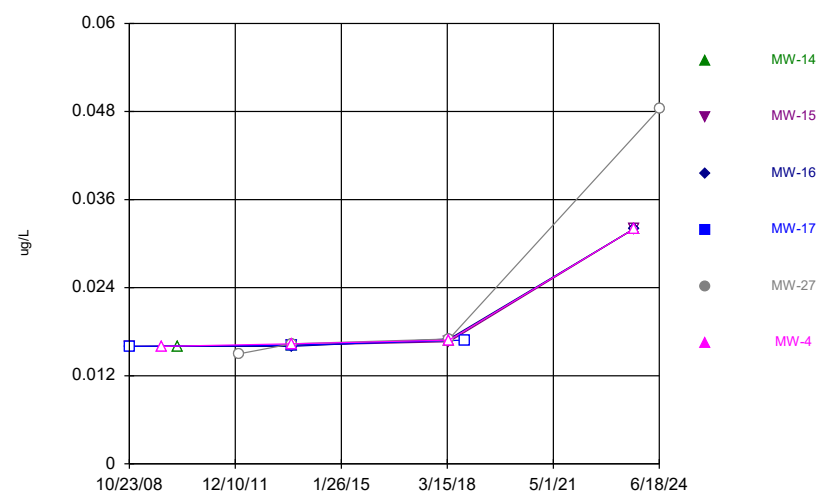
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



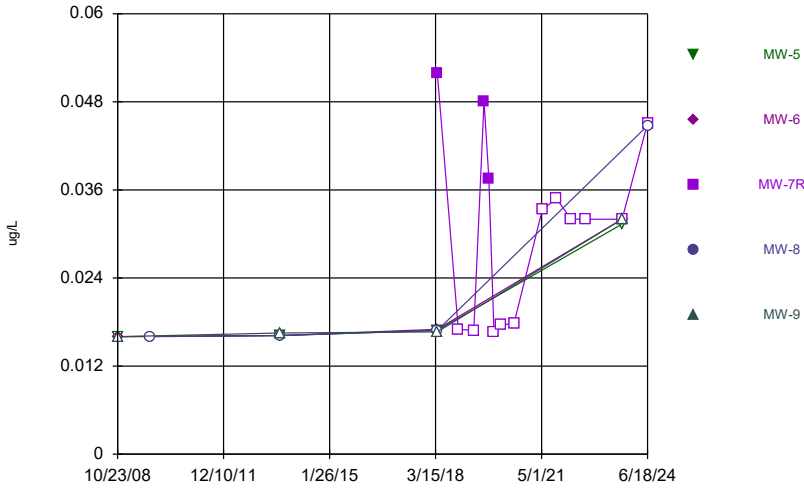
Constituent: Endrin aldehyde Analysis Run 9/17/2025 2:09 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



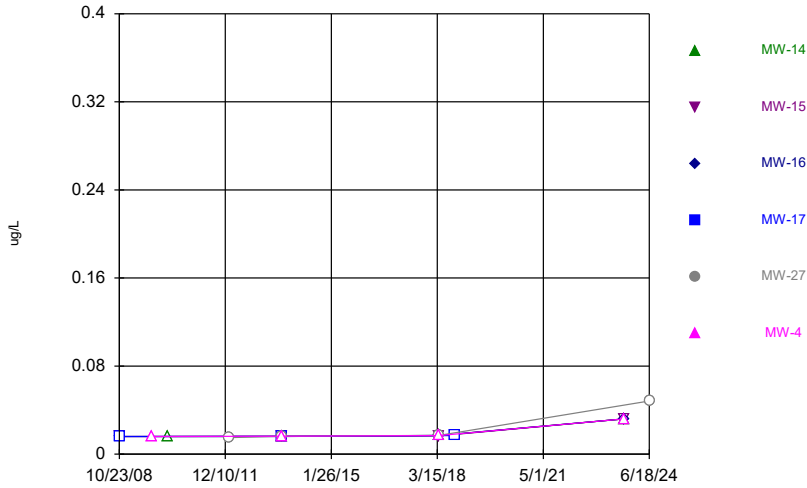
Constituent: gamma-BHC [Lindane] Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



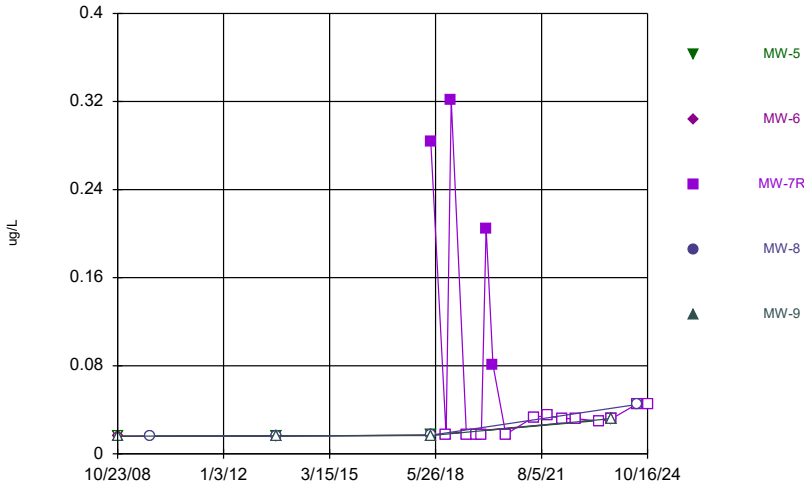
Constituent: gamma-BHC [Lindane] Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



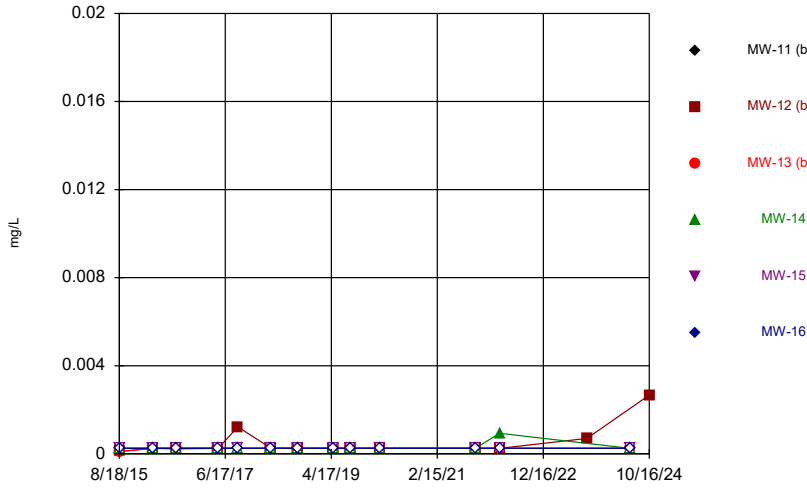
Constituent: Heptachlor Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



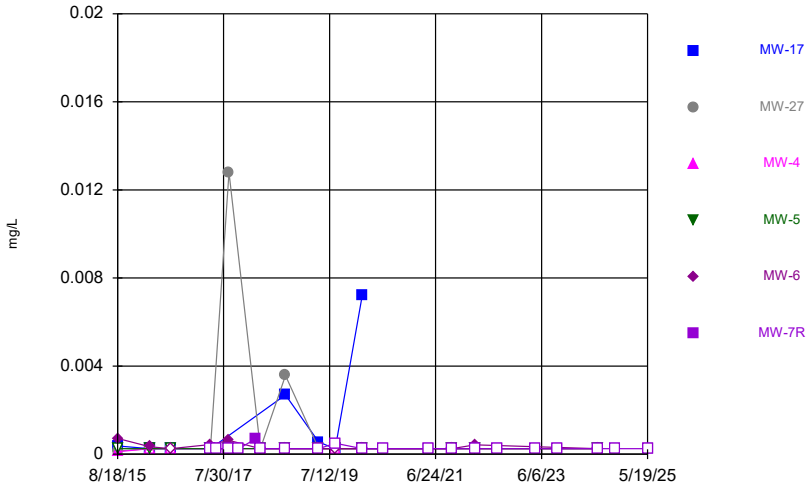
Constituent: Heptachlor Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



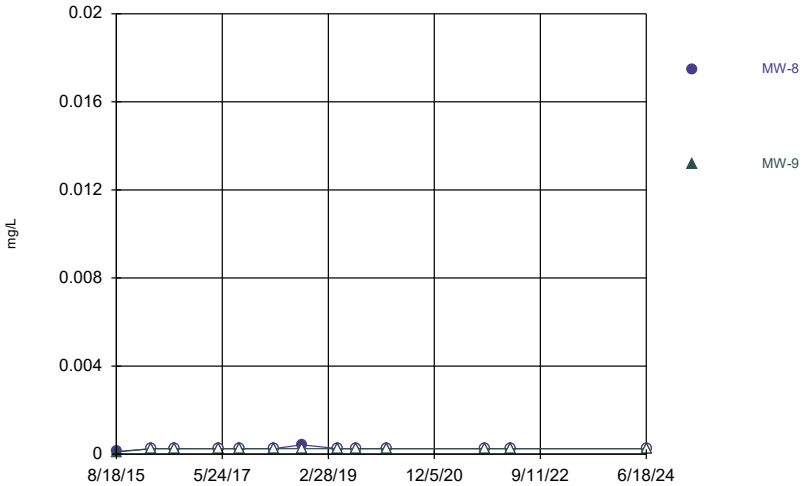
Constituent: Lead Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



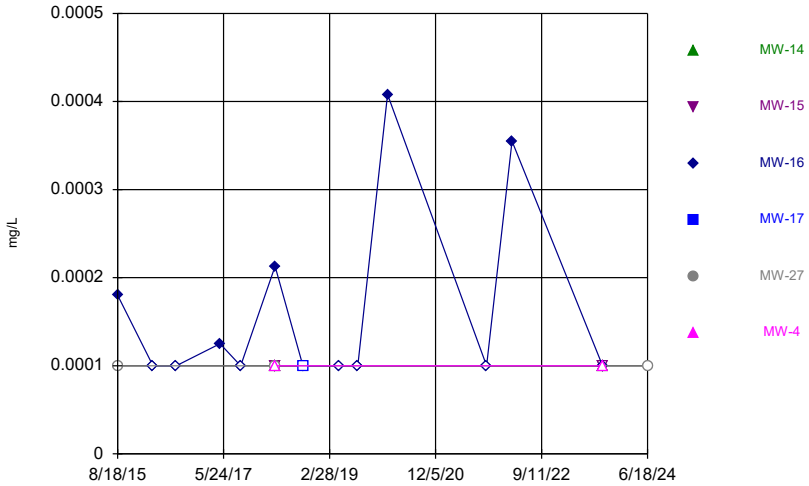
Constituent: Lead Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



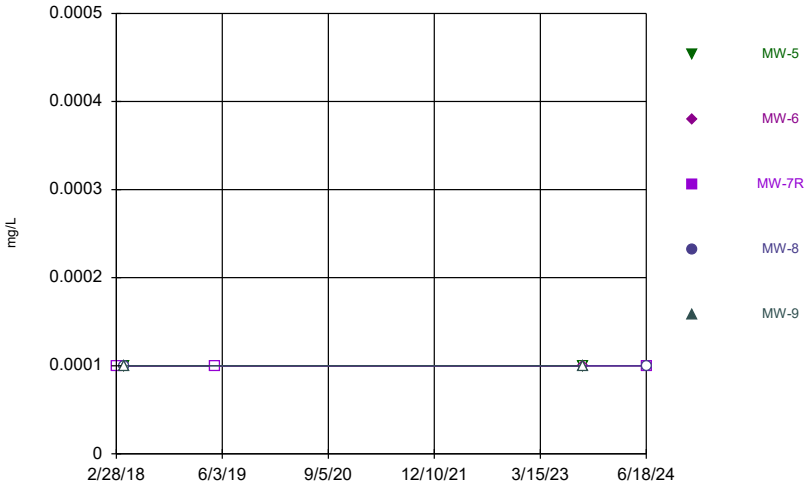
Constituent: Lead Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



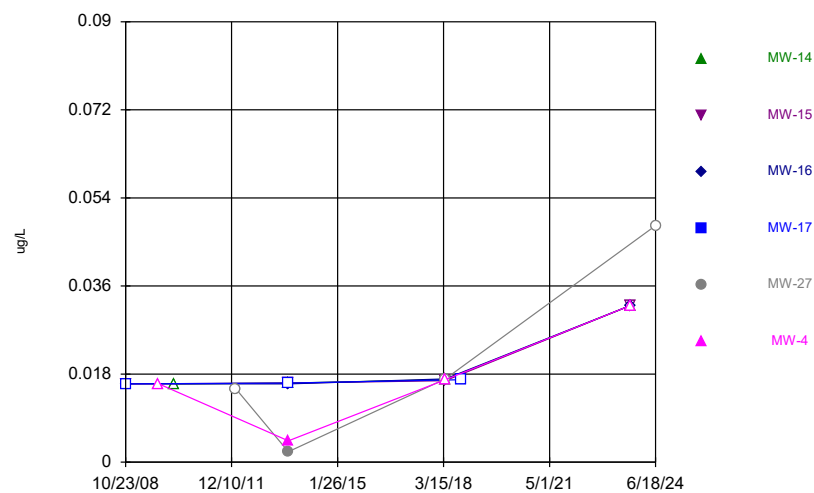
Constituent: Mercury Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



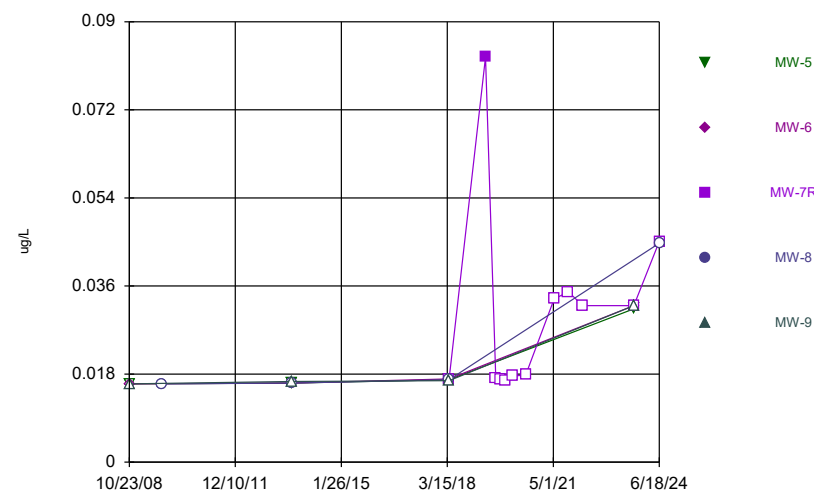
Constituent: Mercury Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



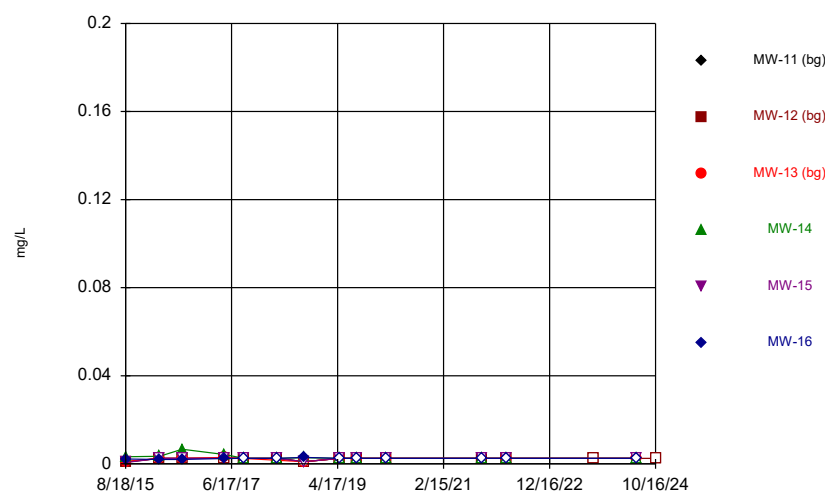
Constituent: Methoxychlor Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



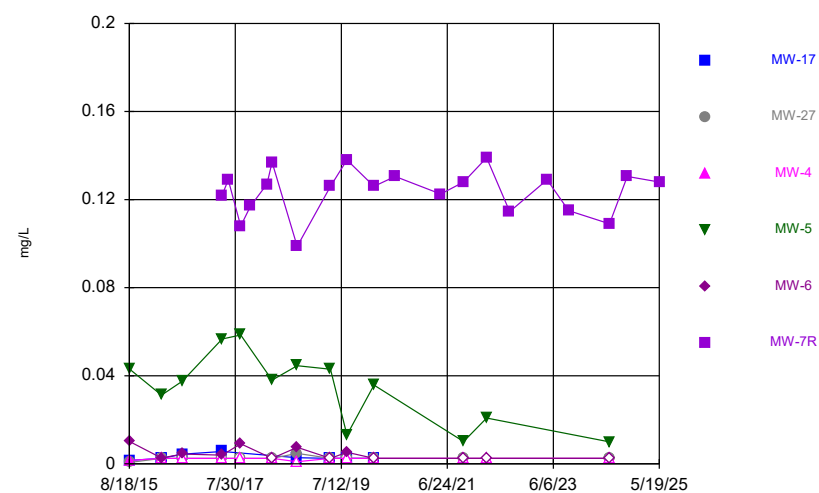
Constituent: Methoxychlor Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



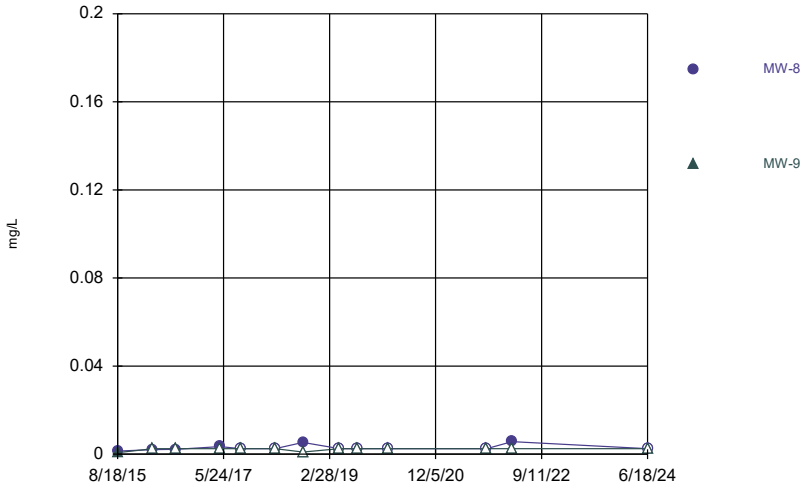
Constituent: Nickel Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



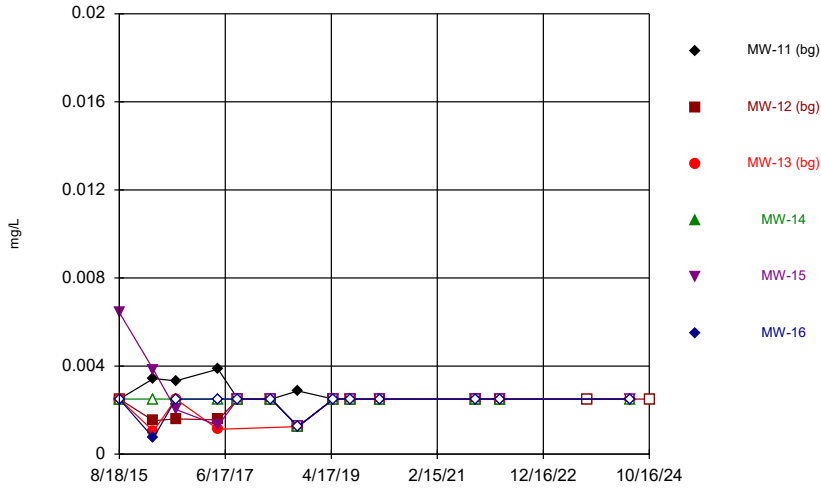
Constituent: Nickel Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



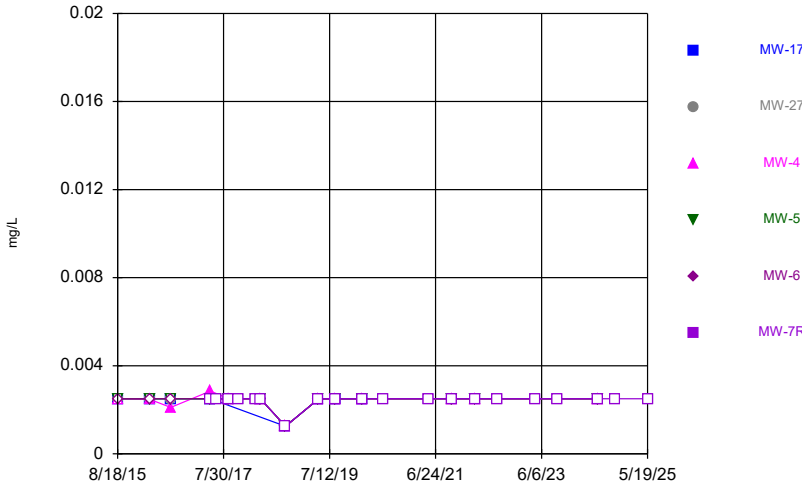
Constituent: Nickel Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



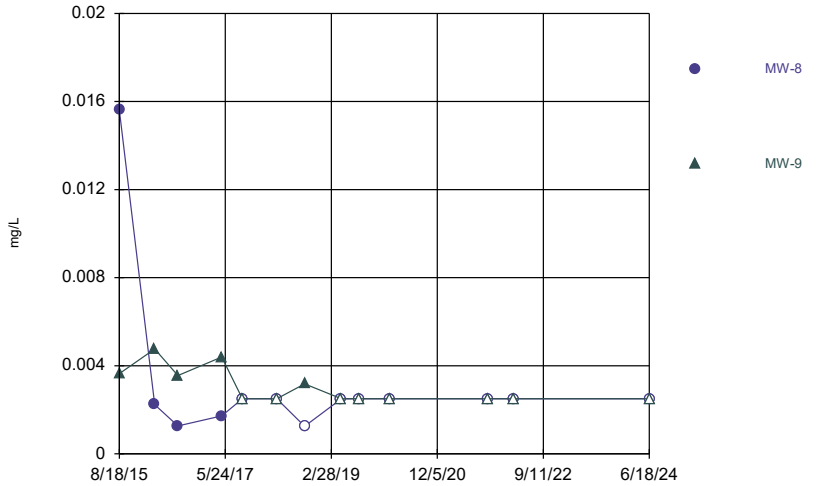
Constituent: Selenium Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



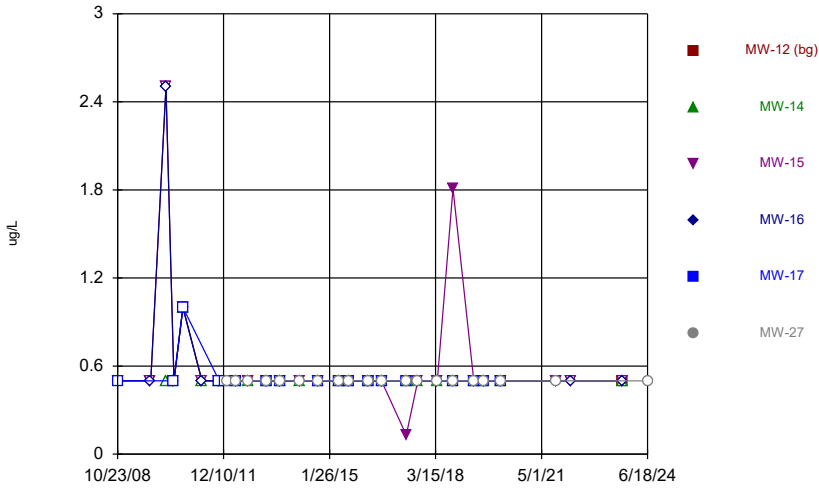
Constituent: Selenium Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series

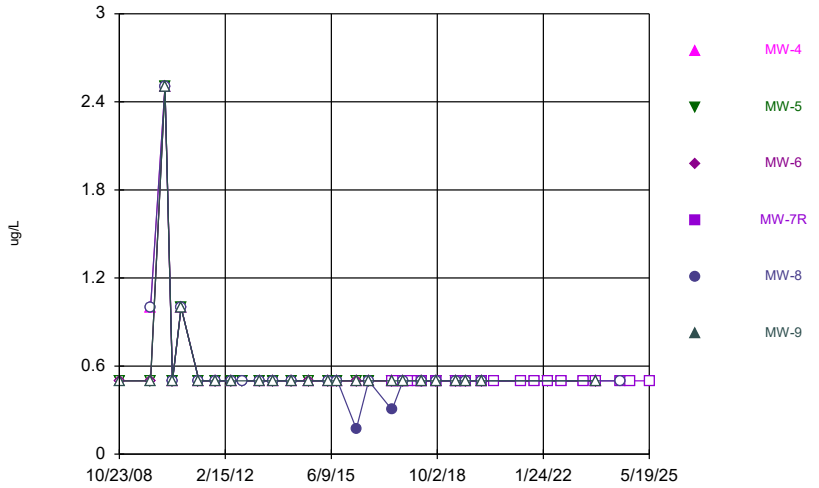


Constituent: Selenium Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

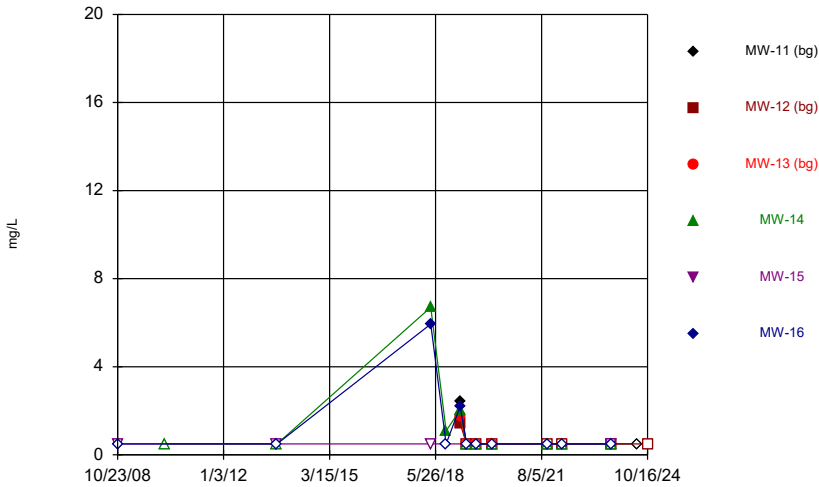
Time Series



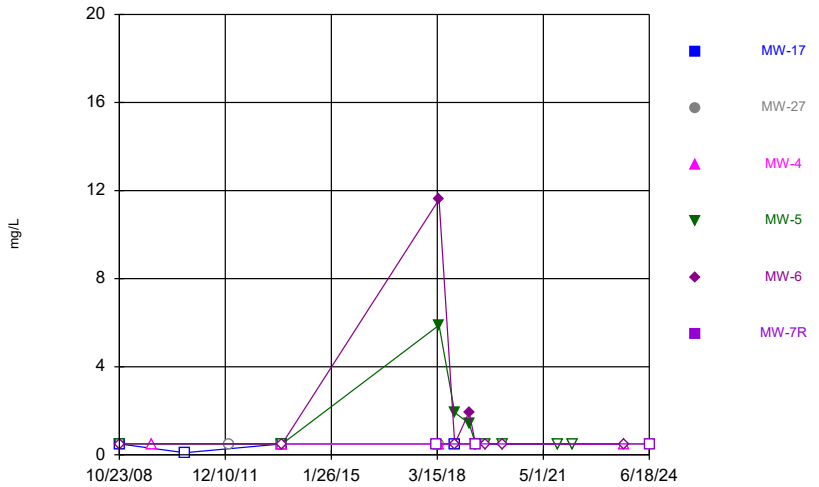
Time Series



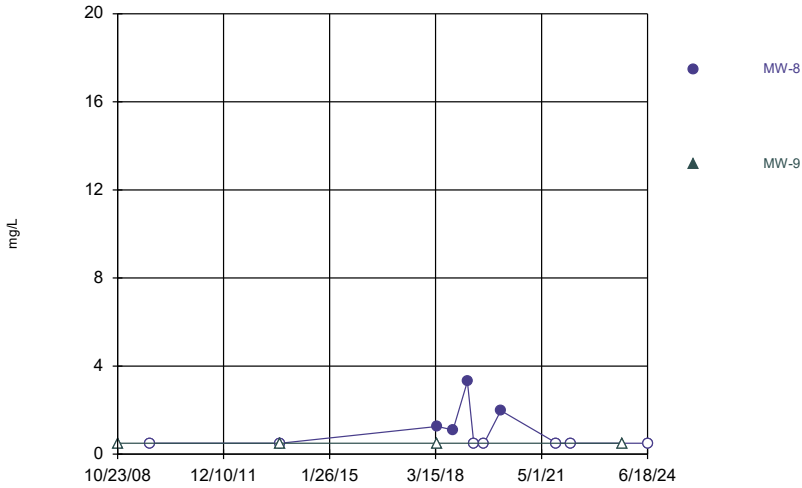
Time Series



Time Series

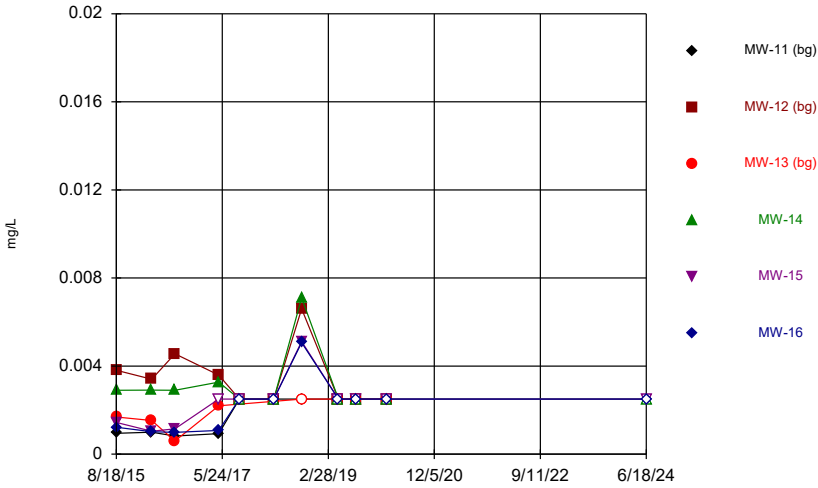


Time Series



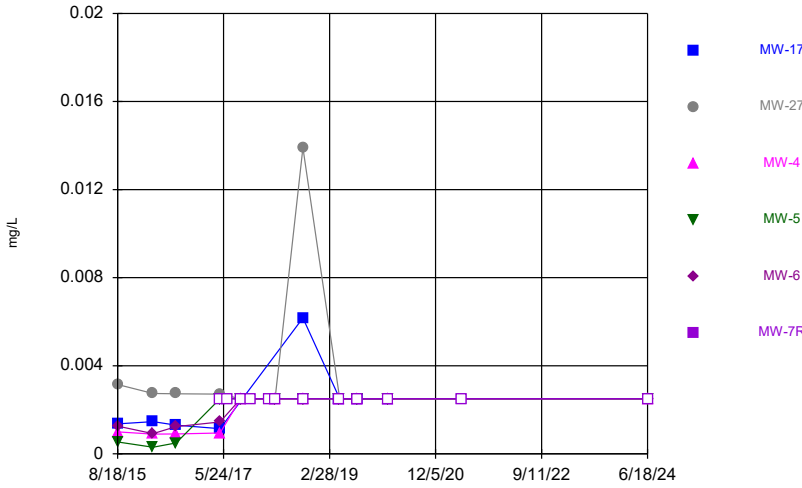
Constituent: Sulfide Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



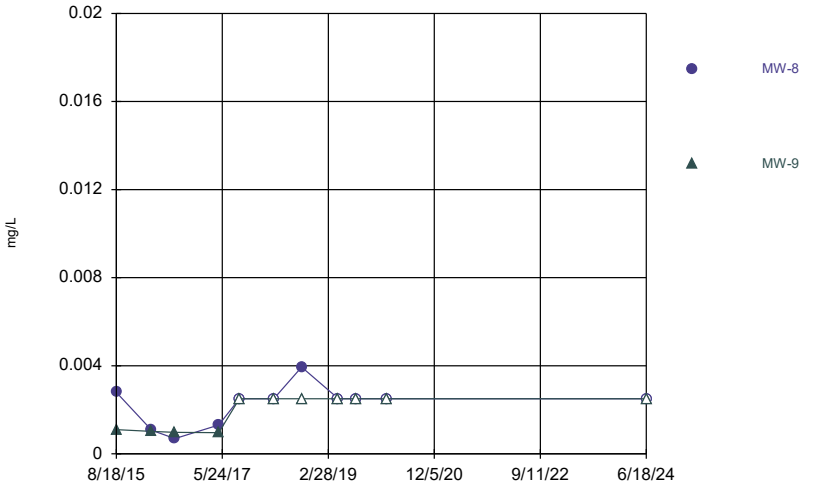
Constituent: Vanadium Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



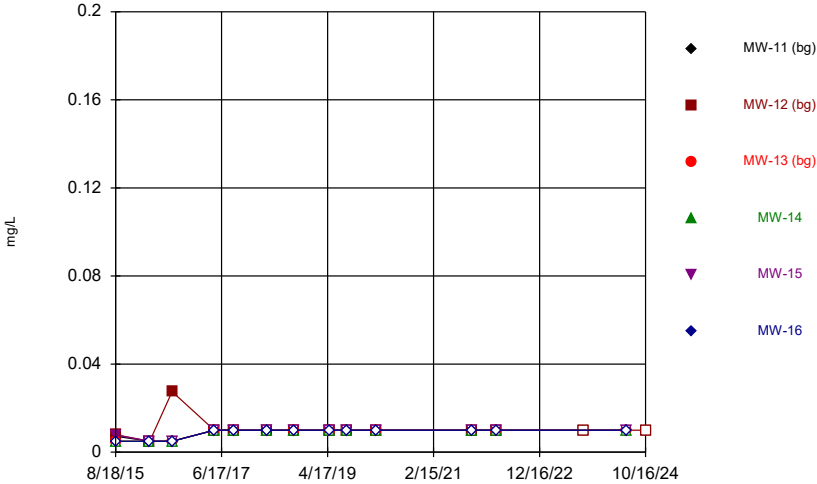
Constituent: Vanadium Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



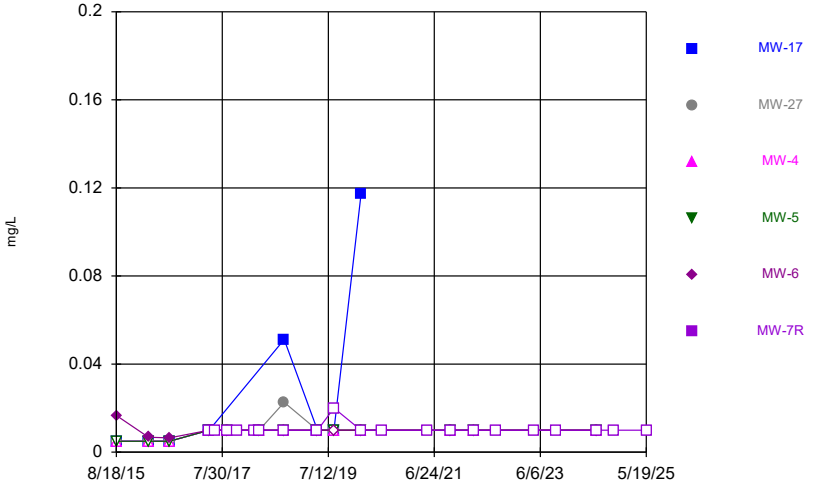
Constituent: Vanadium Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



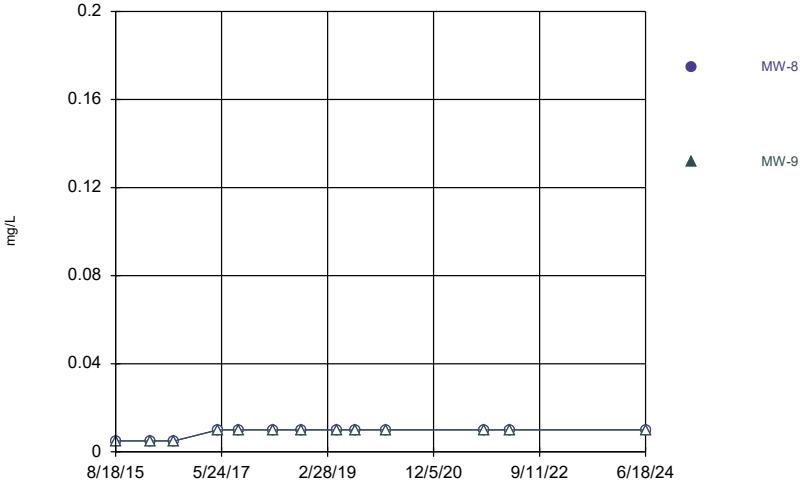
Constituent: Zinc Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



Constituent: Zinc Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



Constituent: Zinc Analysis Run 9/17/2025 2:10 PM View: 2025_SSN-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Outliers Table and Graphs

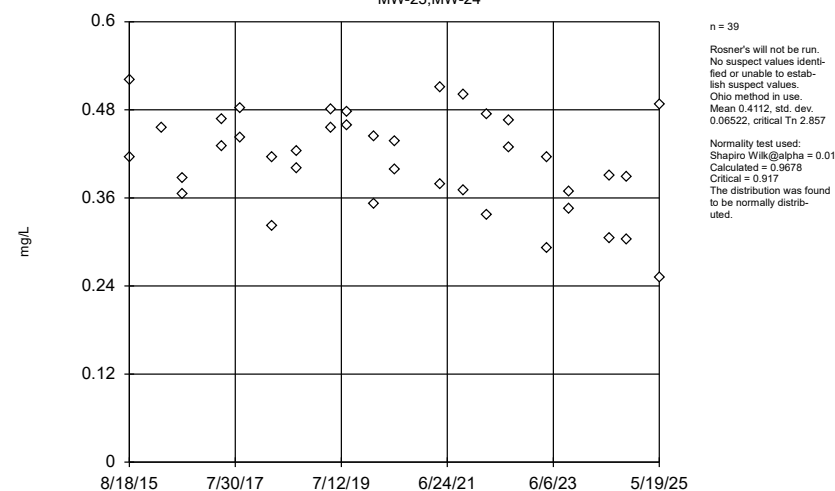
BG Outlier Analysis

Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 9/30/2025, 3:53 PM

<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Arsenic (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	39	0.001049	0.0002369	n/a	n/a
Barium (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	EPA/OH	0.05	39	0.4112	0.06522	normal	ShapiroWilk
Beryllium (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	39	0.0004823	0.0000809	n/a	n/a
Cadmium (mg/L)	MW-23,MW-24	Yes	0.000774,0.000694,0.000657	n/a w/combined bg	OH	NaN	39	0.0001715	0.0001771	n/a	n/a
Chromium (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	39	0.002756	0.0009845	n/a	n/a
Cobalt (mg/L)	MW-23,MW-24	Yes	0.00129	n/a w/combined bg	OH	NaN	39	0.0003356	0.0002113	n/a	n/a
Copper (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	39	0.002619	0.001112	n/a	n/a
Lead (mg/L)	MW-23,MW-24	Yes	0.00185,0.00122	n/a w/combined bg	OH	NaN	39	0.0003366	0.0003271	n/a	n/a
Nickel (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	39	0.002447	0.0005195	n/a	n/a
Selenium (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	39	0.002299	0.00048	n/a	n/a
Silver (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	39	0.0004989	0.0001246	n/a	n/a
Thallium (mg/L)	MW-23,MW-24	Yes	0.001	n/a w/combined bg	OH	NaN	38	0.0005147	0.0001363	n/a	n/a
Vanadium (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	NP (nrm)/OH	NaN	39	0.003231	0.002291	unknown	ShapiroWilk
Zinc (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	39	0.009544	0.001595	n/a	n/a

EPA Screening (suspected outliers for Rosner's Test)

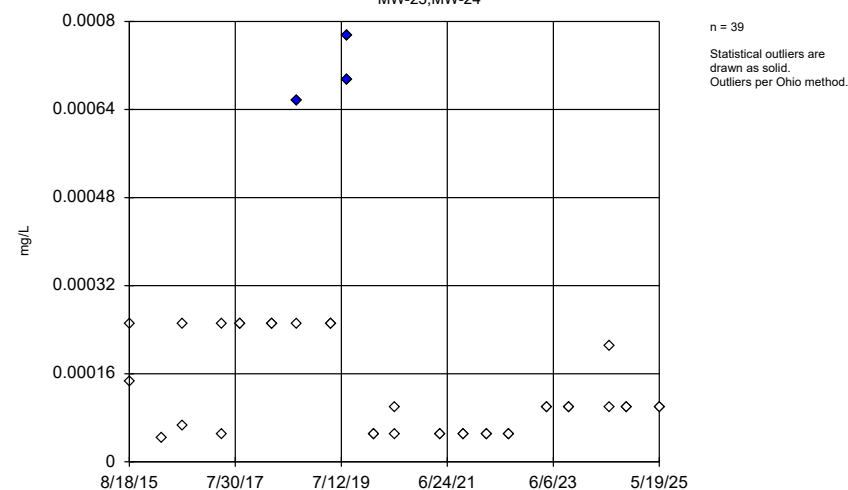
MW-23.MW-24



Constituent: Barium Analysis Run 9/30/2025 3:51 PM View: 2025_SSN-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background

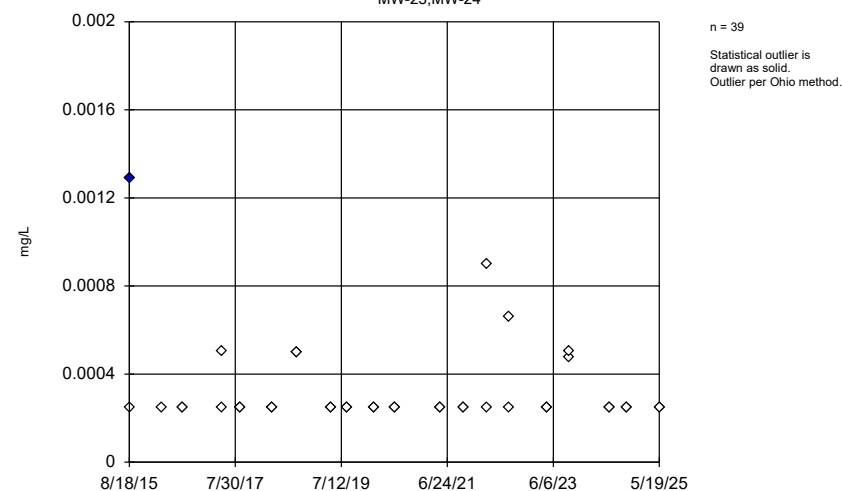
MW-23.MW-24



Constituent: Cadmium Analysis Run 9/30/2025 3:51 PM View: 2025_SSN-BG-Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background

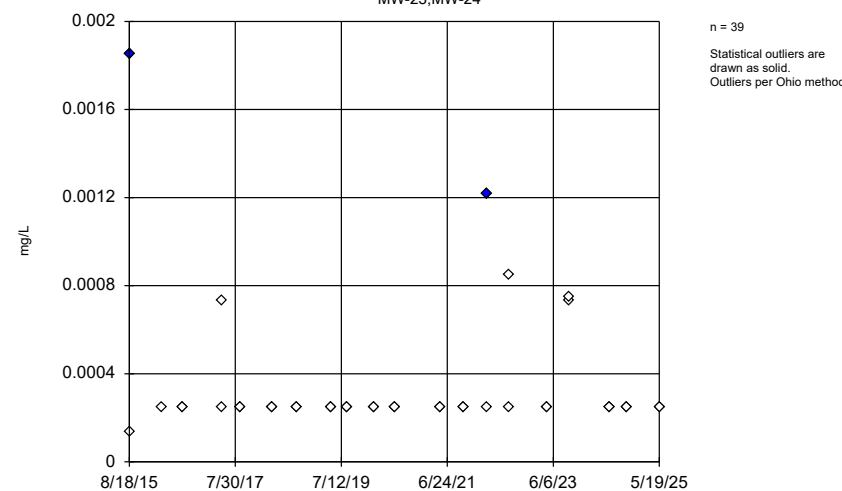
MW-23,MW-24



Constituent: Cobalt Analysis Run 9/30/2025 3:51 PM View: 2025_SSN-BG-Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background

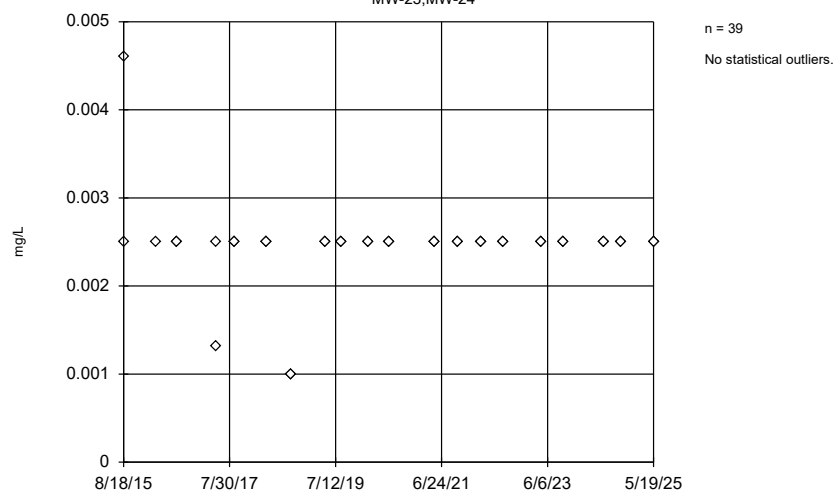
MW-23,MW-24



Constituent: Lead Analysis Run 9/30/2025 3:51 PM View: 2025_SSN-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background

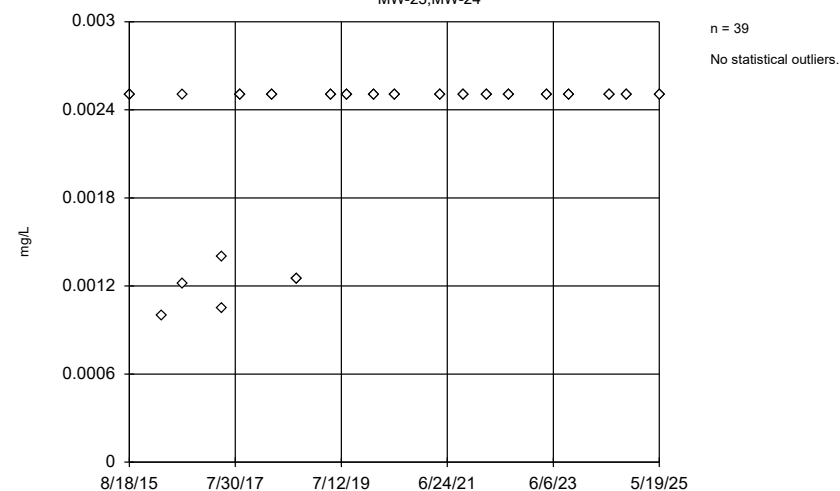
MW-23,MW-24



Constituent: Nickel Analysis Run 9/30/2025 3:51 PM View: 2025_SSN-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background

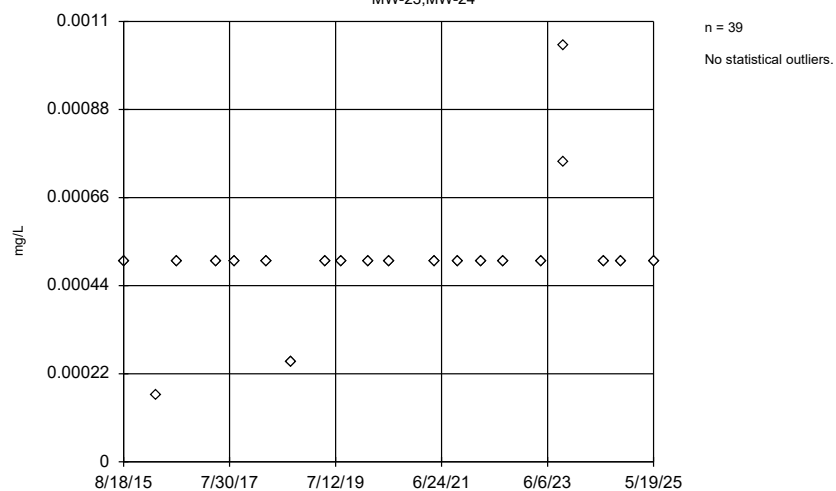
MW-23,MW-24



Constituent: Selenium Analysis Run 9/30/2025 3:51 PM View: 2025_SSN-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background

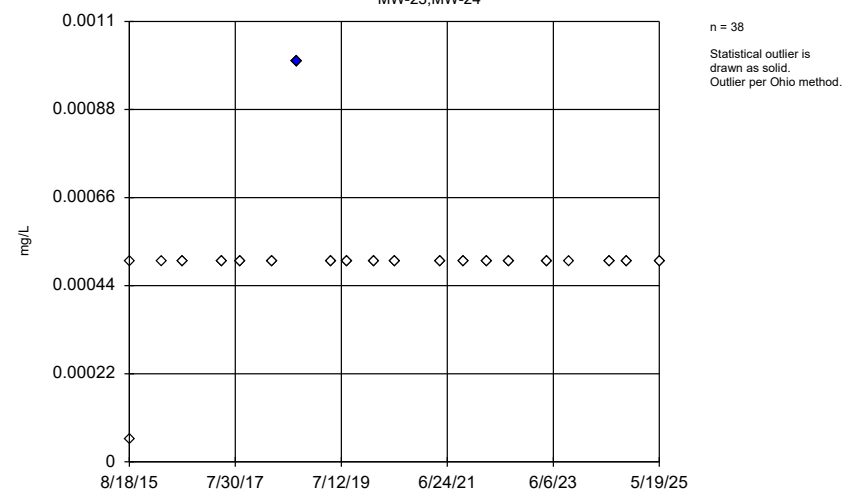
MW-23,MW-24



Constituent: Silver Analysis Run 9/30/2025 3:51 PM View: 2025_SSN-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

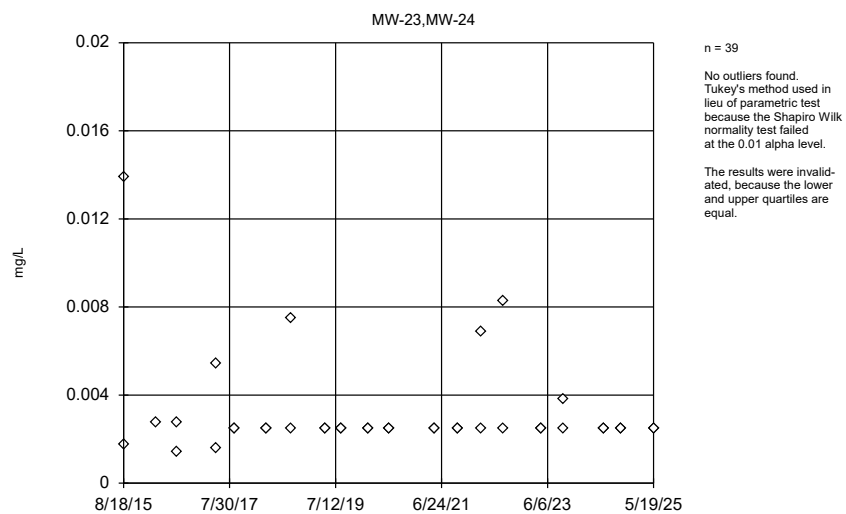
Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-23,MW-24



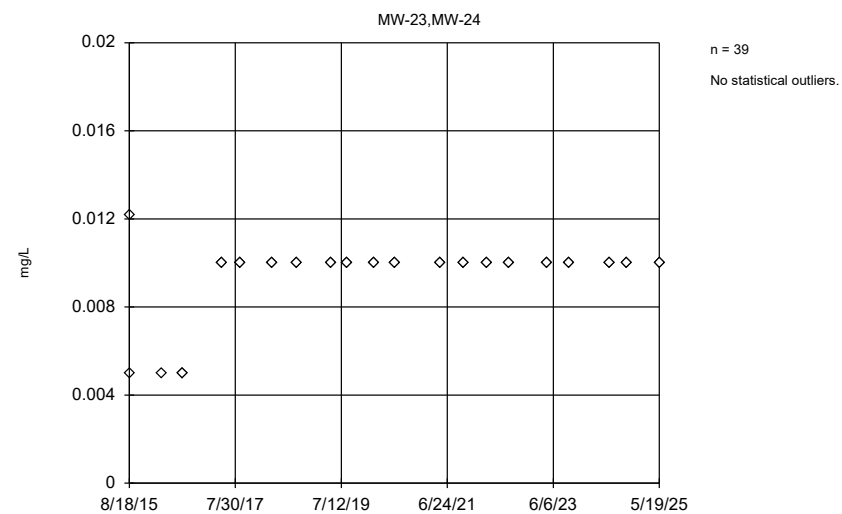
Constituent: Thallium Analysis Run 9/30/2025 3:51 PM View: 2025_SSN-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm, Pooled Background



Constituent: Vanadium Analysis Run 9/30/2025 3:51 PM View: 2025_SSN-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background



Constituent: Zinc Analysis Run 9/30/2025 3:51 PM View: 2025_SSN-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

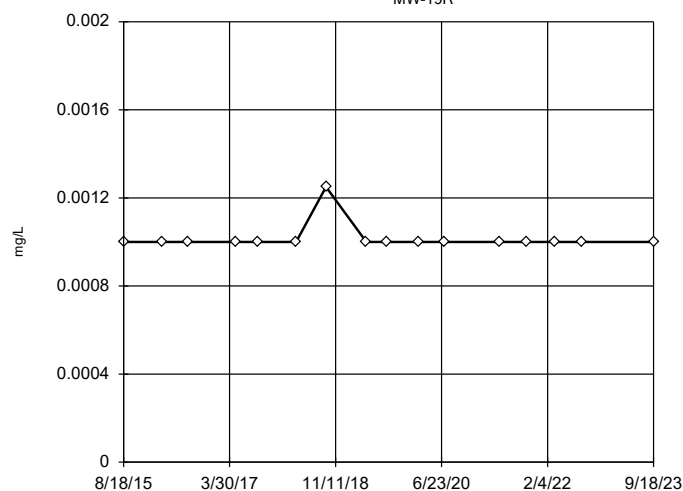
MW-19R BGUpdate Outlier Analysis

Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 10/1/2025, 4:41 PM

<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Arsenic (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	16	0.001016	0.0000625	n/a	n/a
Barium (mg/L)	MW-19R	No	n/a	n/a	EPA/OH	0.05	9	0.2353	0.0225	normal	ShapiroWilk
Cadmium (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	16	0.0001472	0.00009422	n/a	n/a
Chromium (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	16	0.002297	0.0005712	n/a	n/a
Cobalt (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	16	0.0002357	0.0000951	n/a	n/a
Lead (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	17	0.00028	0.0001142	n/a	n/a
Nickel (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	16	0.002302	0.0005432	n/a	n/a
Silver (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	16	0.0004598	0.0001131	n/a	n/a
Vanadium (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	16	0.002223	0.0005025	n/a	n/a

Ohio EPA 0715 Outlier Algorithm

MW-19R



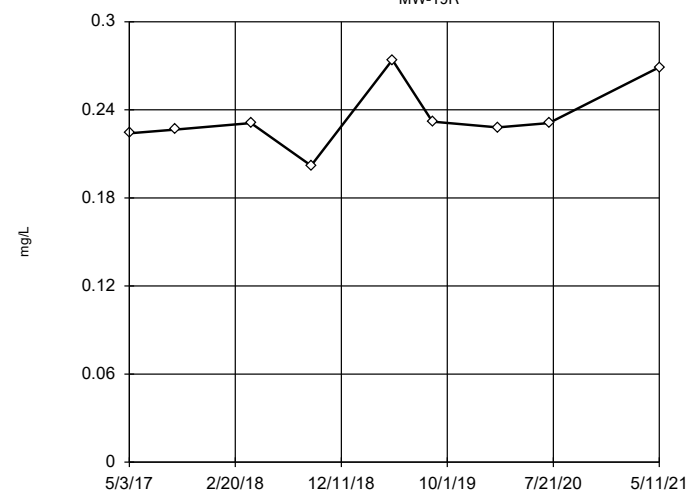
n = 16

No statistical outliers.

Constituent: Arsenic Analysis Run 10/1/2025 4:40 PM View: 2025_SSN-MW-19R_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

EPA Screening (suspected outliers for Dixon's Test)

MW-19R



n = 9

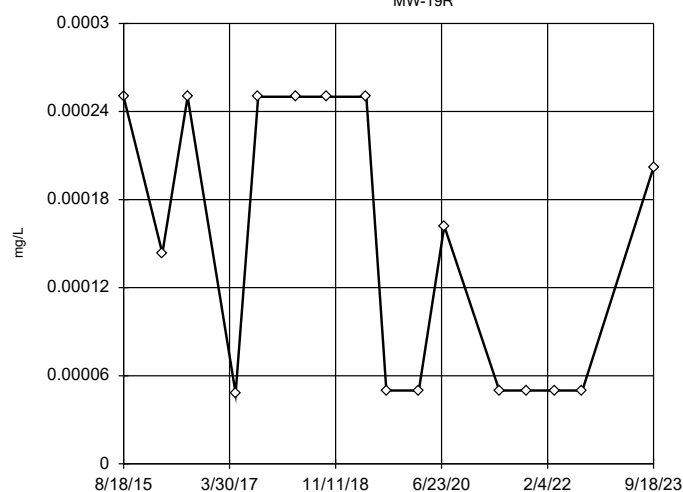
Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.2353, std. dev. 0.0225, critical Tn 2.11

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8413
Critical = 0.764
The distribution was found to be normally distributed.

Constituent: Barium Analysis Run 10/1/2025 4:40 PM View: 2025_SSN-MW-19R_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm

MW-19R



n = 16

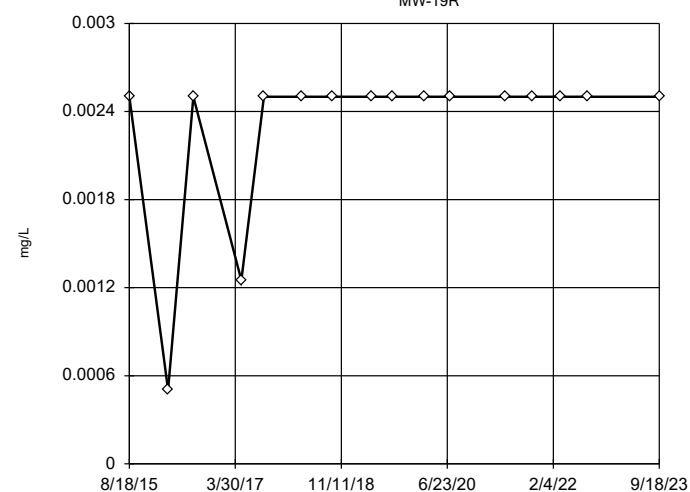
No statistical outliers.

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8413
Critical = 0.764
The distribution was found to be normally distributed.

Constituent: Cadmium Analysis Run 10/1/2025 4:40 PM View: 2025_SSN-MW-19R_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm

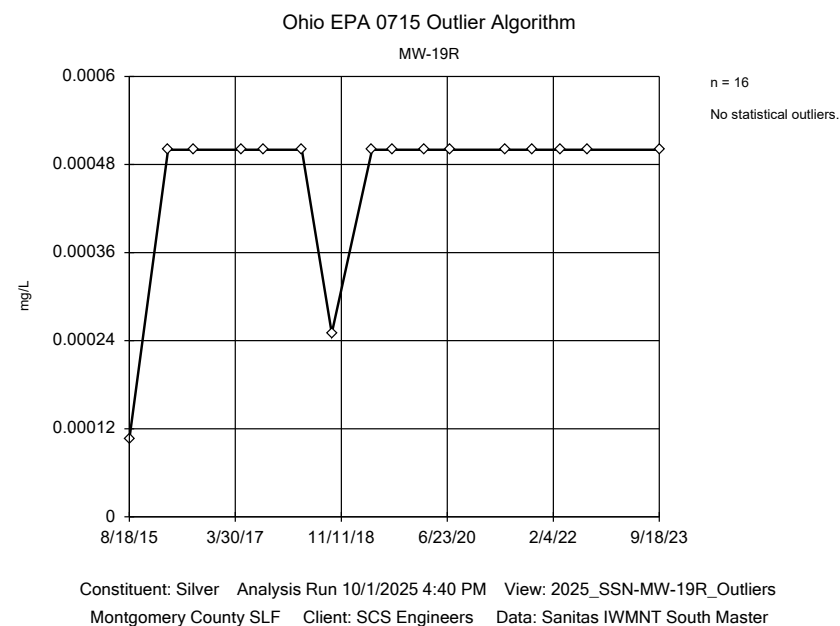
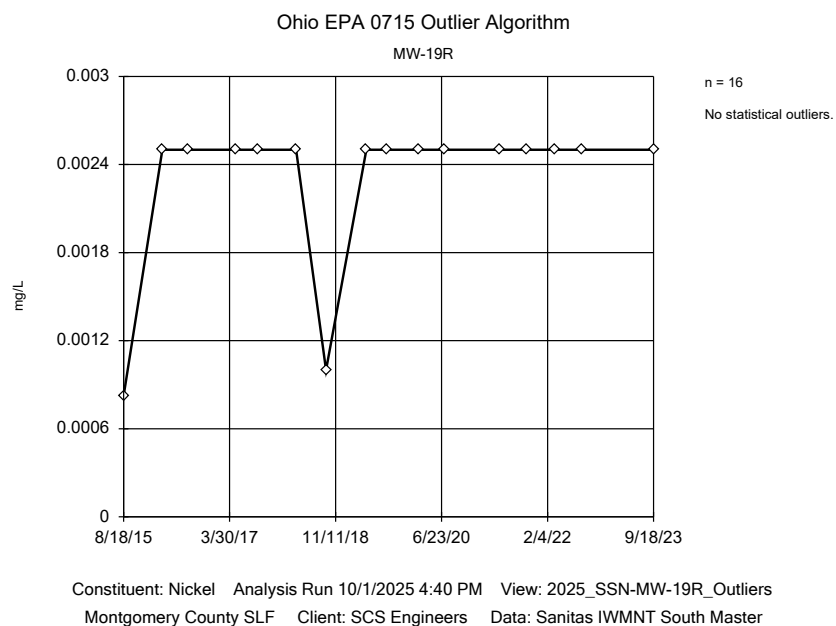
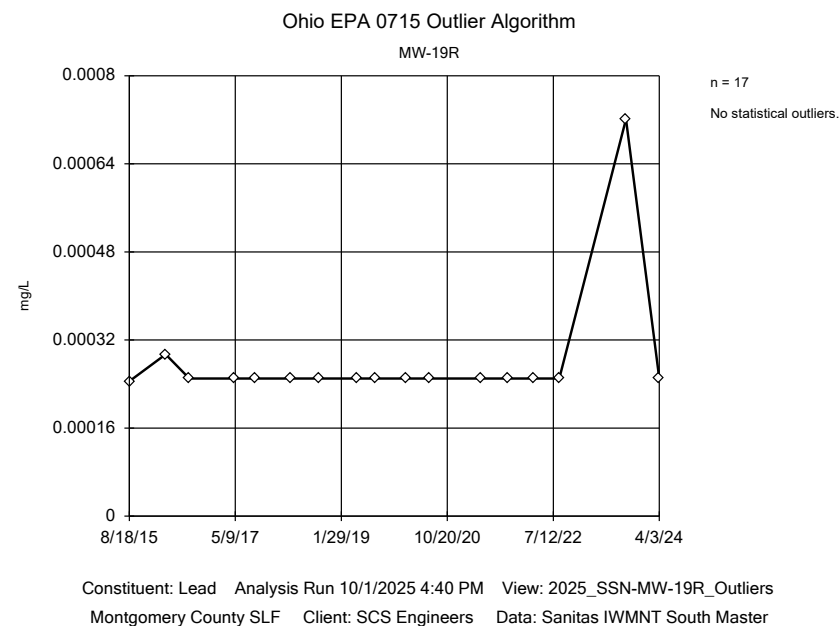
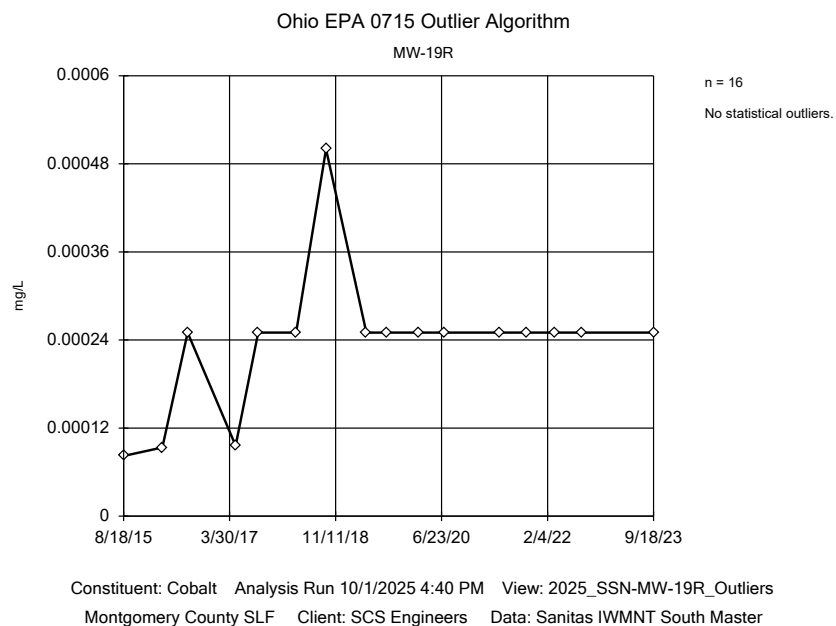
MW-19R

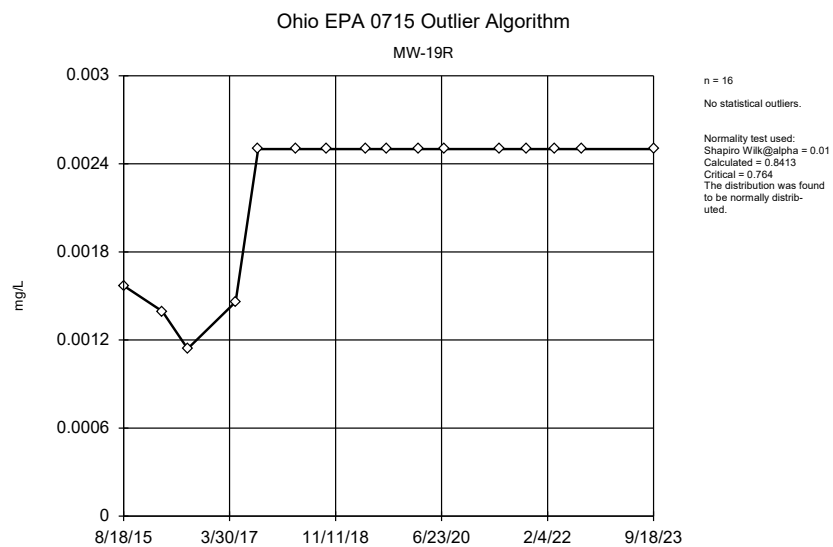


n = 16

No statistical outliers.

Constituent: Chromium Analysis Run 10/1/2025 4:40 PM View: 2025_SSN-MW-19R_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



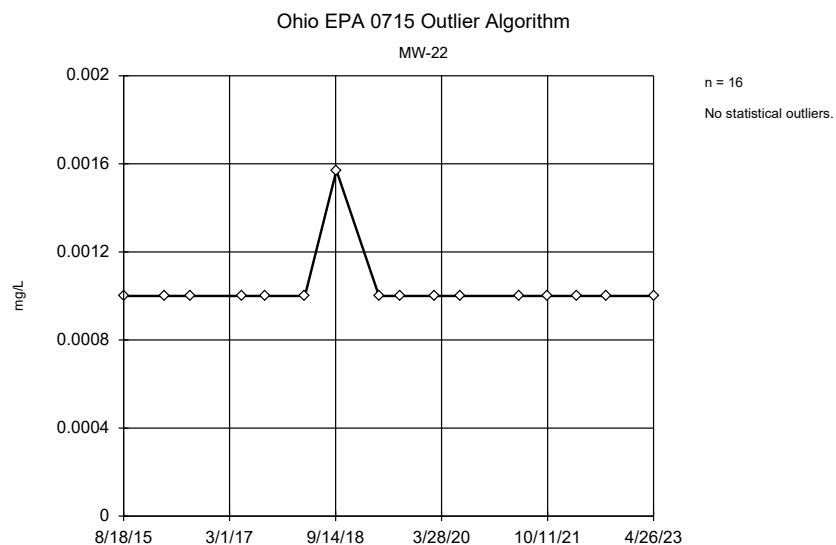


Constituent: Vanadium Analysis Run 10/1/2025 4:40 PM View: 2025_SSN-MW-19R_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

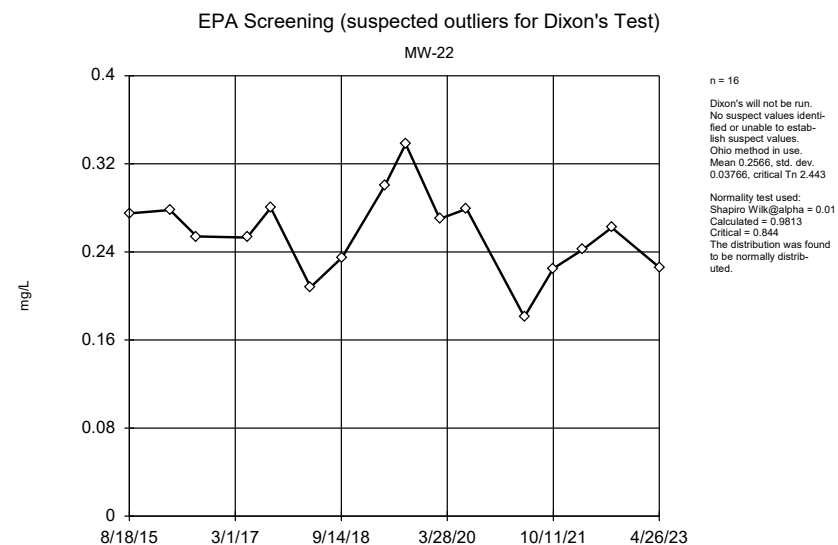
BG Outlier Analysis

Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 9/29/2025, 4:00 PM

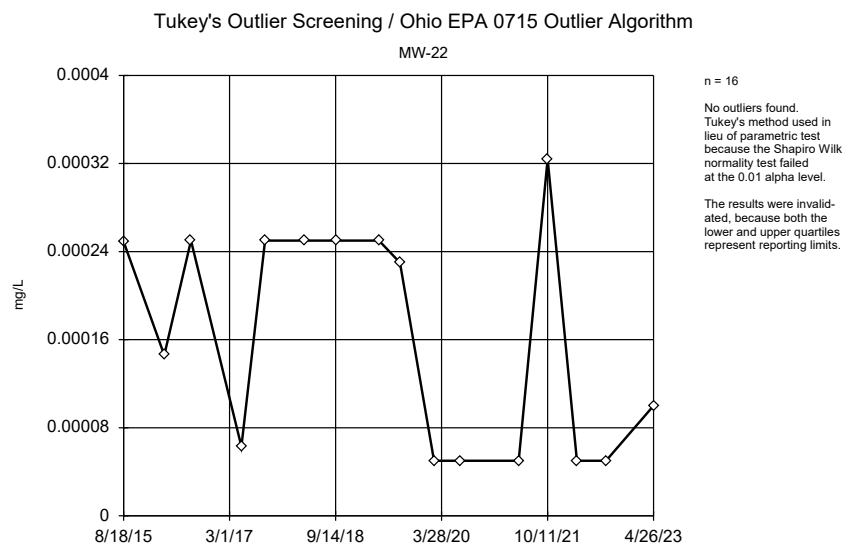
<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Arsenic (mg/L)	MW-22	No	n/a	n/a	OH	NaN	16	0.001036	0.0001425	n/a	n/a
Barium (mg/L)	MW-22	No	n/a	n/a	EPA/OH	0.05	16	0.2566	0.03766	normal	ShapiroWilk
Cadmium (mg/L)	MW-22	No	n/a	n/a	NP (nrm)/OH	NaN	16	0.0001633	0.0001012	unknown	ShapiroWilk
Chromium (mg/L)	MW-22	No	n/a	n/a	OH	NaN	16	0.002228	0.000493	n/a	n/a
Cobalt (mg/L)	MW-22	Yes	0.0005	9/19/2018	OH	NaN	16	0.0002523	0.00008494	n/a	n/a
Copper (mg/L)	MW-22	No	n/a	n/a	OH	NaN	16	0.00236	0.0004204	n/a	n/a
Lead (mg/L)	MW-22	No	n/a	n/a	OH	NaN	16	0.0002448	0.00002075	n/a	n/a
Selenium (mg/L)	MW-22	No	n/a	n/a	OH	NaN	16	0.002321	0.000493	n/a	n/a
Silver (mg/L)	MW-22	No	n/a	n/a	OH	NaN	16	0.0004393	0.0001331	n/a	n/a
Vanadium (mg/L)	MW-22	No	n/a	n/a	OH	NaN	16	0.002326	0.0003141	n/a	n/a



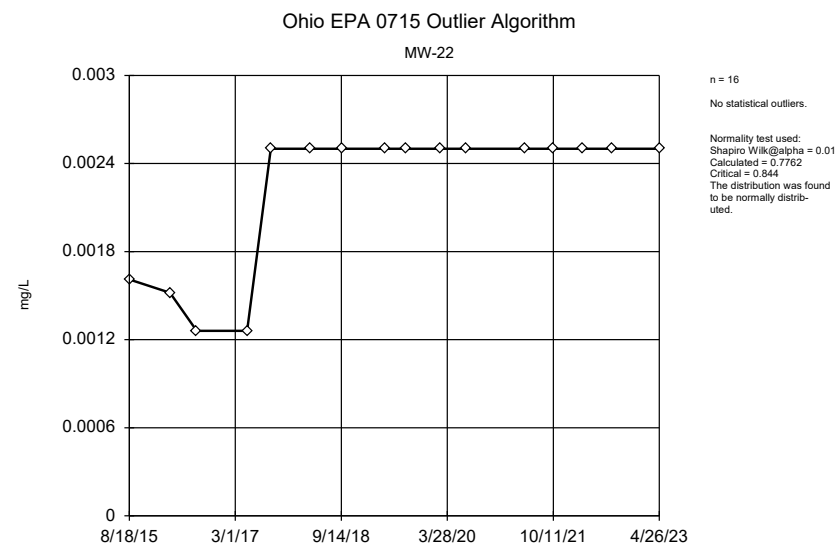
Constituent: Arsenic Analysis Run 9/29/2025 3:57 PM View: 2025_SSN-BG_Outliers_MW-22
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



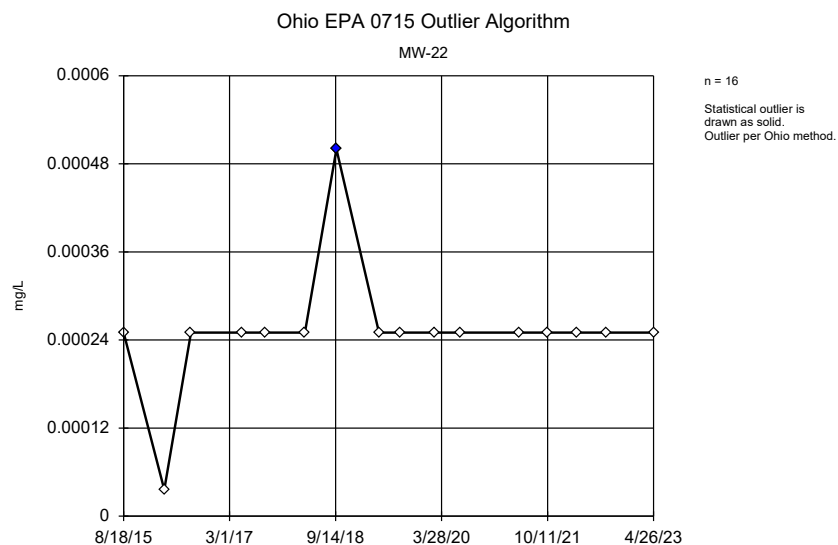
Constituent: Barium Analysis Run 9/29/2025 3:57 PM View: 2025_SSN-BG_Outliers_MW-22
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



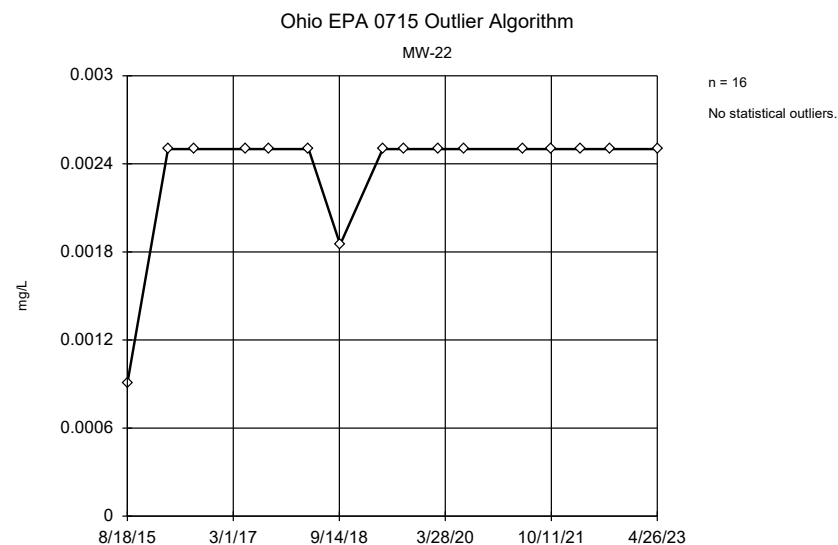
Constituent: Cadmium Analysis Run 9/29/2025 3:57 PM View: 2025_SSN-BG_Outliers_MW-22
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



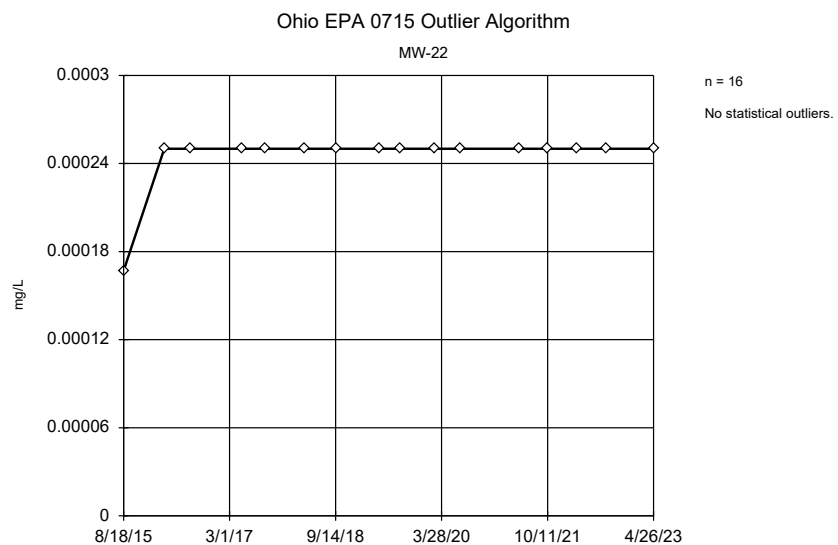
Constituent: Chromium Analysis Run 9/29/2025 3:57 PM View: 2025_SSN-BG_Outliers_MW-22
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



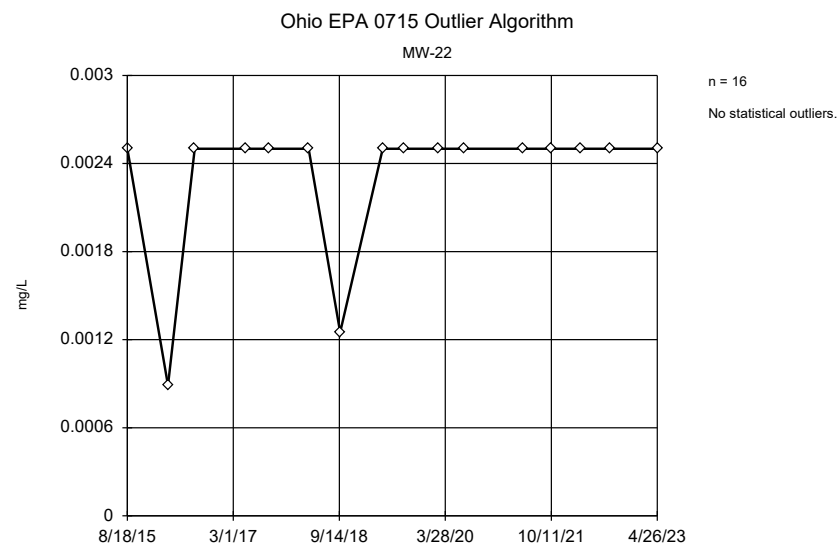
Constituent: Cobalt Analysis Run 9/29/2025 3:57 PM View: 2025_SSN-BG_Outliers_MW-22
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



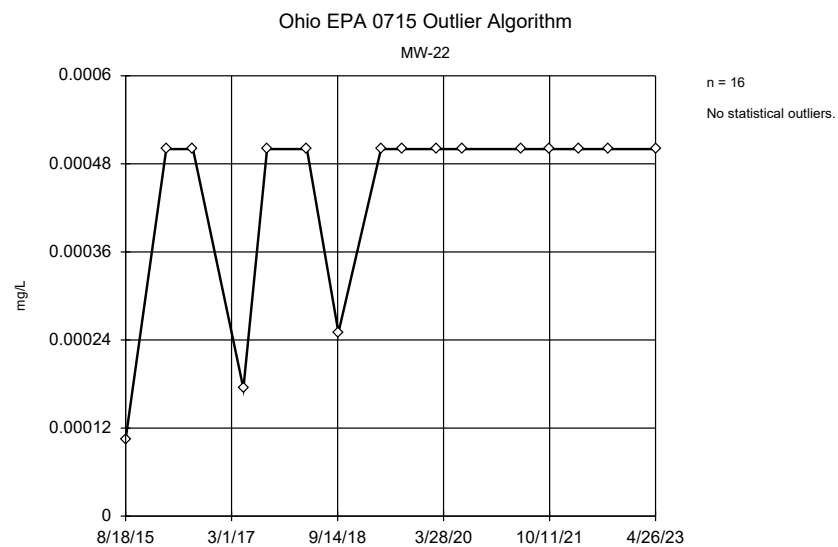
Constituent: Copper Analysis Run 9/29/2025 3:57 PM View: 2025_SSN-BG_Outliers_MW-22
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



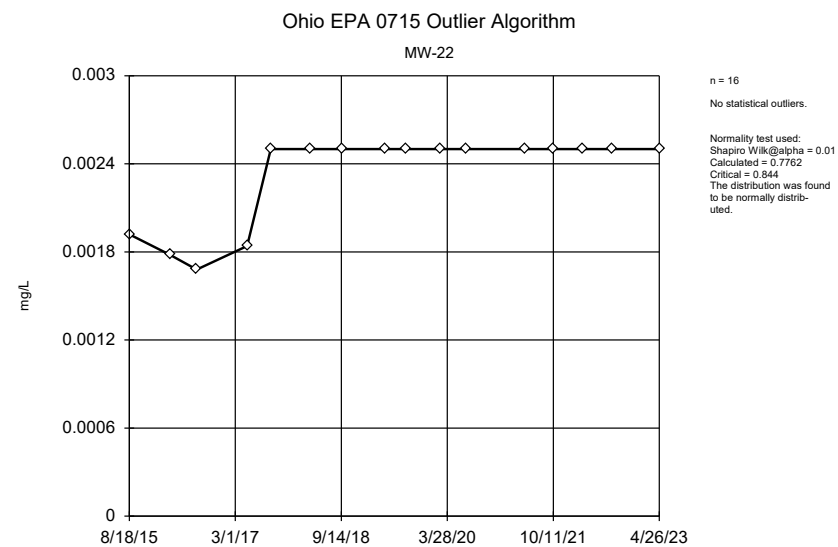
Constituent: Lead Analysis Run 9/29/2025 3:57 PM View: 2025_SSN-BG_Outliers_MW-22
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Selenium Analysis Run 9/29/2025 3:57 PM View: 2025_SSN-BG_Outliers_MW-22
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Silver Analysis Run 9/29/2025 3:57 PM View: 2025_SSN-BG_Outliers_MW-22
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

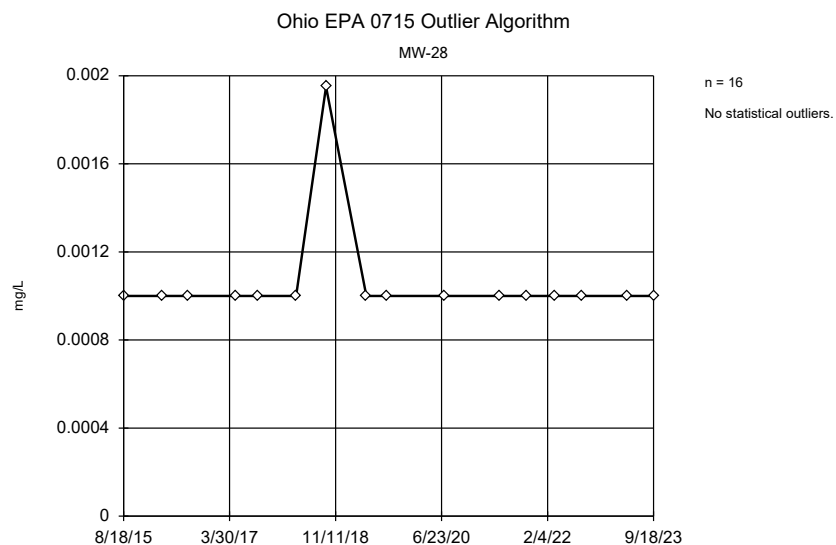


Constituent: Vanadium Analysis Run 9/29/2025 3:57 PM View: 2025_SSN-BG_Outliers_MW-22
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

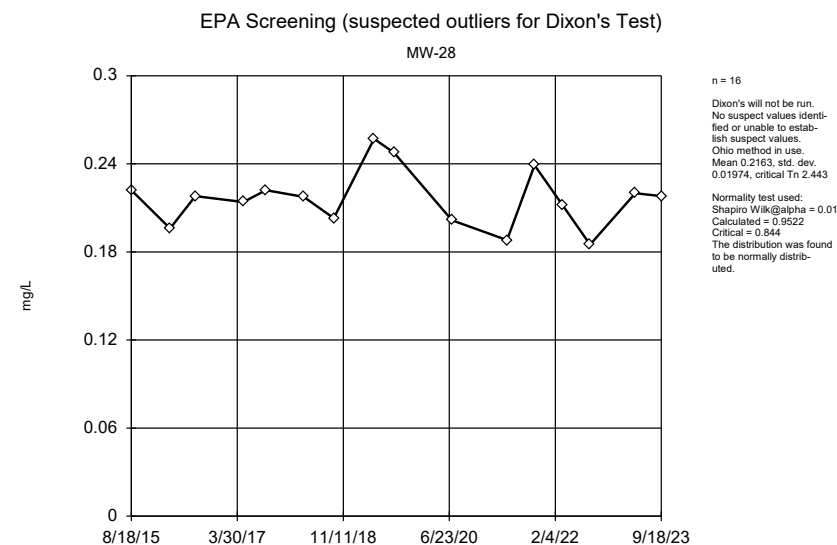
BG Outlier Analysis

Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 9/29/2025, 4:30 PM

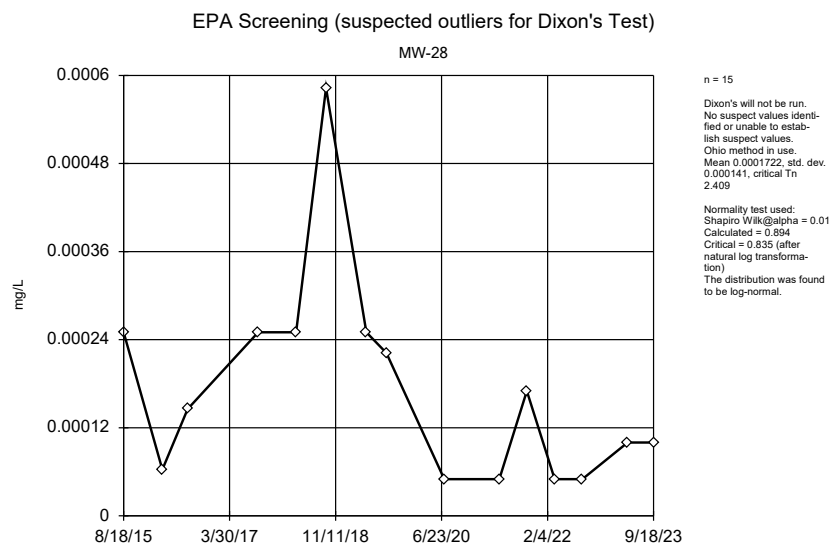
<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Arsenic (mg/L)	MW-28	No	n/a	n/a	OH	NaN	16	0.001059	0.0002375	n/a	n/a
Barium (mg/L)	MW-28	No	n/a	n/a	EPA/OH	0.05	16	0.2163	0.01974	normal	ShapiroWilk
Cadmium (mg/L)	MW-28	No	n/a	n/a	EPA/OH	0.05	15	0.0001722	0.000141	ln(x)	ShapiroWilk
Cobalt (mg/L)	MW-28	No	n/a	n/a	OH	NaN	16	0.0002225	0.0001083	n/a	n/a
Copper (mg/L)	MW-28	No	n/a	n/a	OH	NaN	16	0.00242	0.0005326	n/a	n/a
Lead (mg/L)	MW-28	No	n/a	n/a	OH	NaN	16	0.0002421	0.0000315	n/a	n/a
Nickel (mg/L)	MW-28	No	n/a	n/a	OH	NaN	16	0.002354	0.000528	n/a	n/a
Selenium (mg/L)	MW-28	No	n/a	n/a	OH	NaN	16	0.002157	0.0006301	n/a	n/a
Vanadium (mg/L)	MW-28	No	n/a	n/a	OH	NaN	16	0.002154	0.0007448	n/a	n/a



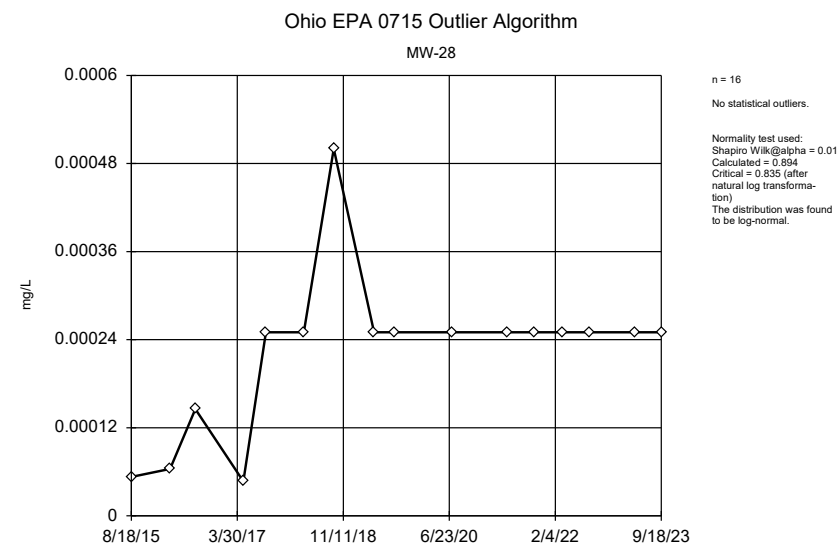
Constituent: Arsenic Analysis Run 9/29/2025 4:28 PM View: 2025_SSN-MW-28_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



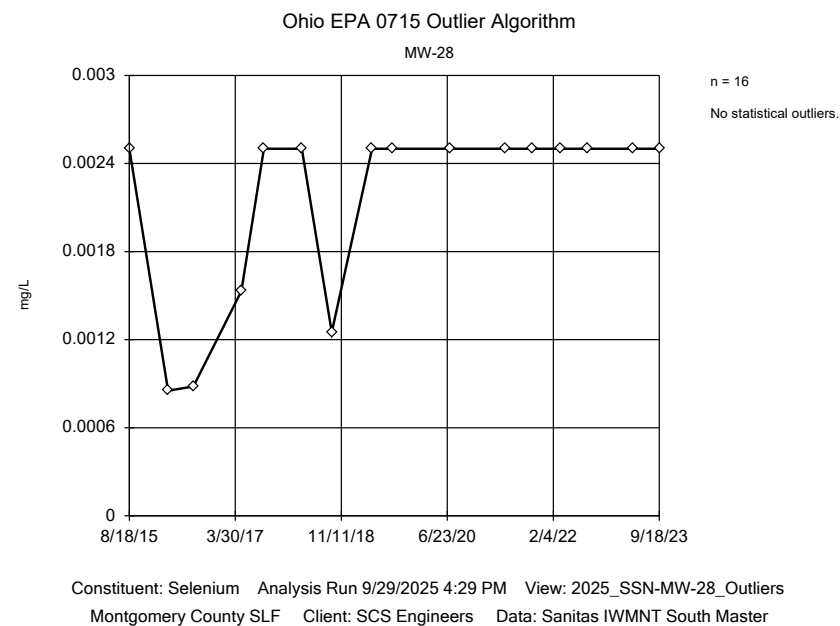
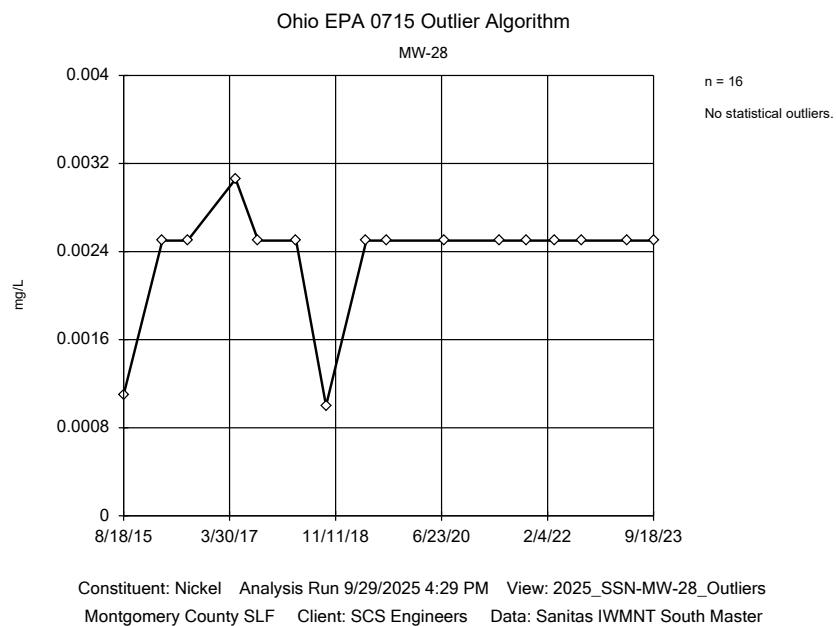
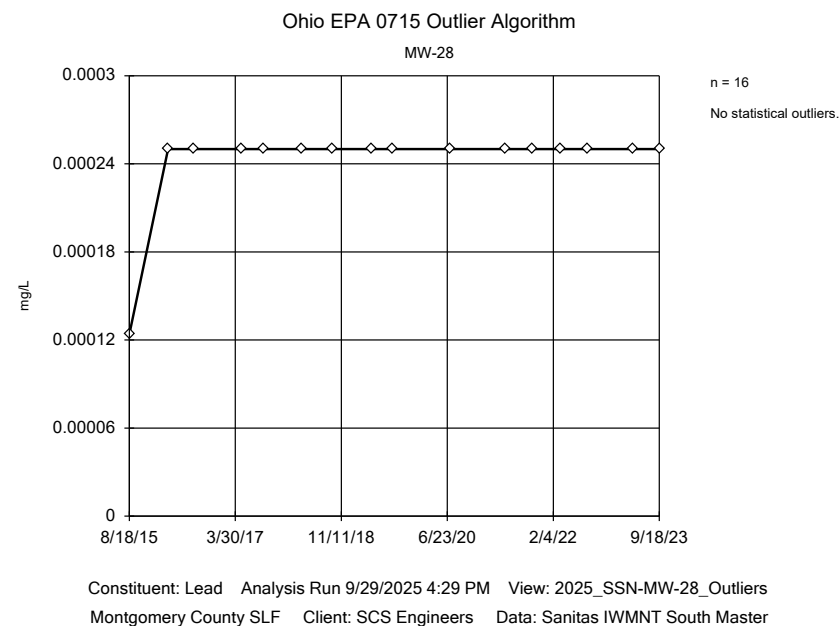
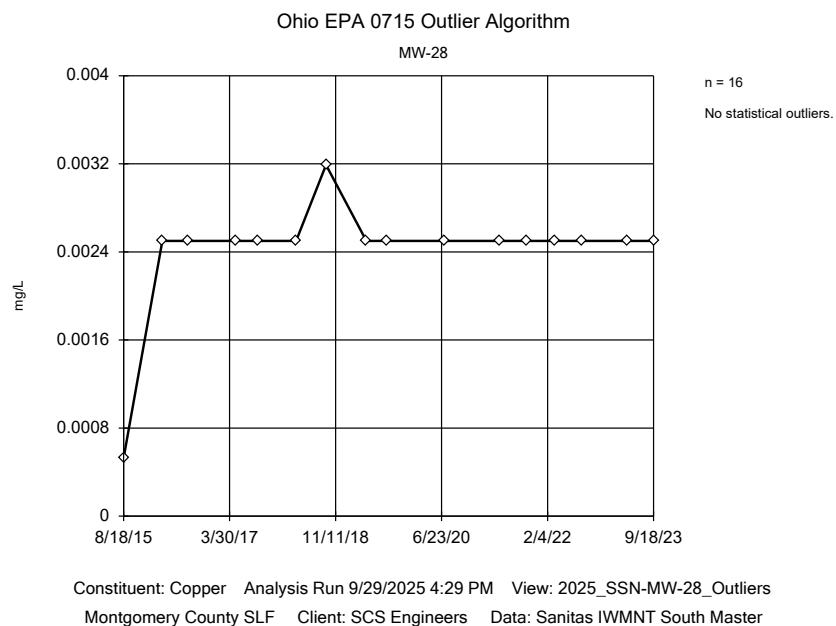
Constituent: Barium Analysis Run 9/29/2025 4:28 PM View: 2025_SSN-MW-28_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

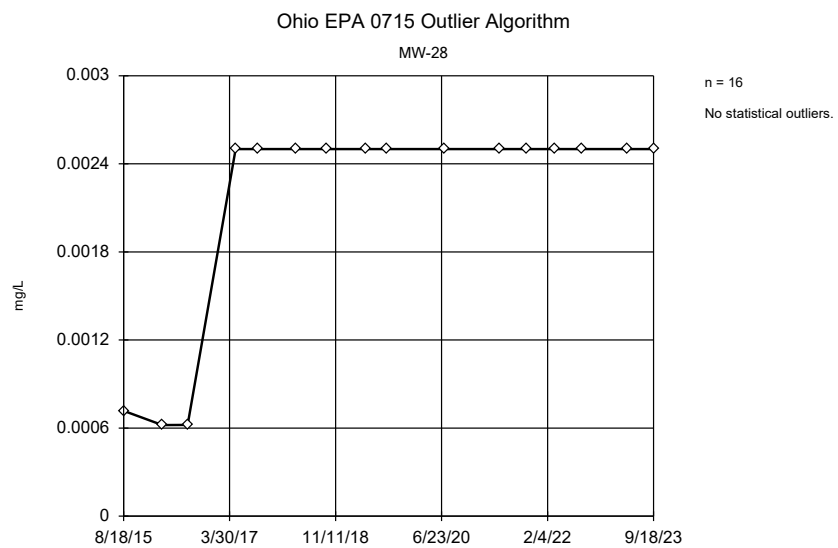


Constituent: Cadmium Analysis Run 9/29/2025 4:28 PM View: 2025_SSN-MW-28_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Cobalt Analysis Run 9/29/2025 4:28 PM View: 2025_SSN-MW-28_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master





Constituent: Vanadium Analysis Run 9/29/2025 4:29 PM View: 2025_SSN-MW-28_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

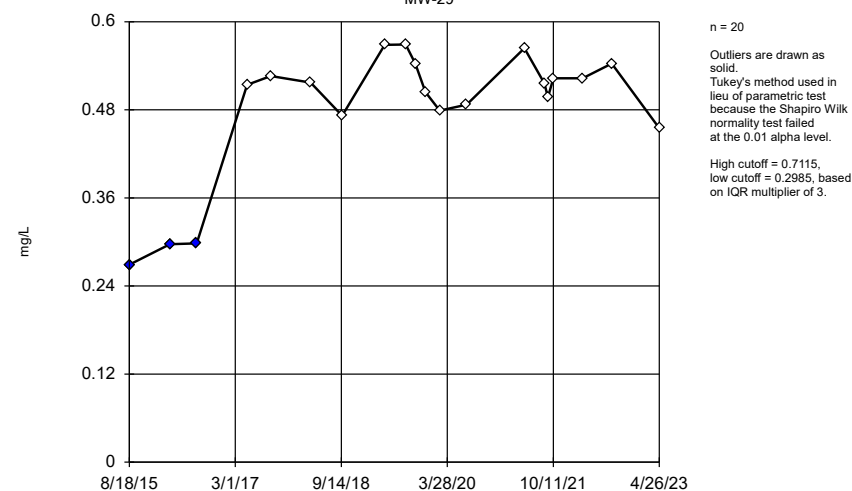
BG Outlier Analysis

Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 9/30/2025, 2:52 PM

<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Arsenic (mg/L)	MW-29	No	n/a	n/a	OH	NaN	16	0.001046	0.0001825	n/a	n/a
Barium (mg/L)	MW-29	Yes	0.269,0.297,0.298	8/18/2015,3/21/2016,8/9/2016	NP (nrm)/OH	NaN	20	0.4832	0.08971	unknown	ShapiroWilk
Cadmium (mg/L)	MW-29	No	n/a	n/a	OH	NaN	17	0.0001944	0.000193	n/a	n/a
Chromium (mg/L)	MW-29	No	n/a	n/a	OH	NaN	16	0.002489	0.000045	n/a	n/a
Cobalt (mg/L)	MW-29	Yes	0.000118,0.000041,0.0000645,0.0005,0.000569	3/21/2016,8/9/2016,5/3/2017,9/19/2018,8/17/2022	NP (nrm)/OH	NaN	17	0.0002502	0.0001278	unknown	ShapiroWilk
Copper (mg/L)	MW-29	No	n/a	n/a	OH	NaN	16	0.002316	0.0005039	n/a	n/a
Lead (mg/L)	MW-29	No	n/a	n/a	OH	NaN	16	0.0002675	0.00006094	n/a	n/a
Nickel (mg/L)	MW-29	No	n/a	n/a	OH	NaN	16	0.002365	0.0003305	n/a	n/a
Selenium (mg/L)	MW-29	No	n/a	n/a	OH	NaN	16	0.002641	0.0006895	n/a	n/a
Silver (mg/L)	MW-29	No	n/a	n/a	OH	NaN	16	0.0004726	0.00007573	n/a	n/a
Vanadium (mg/L)	MW-29	No	n/a	n/a	OH	NaN	16	0.002188	0.0006929	n/a	n/a

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

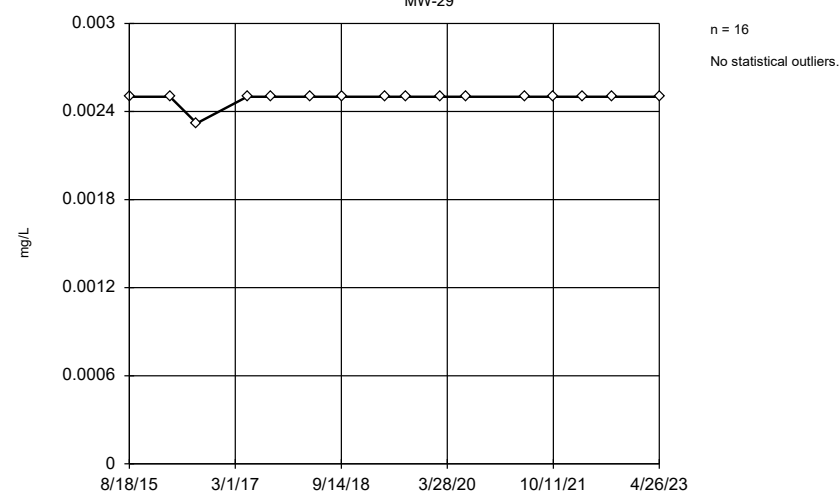
MW-29



Constituent: Barium Analysis Run 9/30/2025 2:49 PM View: 2025_SSN-MW-29_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

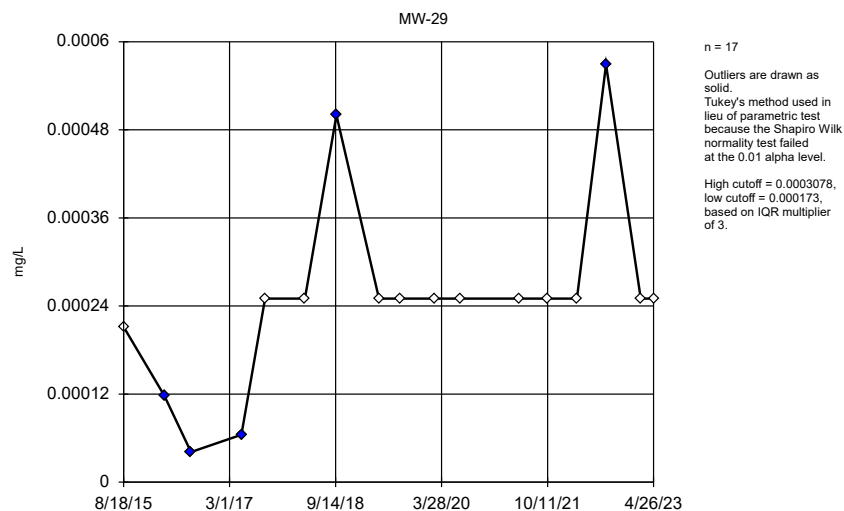
Ohio EPA 0715 Outlier Algorithm

MW-29



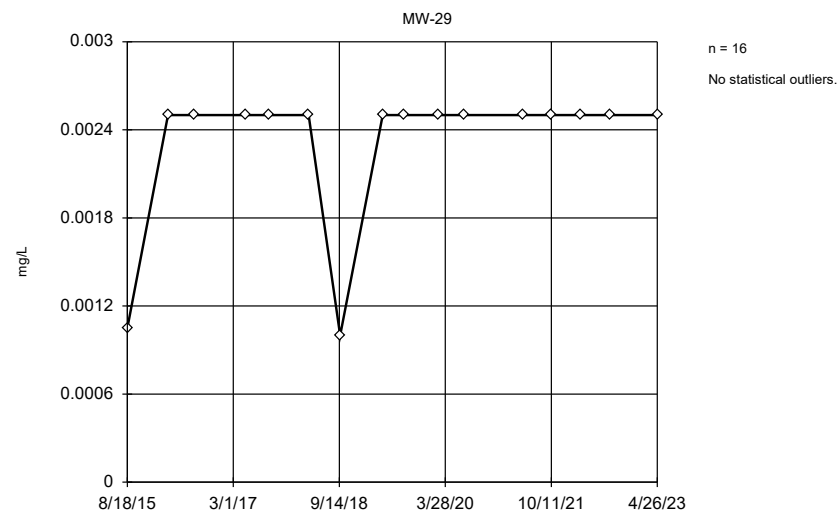
Constituent: Chromium Analysis Run 9/30/2025 2:49 PM View: 2025_SSN-MW-29_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



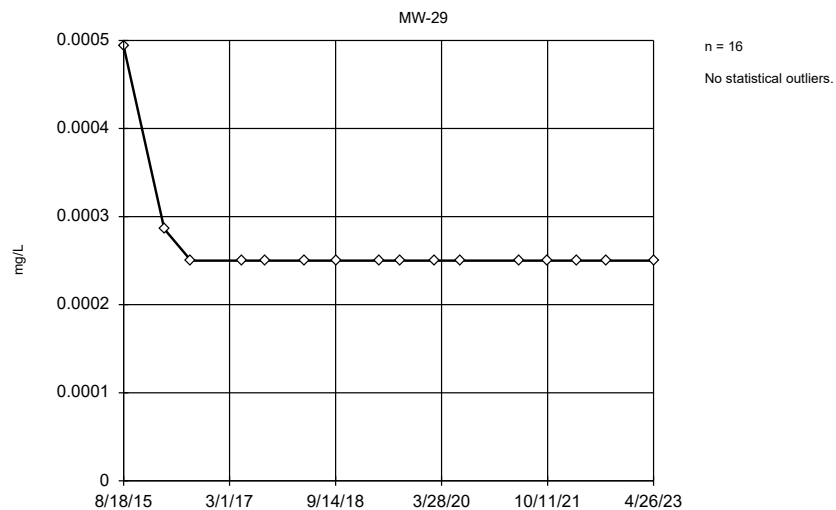
Constituent: Cobalt Analysis Run 9/30/2025 2:49 PM View: 2025_SSN-MW-29_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm



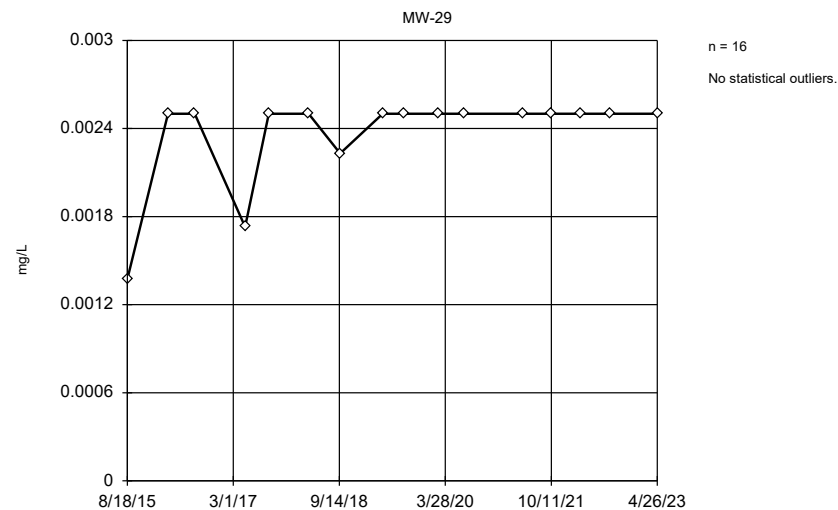
Constituent: Copper Analysis Run 9/30/2025 2:49 PM View: 2025_SSN-MW-29_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm

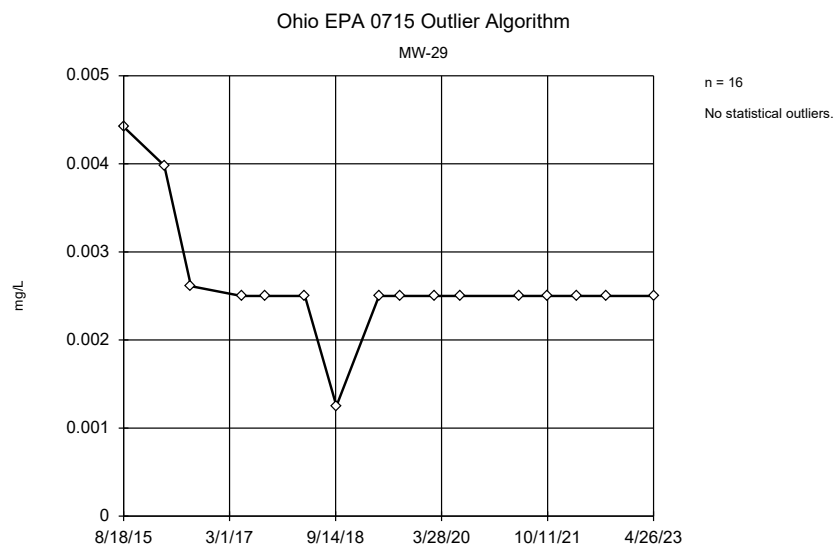


Constituent: Lead Analysis Run 9/30/2025 2:49 PM View: 2025_SSN-MW-29_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

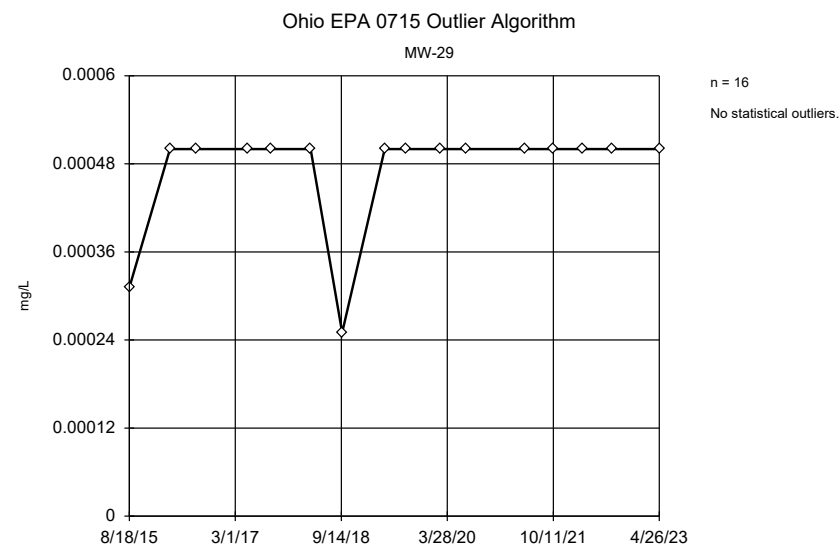
Ohio EPA 0715 Outlier Algorithm



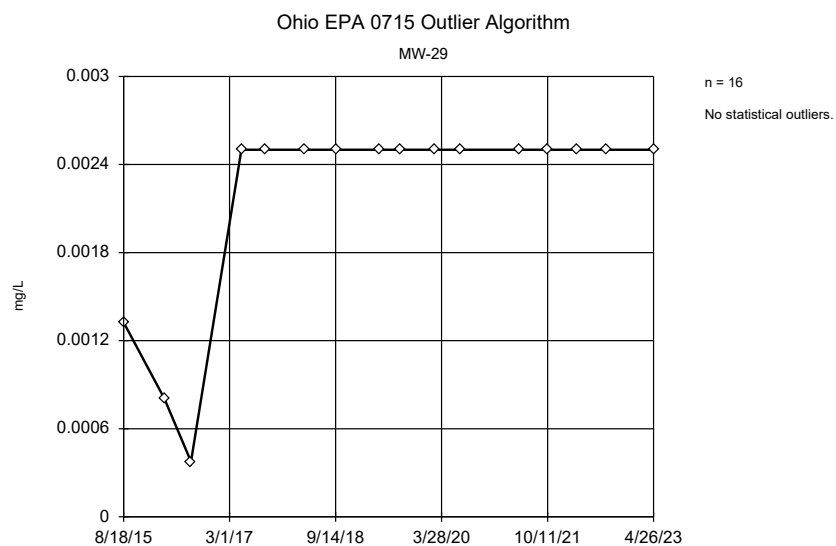
Constituent: Nickel Analysis Run 9/30/2025 2:49 PM View: 2025_SSN-MW-29_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Selenium Analysis Run 9/30/2025 2:49 PM View: 2025_SSN-MW-29_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Silver Analysis Run 9/30/2025 2:49 PM View: 2025_SSN-MW-29_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Vanadium Analysis Run 9/30/2025 2:49 PM View: 2025_SSN-MW-29_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

GU-1 BGUpdate Outlier Analysis

Montgomery County SLF

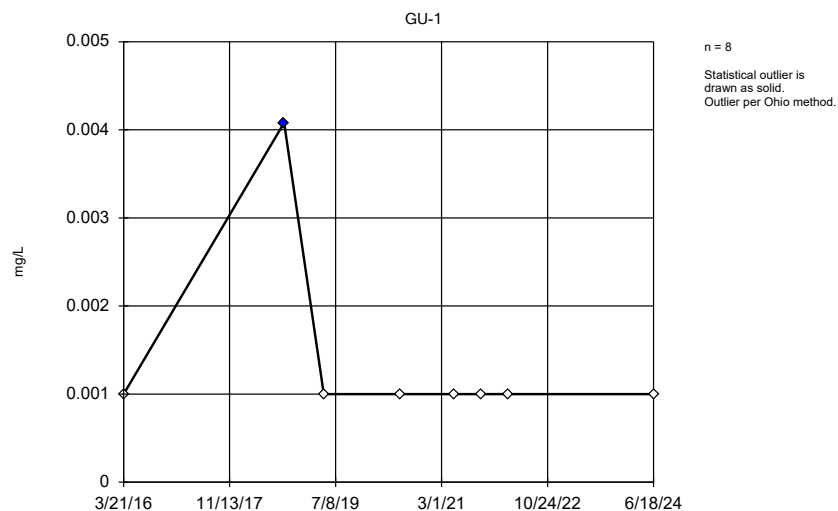
Client: SCS Engineers

Data: Sanitas IWMNT South Master

Printed 10/1/2025, 5:09 PM

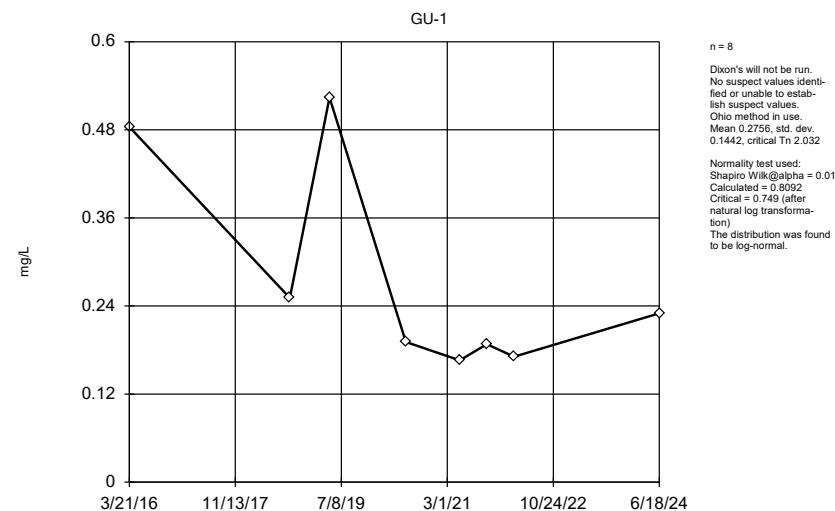
<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Arsenic (mg/L)	GU-1	Yes	0.00408	9/19/2018	OH	NaN	8	0.001385	0.001089	n/a	n/a
Barium (mg/L)	GU-1	No	n/a	n/a	EPA/OH	0.05	8	0.2756	0.1442	ln(x)	ShapiroWilk
Cadmium (mg/L)	GU-1	Yes	0.00025,0.00025	9/19/2018,5/2/2019	OH	NaN	8	0.0001088	0.00008887	n/a	n/a
Chromium (mg/L)	GU-1	Yes	0.00535	9/19/2018	OH	NaN	8	0.002856	0.001008	n/a	n/a
Cobalt (mg/L)	GU-1	No	n/a	n/a	NP (nrm)/OH	NaN	8	0.0006426	0.000747	unknown	ShapiroWilk
Copper (mg/L)	GU-1	No	n/a	n/a	OH	NaN	8	0.002806	0.0008662	n/a	n/a
Lead (mg/L)	GU-1	Yes	0.00114	9/19/2018	OH	NaN	8	0.0003613	0.0003147	n/a	n/a
Nickel (mg/L)	GU-1	No	n/a	n/a	NP (nrm)/OH	NaN	8	0.003606	0.001922	unknown	ShapiroWilk
Vanadium (mg/L)	GU-1	No	n/a	n/a	OH	NaN	8	0.003189	0.002437	n/a	n/a

Ohio EPA 0715 Outlier Algorithm



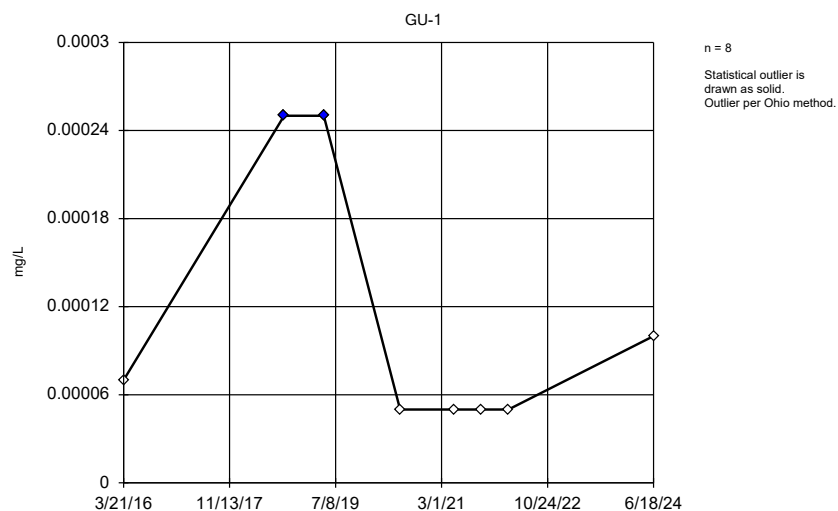
Constituent: Arsenic Analysis Run 10/1/2025 5:06 PM View: 2025_SSN-GU-1_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

EPA Screening (suspected outliers for Dixon's Test)



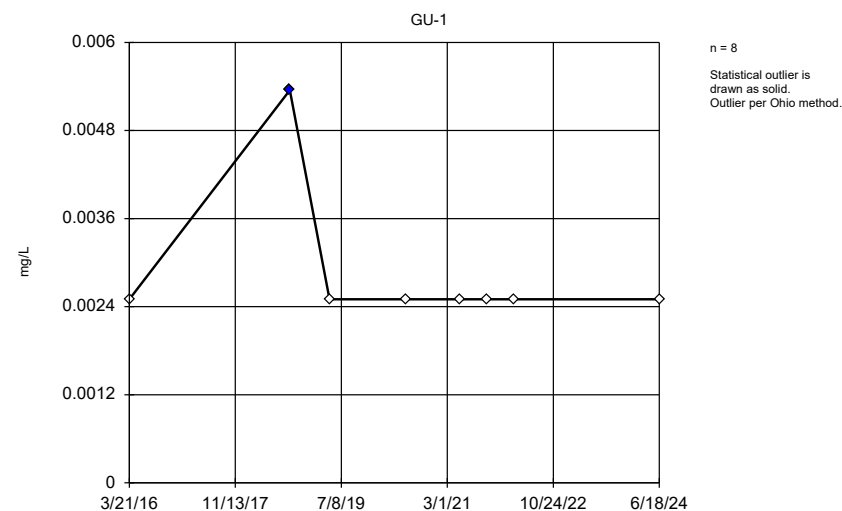
Constituent: Barium Analysis Run 10/1/2025 5:06 PM View: 2025_SSN-GU-1_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm



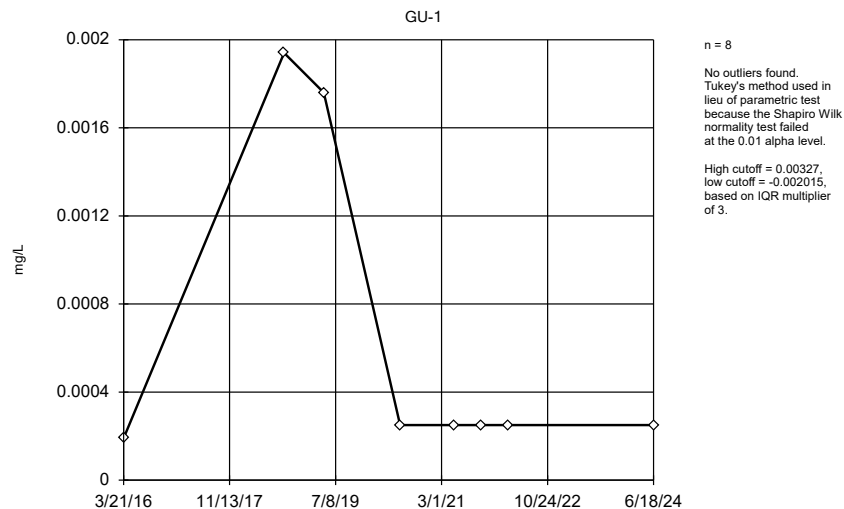
Constituent: Cadmium Analysis Run 10/1/2025 5:06 PM View: 2025_SSN-GU-1_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm



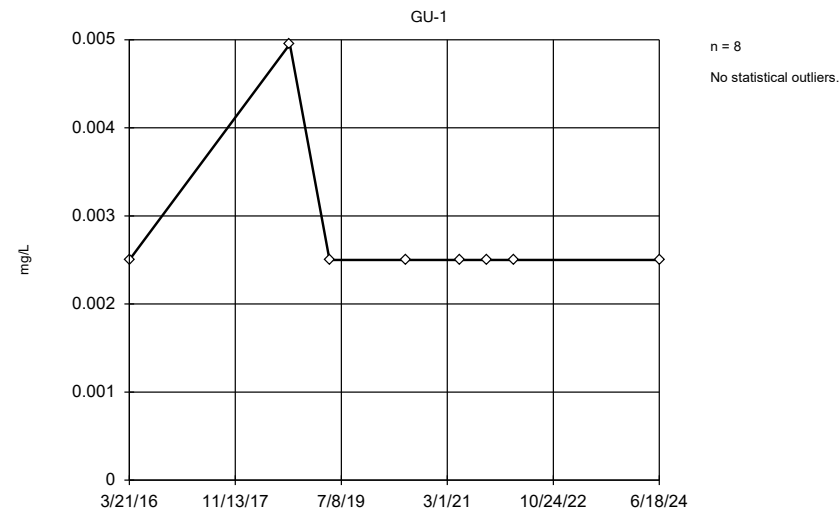
Constituent: Chromium Analysis Run 10/1/2025 5:06 PM View: 2025_SSN-GU-1_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



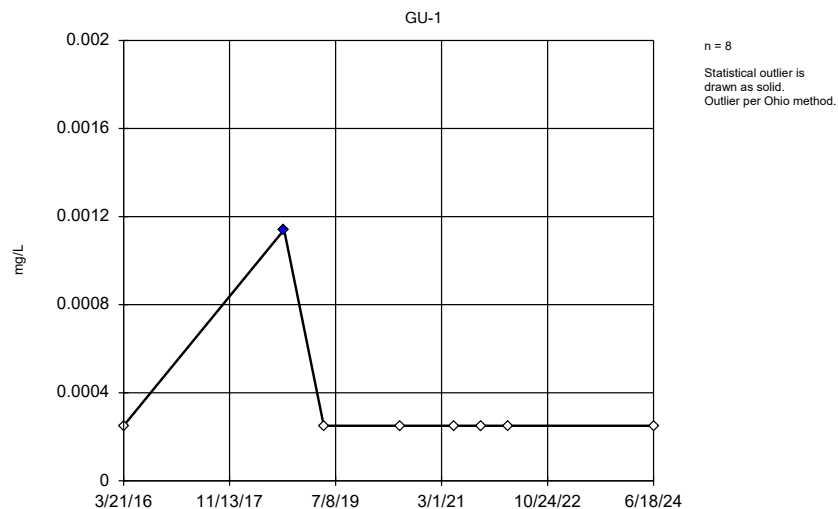
Constituent: Cobalt Analysis Run 10/1/2025 5:06 PM View: 2025_SSN-GU-1_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm



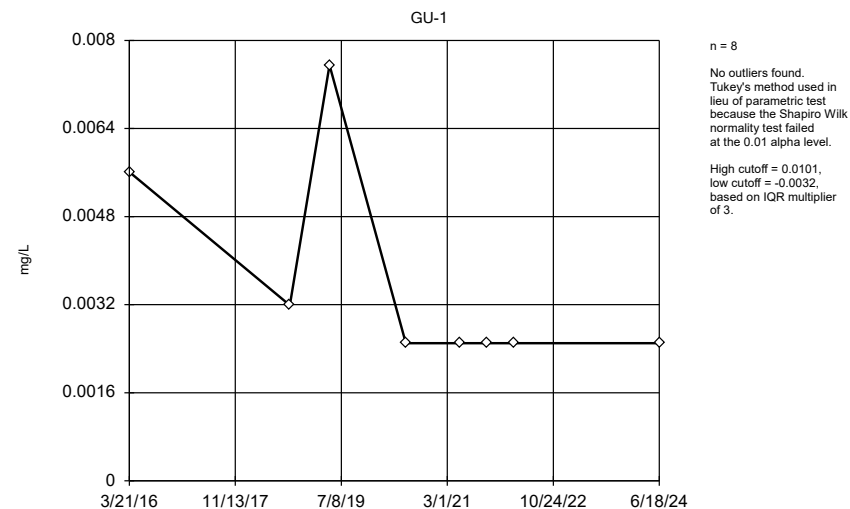
Constituent: Copper Analysis Run 10/1/2025 5:06 PM View: 2025_SSN-GU-1_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm

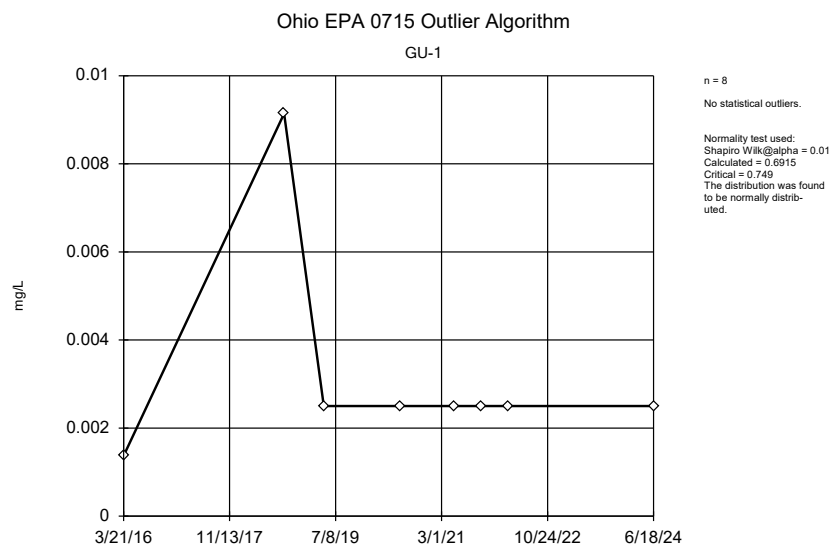


Constituent: Lead Analysis Run 10/1/2025 5:06 PM View: 2025_SSN-GU-1_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



Constituent: Nickel Analysis Run 10/1/2025 5:06 PM View: 2025_SSN-GU-1_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Vanadium Analysis Run 10/1/2025 5:07 PM View: 2025_SSN-GU-1_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

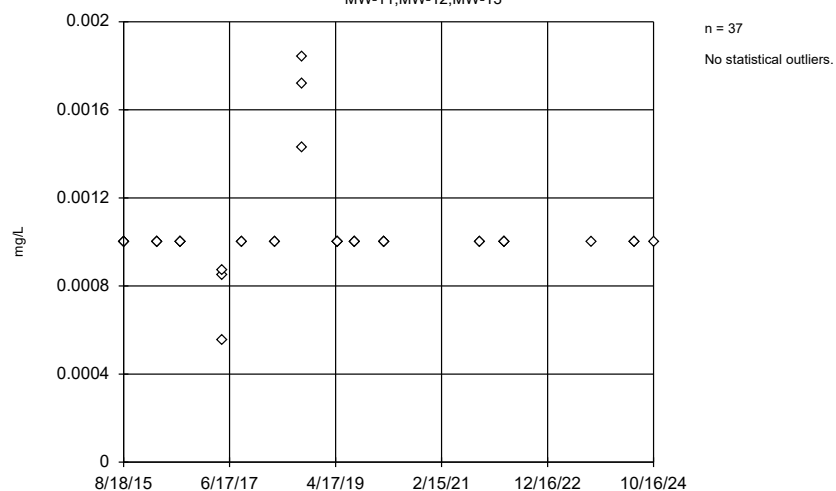
BG Outlier Analysis

Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master Printed 9/18/2025, 11:44 AM

<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Arsenic (mg/L)	MW-11,MW-12,MW-13	No	n/a	n/a w/combined bg	OH	NaN	37	0.001034	0.0002111	n/a	n/a
Barium (mg/L)	MW-11,MW-12,MW-13	Yes	0.385	n/a w/combined bg	Rosner/OH	0.01	37	0.2199	0.04045	normal	ShapiroWilk
Cadmium (mg/L)	MW-11,MW-12,MW-13	No	n/a	n/a w/combined bg	OH	NaN	37	0.0001851	0.00008631	n/a	n/a
Cobalt (mg/L)	MW-11,MW-12,MW-13	Yes	0.00166	n/a w/combined bg	OH	NaN	37	0.0003053	0.000262	n/a	n/a
Copper (mg/L)	MW-11,MW-12,MW-13	No	n/a	n/a w/combined bg	OH	NaN	37	0.002239	0.0005553	n/a	n/a
Lead (mg/L)	MW-11,MW-12,MW-13	Yes	0.00267,0.00122	n/a w/combined bg	OH	NaN	37	0.0003456	0.0004314	n/a	n/a
Nickel (mg/L)	MW-11,MW-12,MW-13	No	n/a	n/a w/combined bg	OH	NaN	37	0.002263	0.0005876	n/a	n/a
Selenium (mg/L)	MW-11,MW-12,MW-13	No	n/a	n/a w/combined bg	OH	NaN	37	0.002374	0.0005943	n/a	n/a
Zinc (mg/L)	MW-11,MW-12,MW-13	No	n/a	n/a w/combined bg	OH	NaN	37	0.009532	0.003575	n/a	n/a

Ohio EPA 0715 Outlier Algorithm, Pooled Background

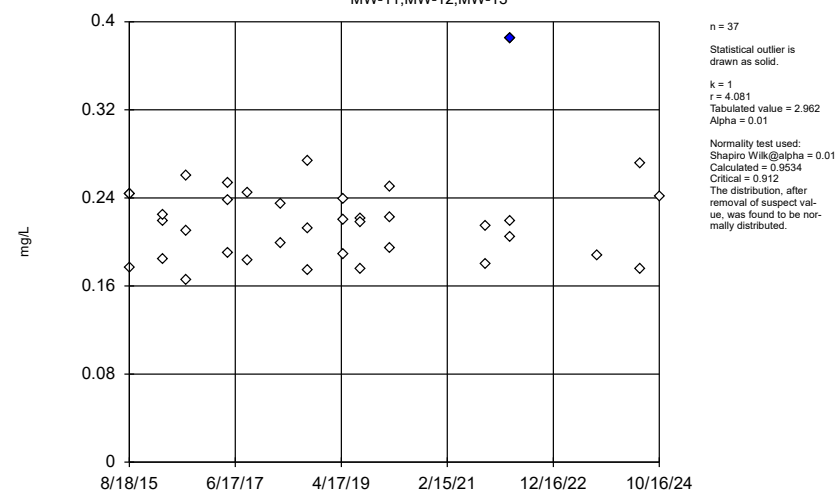
MW-11,MW-12,MW-13



Constituent: Arsenic Analysis Run 9/18/2025 11:39 AM View: 2025_SSN-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Rosner's Outlier Test / Ohio EPA 0715 Outlier Algorithm, Pooled Background

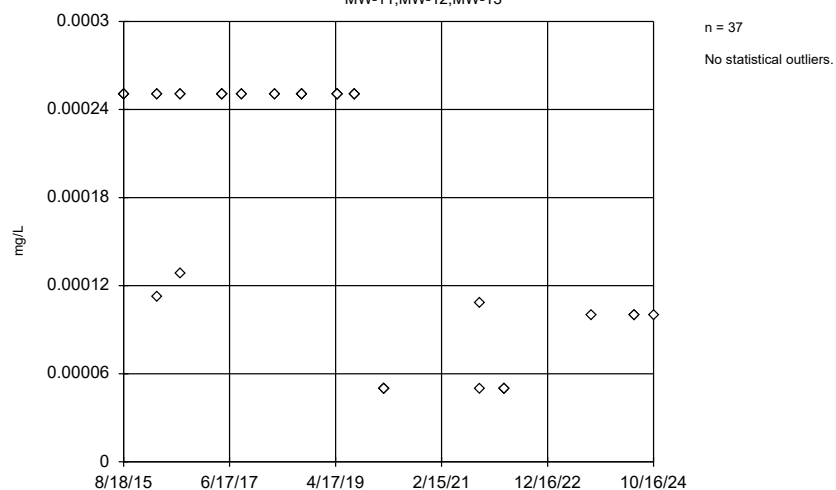
MW-11,MW-12,MW-13



Constituent: Barium Analysis Run 9/18/2025 11:39 AM View: 2025_SSN-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background

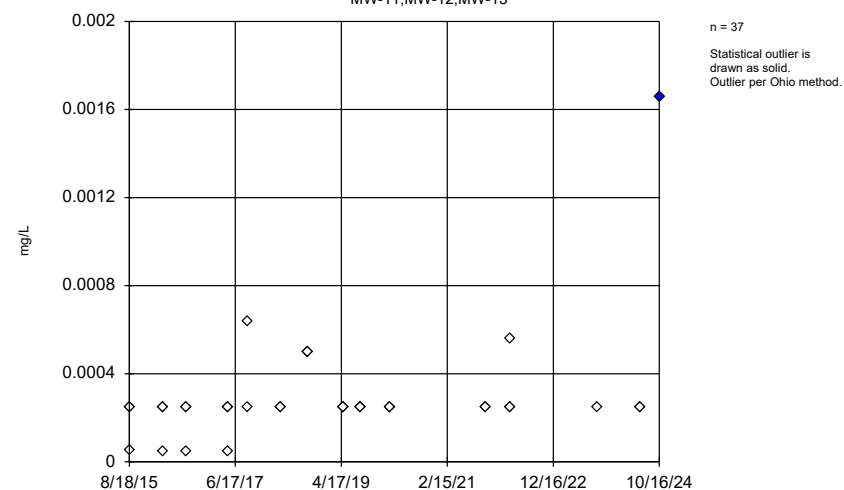
MW-11,MW-12,MW-13



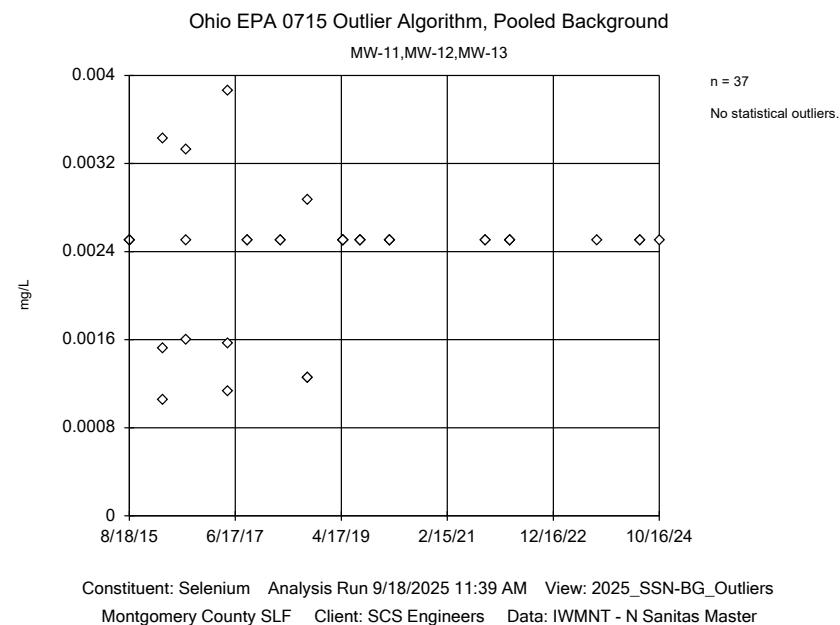
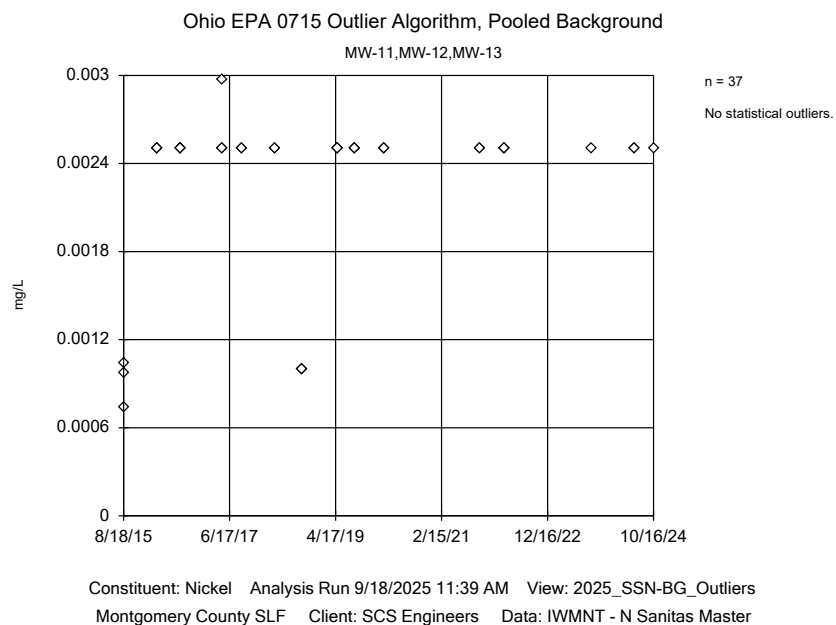
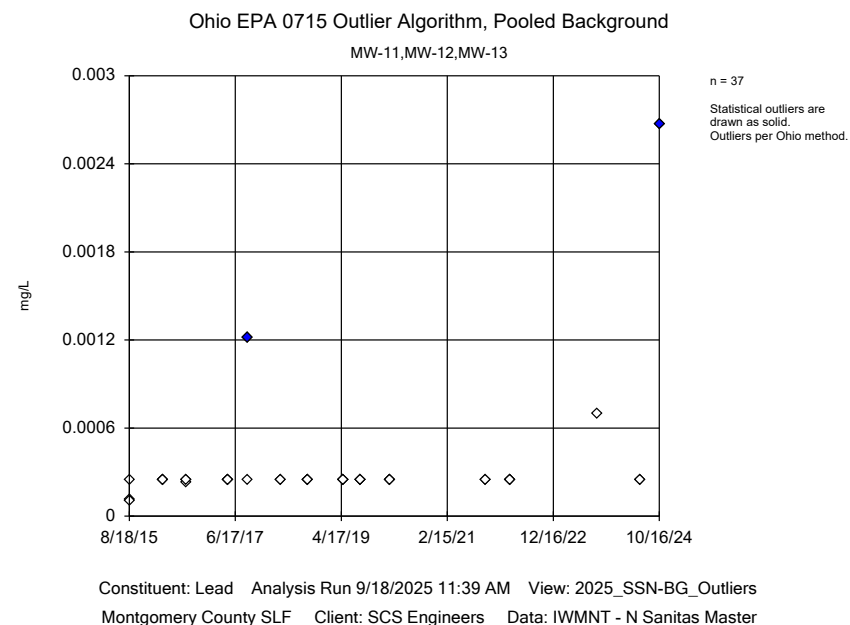
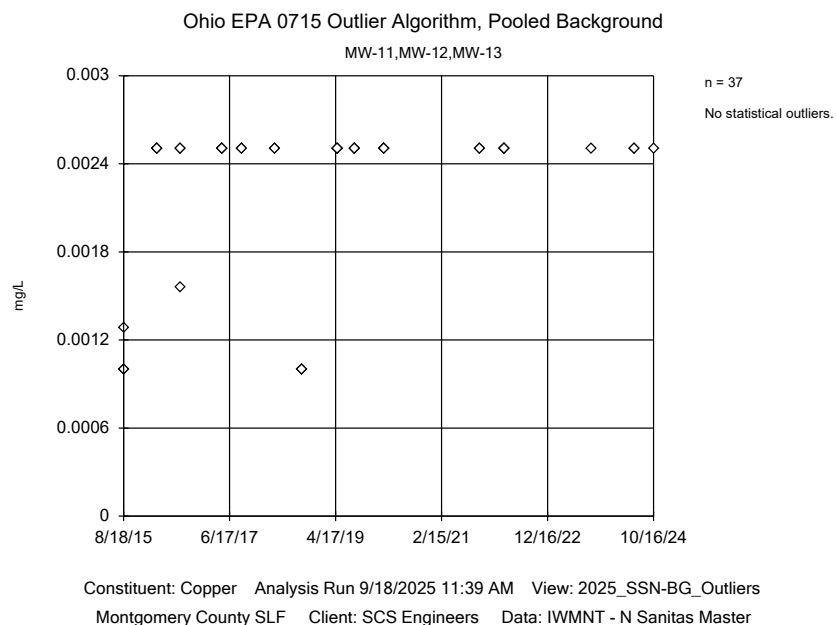
Constituent: Cadmium Analysis Run 9/18/2025 11:39 AM View: 2025_SSN-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-11,MW-12,MW-13

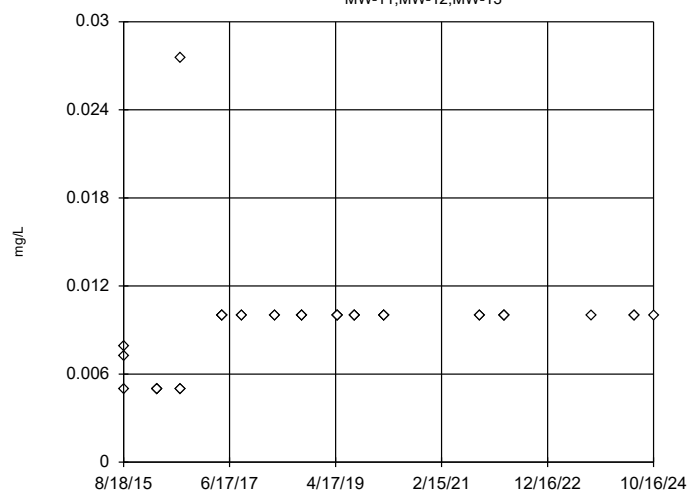


Constituent: Cobalt Analysis Run 9/18/2025 11:39 AM View: 2025_SSN-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master



Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-11,MW-12,MW-13



n = 37

No statistical outliers.

Constituent: Zinc Analysis Run 9/18/2025 11:39 AM View: 2025_SSN-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Interwell Prediction Limits Table and Graphs

Prediction Limit

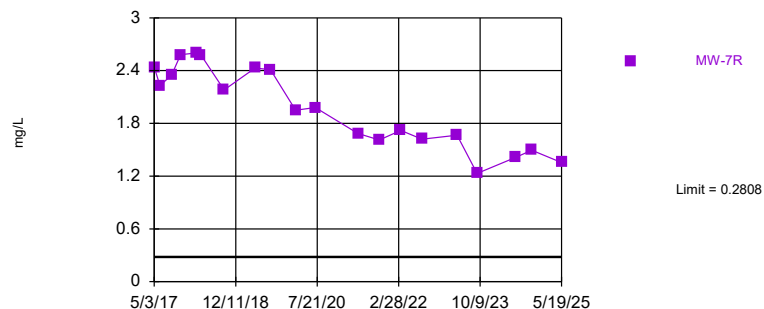
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master Printed 9/18/2025, 12:34 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Wells</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	MW-7R	0.2808	n/a	5/19/2025	1.355	Yes	37	MW-11,MW-12,MW-13	0.6017	0.03454	0	None	x^(1/3)	0.000532	Param Inter 1 of 3
Cobalt (mg/L)	MW-7R	0.00166	n/a	5/19/2025	0.00213	Yes	37	MW-13,MW-12,MW-11	n/a	n/a	81.08	n/a	n/a	0.0001018	NP Inter (NDs) 1 of 3
Nickel (mg/L)	MW-7R	0.00297	n/a	5/19/2025	0.128	Yes	37	MW-11,MW-12,MW-13	n/a	n/a	89.19	n/a	n/a	0.0001018	NP Inter (NDs) 1 of 3

Exceeds Limit: MW-7R

Prediction Limit

Interwell Parametric



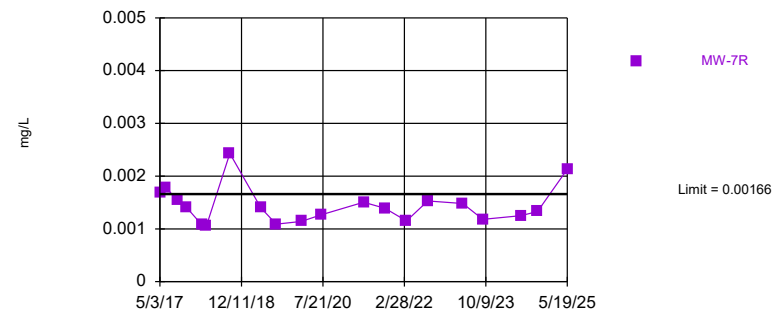
Background Data Summary (based on cube root transformation): Mean=0.6017, Std. Dev.=0.03454, n=37.
 Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9154, critical = 0.914. Kappa = 1.54 (c=9, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.005836. Individual comparison alpha = 0.000532. Assumes 10 future values.

Constituent: Barium Analysis Run 9/18/2025 12:33 PM View: 2025_SSN-CA_Interwell_PL
 Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Exceeds Limit: MW-7R

Prediction Limit

Interwell Non-parametric



Intrawell Prediction Limits Table and Graphs

MW-22 IntraPrediction Limit

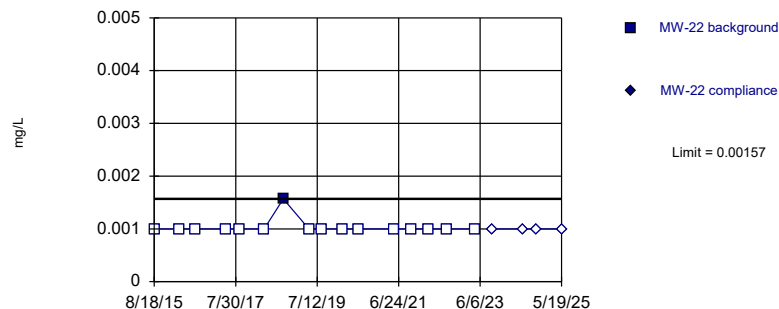
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 9/29/2025, 4:10 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Wells</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	MW-22	0.00157	n/a	5/19/2025	0.001ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Barium (mg/L)	MW-22	0.3189	n/a	5/19/2025	0.255	No	16	n/a	0.2566	0.03766	0	None	No	0.0008776	Param Intra 1 of 3
Cadmium (mg/L)	MW-22	0.000324	n/a	5/19/2025	0.0001ND	No	16	n/a	n/a	n/a	68.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Chromium (mg/L)	MW-22	0.0025	n/a	5/19/2025	0.0025ND	No	16	n/a	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	MW-22	0.0005	n/a	5/19/2025	0.00025ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	MW-22	0.0025	n/a	5/19/2025	0.0025ND	No	16	n/a	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	MW-22	0.00025	n/a	5/19/2025	0.00025ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	MW-22	0.0025	n/a	5/19/2025	0.0025ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Silver (mg/L)	MW-22	0.0005	n/a	5/19/2025	0.0005ND	No	16	n/a	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	MW-22	0.0025	n/a	5/19/2025	0.0025ND	No	16	n/a	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3

Within Limit

Prediction Limit

Intrawell Non-parametric



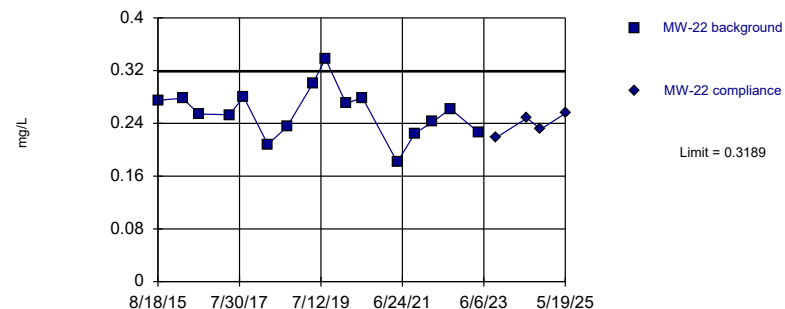
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 9/29/2025 4:06 PM View: 2025_SSN-MW-22_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Parametric



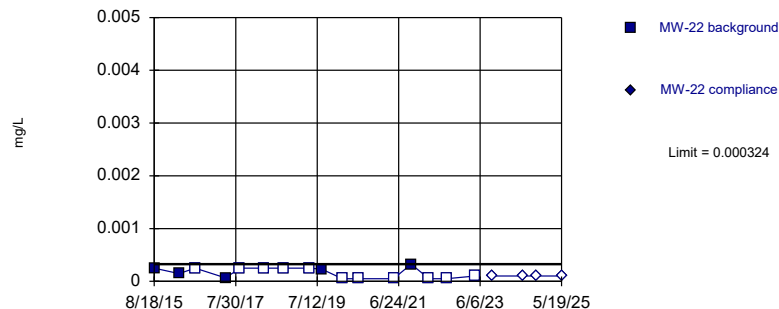
Background Data Summary: Mean=0.2566, Std. Dev.=0.03766, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9813, critical = 0.844. Kappa = 1.653 (c=10, w=6, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008776.

Constituent: Barium Analysis Run 9/29/2025 4:06 PM View: 2025_SSN-MW-22_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



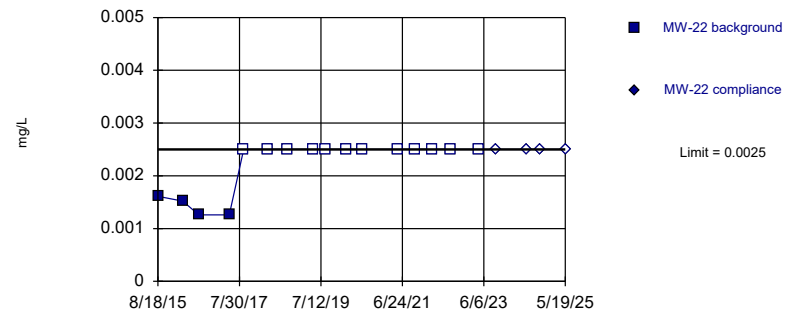
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 9/29/2025 4:06 PM View: 2025_SSN-MW-22_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



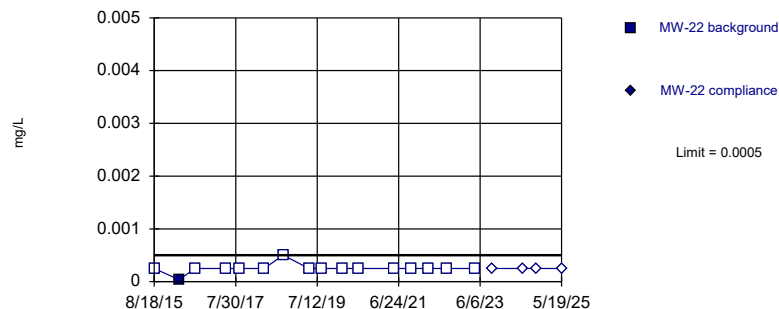
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Chromium Analysis Run 9/29/2025 4:06 PM View: 2025_SSN-MW-22_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



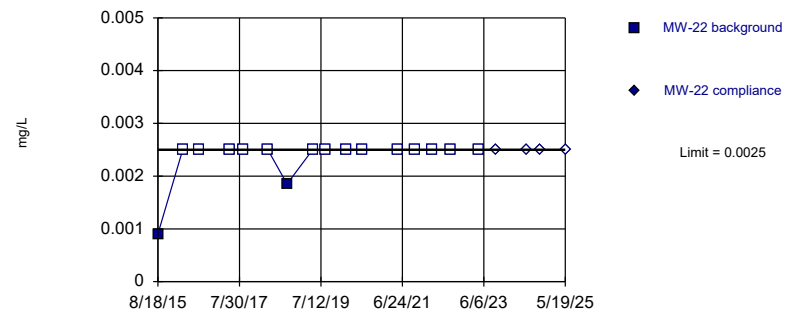
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cobalt Analysis Run 9/29/2025 4:06 PM View: 2025_SSN-MW-22_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



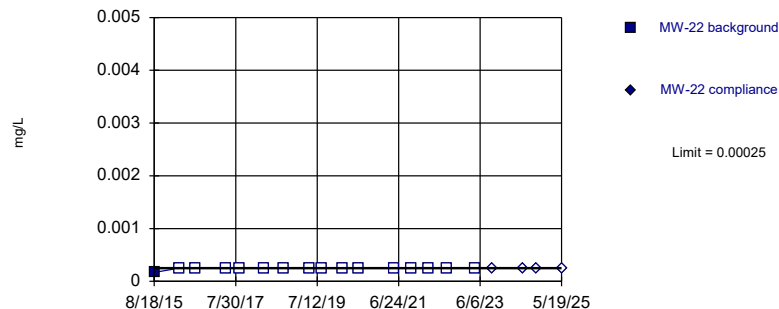
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Copper Analysis Run 9/29/2025 4:06 PM View: 2025_SSN-MW-22_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



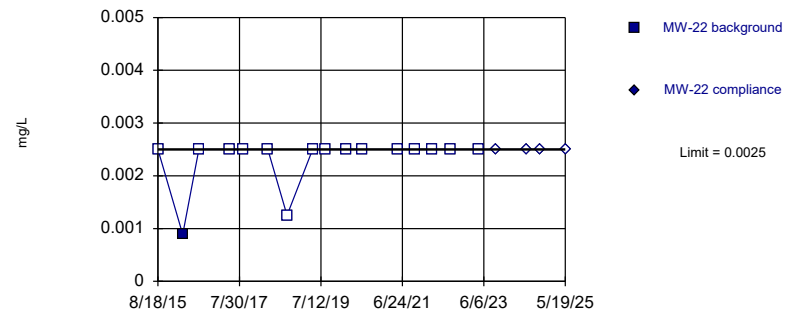
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 9/29/2025 4:06 PM View: 2025_SSN-MW-22_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric

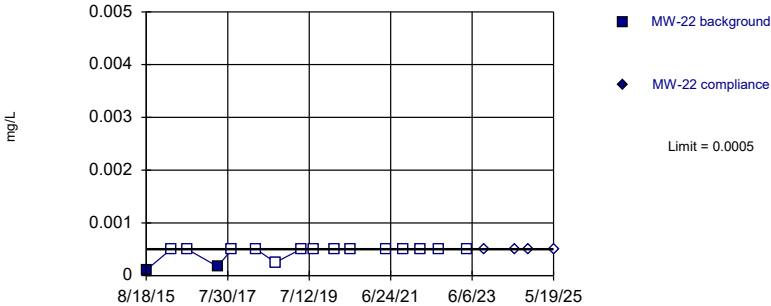


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 9/29/2025 4:06 PM View: 2025_SSN-MW-22_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit
Intrawell Non-parametric

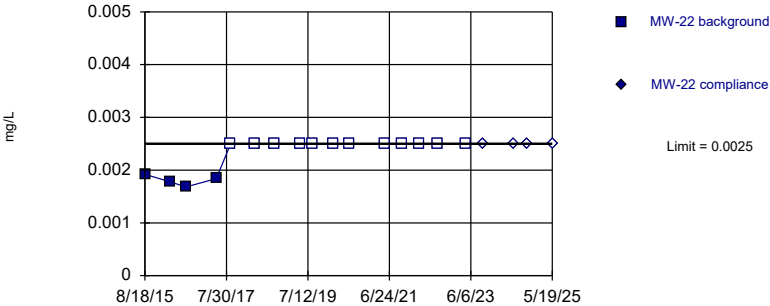


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Silver Analysis Run 9/29/2025 4:06 PM View: 2025_SSN-MW-22_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Vanadium Analysis Run 9/29/2025 4:06 PM View: 2025_SSN-MW-22_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

MW-28 IntraPrediction Limit

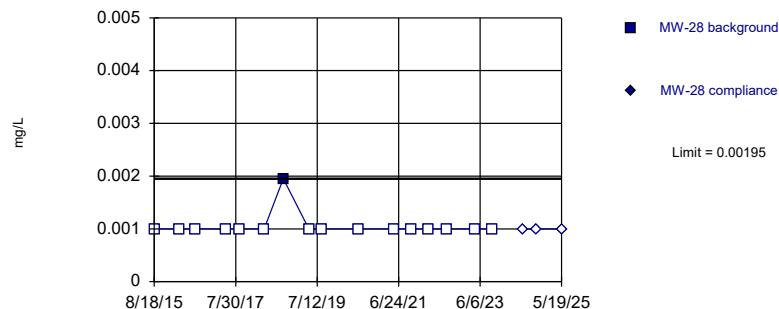
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 9/29/2025, 4:33 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Wells</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	MW-28	0.00195	n/a	5/19/2025	0.001ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Barium (mg/L)	MW-28	0.2481	n/a	5/19/2025	0.24	No	16	n/a	0.2163	0.01974	0	None	No	0.0009751	Param Intra 1 of 3
Cadmium (mg/L)	MW-28	0.000583	n/a	5/19/2025	0.0001ND	No	15	n/a	n/a	n/a	66.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	MW-28	0.0005	n/a	5/19/2025	0.00025ND	No	16	n/a	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	MW-28	0.00319	n/a	5/19/2025	0.0025ND	No	16	n/a	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	MW-28	0.00025	n/a	5/19/2025	0.00025ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	MW-28	0.00306	n/a	5/19/2025	0.0025ND	No	16	n/a	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	MW-28	0.0025	n/a	5/19/2025	0.0025ND	No	16	n/a	n/a	n/a	81.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	MW-28	0.0025	n/a	5/19/2025	0.0025ND	No	16	n/a	n/a	n/a	81.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3

Within Limit

Prediction Limit

Intrawell Non-parametric



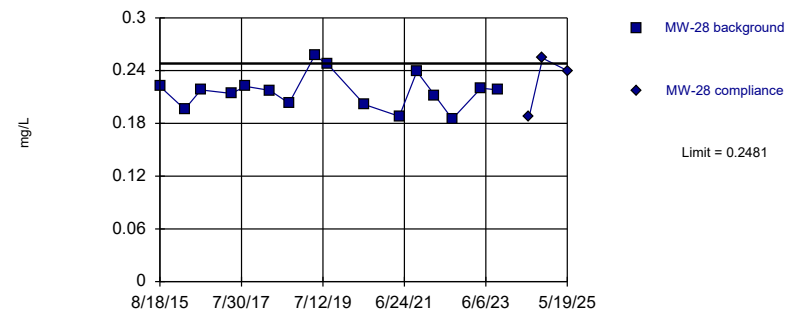
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 9/29/2025 4:32 PM View: 2025_SSN-MW-28_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Parametric



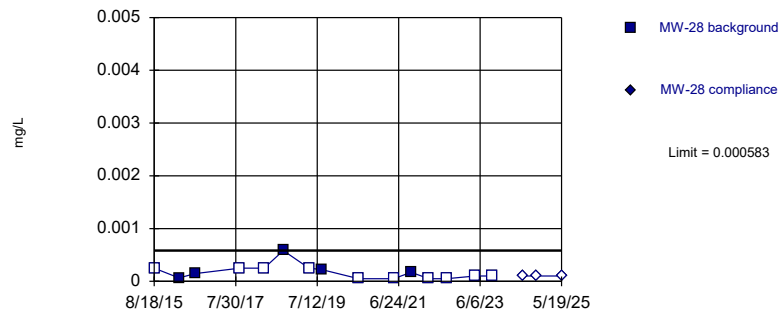
Background Data Summary: Mean=0.2163, Std. Dev.=0.01974, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9522, critical = 0.844. Kappa = 1.614 (c=9, w=6, 1 of 3, event alpha = 0.05132). Report alpha = 0.0009751.

Constituent: Barium Analysis Run 9/29/2025 4:32 PM View: 2025_SSN-MW-28_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



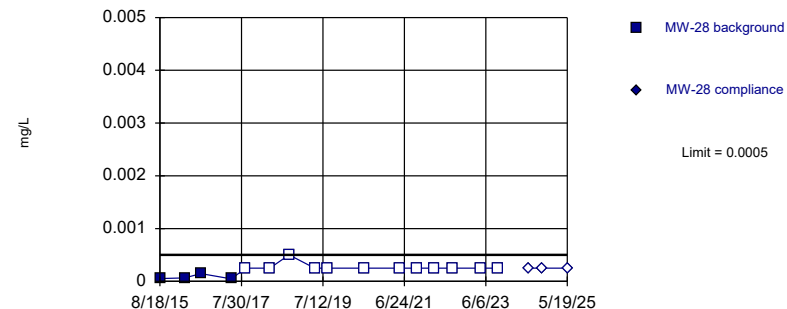
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Cadmium Analysis Run 9/29/2025 4:32 PM View: 2025_SSN-MW-28_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



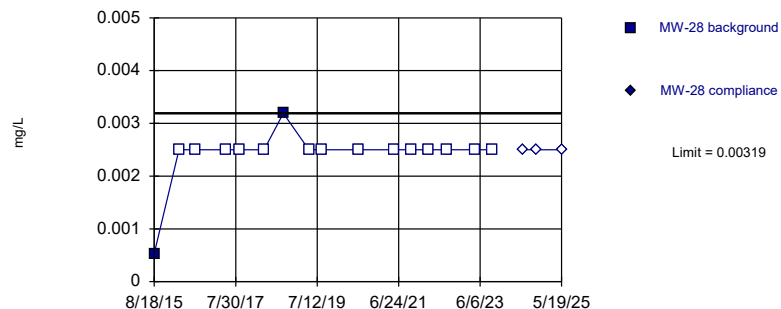
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cobalt Analysis Run 9/29/2025 4:32 PM View: 2025_SSN-MW-28_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



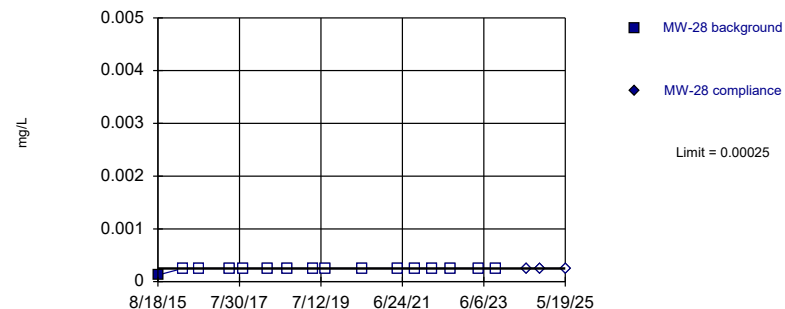
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Copper Analysis Run 9/29/2025 4:32 PM View: 2025_SSN-MW-28_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



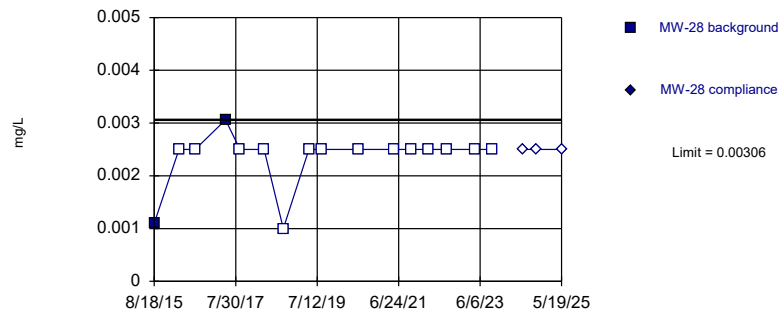
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 9/29/2025 4:32 PM View: 2025_SSN-MW-28_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



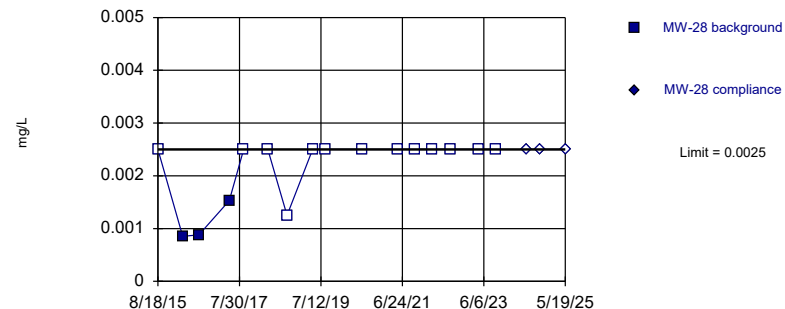
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Nickel Analysis Run 9/29/2025 4:32 PM View: 2025_SSN-MW-28_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric

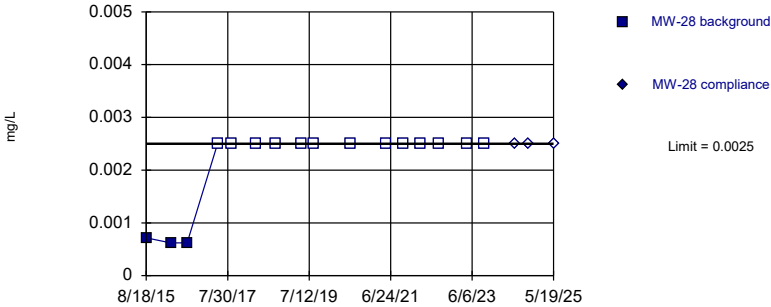


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 9/29/2025 4:32 PM View: 2025_SSN-MW-28_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

MW-29 IntraPrediction Limit

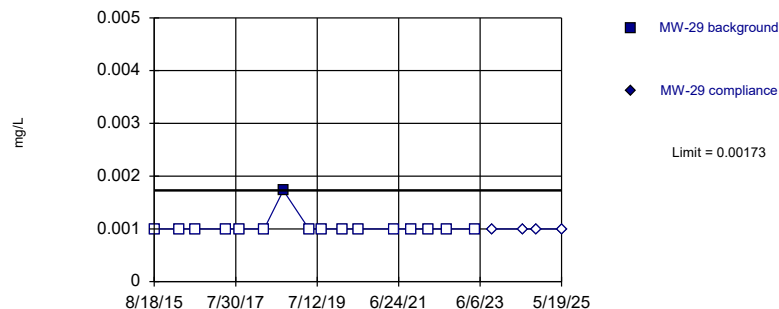
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 9/30/2025, 3:19 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Wells</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	MW-29	0.00173	n/a	5/19/2025	0.001ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Barium (mg/L)	MW-29	0.5859	n/a	5/19/2025	0.498	No	20	n/a	0.1229	0.04926	0	None	x^3	0.0007979	Param Intra 1 of 3
Cadmium (mg/L)	MW-29	0.000855	n/a	5/19/2025	0.0001ND	No	17	n/a	n/a	n/a	82.35	n/a	n/a	0.0009102	NP Intra (NDs) 1 of 3
Chromium (mg/L)	MW-29	0.0025	n/a	5/19/2025	0.0025ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	MW-29	0.000569	n/a	5/19/2025	0.00025ND	No	17	n/a	n/a	n/a	70.59	n/a	n/a	0.0009102	NP Intra (NDs) 1 of 3
Copper (mg/L)	MW-29	0.0025	n/a	5/19/2025	0.0025ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	MW-29	0.0004935	n/a	5/19/2025	0.00025ND	No	16	n/a	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	MW-29	0.0025	n/a	5/19/2025	0.0025ND	No	16	n/a	n/a	n/a	81.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	MW-29	0.00442	n/a	5/19/2025	0.0025ND	No	16	n/a	n/a	n/a	81.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Silver (mg/L)	MW-29	0.0005	n/a	5/19/2025	0.0005ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	MW-29	0.0025	n/a	5/19/2025	0.0025ND	No	16	n/a	n/a	n/a	81.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3

Within Limit

Prediction Limit

Intrawell Non-parametric



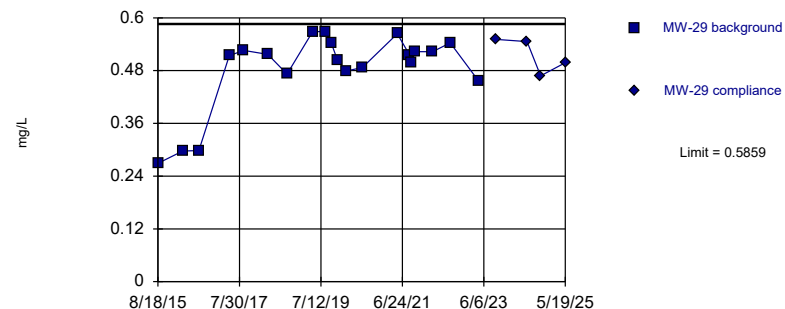
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 9/30/2025 3:13 PM View: 2025_SSN-MW-29_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Parametric



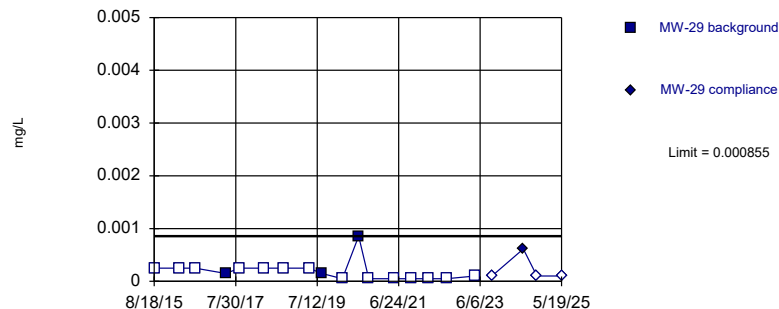
Background Data Summary (based on cube transformation): Mean=0.1229, Std. Dev.=0.04926, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.87, critical = 0.868. Kappa = 1.588 (c=11, w=6, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007979.

Constituent: Barium Analysis Run 9/30/2025 3:13 PM View: 2025_SSN-MW-29_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



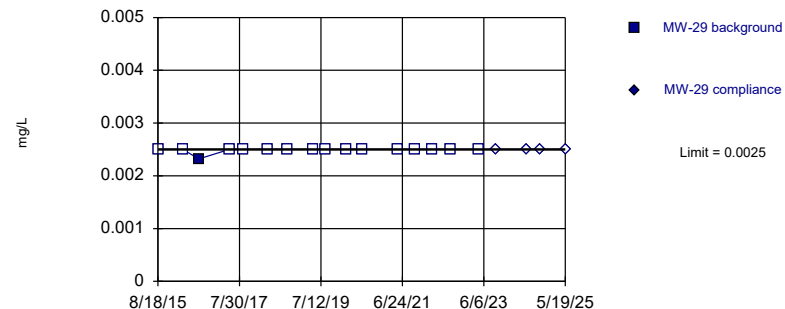
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.00182. Individual comparison alpha = 0.0009102 (1 of 3).

Constituent: Cadmium Analysis Run 9/30/2025 3:13 PM View: 2025_SSN-MW-29_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



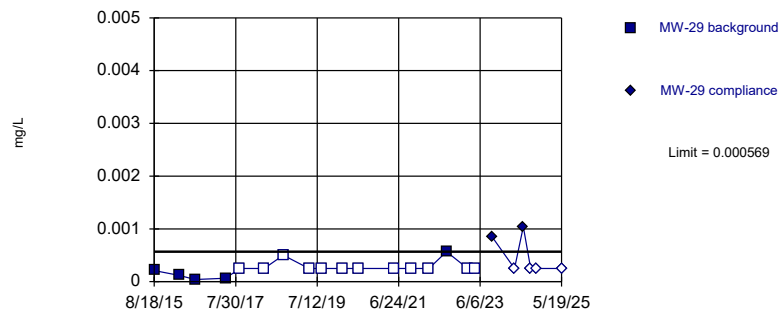
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Chromium Analysis Run 9/30/2025 3:13 PM View: 2025_SSN-MW-29_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



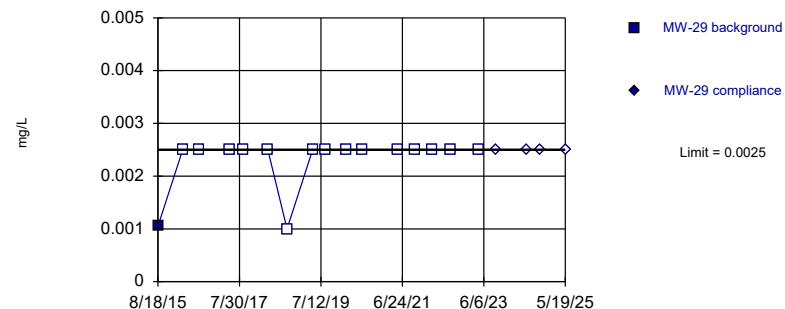
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.00182. Individual comparison alpha = 0.0009102 (1 of 3).

Constituent: Cobalt Analysis Run 9/30/2025 3:13 PM View: 2025_SSN-MW-29_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



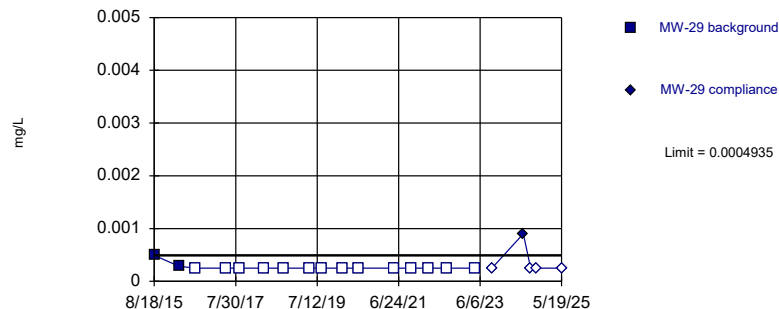
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Copper Analysis Run 9/30/2025 3:13 PM View: 2025_SSN-MW-29_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



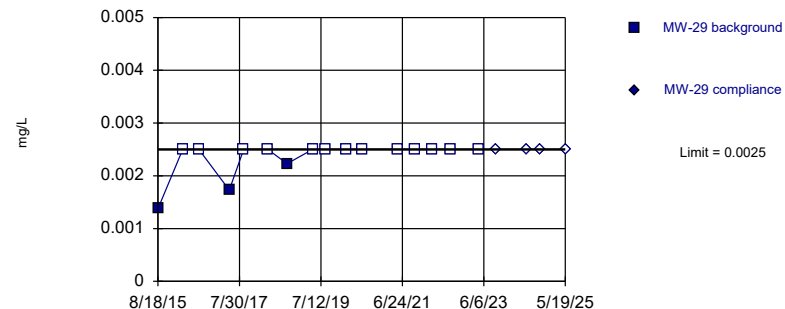
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 9/30/2025 3:13 PM View: 2025_SSN-MW-29_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



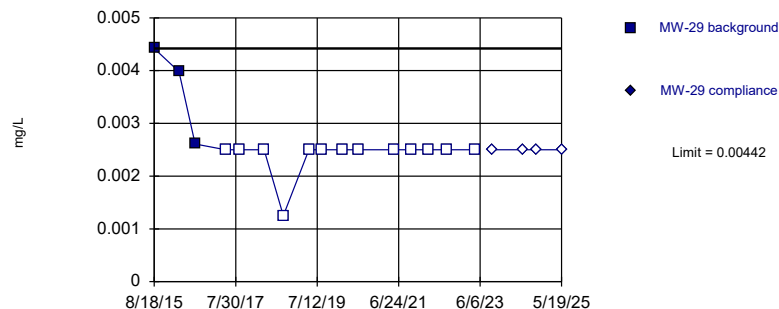
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Nickel Analysis Run 9/30/2025 3:13 PM View: 2025_SSN-MW-29_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



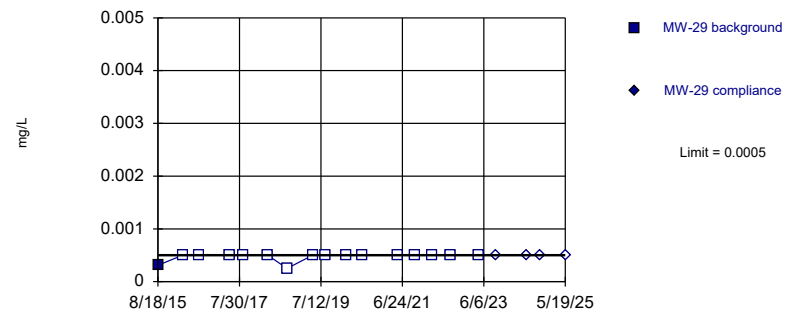
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 9/30/2025 3:13 PM View: 2025_SSN-MW-29_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



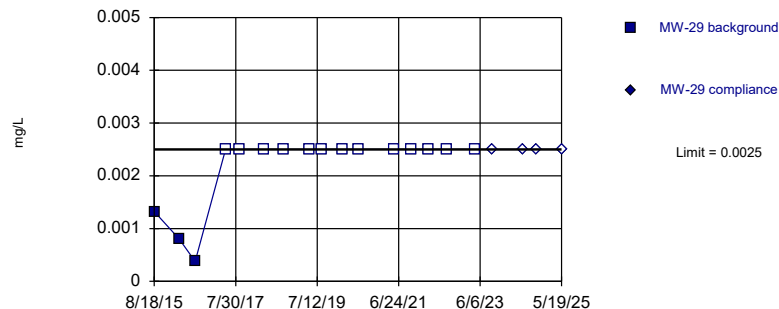
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Silver Analysis Run 9/30/2025 3:13 PM View: 2025_SSN-MW-29_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Vanadium Analysis Run 9/30/2025 3:13 PM View: 2025_SSN-MW-29_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

GU-1 IntraPrediction Limit

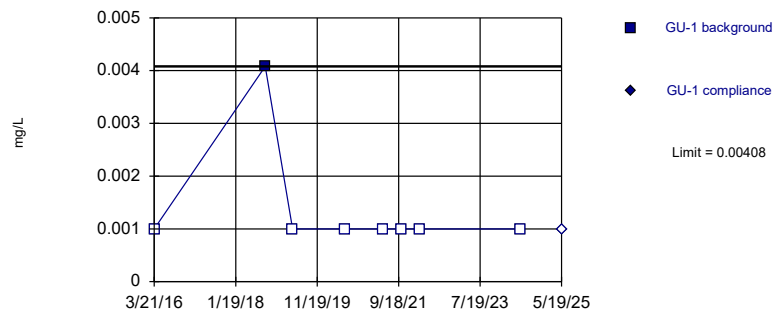
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 10/1/2025, 5:12 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Wells</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	GU-1	0.00408	n/a	5/19/2025	0.001ND	No	8	n/a	n/a	n/a	87.5	n/a	n/a	0.005912	NP Intra (NDs) 1 of 3
Barium (mg/L)	GU-1	0.6047	n/a	5/19/2025	0.181	No	8	n/a	0.5115	0.1266	0	None	sqrt(x)	0.0009751	Param Intra 1 of 3
Cadmium (mg/L)	GU-1	0.00025	n/a	5/19/2025	0.0001ND	No	8	n/a	n/a	n/a	87.5	n/a	n/a	0.005912	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GU-1	0.00535	n/a	5/19/2025	0.0025ND	No	8	n/a	n/a	n/a	87.5	n/a	n/a	0.005912	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GU-1	0.00194	n/a	5/19/2025	0.00025ND	No	8	n/a	n/a	n/a	62.5	n/a	n/a	0.005912	NP Intra (NDs) 1 of 3
Copper (mg/L)	GU-1	0.00495	n/a	5/19/2025	0.0025ND	No	8	n/a	n/a	n/a	87.5	n/a	n/a	0.005912	NP Intra (NDs) 1 of 3
Lead (mg/L)	GU-1	0.00114	n/a	5/19/2025	0.00025ND	No	8	n/a	n/a	n/a	87.5	n/a	n/a	0.005912	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GU-1	0.00755	n/a	5/19/2025	0.0025ND	No	8	n/a	n/a	n/a	62.5	n/a	n/a	0.005912	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GU-1	0.00914	n/a	5/19/2025	0.0025ND	No	8	n/a	n/a	n/a	75	n/a	n/a	0.005912	NP Intra (NDs) 1 of 3

Within Limit

Prediction Limit

Intrawell Non-parametric



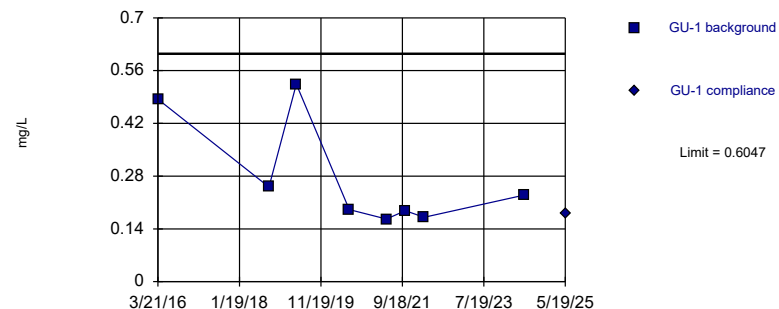
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Constituent: Arsenic Analysis Run 10/1/2025 5:11 PM View: 2025-SSN-GU-1_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Parametric



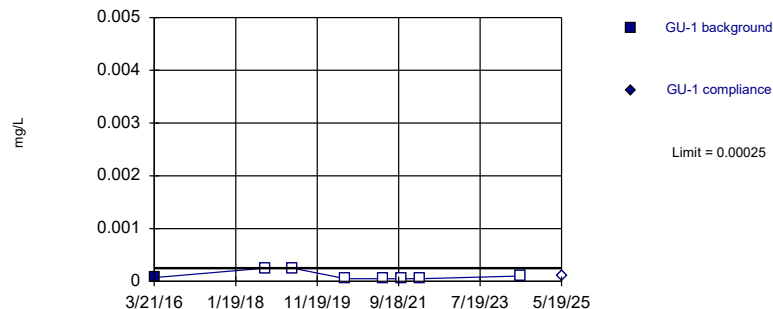
Background Data Summary (based on square root transformation): Mean=0.5115, Std. Dev.=0.1266, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7752, critical = 0.749. Kappa = 2.102 (c=9, w=6, 1 of 3, event alpha = 0.05132). Report alpha = 0.0009751.

Constituent: Barium Analysis Run 10/1/2025 5:11 PM View: 2025-SSN-GU-1_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



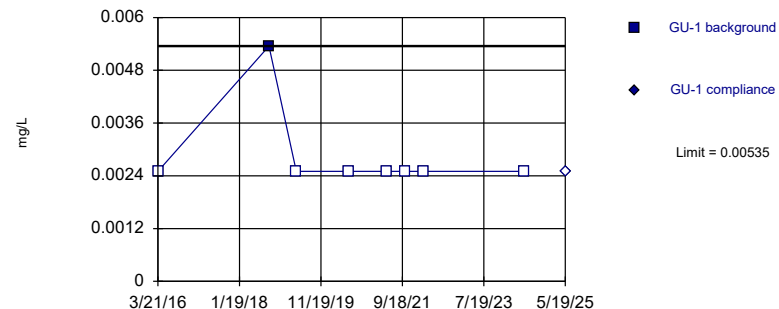
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Constituent: Cadmium Analysis Run 10/1/2025 5:11 PM View: 2025-SSN-GU-1_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



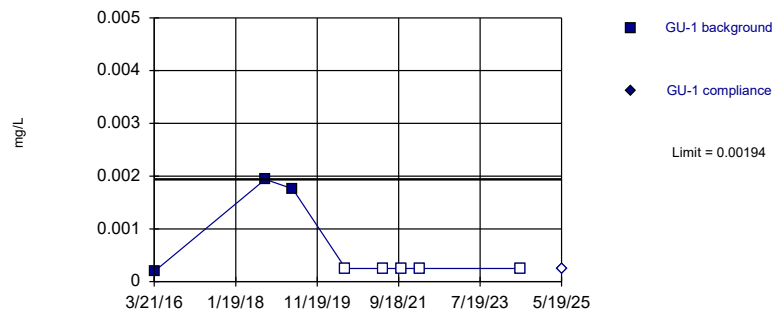
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Constituent: Chromium Analysis Run 10/1/2025 5:11 PM View: 2025-SSN-GU-1_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



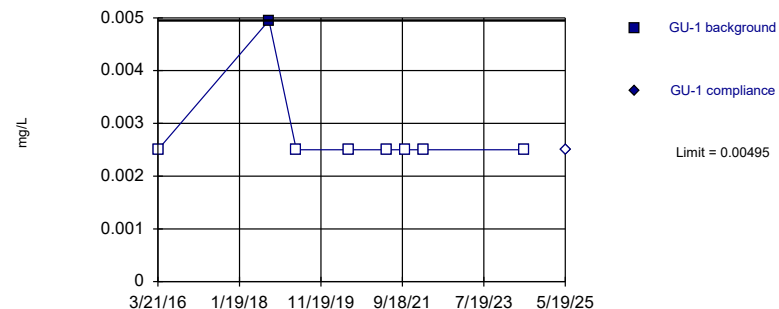
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Constituent: Cobalt Analysis Run 10/1/2025 5:11 PM View: 2025-SSN-GU-1_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



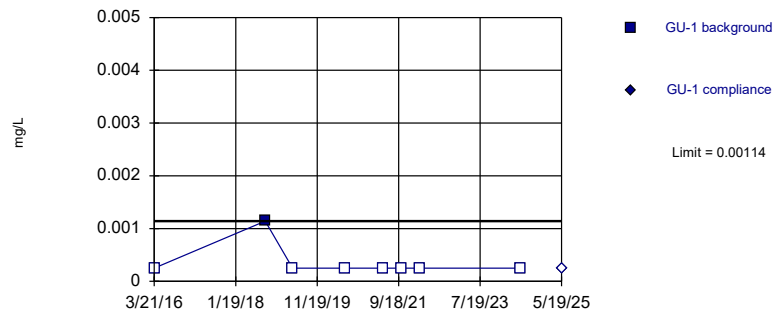
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Constituent: Copper Analysis Run 10/1/2025 5:11 PM View: 2025-SSN-GU-1_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



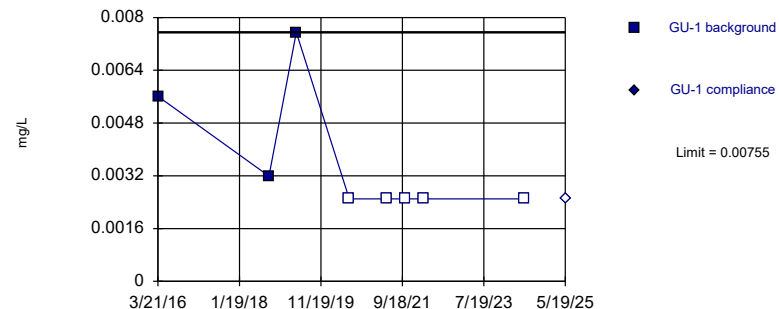
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Constituent: Lead Analysis Run 10/1/2025 5:11 PM View: 2025-SSN-GU-1_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric

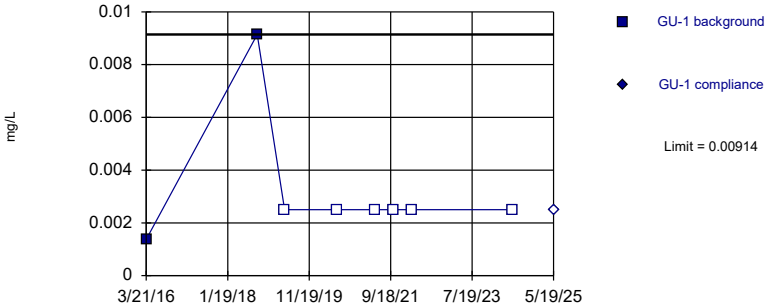


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Constituent: Nickel Analysis Run 10/1/2025 5:11 PM View: 2025-SSN-GU-1_IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 75% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Mann-Kendall Trend Table and Graphs

Trend Test

Montgomery County SLF

Client: SCS Engineers

Data: IWMNT-N-2025_SSN-AM

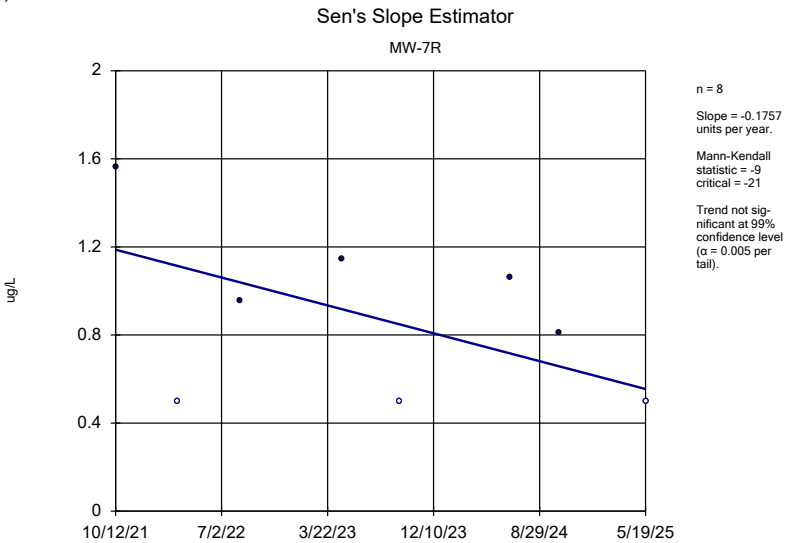
Printed 9/18/2025, 1:44 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Alpha</u>	<u>Method</u>
1,1-Dichloroethane (ug/L)	MW-7R	-0.1757	-9	-21	No	8	37.5	0.01	NP
1,1-Dichloroethane (ug/L)	MW-16	-0.1989	-12	-21	No	8	0	0.01	NP
1,1-Dichloroethene (ug/L)	MW-27	0	-5	-21	No	8	87.5	0.01	NP
1,2-Dichloroethane (ug/L)	MW-15	0	5	21	No	8	87.5	0.01	NP
1,4-Dichlorobenzene (ug/L)	MW-16	0.07469	11	21	No	8	37.5	0.01	NP
4,4'-DDE (ug/L)	MW-16	0.001269	7	12	No	5	80	0.01	NP
Acetone (ug/L)	MW-17	-0.1348	-8	-21	No	8	50	0.01	NP
Acrylonitrile (ug/L)	MW-15	0	-11	-21	No	8	87.5	0.01	NP
alpha-BHC (ug/L)	MW-7R	0.001395	2	21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-4	0	-5	-21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-5	0	-5	-21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-6	0	-5	-21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-8	0	-5	-21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-9	0	-5	-21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-14	0	-9	-21	No	8	75	0.01	NP
Arsenic (mg/L)	MW-15	0	-5	-21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-16	0	-5	-21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-17	0	1	21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-27	0	-3	-21	No	8	87.5	0.01	NP
Barium (mg/L)	MW-4	-0.0005525	-2	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-5	-0.04713	-24	-21	Yes	8	0	0.01	NP
Barium (mg/L)	MW-6	-0.02238	-18	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-7R	-0.0807	-12	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-8	0.002732	9	21	No	8	0	0.01	NP
Barium (mg/L)	MW-9	0.001346	6	21	No	8	0	0.01	NP
Barium (mg/L)	MW-14	0.0238	18	21	No	8	0	0.01	NP
Barium (mg/L)	MW-15	0.00462	16	21	No	8	0	0.01	NP
Barium (mg/L)	MW-16	0.001486	0	21	No	8	0	0.01	NP
Barium (mg/L)	MW-17	0.03565	18	21	No	8	0	0.01	NP
Barium (mg/L)	MW-27	-0.006069	-14	-21	No	8	0	0.01	NP
beta-BHC (ug/L)	MW-7R	-0.05776	-9	-21	No	8	62.5	0.01	NP
beta-BHC (ug/L)	MW-16	-0.009819	-2	-21	No	8	50	0.01	NP
Cadmium (mg/L)	MW-5	-0.000008185	-3	-21	No	8	37.5	0.01	NP
Cadmium (mg/L)	MW-7R	-0.00039	-13	-21	No	8	37.5	0.01	NP
Cadmium (mg/L)	MW-9	0	5	21	No	8	75	0.01	NP
Cadmium (mg/L)	MW-14	-0.00002511	-13	-21	No	8	87.5	0.01	NP
Cadmium (mg/L)	MW-16	-0.00002764	-13	-21	No	8	87.5	0.01	NP
Cadmium (mg/L)	MW-17	0	-1	-21	No	8	75	0.01	NP
Carbon disulfide (ug/L)	MW-15	0	-5	-21	No	8	87.5	0.01	NP
Chlorobenzene (ug/L)	MW-16	0.4968	11	21	No	8	37.5	0.01	NP
Chromium (mg/L)	MW-4	0	5	21	No	8	75	0.01	NP
Chromium (mg/L)	MW-27	0	5	21	No	8	75	0.01	NP
Cobalt (mg/L)	MW-5	-0.0005565	-12	-21	No	8	12.5	0.01	NP
Cobalt (mg/L)	MW-7R	0.00006404	6	21	No	8	0	0.01	NP
Cobalt (mg/L)	MW-8	0.00002917	2	21	No	8	0	0.01	NP
Cobalt (mg/L)	MW-15	0	-1	-21	No	8	87.5	0.01	NP
Cobalt (mg/L)	MW-17	0	-2	-21	No	8	62.5	0.01	NP
Cobalt (mg/L)	MW-27	0	-3	-21	No	8	87.5	0.01	NP
Copper (mg/L)	MW-4	0	5	21	No	8	87.5	0.01	NP
Copper (mg/L)	MW-5	0	11	21	No	8	75	0.01	NP

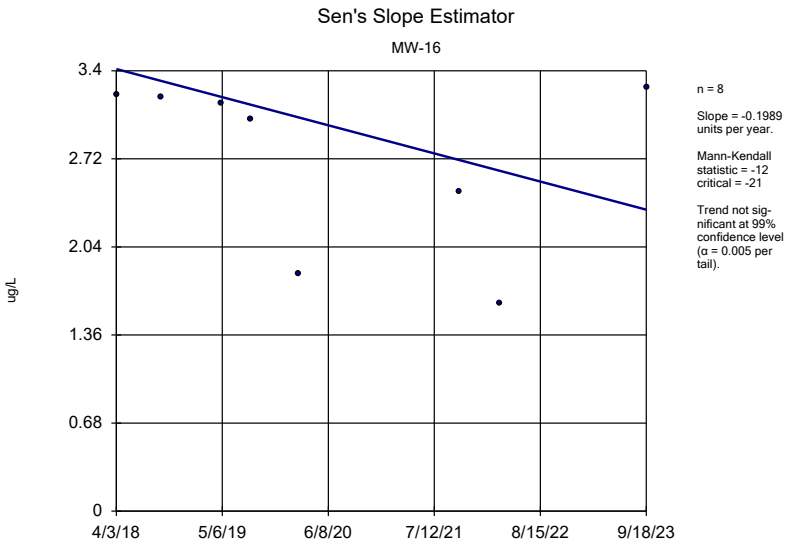
Trend Test

Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM Printed 9/18/2025, 1:44 PM

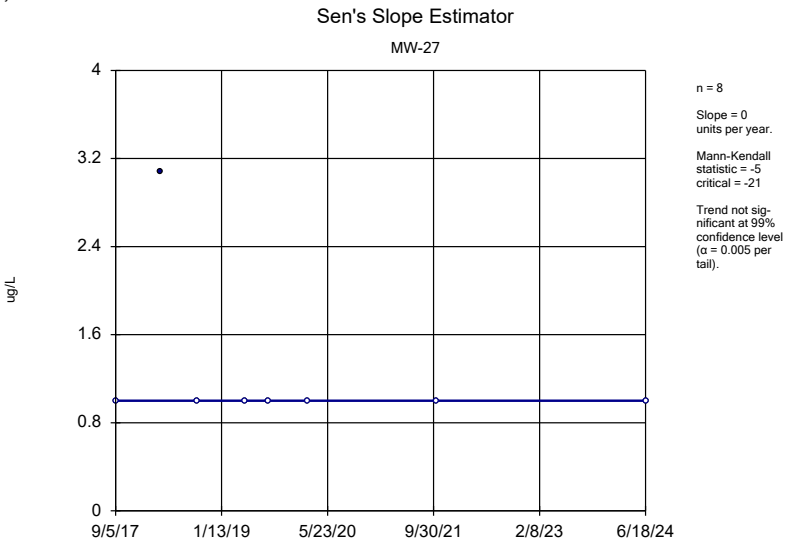
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Alpha</u>	<u>Method</u>
Copper (mg/L)	MW-6	0	-5	-21	No	8	87.5	0.01	NP
Copper (mg/L)	MW-8	0	5	21	No	8	87.5	0.01	NP
Copper (mg/L)	MW-14	0	-5	-21	No	8	87.5	0.01	NP
Copper (mg/L)	MW-17	0.002189	16	21	No	8	62.5	0.01	NP
Copper (mg/L)	MW-27	0	-3	-21	No	8	87.5	0.01	NP
Endosulfan I (ug/L)	MW-7R	0	0	21	No	8	75	0.01	NP
Lead (mg/L)	MW-6	0	5	21	No	8	87.5	0.01	NP
Lead (mg/L)	MW-8	0	-5	-21	No	8	87.5	0.01	NP
Lead (mg/L)	MW-14	0	5	21	No	8	87.5	0.01	NP
Lead (mg/L)	MW-17	0.00007034	8	21	No	8	50	0.01	NP
Lead (mg/L)	MW-27	0	-11	-21	No	8	75	0.01	NP
Mercury (mg/L)	MW-16	0	0	21	No	8	62.5	0.01	NP
Nickel (mg/L)	MW-5	-0.005993	-18	-21	No	8	0	0.01	NP
Nickel (mg/L)	MW-6	0	-7	-21	No	8	75	0.01	NP
Nickel (mg/L)	MW-7R	-0.001738	-3	-21	No	8	0	0.01	NP
Nickel (mg/L)	MW-8	0	1	21	No	8	75	0.01	NP
Nickel (mg/L)	MW-14	0	-5	-21	No	8	87.5	0.01	NP
Nickel (mg/L)	MW-16	0	-5	-21	No	8	87.5	0.01	NP
Nickel (mg/L)	MW-17	0	0	21	No	8	50	0.01	NP
Nickel (mg/L)	MW-27	0	-3	-21	No	8	87.5	0.01	NP
Selenium (mg/L)	MW-9	0	-5	-21	No	8	87.5	0.01	NP
Styrene (ug/L)	MW-15	0	-5	-21	No	8	87.5	0.01	NP
Sulfide (mg/L)	MW-5	-0.7017	-18	-21	No	8	62.5	0.01	NP
Sulfide (mg/L)	MW-6	0	-7	-21	No	8	75	0.01	NP
Sulfide (mg/L)	MW-8	-0.05217	-10	-21	No	8	62.5	0.01	NP
Sulfide (mg/L)	MW-14	0	-11	-21	No	8	75	0.01	NP
Sulfide (mg/L)	MW-16	0	-5	-21	No	8	87.5	0.01	NP
Vanadium (mg/L)	MW-8	0	5	21	No	8	75	0.01	NP
Vanadium (mg/L)	MW-14	0	-7	-21	No	8	75	0.01	NP
Vanadium (mg/L)	MW-15	0	-1	-21	No	8	87.5	0.01	NP
Vanadium (mg/L)	MW-16	0	5	21	No	8	75	0.01	NP
Vanadium (mg/L)	MW-17	0.0002751	9	21	No	8	37.5	0.01	NP
Vanadium (mg/L)	MW-27	0	-7	-21	No	8	75	0.01	NP
Zinc (mg/L)	MW-17	0.002379	18	21	No	8	75	0.01	NP
Zinc (mg/L)	MW-27	0	-3	-21	No	8	87.5	0.01	NP



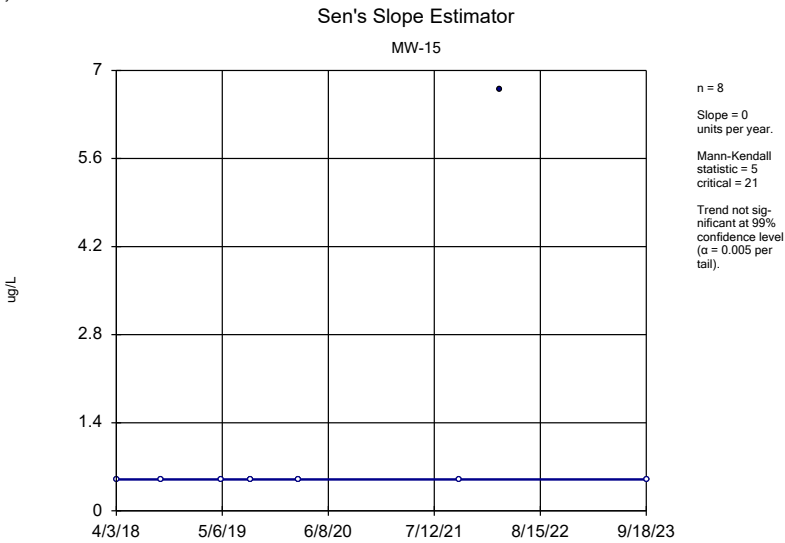
Constituent: 1,1-Dichloroethane Analysis Run 9/18/2025 1:41 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



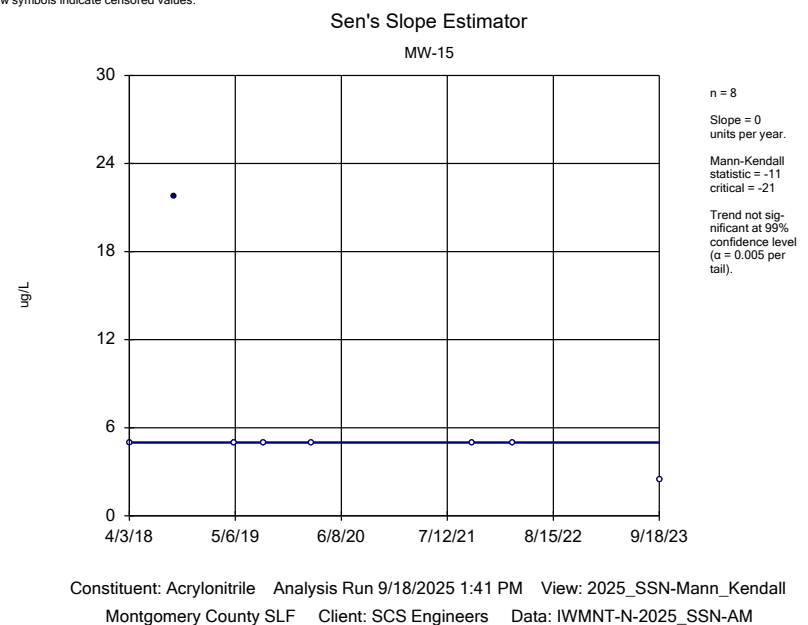
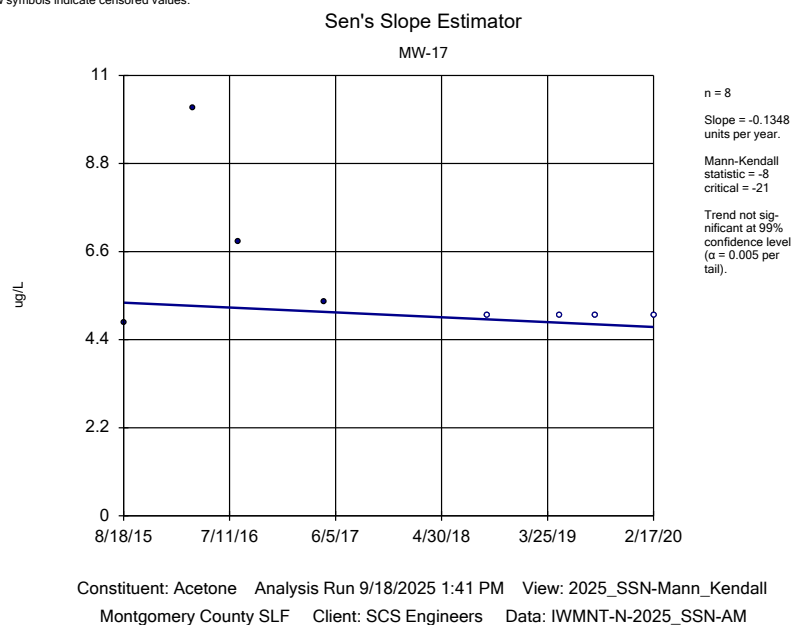
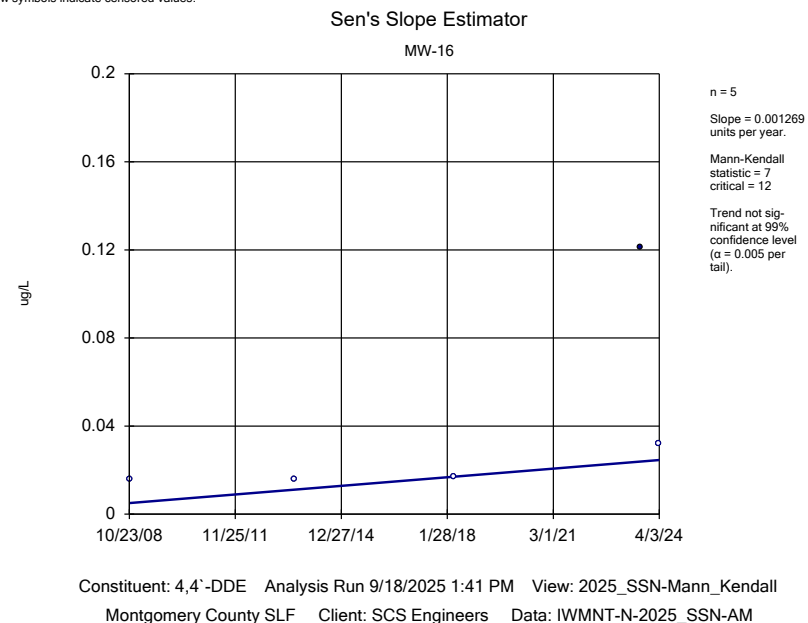
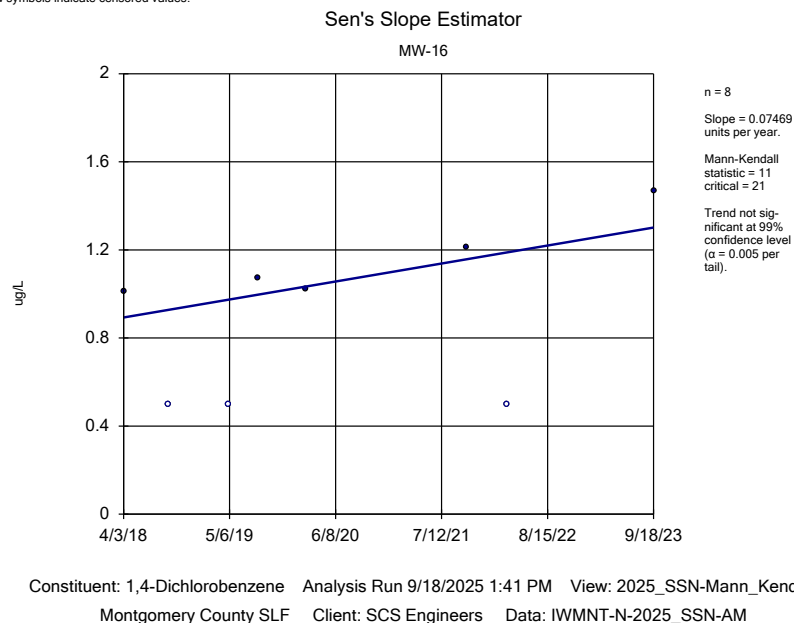
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Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

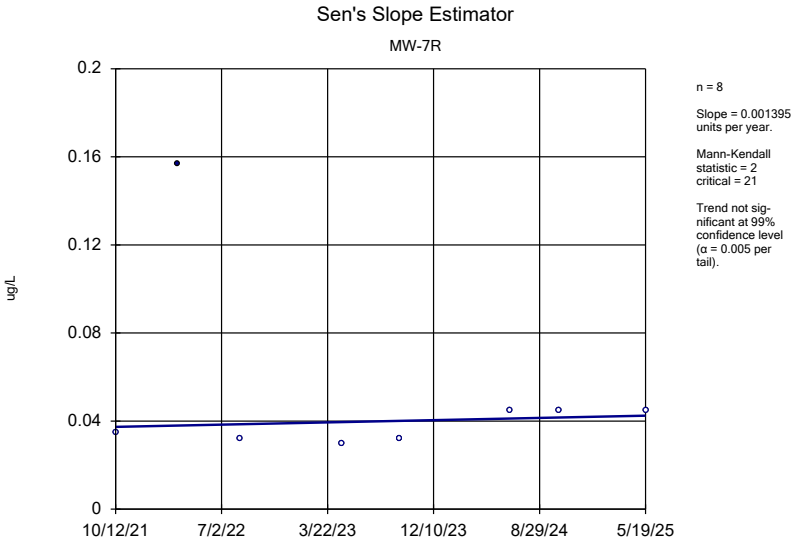


Constituent: 1,1-Dichloroethane Analysis Run 9/18/2025 1:41 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

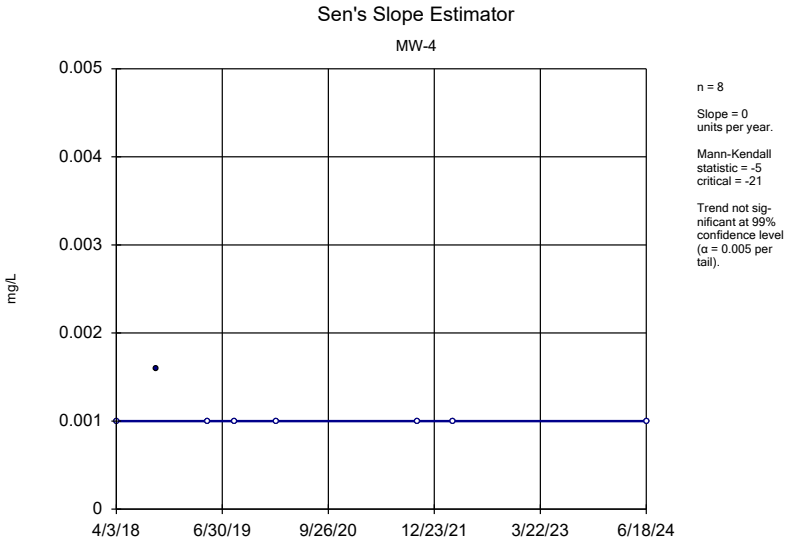


Constituent: 1,2-Dichloroethane Analysis Run 9/18/2025 1:41 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

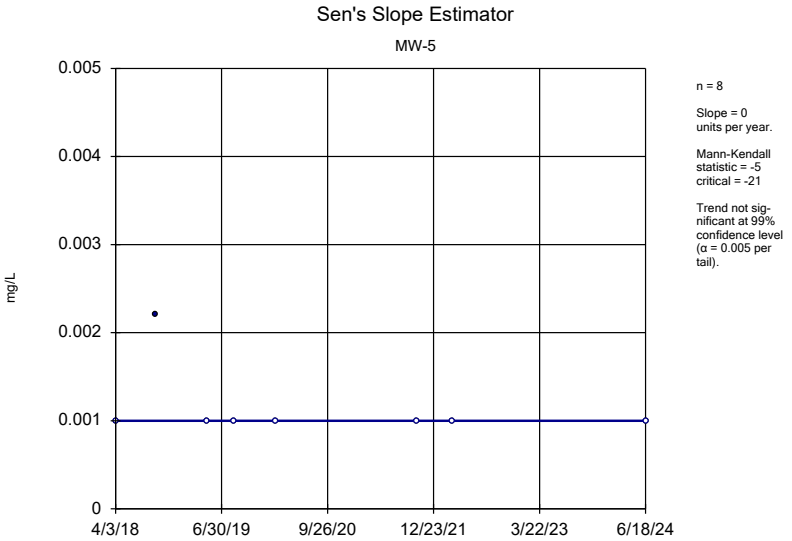




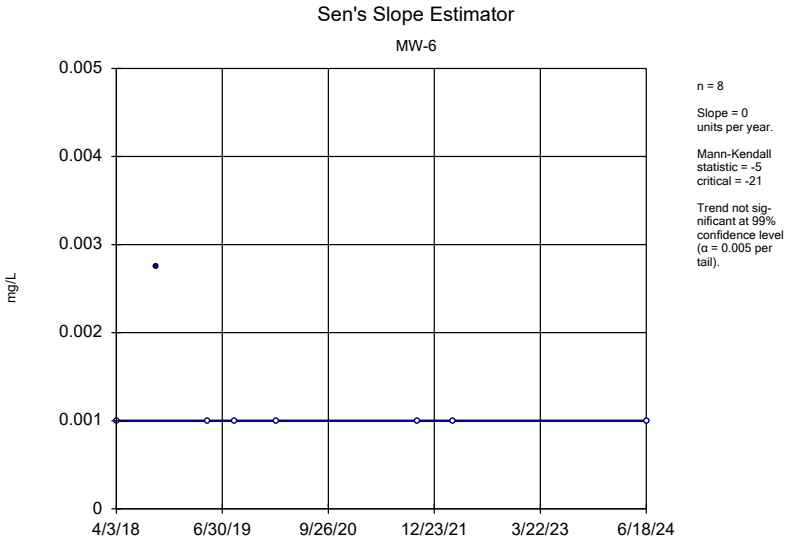
Constituent: alpha-BHC Analysis Run 9/18/2025 1:41 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



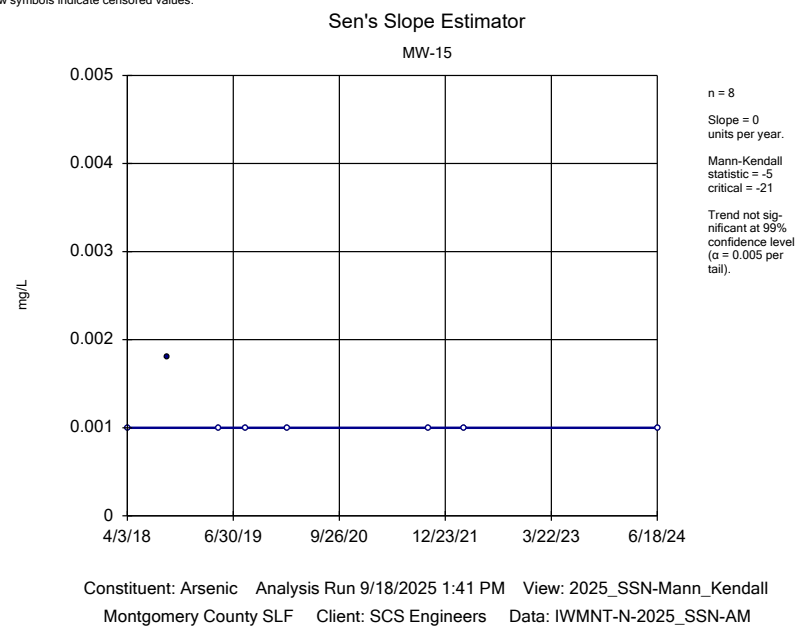
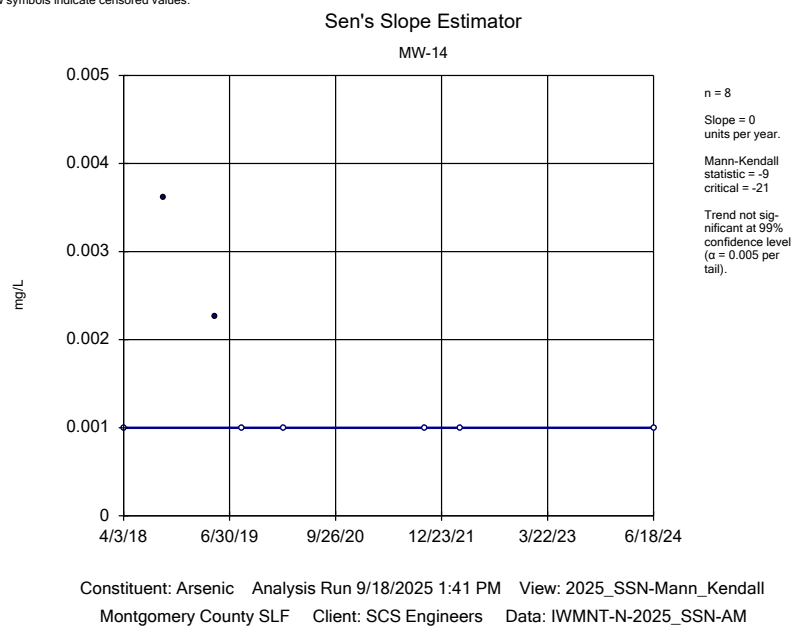
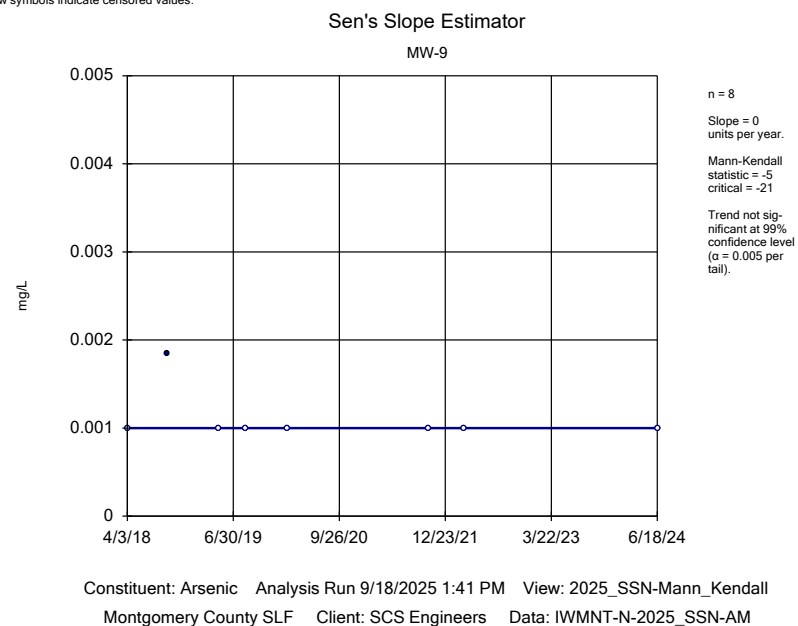
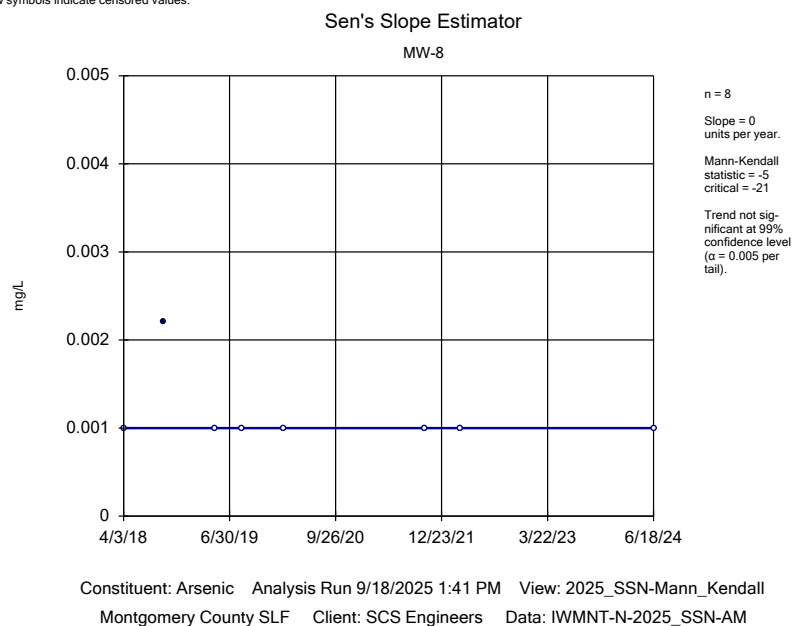
Constituent: Arsenic Analysis Run 9/18/2025 1:41 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

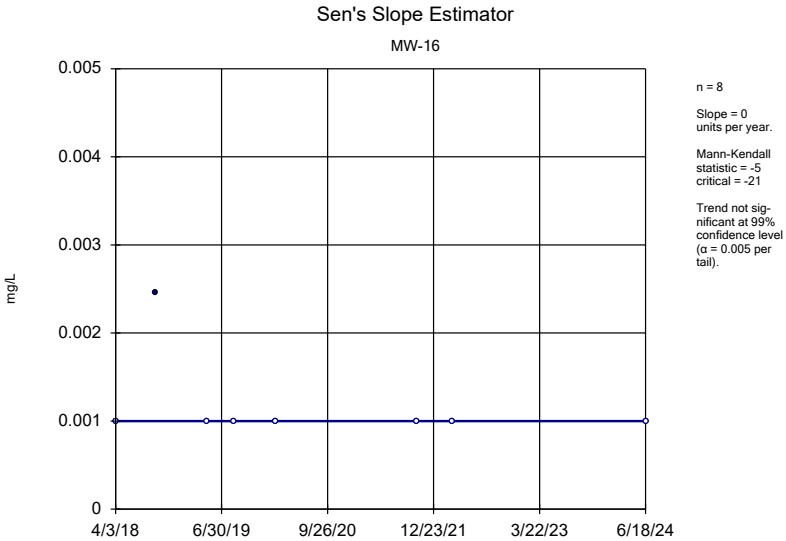


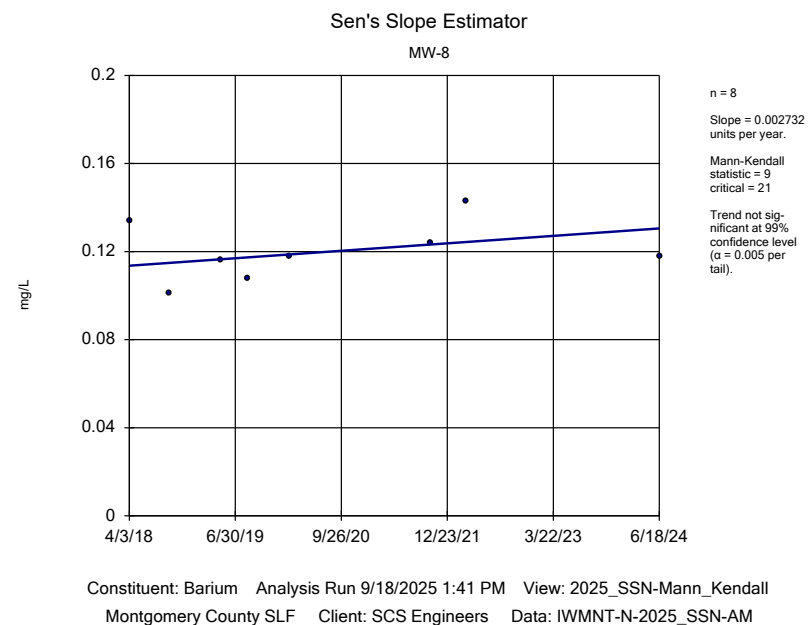
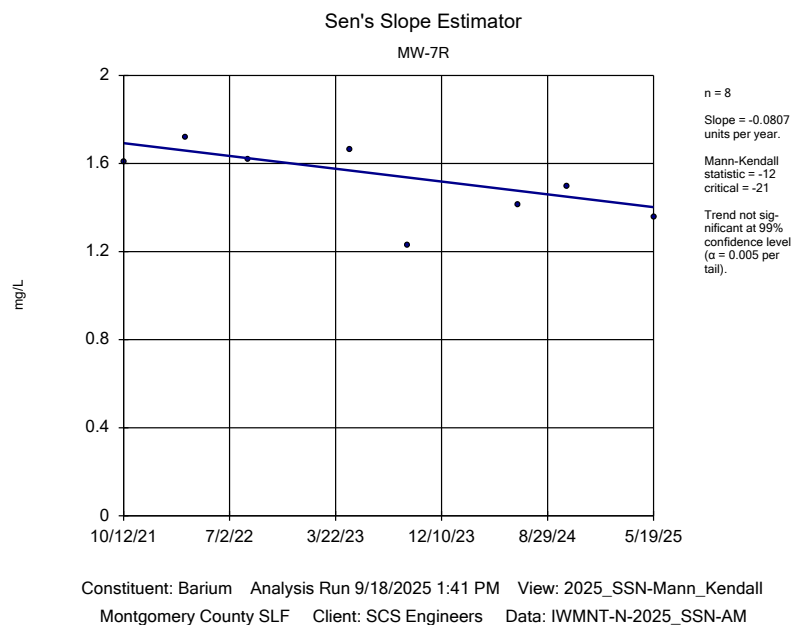
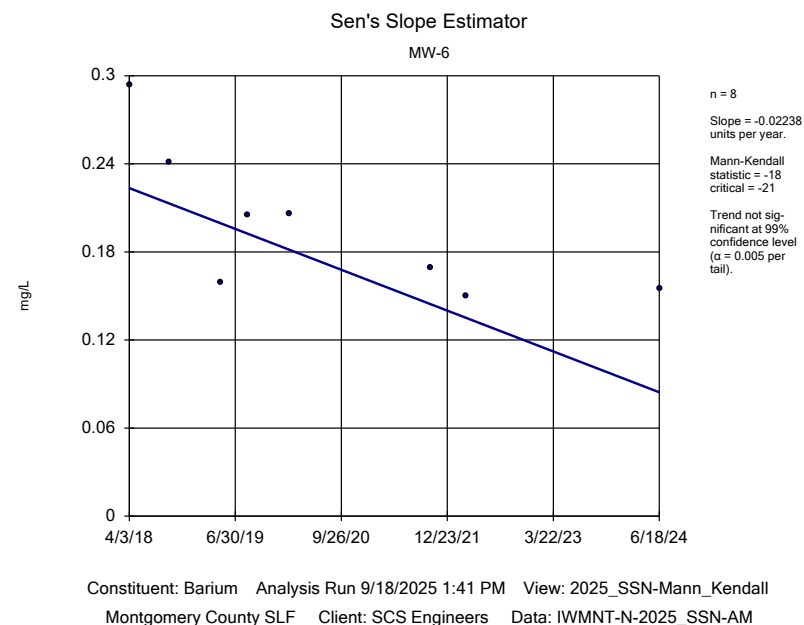
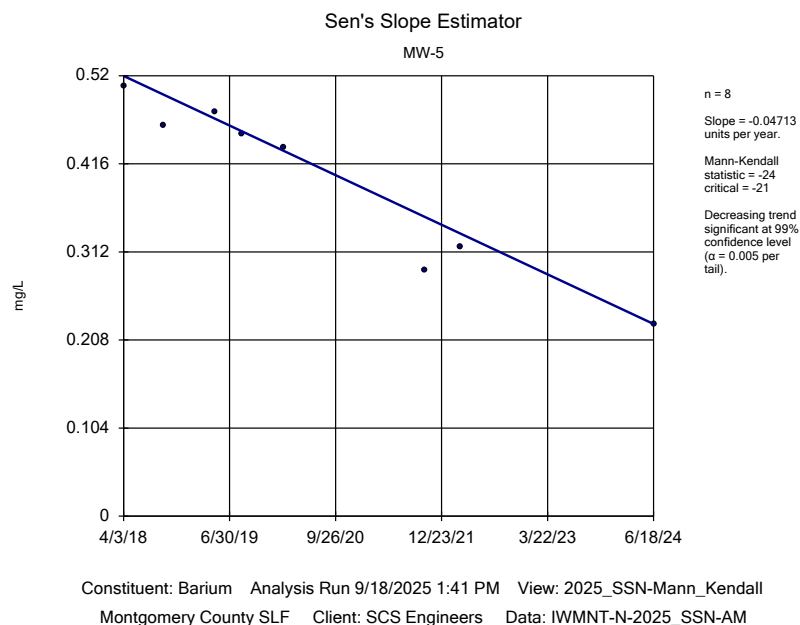
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Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

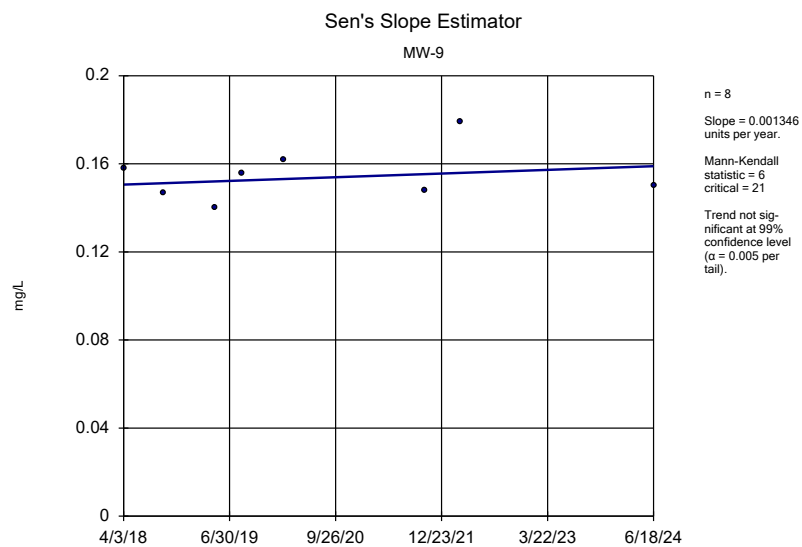


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Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

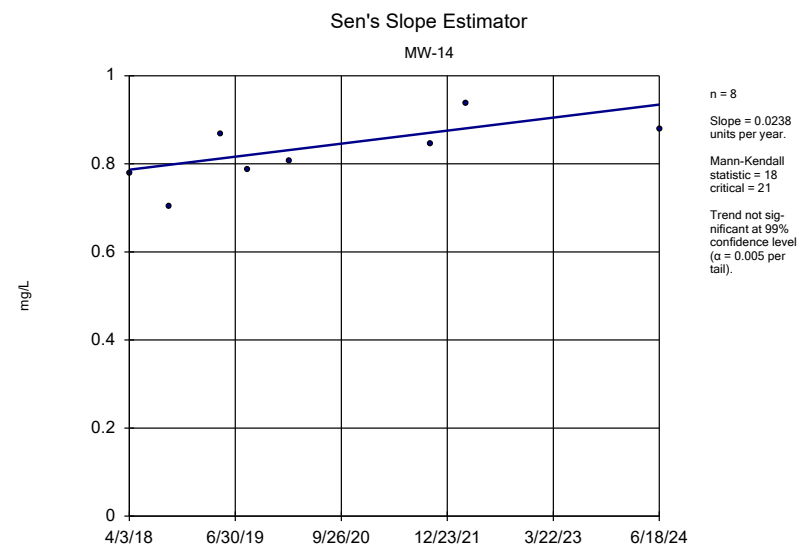




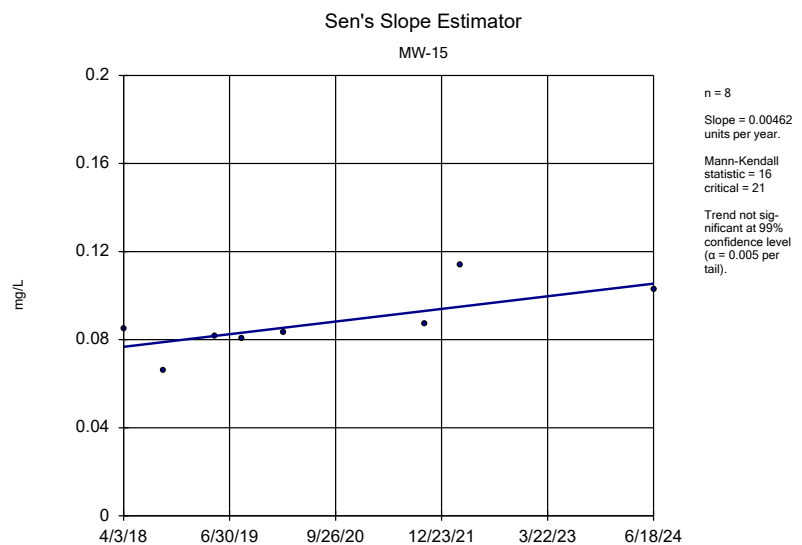




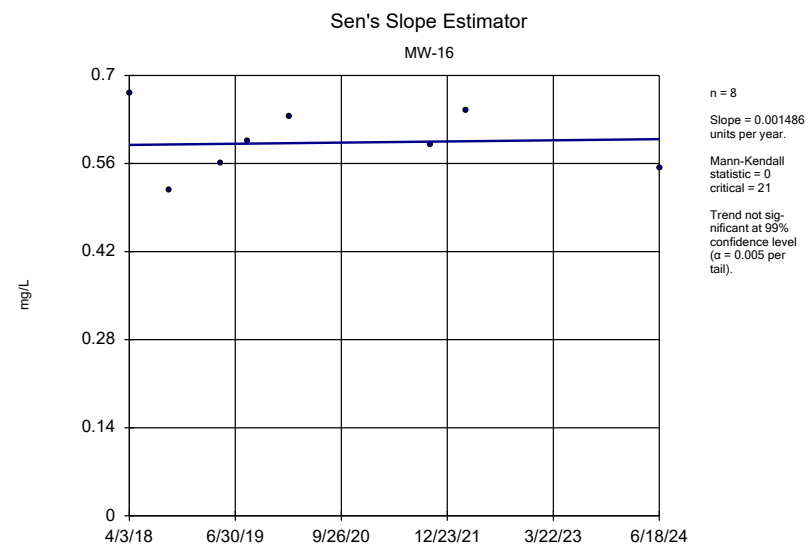
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Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



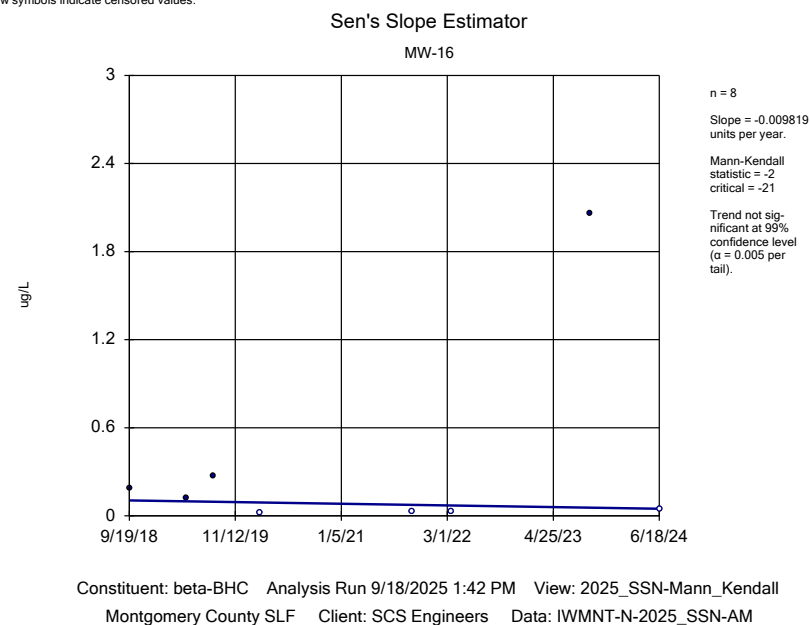
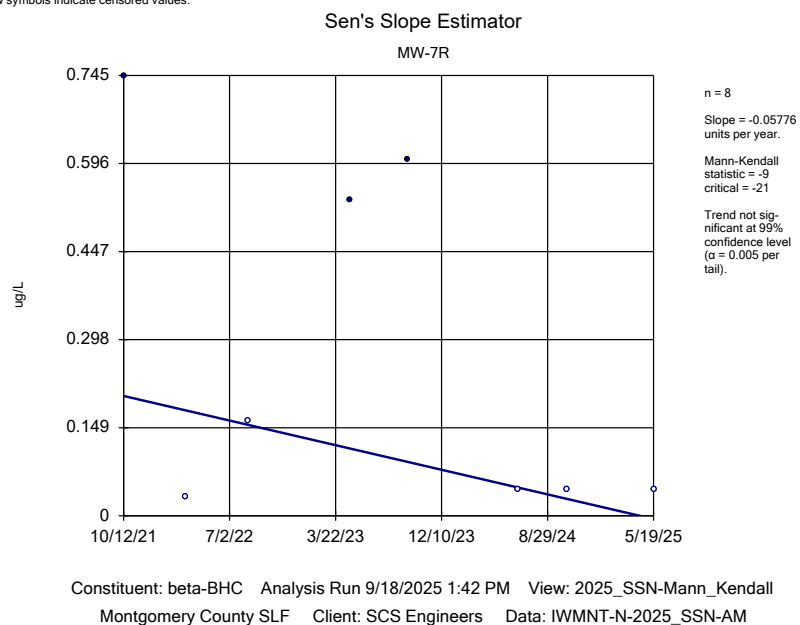
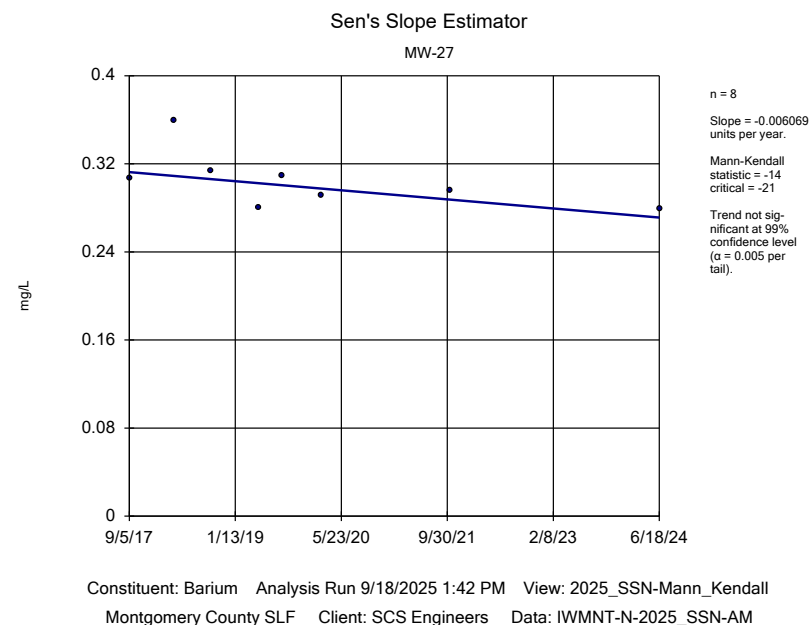
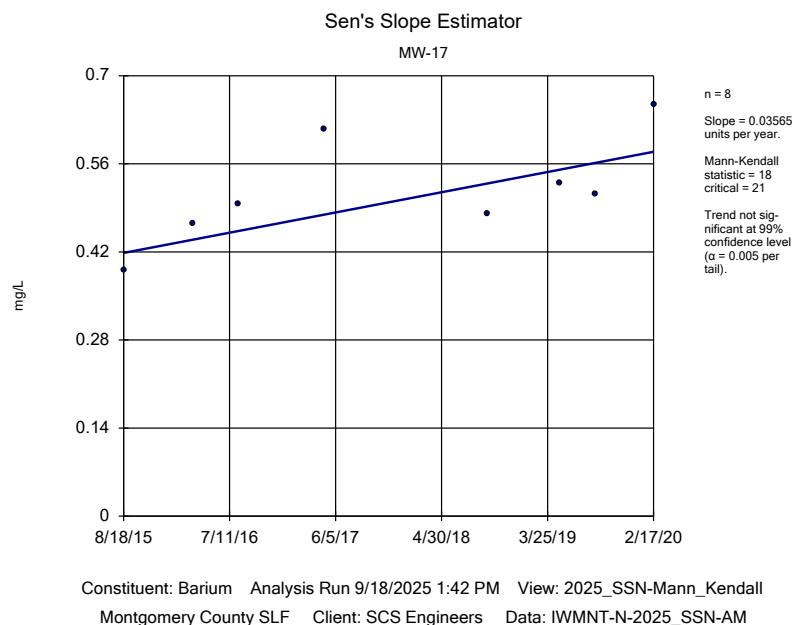
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Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

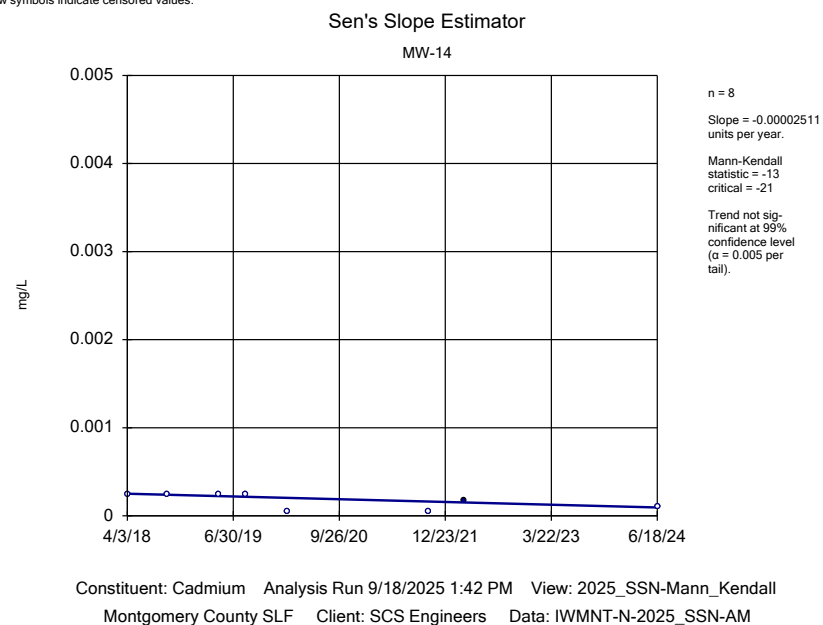
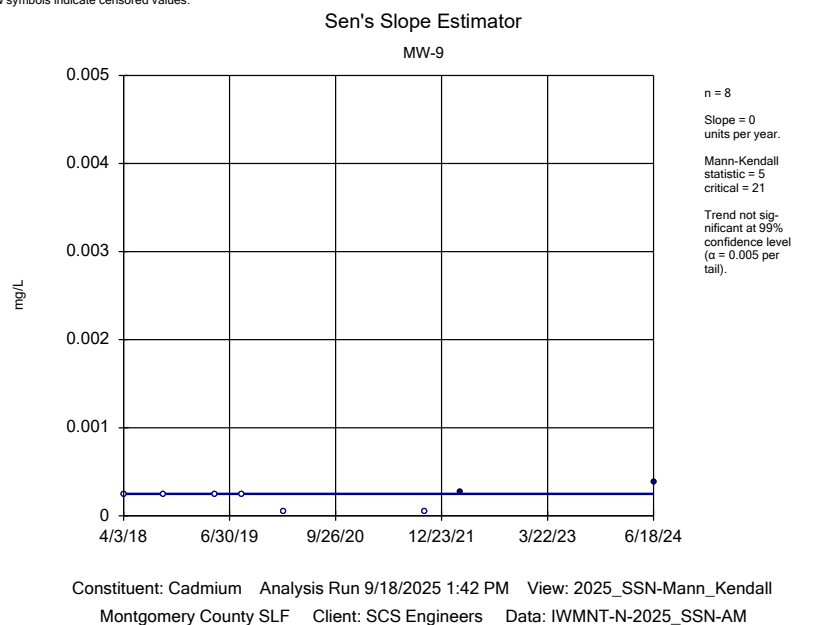
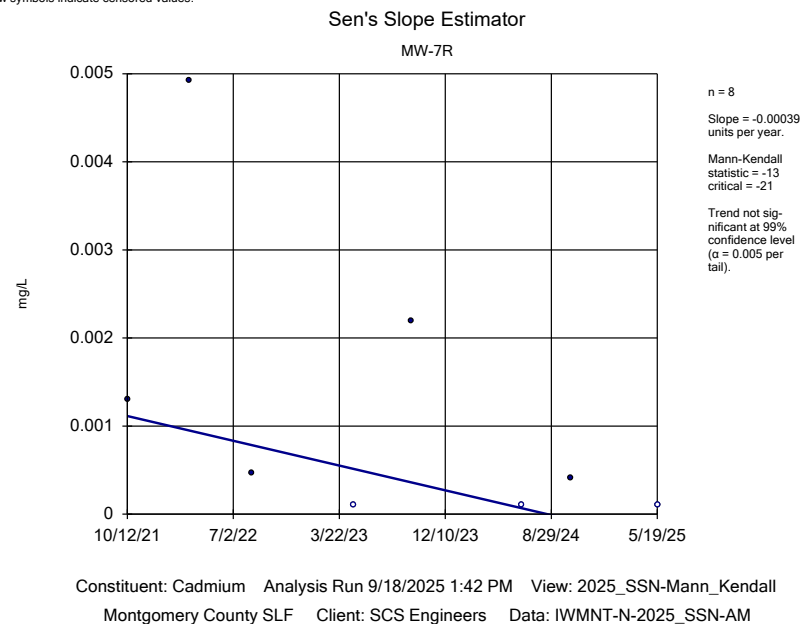
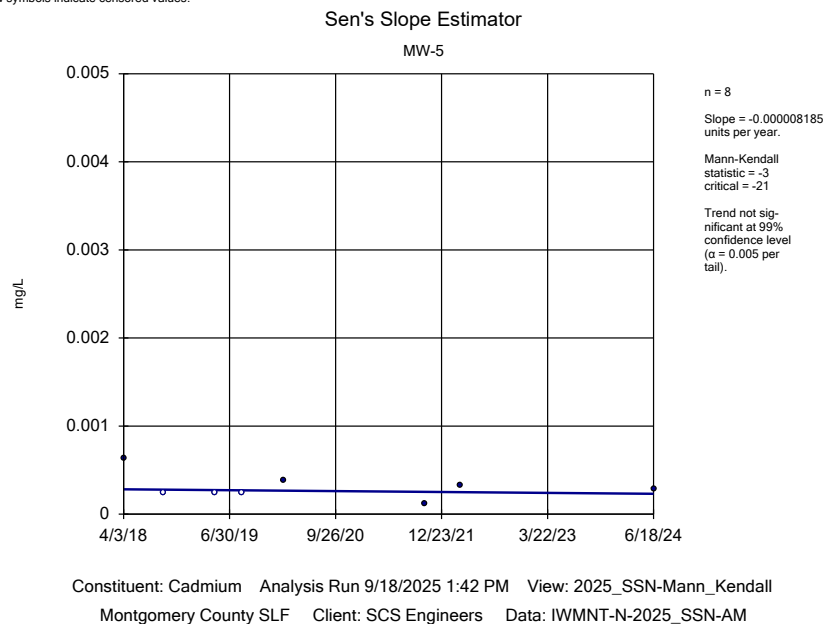


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Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



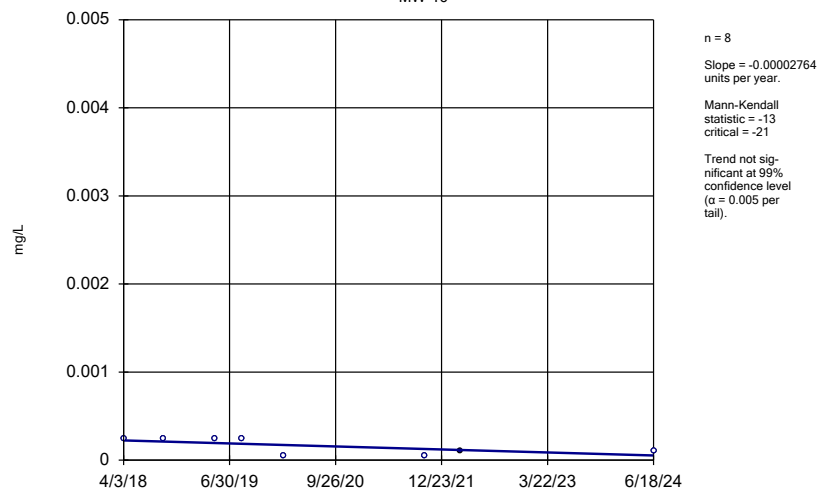
Constituent: Barium Analysis Run 9/18/2025 1:41 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM





Sen's Slope Estimator

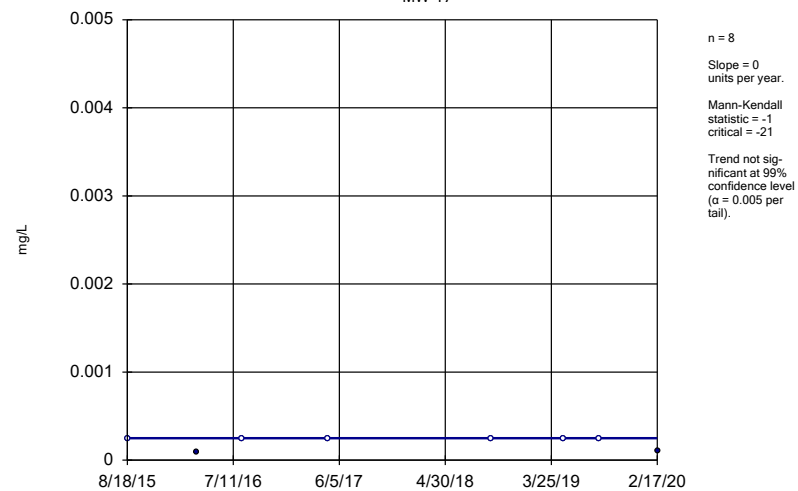
MW-16



Constituent: Cadmium Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator

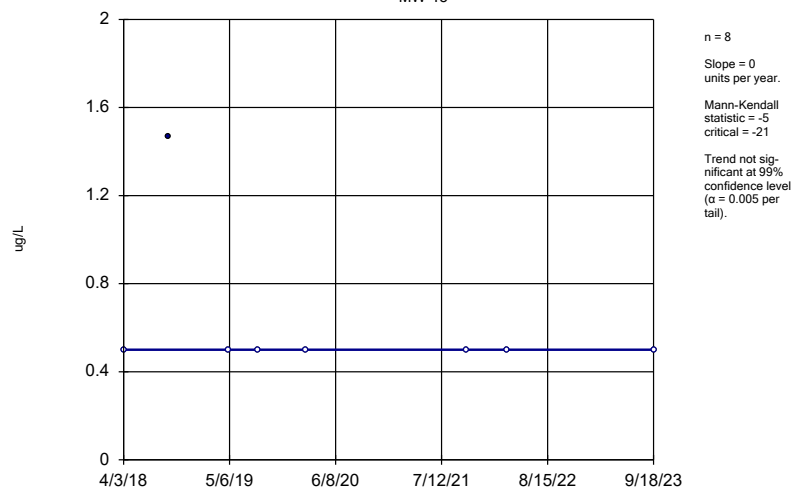
MW-17



Constituent: Cadmium Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator

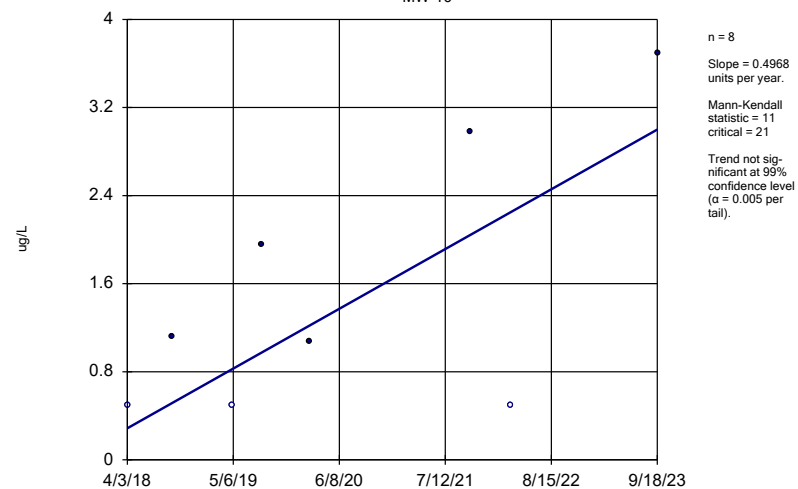
MW-15



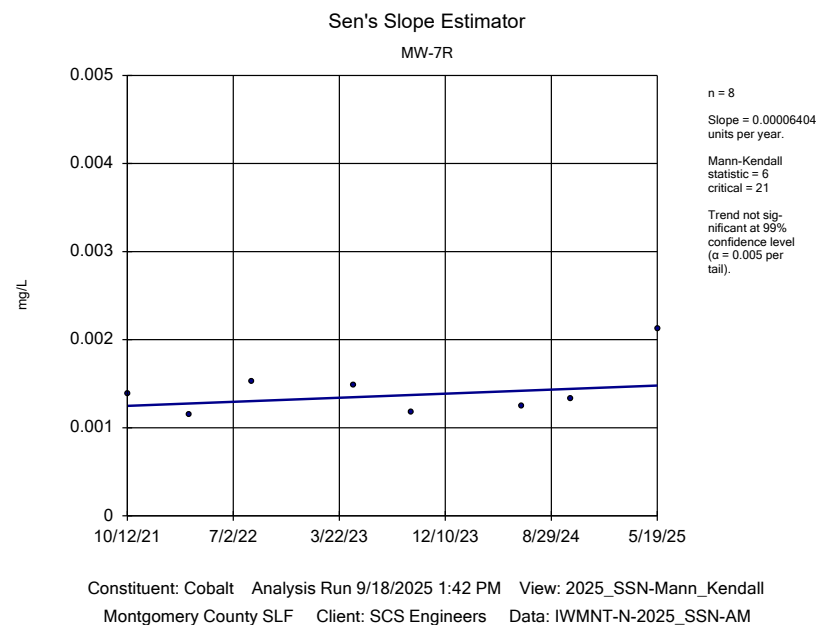
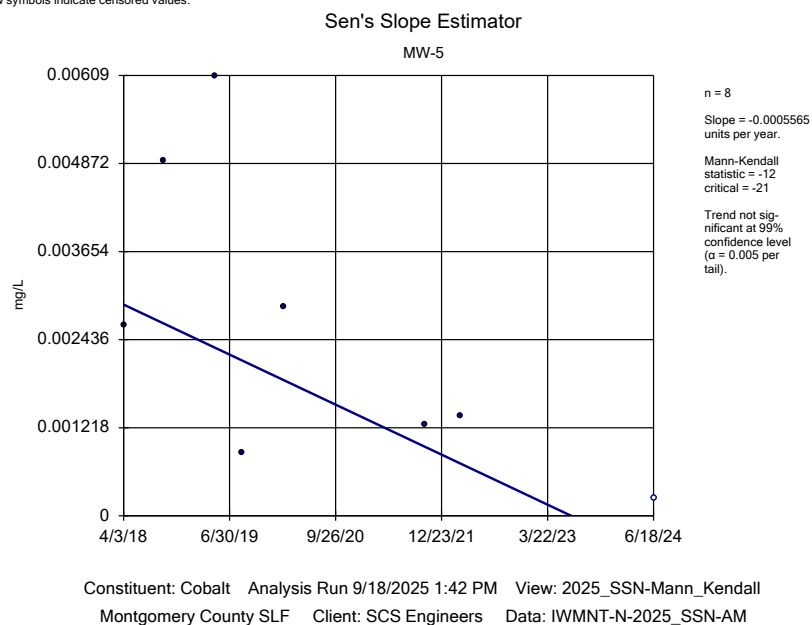
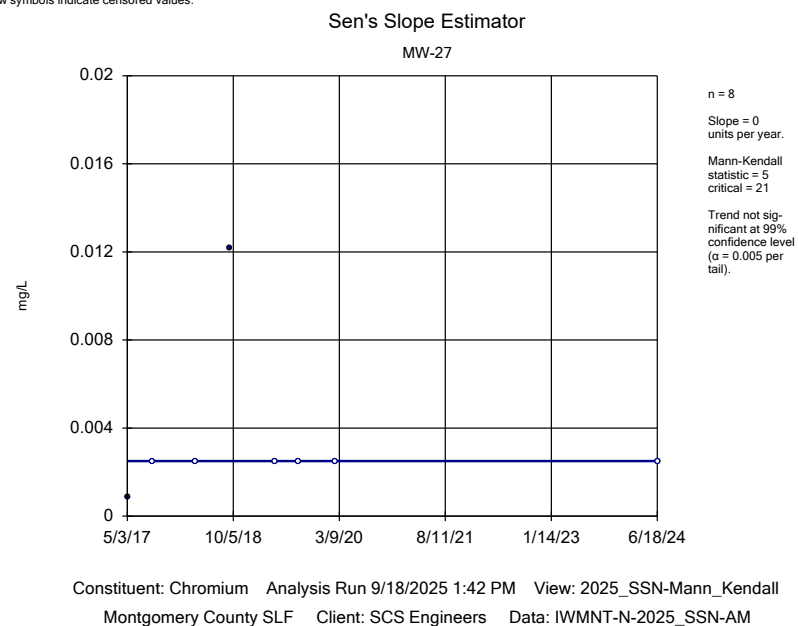
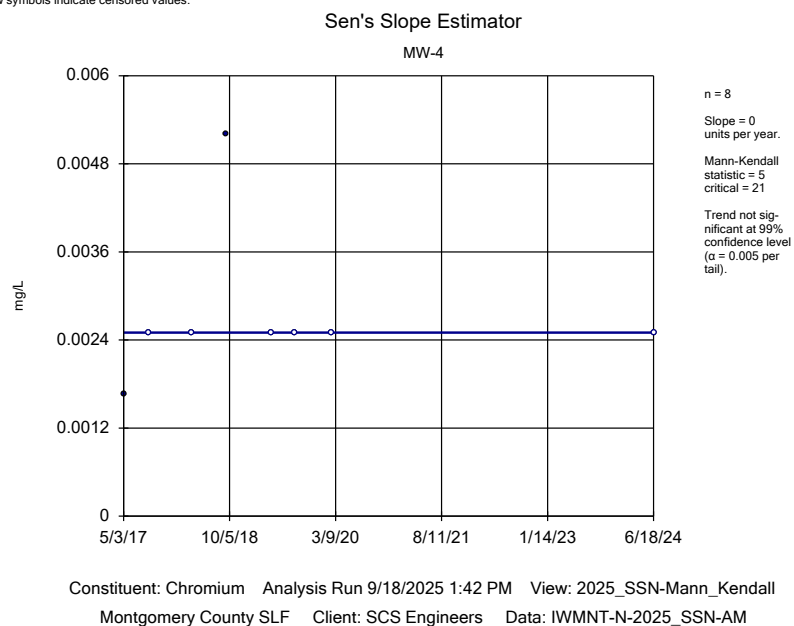
Constituent: Carbon disulfide Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

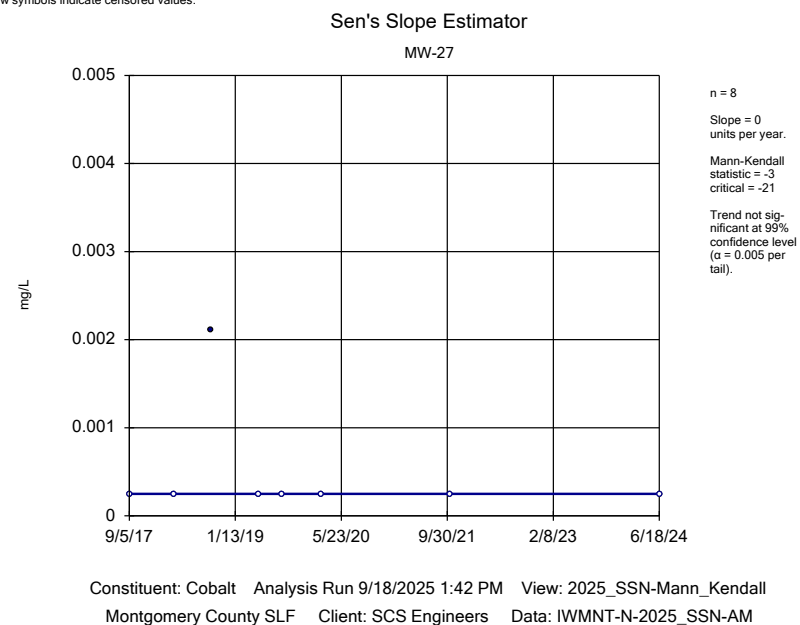
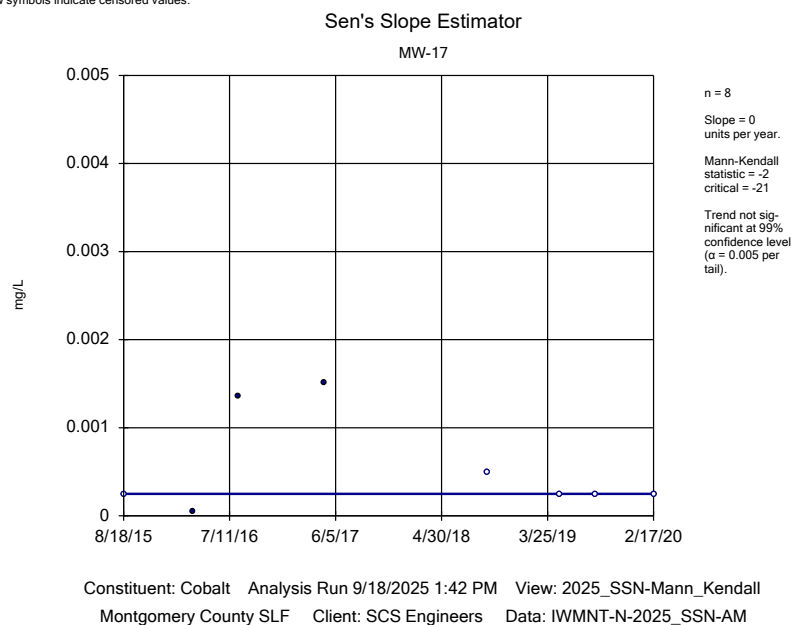
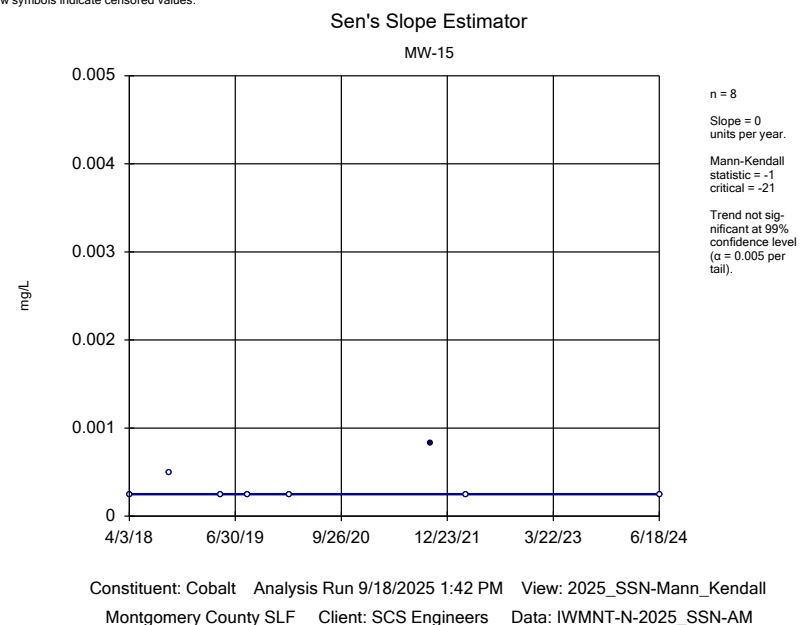
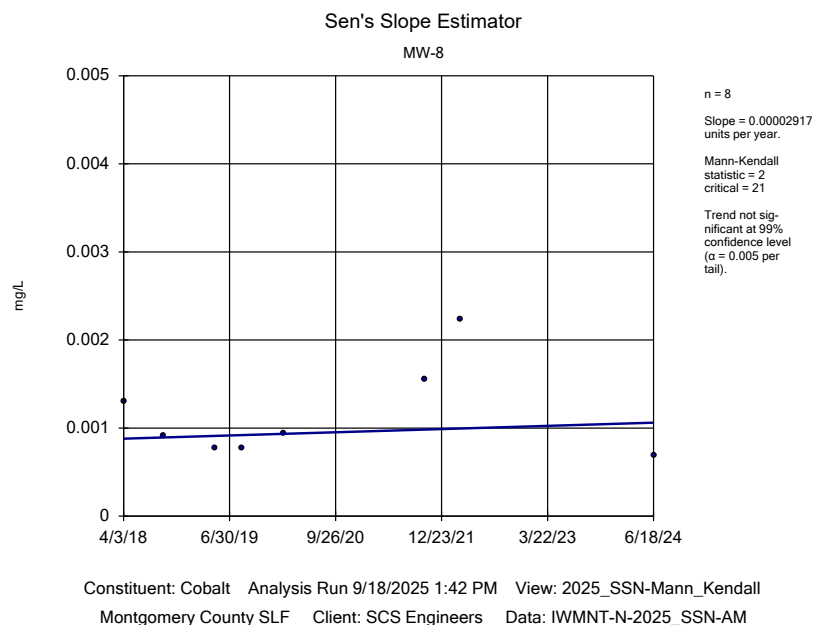
Sen's Slope Estimator

MW-16



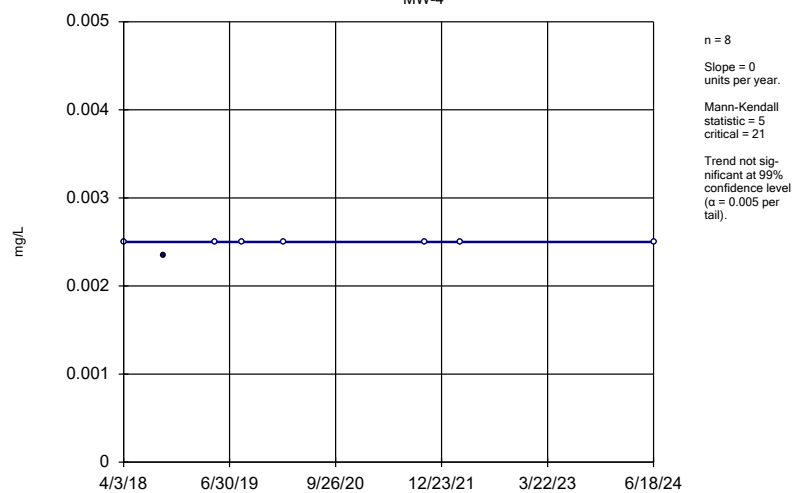
Constituent: Chlorobenzene Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM





Sen's Slope Estimator

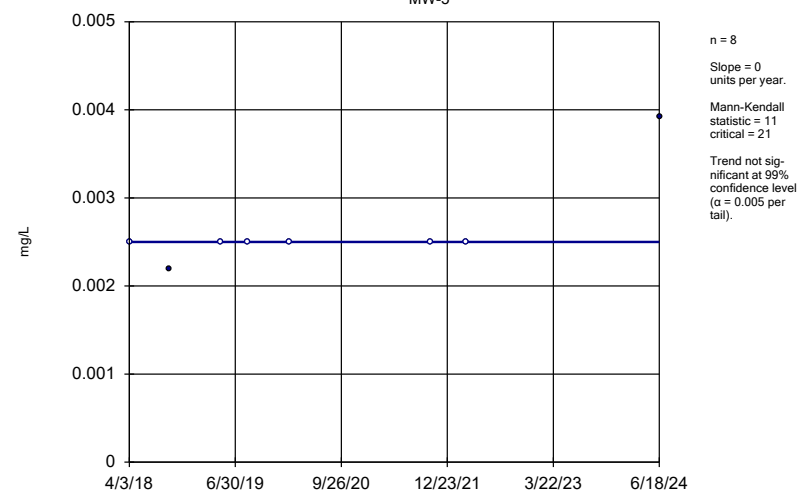
MW-4



Constituent: Copper Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator

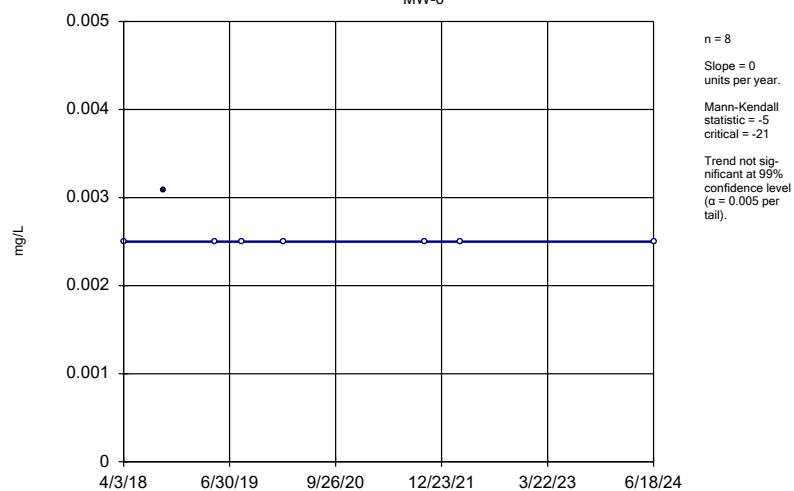
MW-5



Constituent: Copper Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator

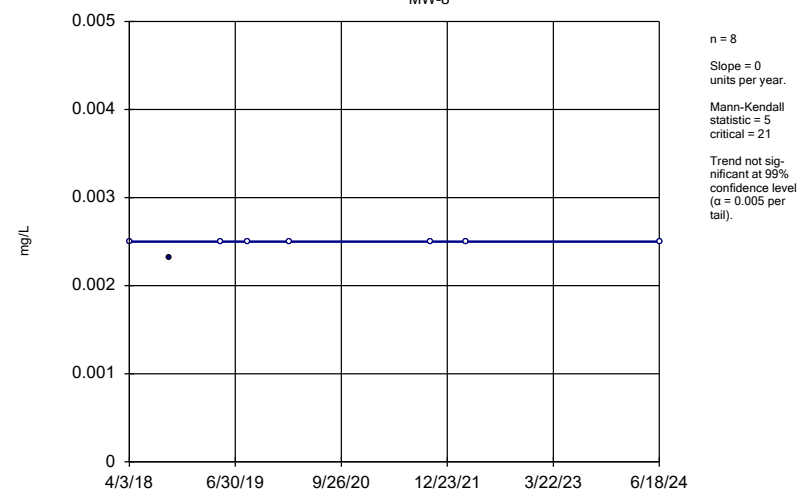
MW-6



Constituent: Copper Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator

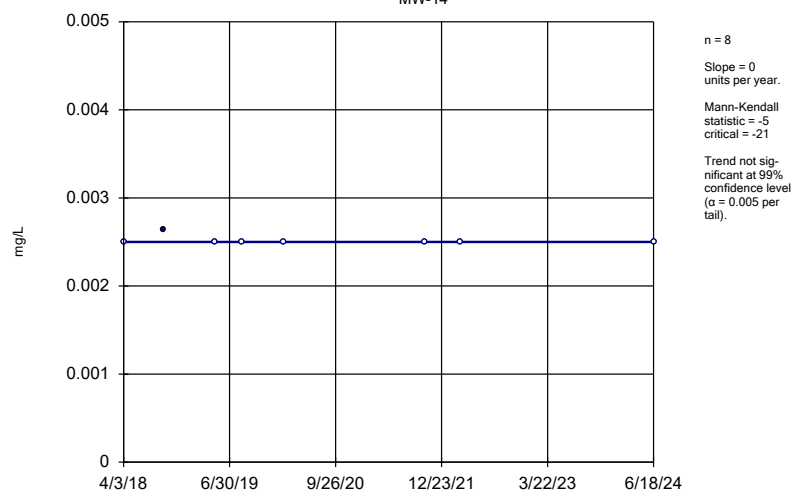
MW-8



Constituent: Copper Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator

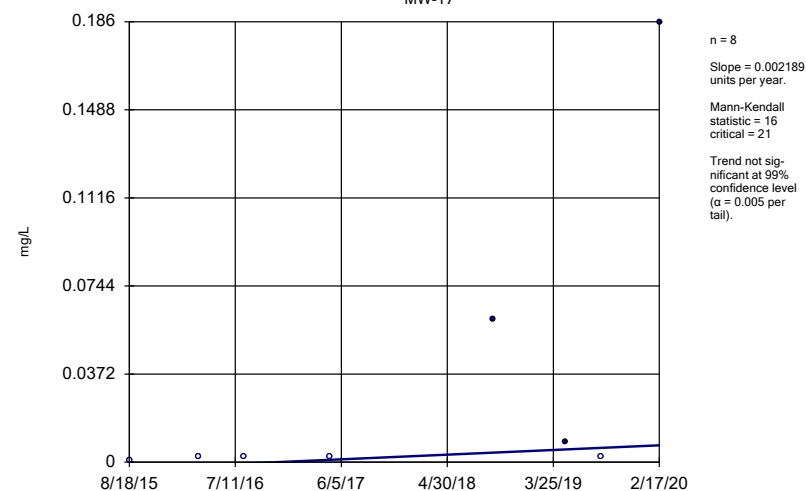
MW-14



Constituent: Copper Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator

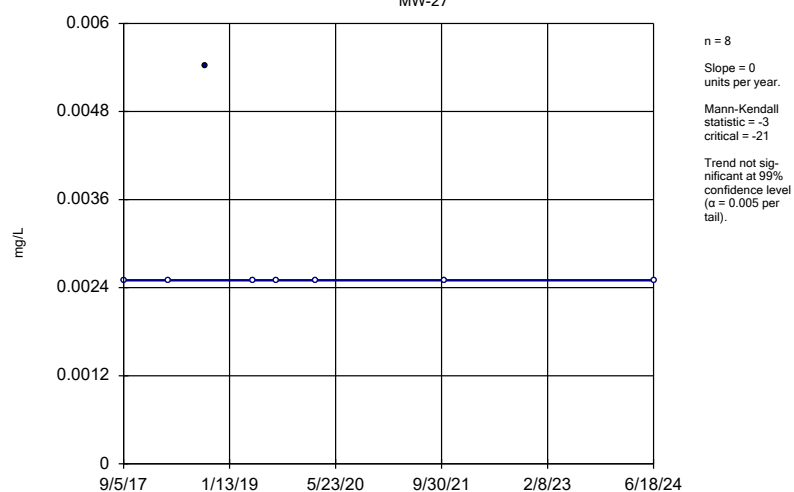
MW-17



Constituent: Copper Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator

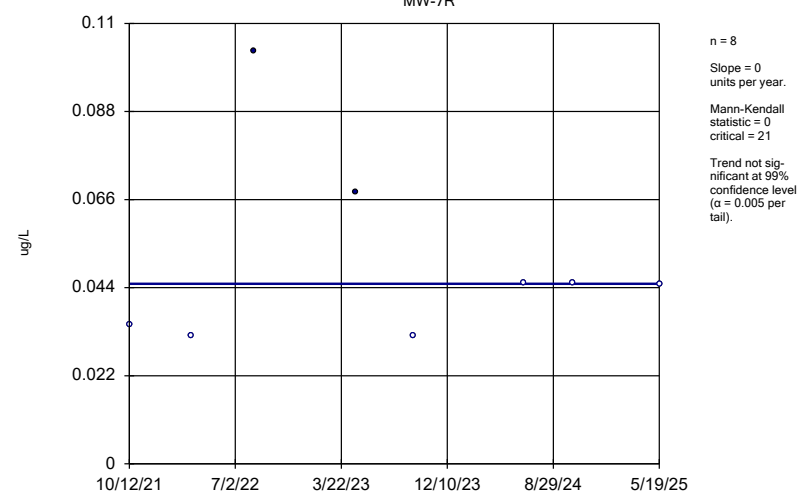
MW-27



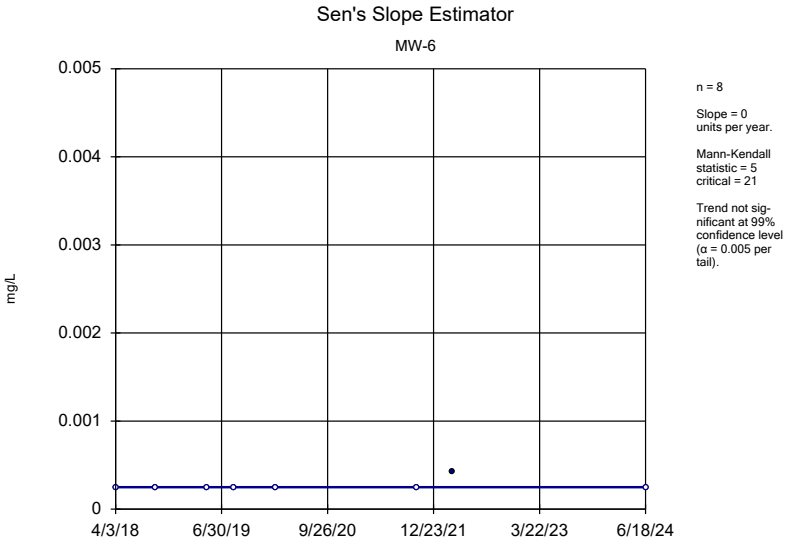
Constituent: Copper Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator

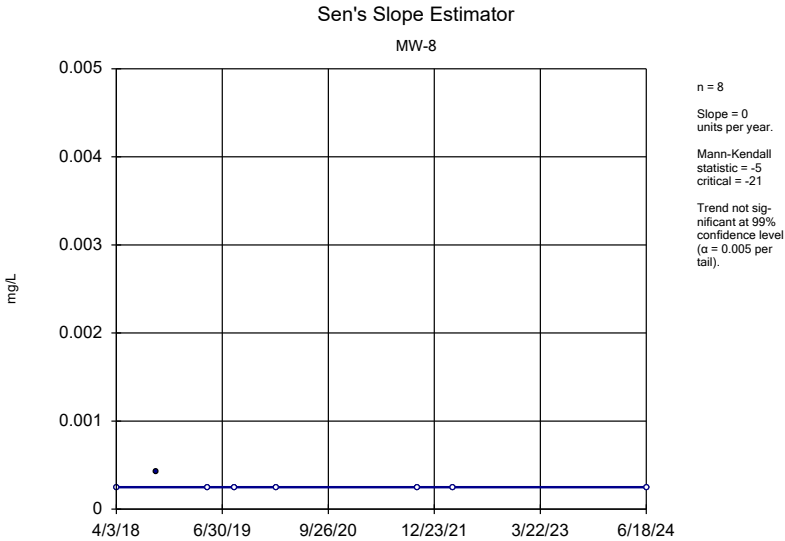
MW-7R



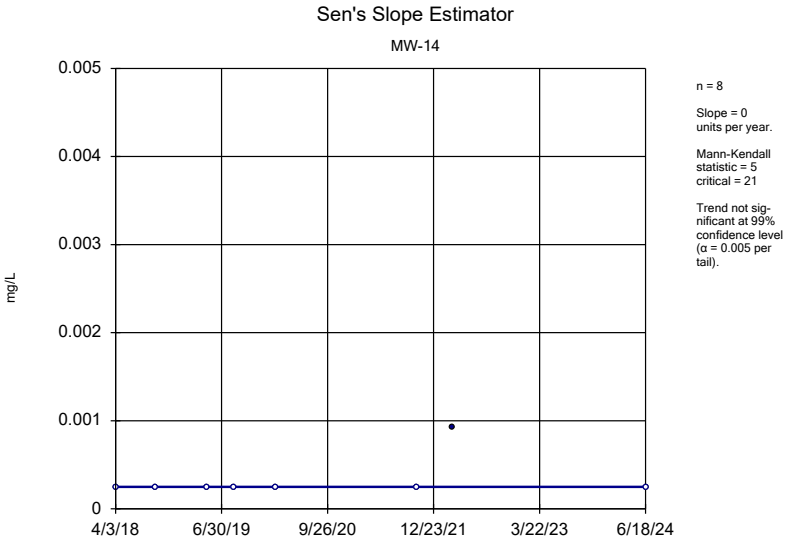
Constituent: Endosulfan I Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



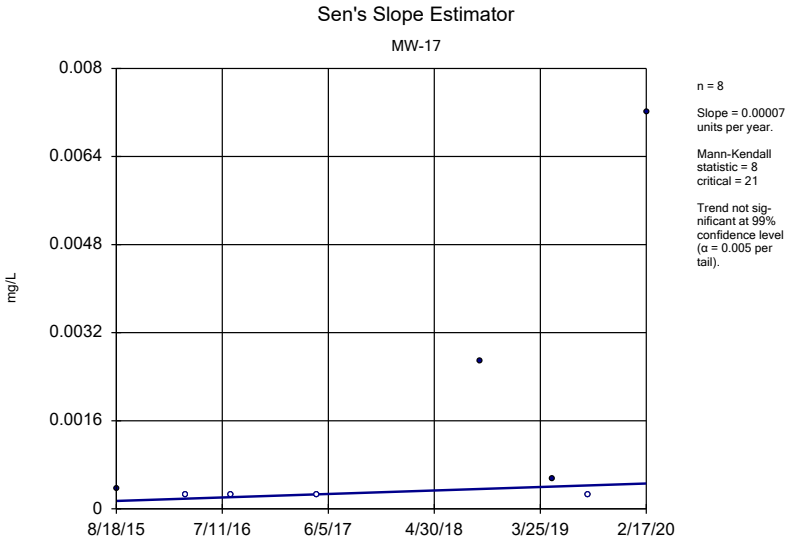
Constituent: Lead Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
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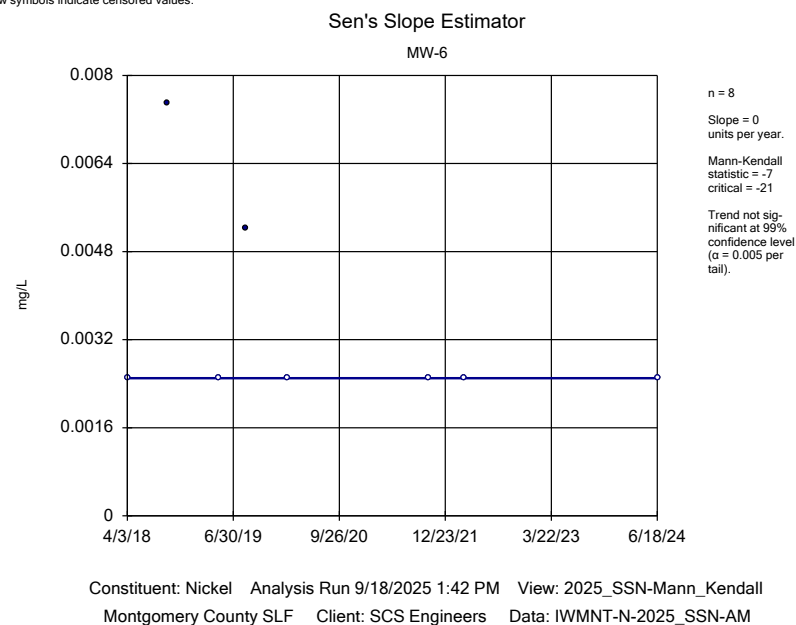
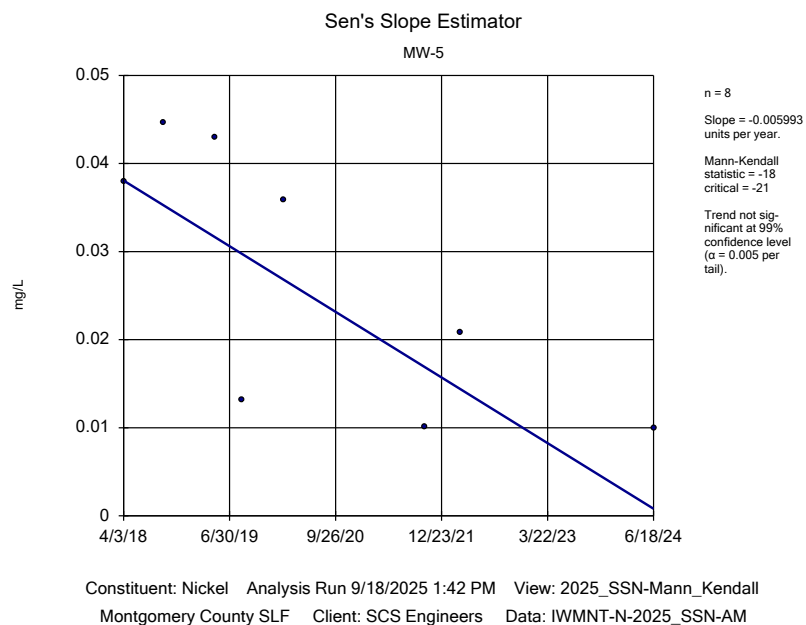
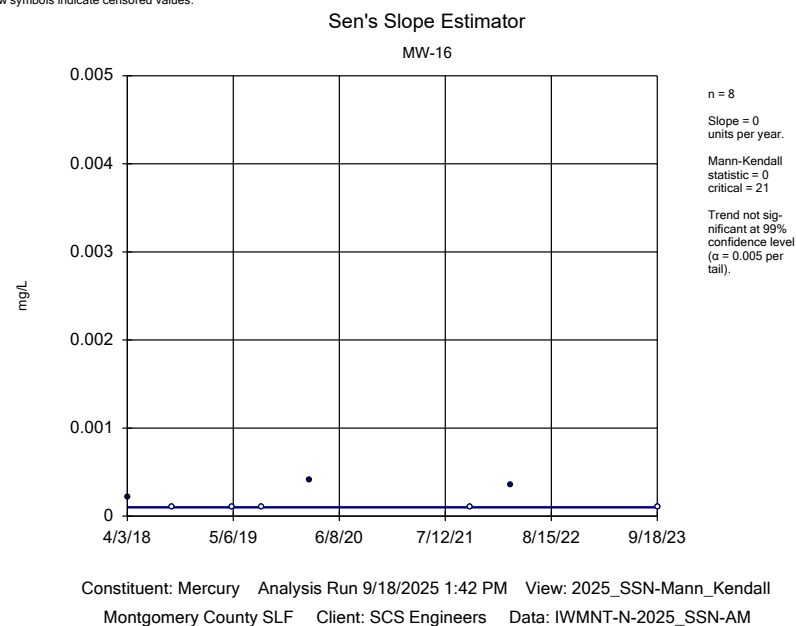
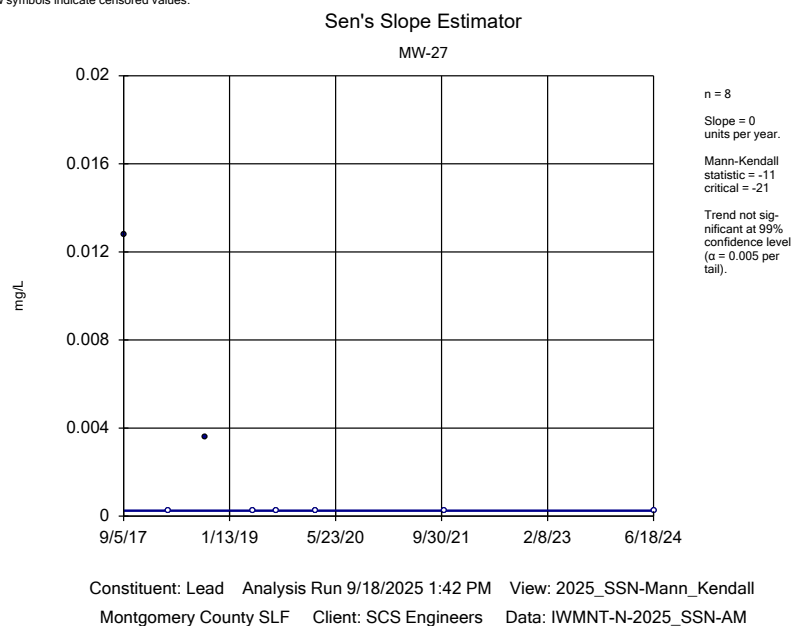
Constituent: Lead Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

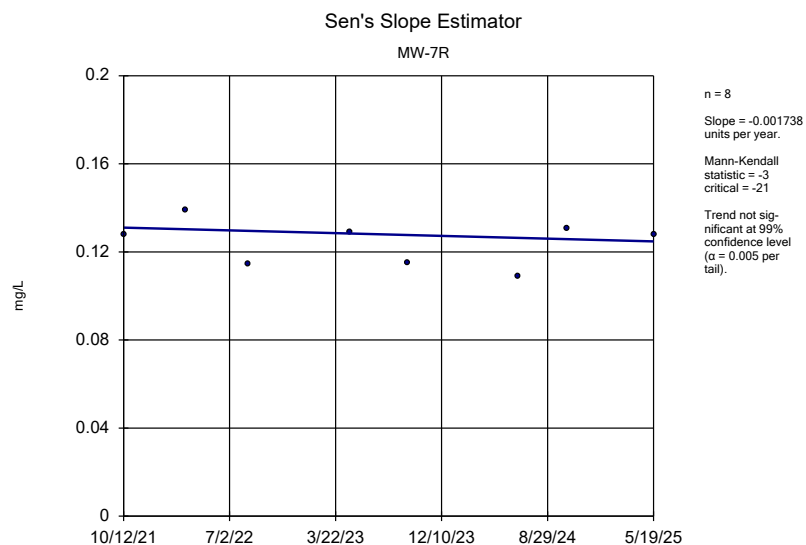


Constituent: Lead Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

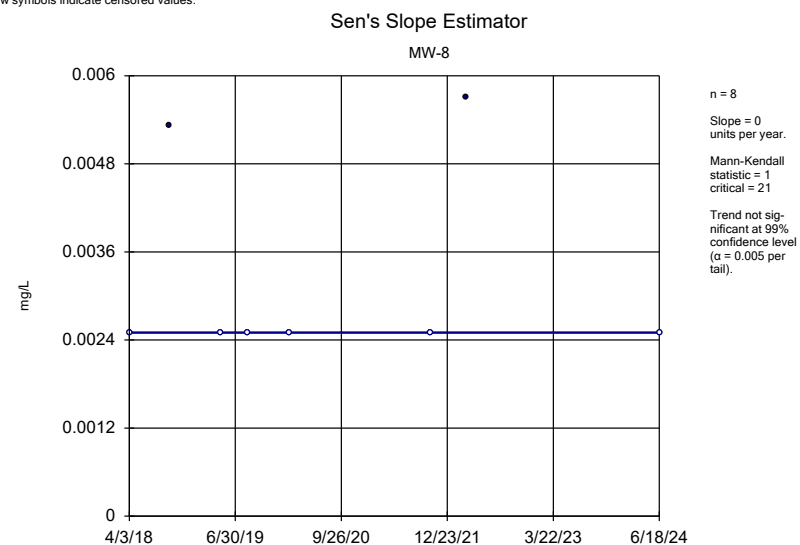


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Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

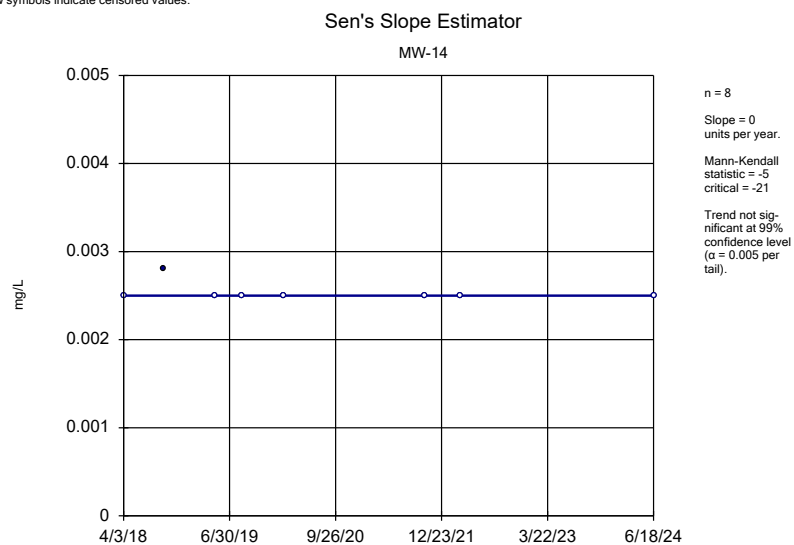




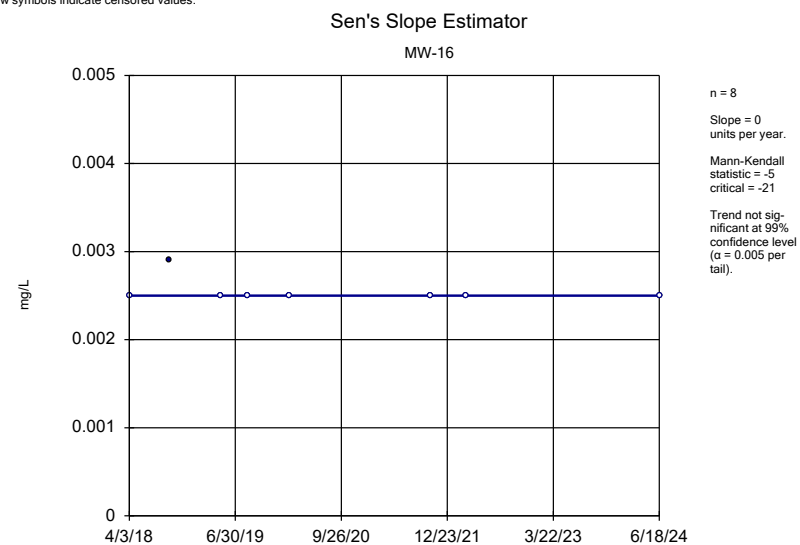
Constituent: Nickel Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



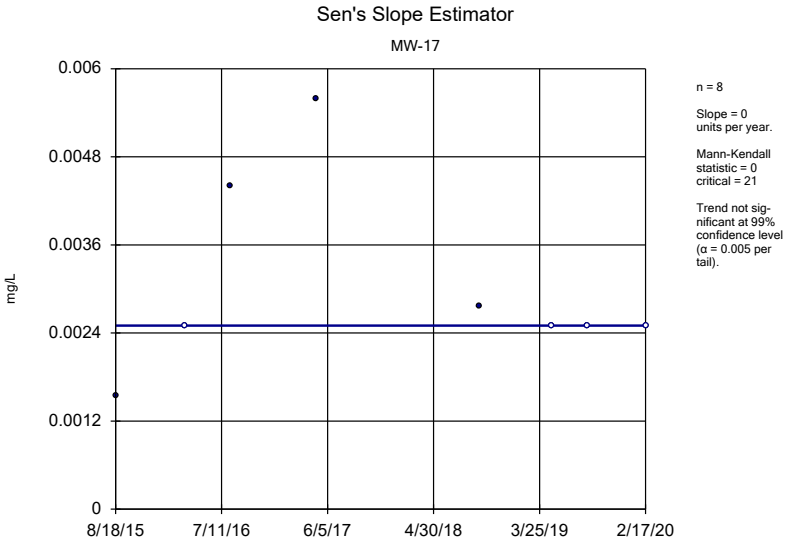
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Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



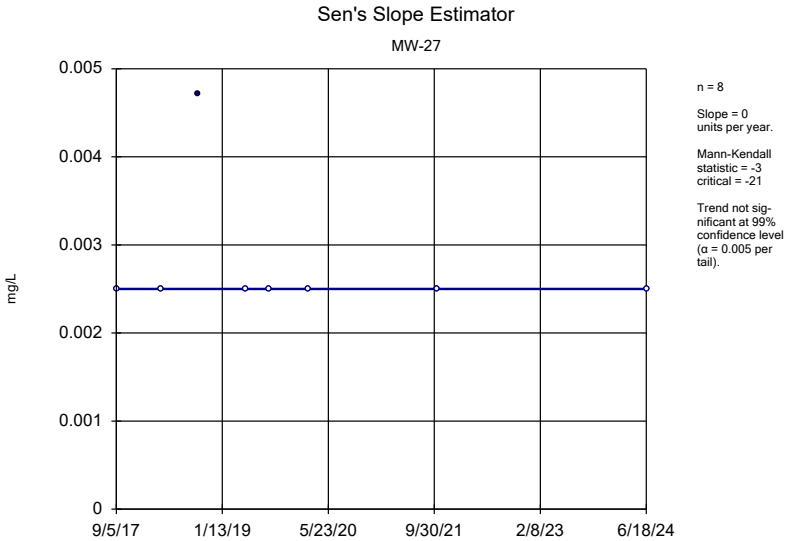
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Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



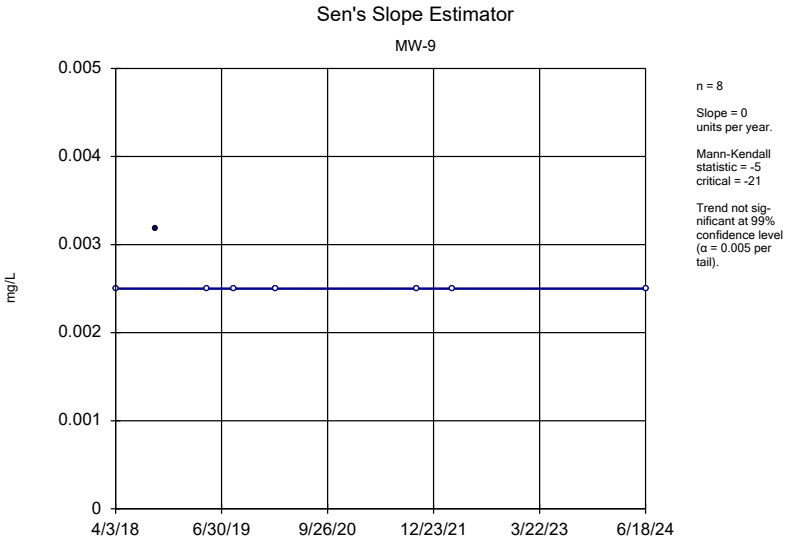
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Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



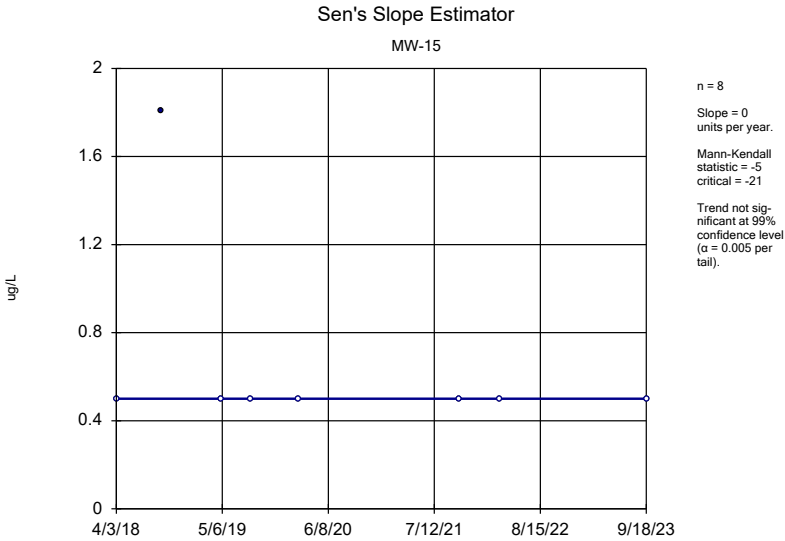
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Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



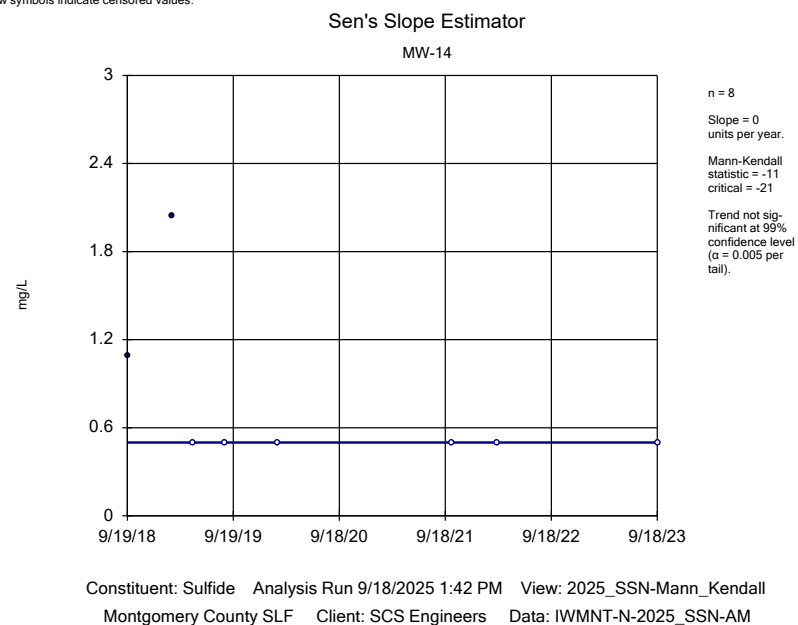
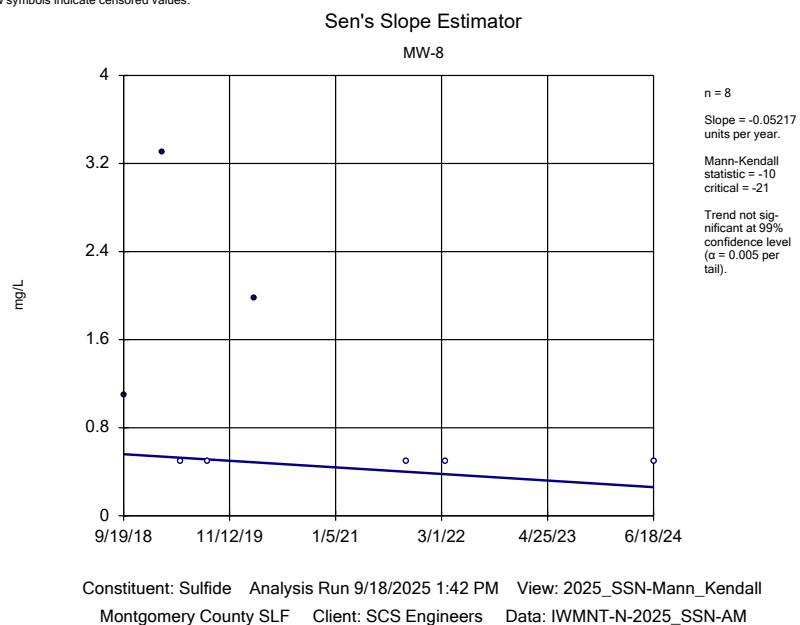
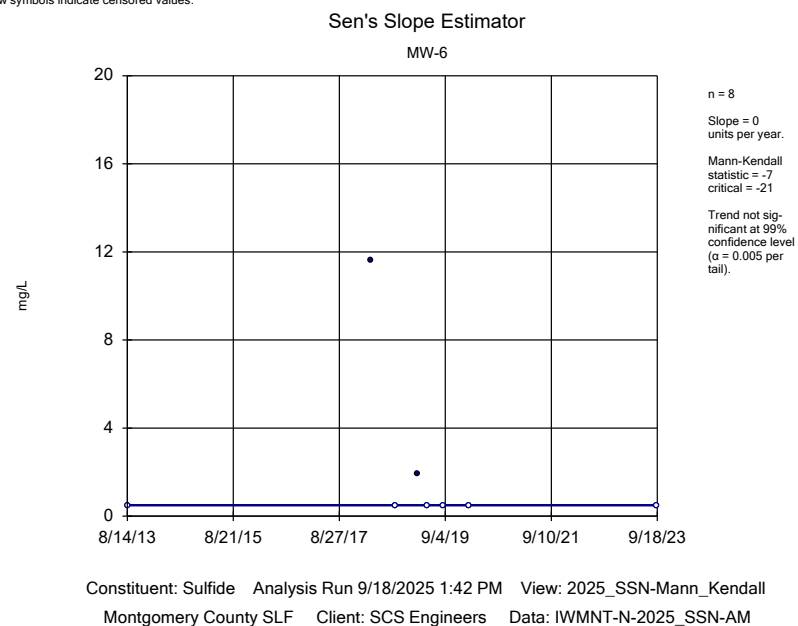
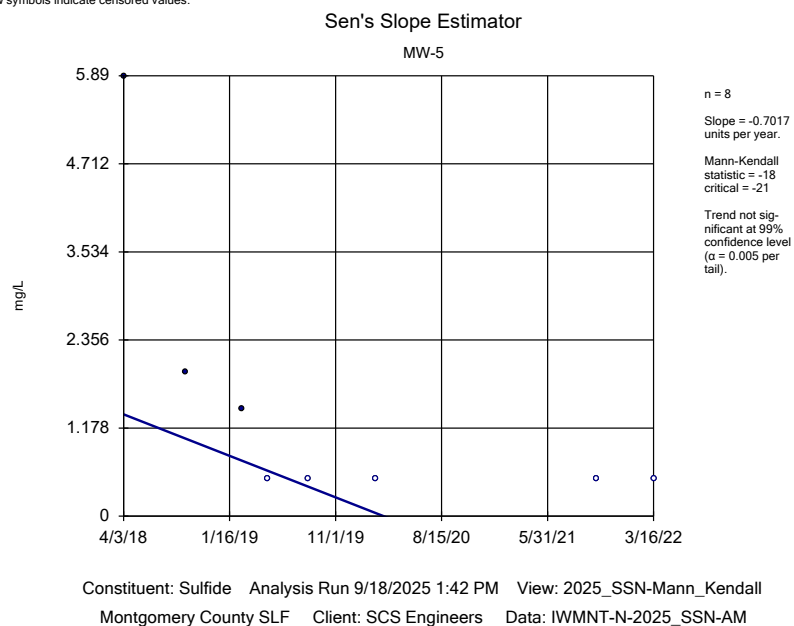
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Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



Constituent: Selenium Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

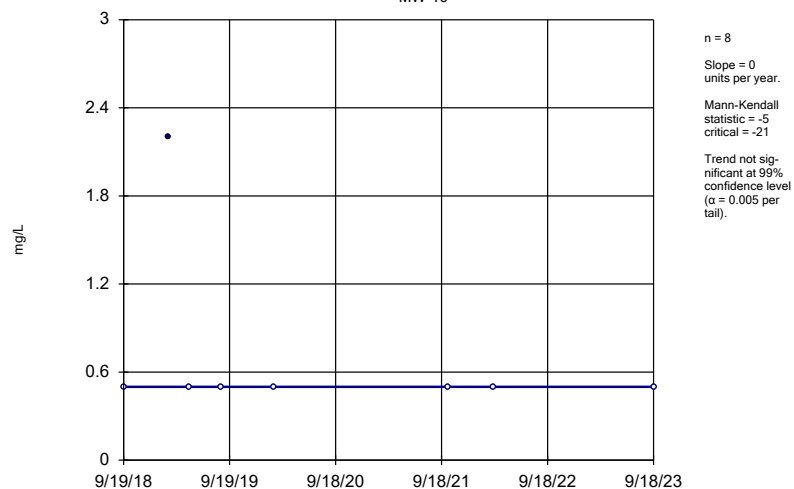


Constituent: Styrene Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



Sen's Slope Estimator

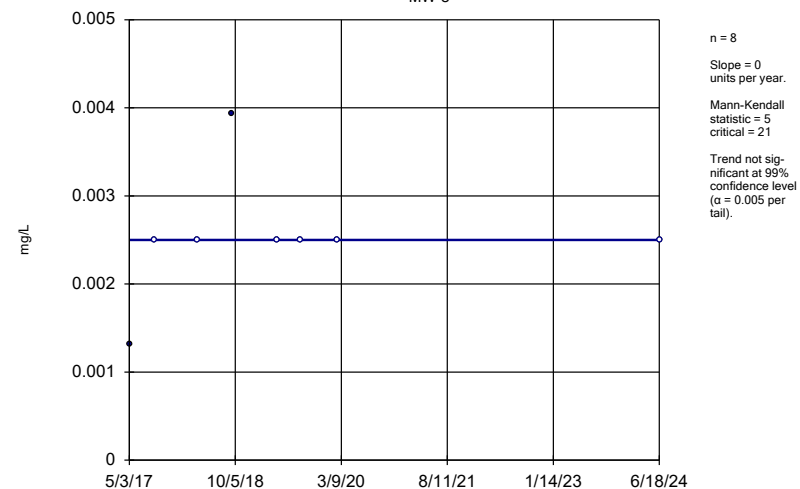
MW-16



Constituent: Sulfide Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator

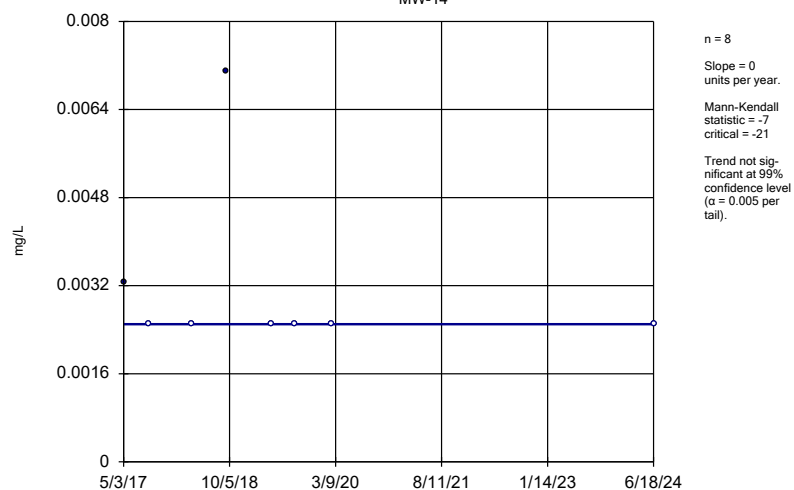
MW-8



Constituent: Vanadium Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator

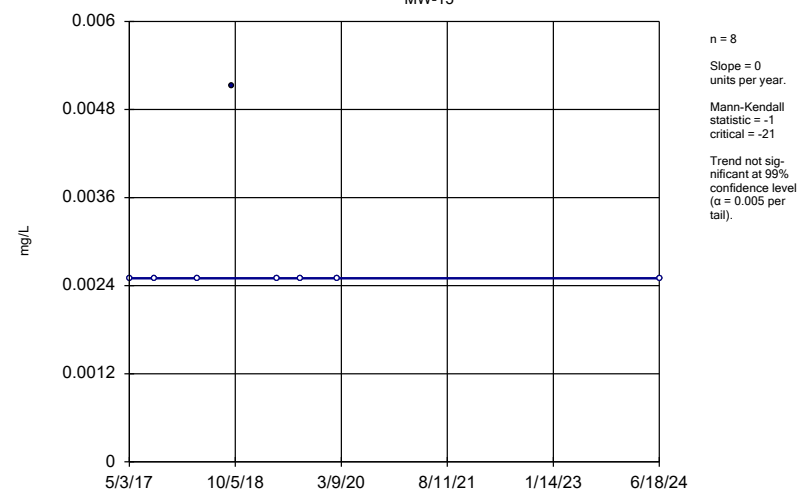
MW-14



Constituent: Vanadium Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator

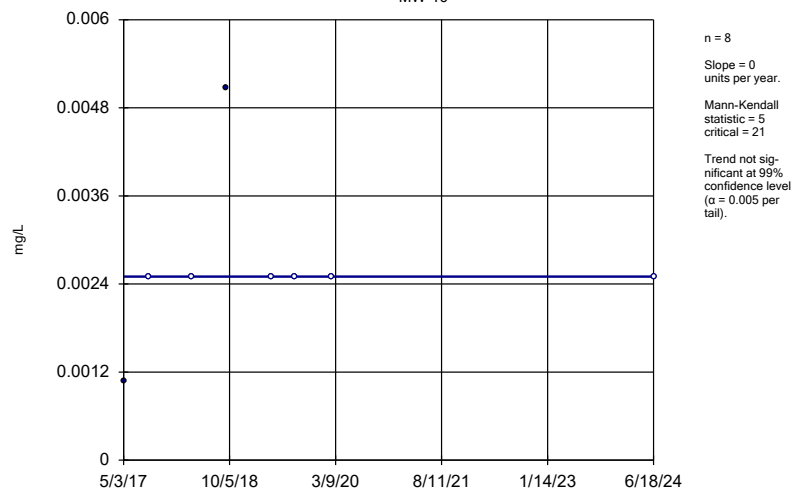
MW-15



Constituent: Vanadium Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator

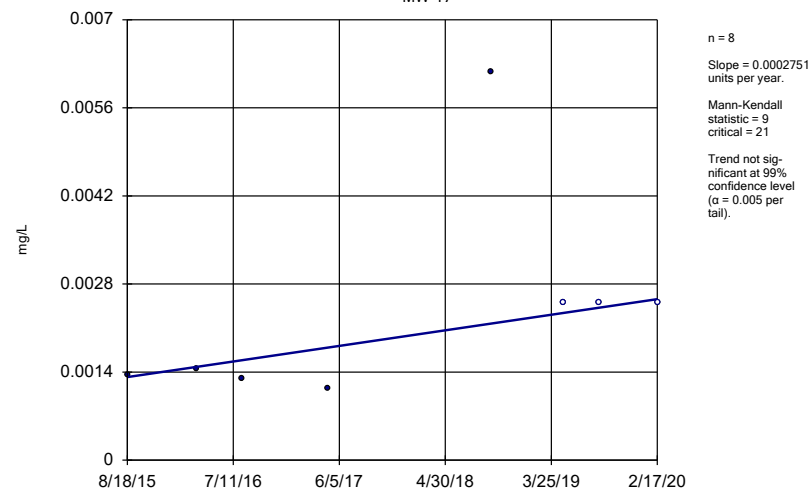
MW-16



Constituent: Vanadium Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator

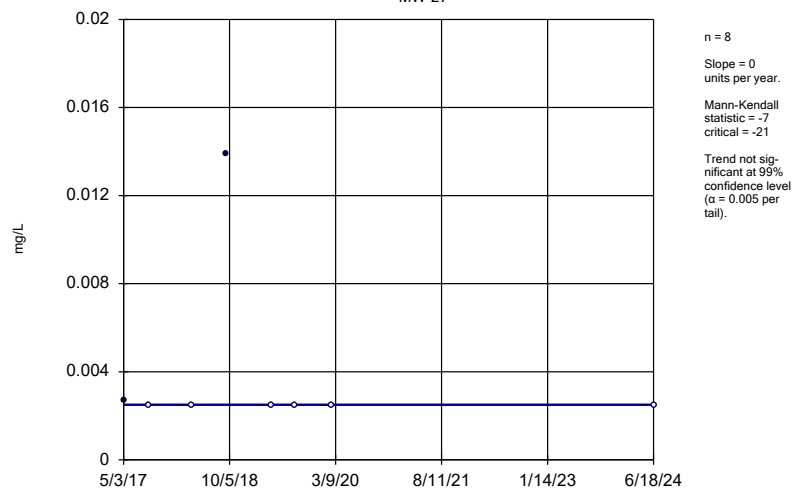
MW-17



Constituent: Vanadium Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator

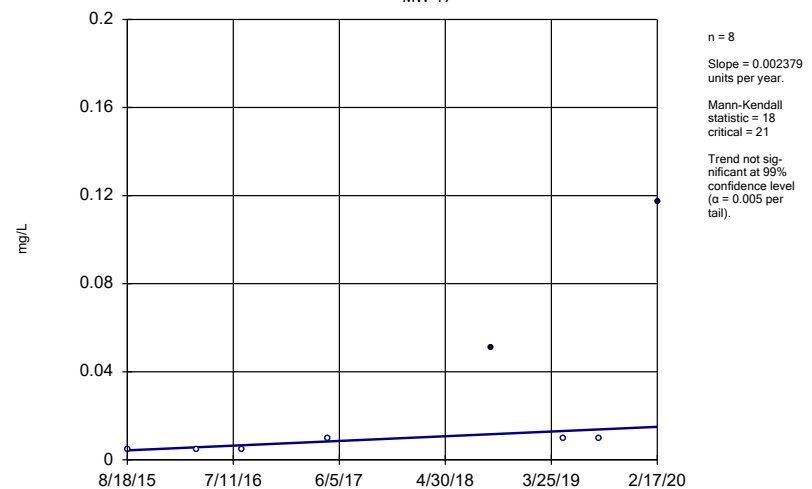
MW-27



Constituent: Vanadium Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

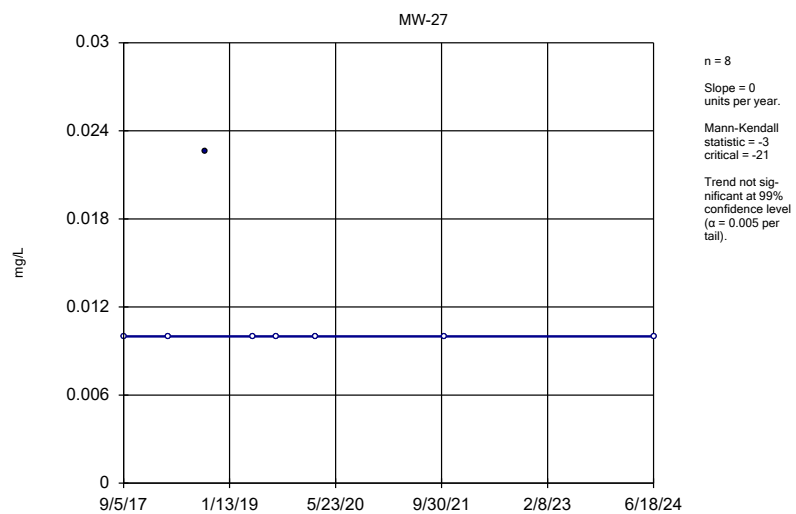
Sen's Slope Estimator

MW-17



Constituent: Zinc Analysis Run 9/18/2025 1:42 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Sen's Slope Estimator



Constituent: Zinc Analysis Run 9/18/2025 1:43 PM View: 2025_SSN-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Confidence Interval Table and Graphs

Confidence Interval

Montgomery County SLF

Client: SCS Engineers

Data: IWMNT-N-2025_SSN-AM

Printed 9/18/2025, 2:25 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
1,1-Dichloroethane (ug/L)	MW-7R	1.268	0.7766	140	No	8	37.5	No	0.01	Param.
1,1-Dichloroethane (ug/L)	MW-16	3.434	2.011	140	No	8	0	No	0.01	Param.
1,1-Dichloroethene (ug/L)	MW-27	3.085	1	7	No	8	87.5	No	0.004	NP (NDs)
1,2-Dichloroethane (ug/L)	MW-15	6.69	0.5	5	No	8	87.5	No	0.004	NP (NDs)
1,4-Dichlorobenzene (ug/L)	MW-16	1.263	0.9323	75	No	8	37.5	No	0.01	Param.
4,4'-DDE (ug/L)	MW-16	0.121	0.016	0.51	No	5	80	No	0.031	NP (NDs)
Acetone (ug/L)	MW-17	10.2	4.83	6300	No	8	50	No	0.004	NP (normality)
Acrylonitrile (ug/L)	MW-15	21.8	2.5	10	No	8	87.5	No	0.004	NP (NDs)
alpha-BHC (ug/L)	MW-7R	0.157	0.02965	0.0696	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-4	0.0016	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-5	0.00221	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-6	0.00275	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-8	0.00221	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-9	0.00184	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-14	0.00361	0.001	0.01	No	8	75	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-15	0.00181	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-16	0.00246	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-17	0.00253	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-27	0.00271	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Barium (mg/L)	MW-4	0.1958	0.186	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-6	0.2507	0.1441	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-7R	1.694	1.333	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-8	0.1345	0.106	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-9	0.1676	0.1423	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-14	0.9027	0.7483	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-15	0.1032	0.07191	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-16	0.6509	0.5404	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-17	0.6068	0.4287	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-27	0.3315	0.2774	2	No	8	0	No	0.01	Param.
beta-BHC (ug/L)	MW-7R	0.745	0.032	0.042	No	8	62.5	No	0.004	NP (NDs)
beta-BHC (ug/L)	MW-16	2.06	0.0176	0.042	No	8	50	No	0.004	NP (normality)
Cadmium (mg/L)	MW-5	0.0004849	0.0001653	0.005	No	8	37.5	No	0.01	Param.
Cadmium (mg/L)	MW-7R	0.00493	0.0001	0.005	No	8	37.5	No	0.004	NP (normality)
Cadmium (mg/L)	MW-9	0.000379	0.00005	0.005	No	8	75	No	0.004	NP (NDs)
Cadmium (mg/L)	MW-14	0.00025	0.00005	0.005	No	8	87.5	No	0.004	NP (NDs)
Cadmium (mg/L)	MW-16	0.00025	0.00005	0.005	No	8	87.5	No	0.004	NP (NDs)
Cadmium (mg/L)	MW-17	0.00025	0.000093	0.005	No	8	75	No	0.004	NP (NDs)
Carbon disulfide (ug/L)	MW-15	1.47	0.5	700	No	8	87.5	No	0.004	NP (NDs)
Chlorobenzene (ug/L)	MW-16	2.777	0.6757	100	No	8	37.5	No	0.01	Param.
Chromium (mg/L)	MW-4	0.00521	0.00166	0.1	No	8	75	No	0.004	NP (NDs)
Chromium (mg/L)	MW-27	0.0122	0.000877	0.1	No	8	75	No	0.004	NP (NDs)
Cobalt (mg/L)	MW-5	0.004708	0.0003722	0.0021	No	8	12.5	No	0.01	Param.
Cobalt (mg/L)	MW-7R	0.001762	0.001098	0.0021	No	8	0	No	0.01	Param.
Cobalt (mg/L)	MW-8	0.001705	0.0005866	0.0021	No	8	0	No	0.01	Param.
Cobalt (mg/L)	MW-15	0.00083	0.00025	0.0021	No	8	87.5	No	0.004	NP (NDs)
Cobalt (mg/L)	MW-17	0.00151	0.000055	0.0021	No	8	62.5	No	0.004	NP (NDs)
Cobalt (mg/L)	MW-27	0.00211	0.00025	0.0021	No	8	87.5	No	0.004	NP (NDs)
Copper (mg/L)	MW-4	0.0025	0.00234	1.3	No	8	87.5	No	0.004	NP (NDs)
Copper (mg/L)	MW-5	0.003915	0.0022	1.3	No	8	75	No	0.004	NP (NDs)
Copper (mg/L)	MW-6	0.00308	0.0025	1.3	No	8	87.5	No	0.004	NP (NDs)

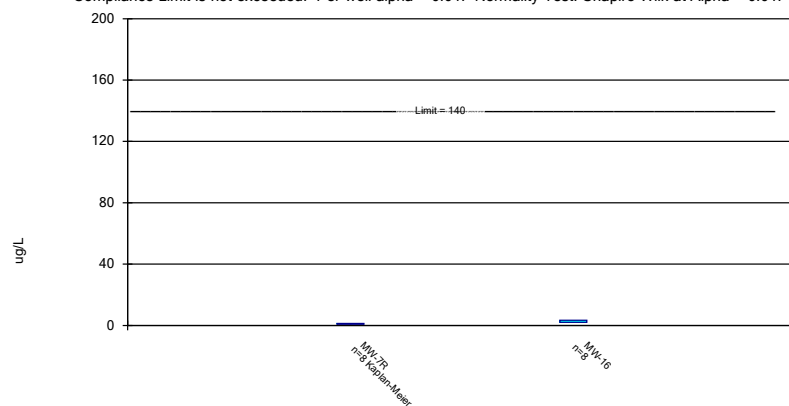
Confidence Interval

Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM Printed 9/18/2025, 2:25 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Copper (mg/L)	MW-8	0.0025	0.002325	1.3	No	8	87.5	No	0.004	NP (NDs)
Copper (mg/L)	MW-14	0.00264	0.0025	1.3	No	8	87.5	No	0.004	NP (NDs)
Copper (mg/L)	MW-17	0.186	0.001	1.3	No	8	62.5	No	0.004	NP (NDs)
Copper (mg/L)	MW-27	0.00543	0.0025	1.3	No	8	87.5	No	0.004	NP (NDs)
Endosulfan I (ug/L)	MW-7R	0.103	0.032	42	No	8	75	No	0.004	NP (NDs)
Lead (mg/L)	MW-6	0.0004275	0.00025	0.015	No	8	87.5	No	0.004	NP (NDs)
Lead (mg/L)	MW-8	0.000422	0.00025	0.015	No	8	87.5	No	0.004	NP (NDs)
Lead (mg/L)	MW-14	0.000933	0.00025	0.015	No	8	87.5	No	0.004	NP (NDs)
Lead (mg/L)	MW-17	0.00722	0.00025	0.015	No	8	50	No	0.004	NP (normality)
Lead (mg/L)	MW-27	0.0128	0.00025	0.015	No	8	75	No	0.004	NP (NDs)
Mercury (mg/L)	MW-16	0.000408	0.0001	0.002	No	8	62.5	No	0.004	NP (NDs)
Nickel (mg/L)	MW-5	0.0428	0.01103	0.1	No	8	0	No	0.01	Param.
Nickel (mg/L)	MW-6	0.0075	0.0025	0.1	No	8	75	No	0.004	NP (NDs)
Nickel (mg/L)	MW-7R	0.1349	0.1134	0.1	Yes	8	0	No	0.01	Param.
Nickel (mg/L)	MW-8	0.0057	0.0025	0.1	No	8	75	No	0.004	NP (NDs)
Nickel (mg/L)	MW-14	0.00281	0.0025	0.1	No	8	87.5	No	0.004	NP (NDs)
Nickel (mg/L)	MW-16	0.0029	0.0025	0.1	No	8	87.5	No	0.004	NP (NDs)
Nickel (mg/L)	MW-17	0.004738	0.00174	0.1	No	8	50	No	0.01	Param.
Nickel (mg/L)	MW-27	0.00472	0.0025	0.1	No	8	87.5	No	0.004	NP (NDs)
Selenium (mg/L)	MW-9	0.00318	0.0025	0.05	No	8	87.5	No	0.004	NP (NDs)
Styrene (ug/L)	MW-15	1.81	0.5	100	No	8	87.5	No	0.004	NP (NDs)
Sulfide (mg/L)	MW-5	5.89	0.5	1	No	8	62.5	No	0.004	NP (NDs)
Sulfide (mg/L)	MW-6	11.6	0.5	1	No	8	75	No	0.004	NP (NDs)
Sulfide (mg/L)	MW-8	3.3	0.5	1	No	8	62.5	No	0.004	NP (NDs)
Sulfide (mg/L)	MW-14	2.04	0.5	1	No	8	75	No	0.004	NP (NDs)
Sulfide (mg/L)	MW-16	2.2	0.5	1	No	8	87.5	No	0.004	NP (NDs)
Vanadium (mg/L)	MW-8	0.00394	0.00131	0.035	No	8	75	No	0.004	NP (NDs)
Vanadium (mg/L)	MW-14	0.0071	0.0025	0.035	No	8	75	No	0.004	NP (NDs)
Vanadium (mg/L)	MW-15	0.00512	0.0025	0.035	No	8	87.5	No	0.004	NP (NDs)
Vanadium (mg/L)	MW-16	0.00507	0.00108	0.035	No	8	75	No	0.004	NP (NDs)
Vanadium (mg/L)	MW-17	0.00617	0.00114	0.035	No	8	37.5	No	0.004	NP (normality)
Vanadium (mg/L)	MW-27	0.0139	0.0025	0.035	No	8	75	No	0.004	NP (NDs)
Zinc (mg/L)	MW-17	0.117	0.005	2	No	8	75	No	0.004	NP (NDs)
Zinc (mg/L)	MW-27	0.0226	0.01	2	No	8	87.5	No	0.004	NP (NDs)

Parametric Confidence Interval

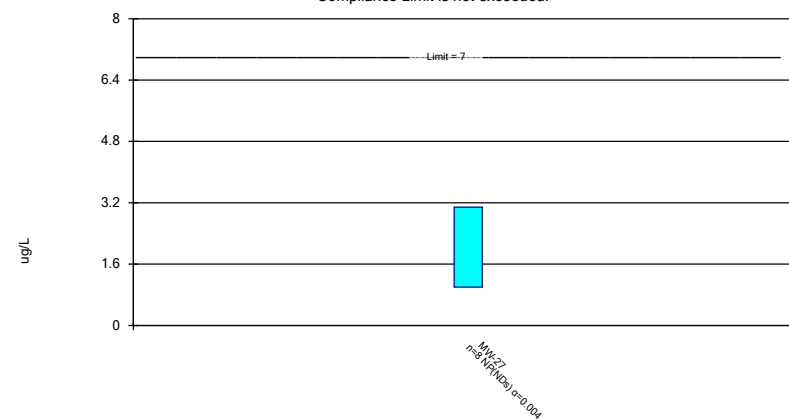
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: 1,1-Dichloroethane Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Non-Parametric Confidence Interval

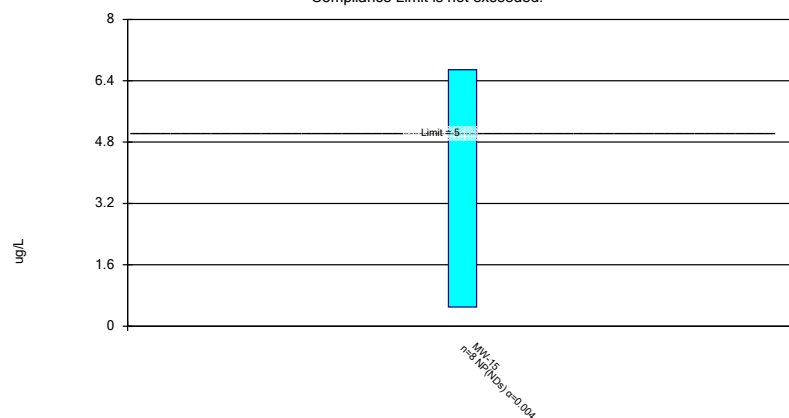
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Constituent: 1,1-Dichloroethane Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Non-Parametric Confidence Interval

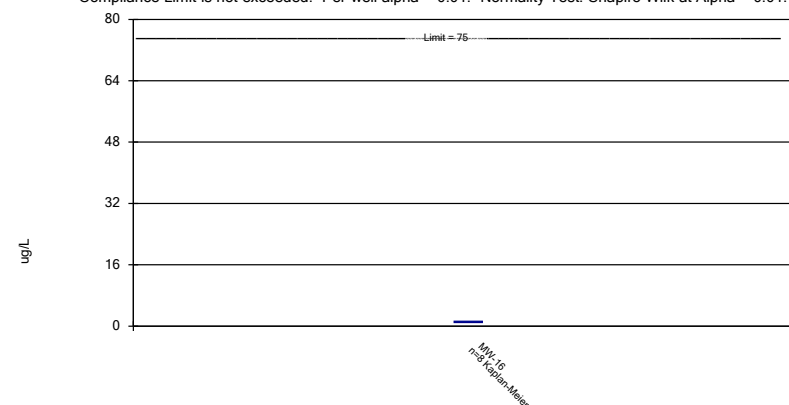
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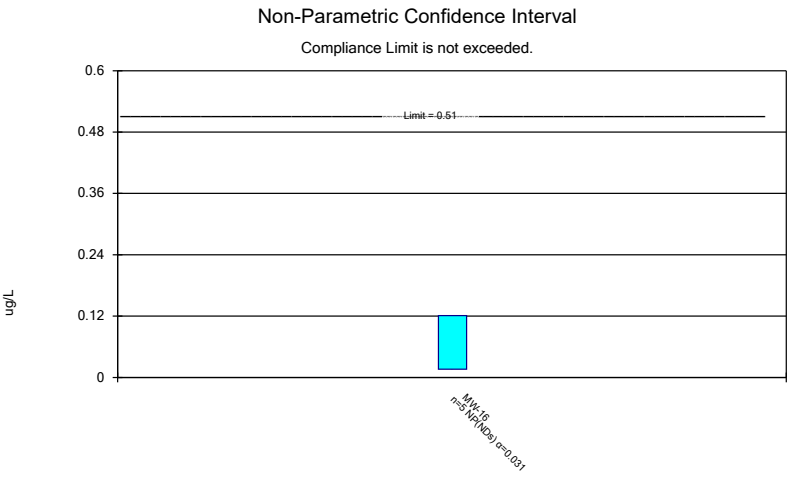
Constituent: 1,2-Dichloroethane Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Parametric Confidence Interval

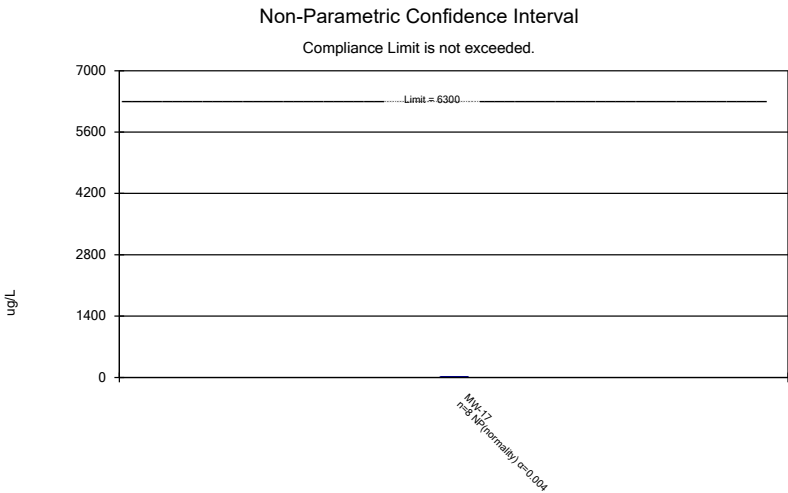
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



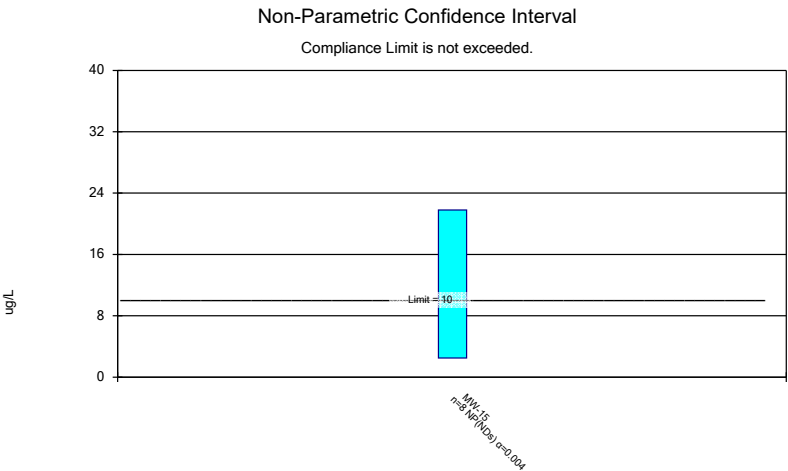
Constituent: 1,4-Dichlorobenzene Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



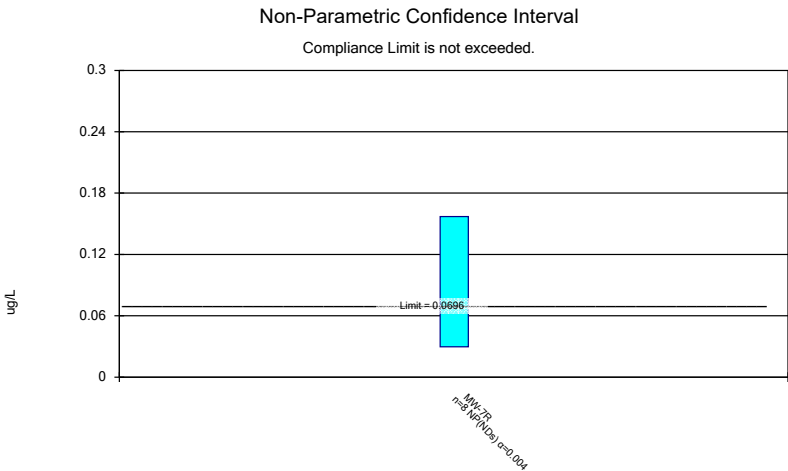
Constituent: 4,4'-DDE Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



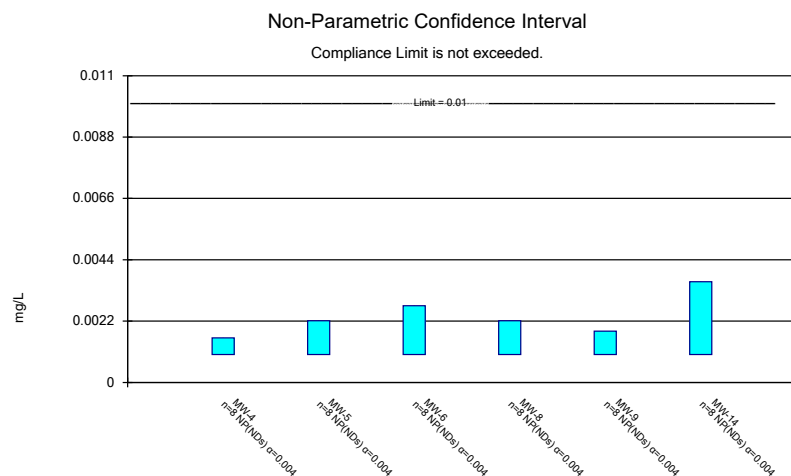
Constituent: Acetone Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



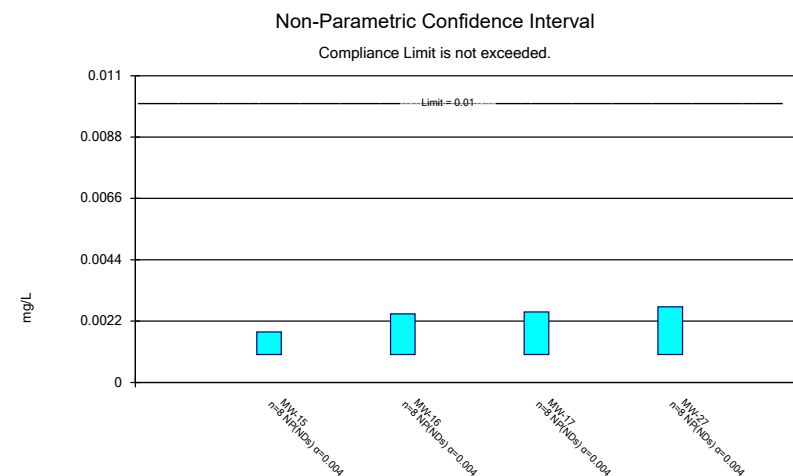
Constituent: Acrylonitrile Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



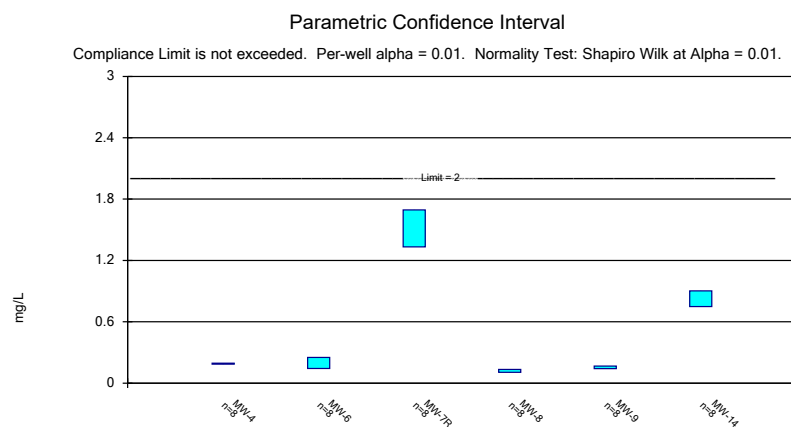
Constituent: alpha-BHC Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



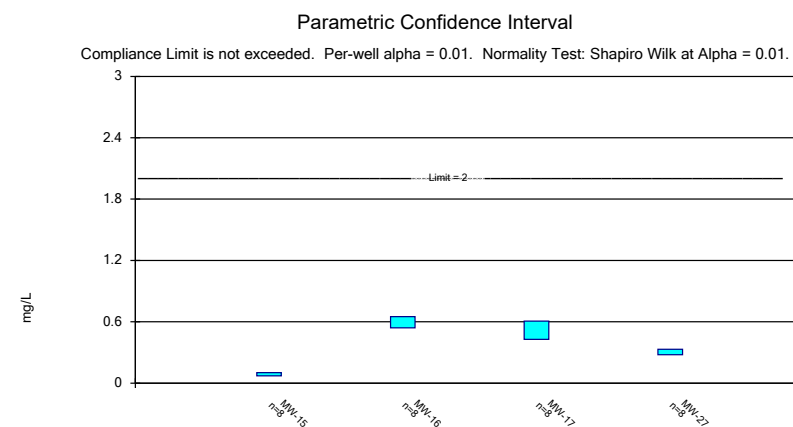
Constituent: Arsenic Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



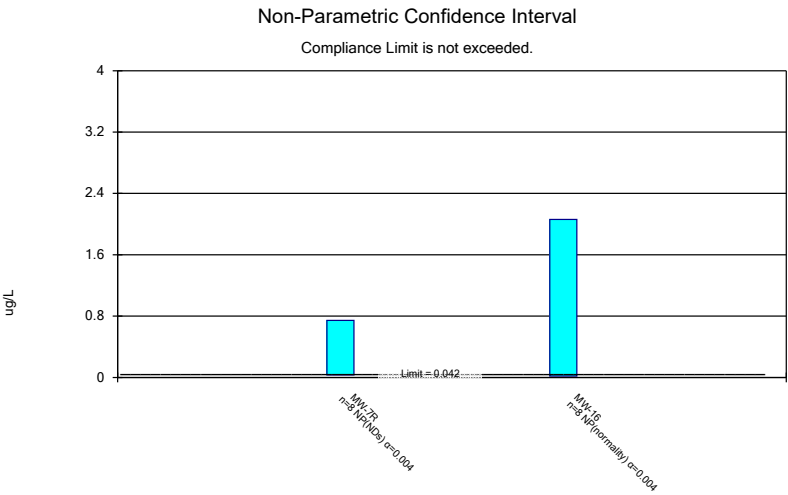
Constituent: Arsenic Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



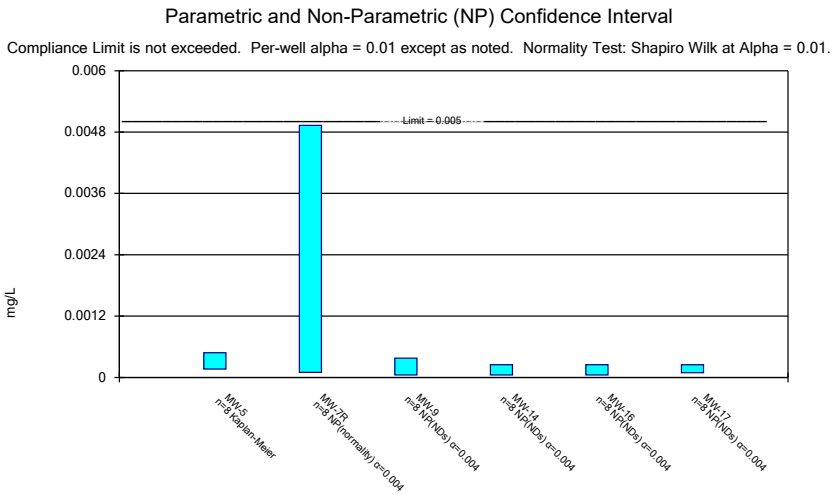
Constituent: Barium Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



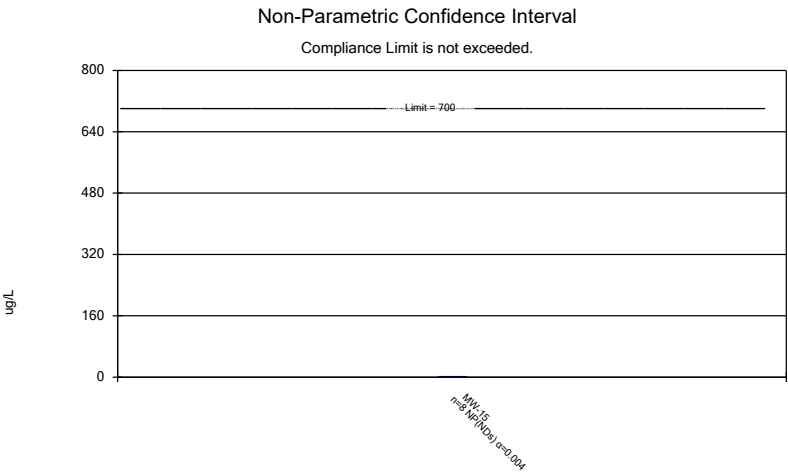
Constituent: Barium Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



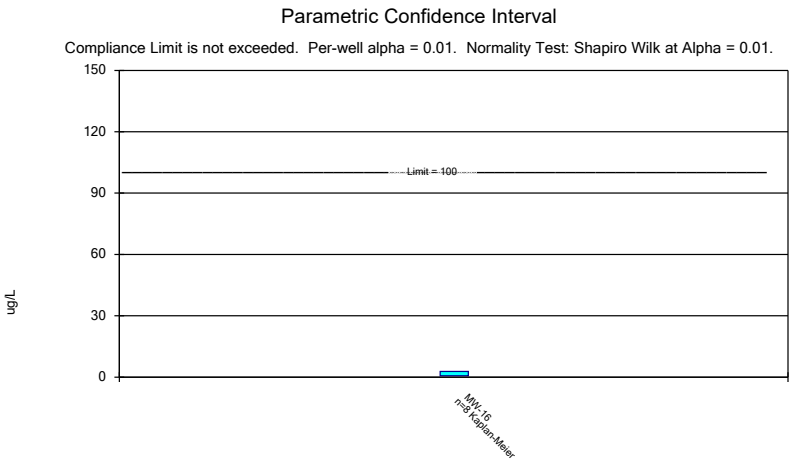
Constituent: beta-BHC Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



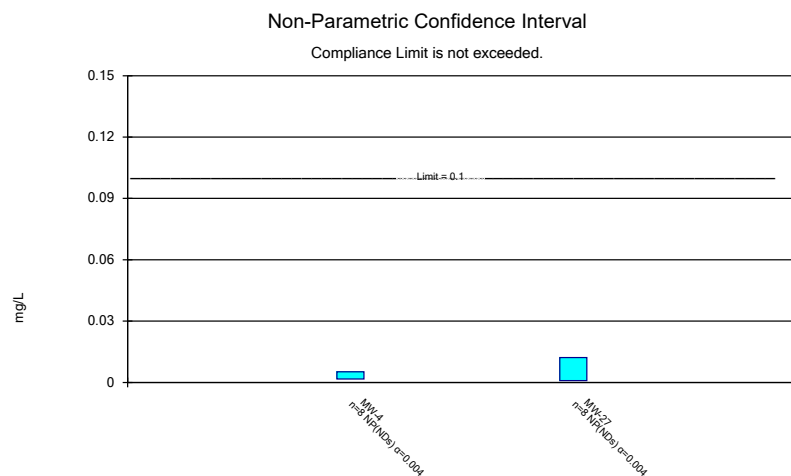
Constituent: Cadmium Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



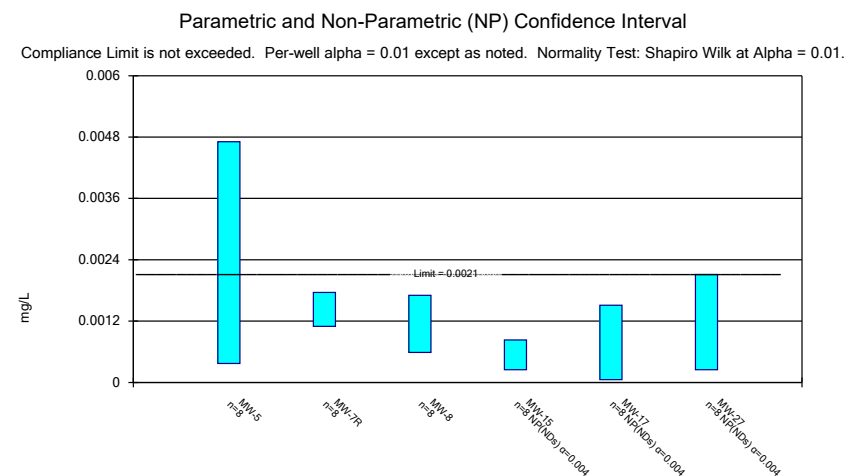
Constituent: Carbon disulfide Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



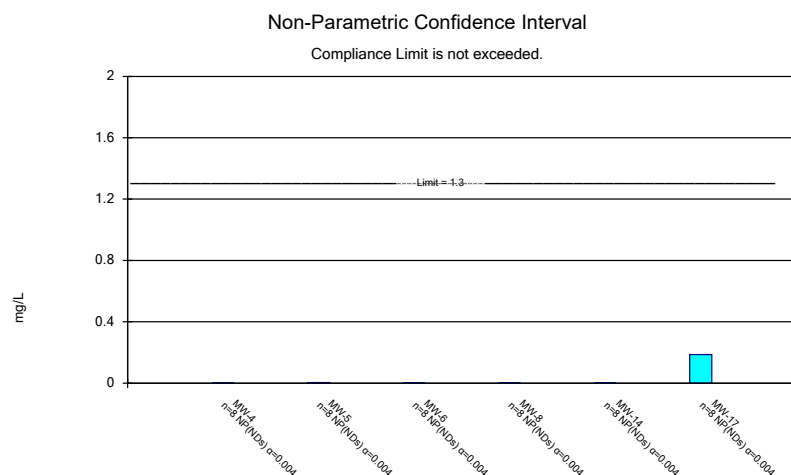
Constituent: Chlorobenzene Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



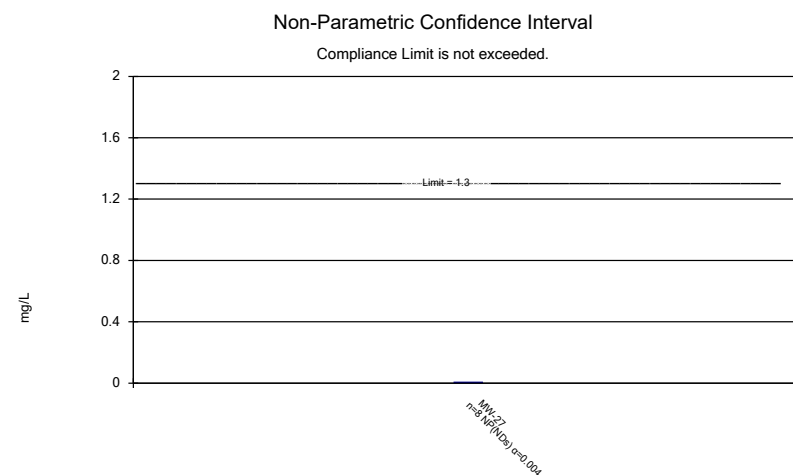
Constituent: Chromium Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



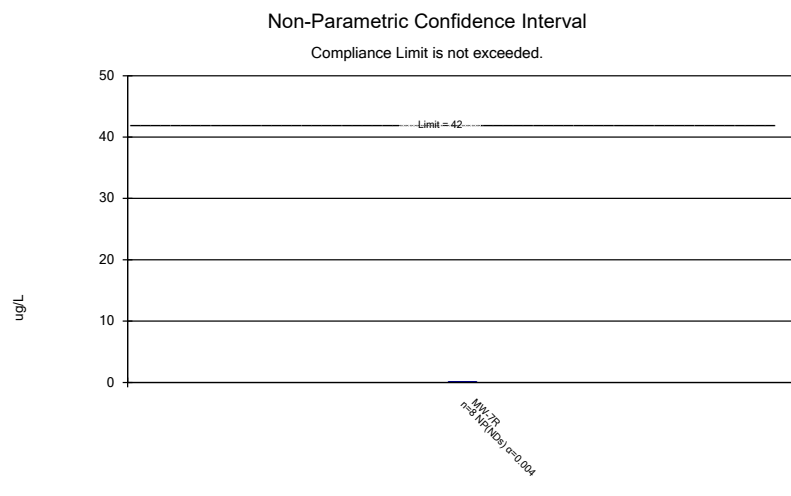
Constituent: Cobalt Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



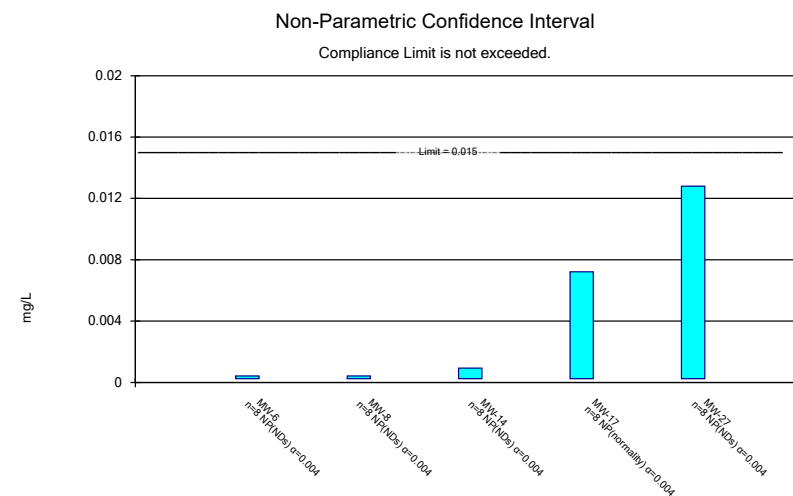
Constituent: Copper Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



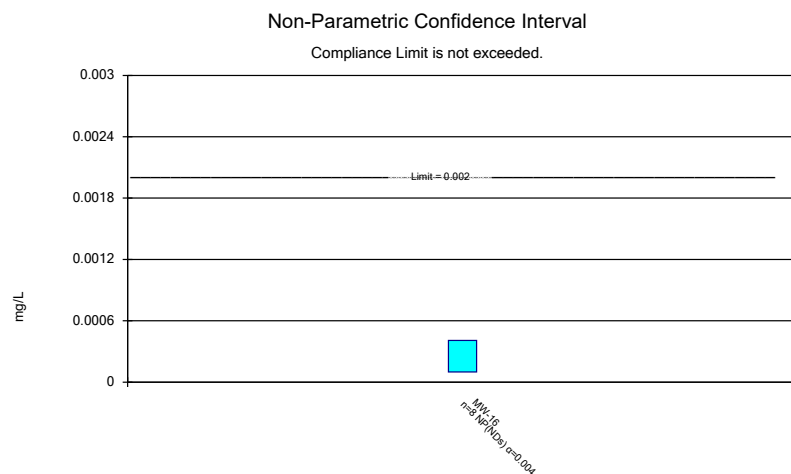
Constituent: Copper Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



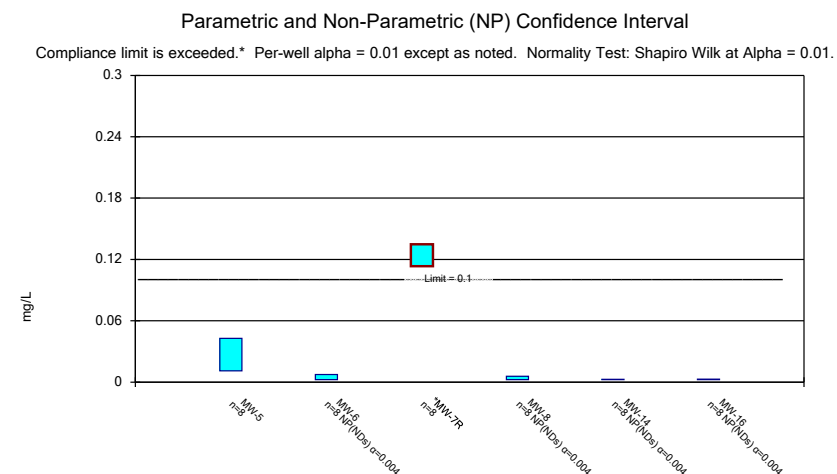
Constituent: Endosulfan I Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



Constituent: Lead Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



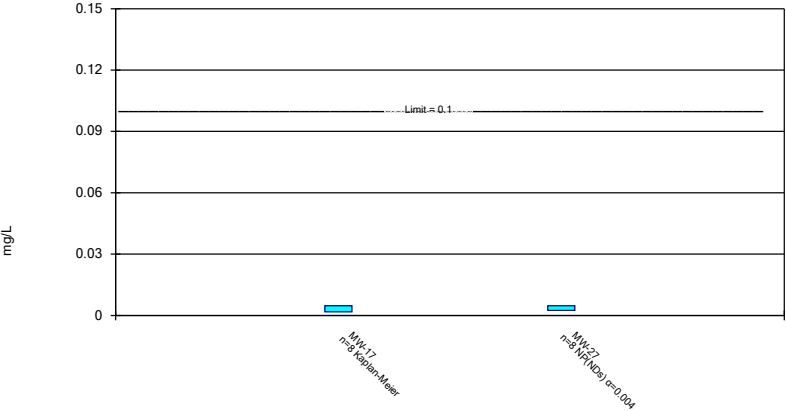
Constituent: Mercury Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



Constituent: Nickel Analysis Run 9/18/2025 2:24 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Parametric and Non-Parametric (NP) Confidence Interval

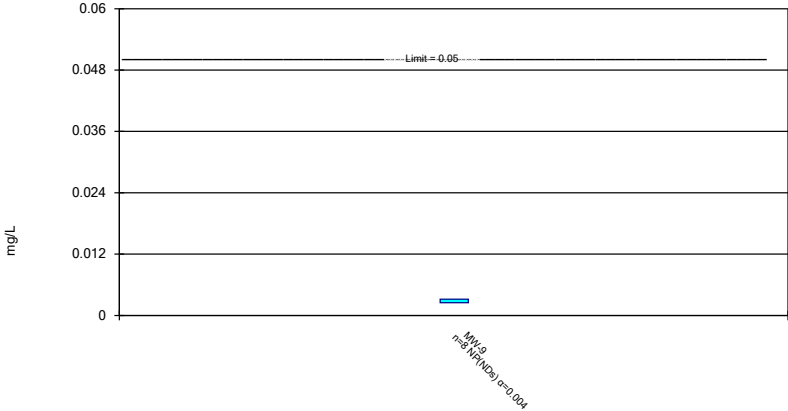
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Nickel Analysis Run 9/18/2025 2:25 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Non-Parametric Confidence Interval

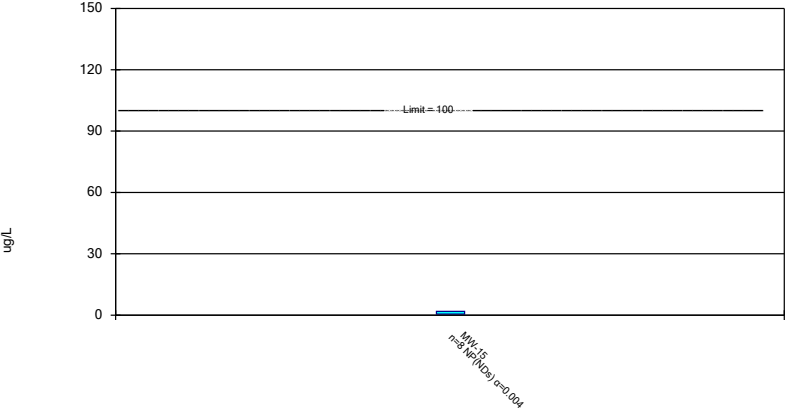
Compliance Limit is not exceeded.



Constituent: Selenium Analysis Run 9/18/2025 2:25 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Non-Parametric Confidence Interval

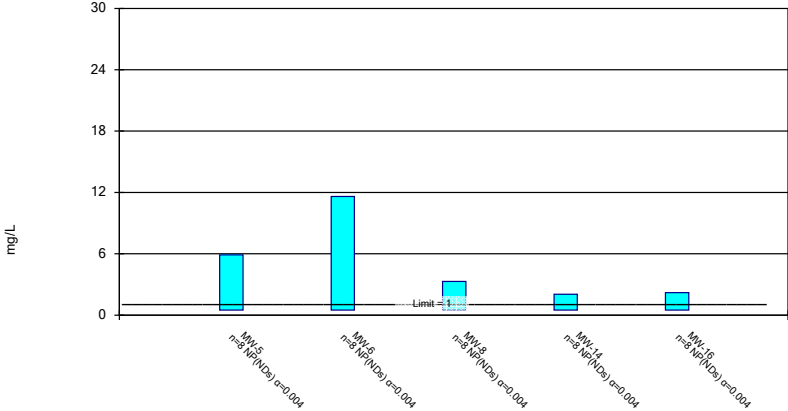
Compliance Limit is not exceeded.



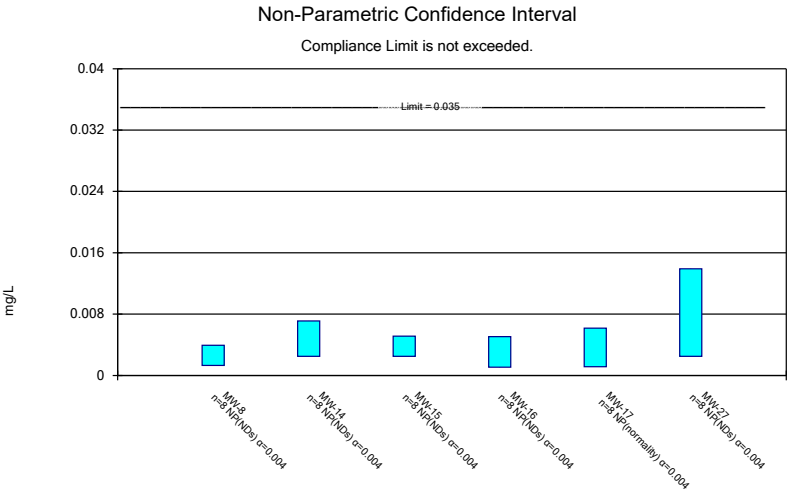
Constituent: Styrene Analysis Run 9/18/2025 2:25 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Non-Parametric Confidence Interval

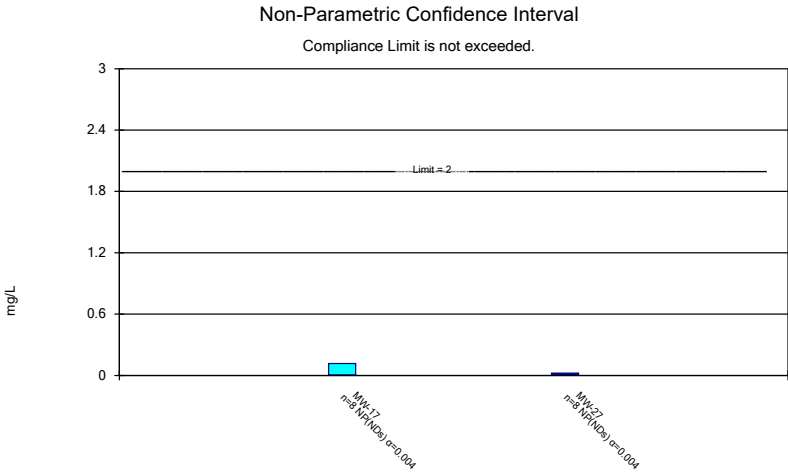
Compliance Limit is not exceeded.



Constituent: Sulfide Analysis Run 9/18/2025 2:25 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



Constituent: Vanadium Analysis Run 9/18/2025 2:25 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM



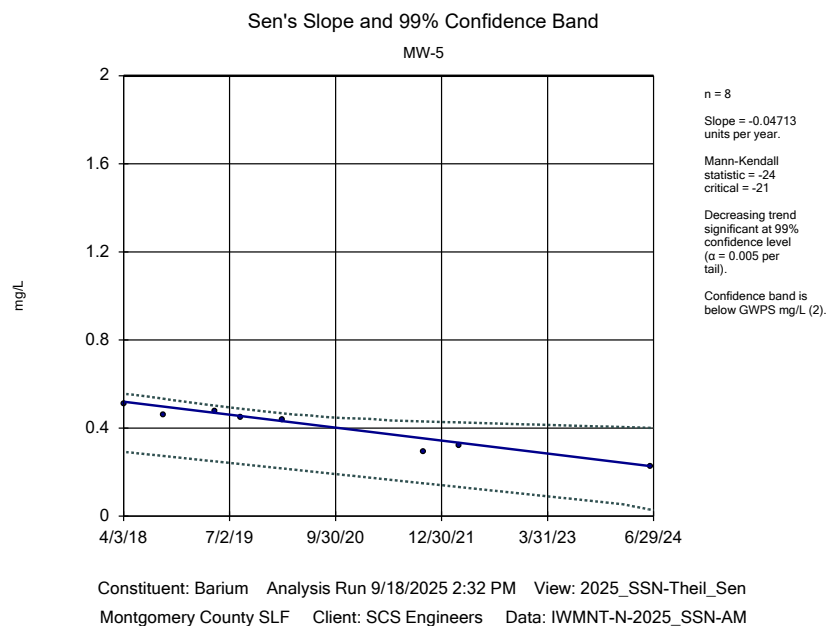
Constituent: Zinc Analysis Run 9/18/2025 2:25 PM View: 2025_SSN-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM

Theil-Sen Confidence Band Table and Graphs

Theil Sen/Trend Test

Montgomery County SLF Client: SCS Engineers Data: IWMNT-N-2025_SSN-AM Printed 9/18/2025, 2:33 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	MW-5	-0.04713	-24	-21	Yes	8	0	0.01	NP

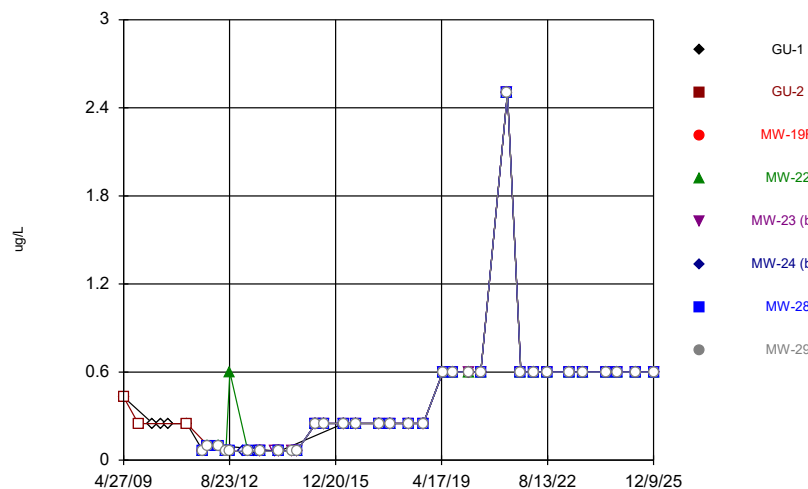


Attachment B

2nd 2025 Semi-Annual Statistical Output

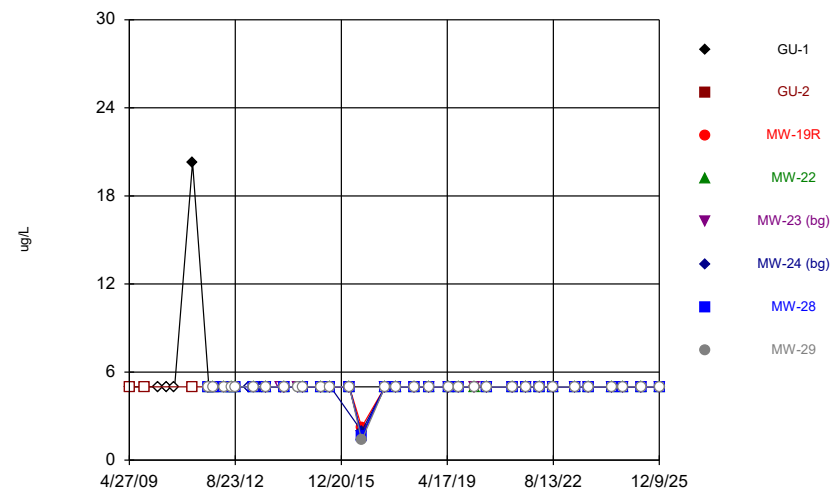
Time Series Plots

Time Series



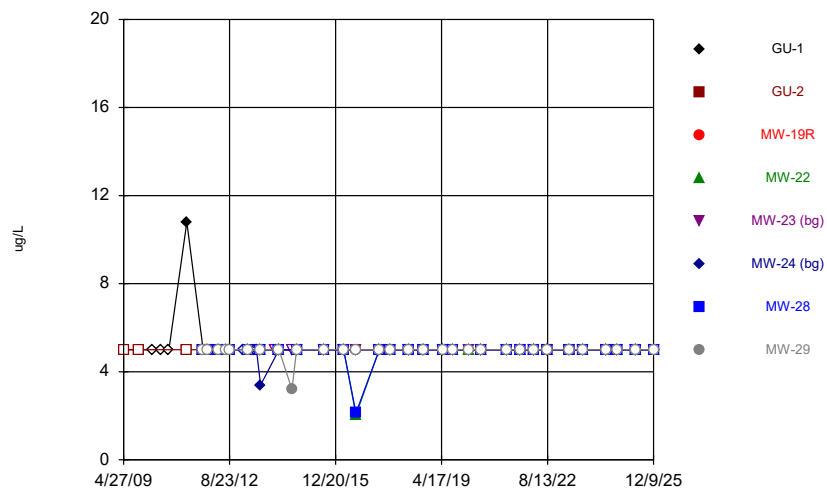
Constituent: 1,2-Dibromo-3-chloropropane Analysis Run 1/30/2026 2:10 PM View: 2025_AWQR-Time_Se
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



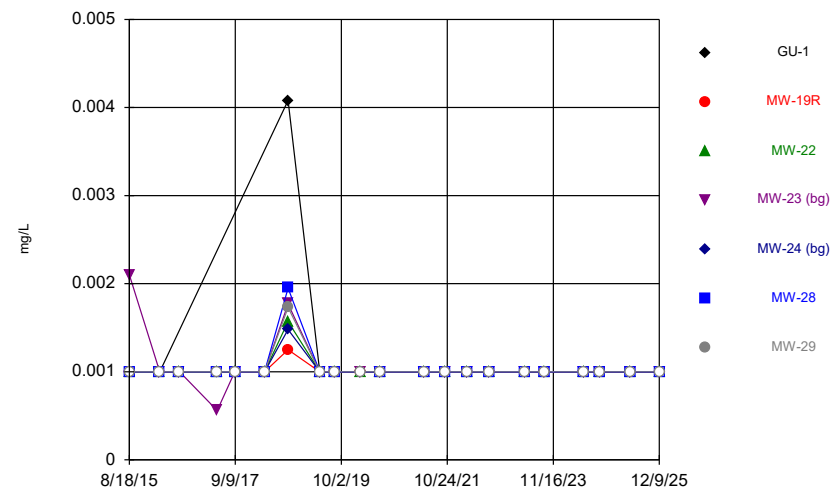
Constituent: 2-Butanone Analysis Run 1/30/2026 2:10 PM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



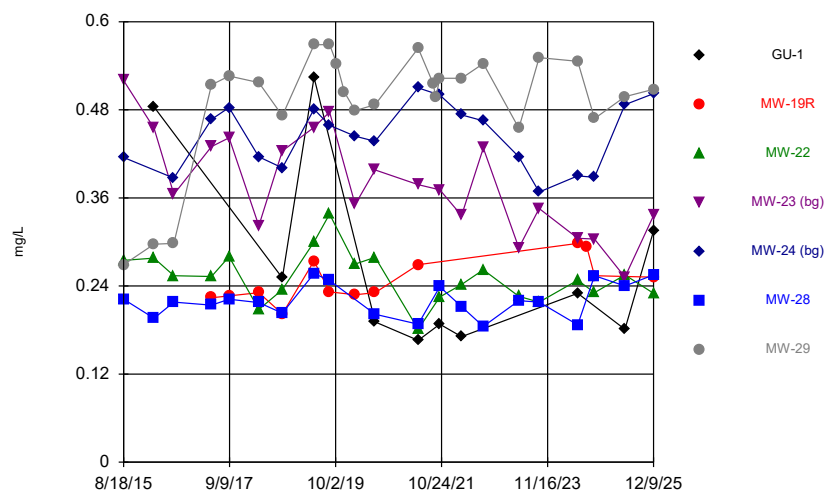
Constituent: Acetone Analysis Run 1/30/2026 2:10 PM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



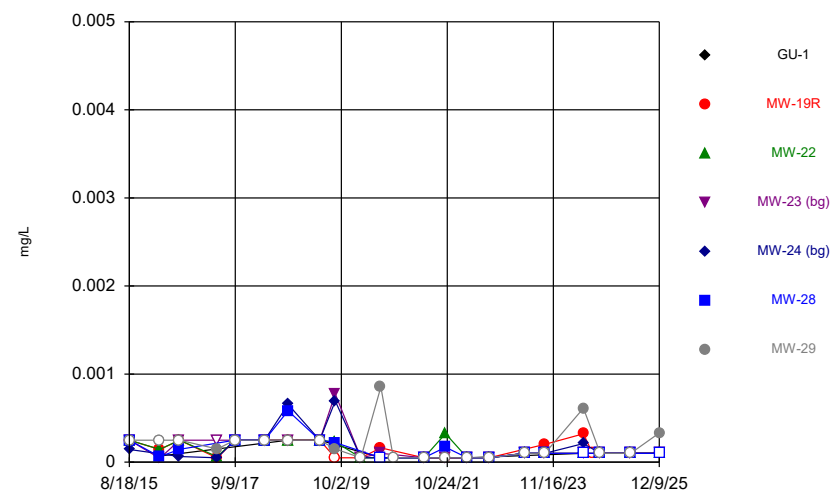
Constituent: Arsenic Analysis Run 1/30/2026 2:10 PM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



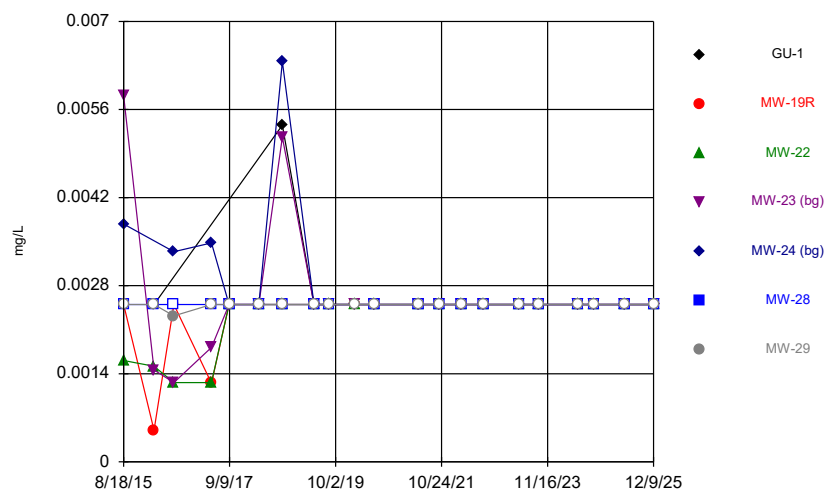
Constituent: Barium Analysis Run 1/30/2026 2:10 PM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



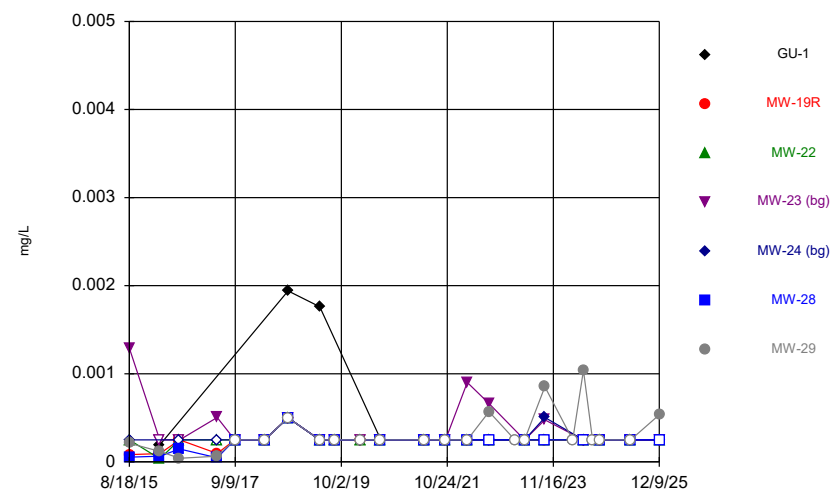
Constituent: Cadmium Analysis Run 1/30/2026 2:10 PM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



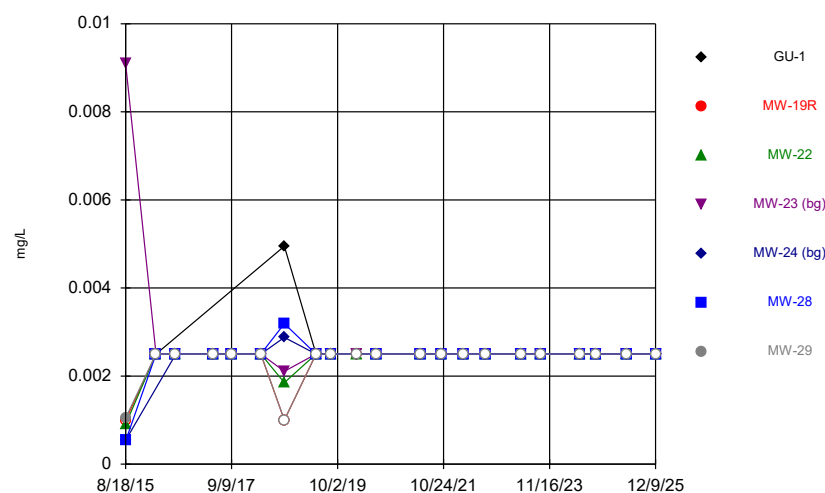
Constituent: Chromium Analysis Run 1/30/2026 2:10 PM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



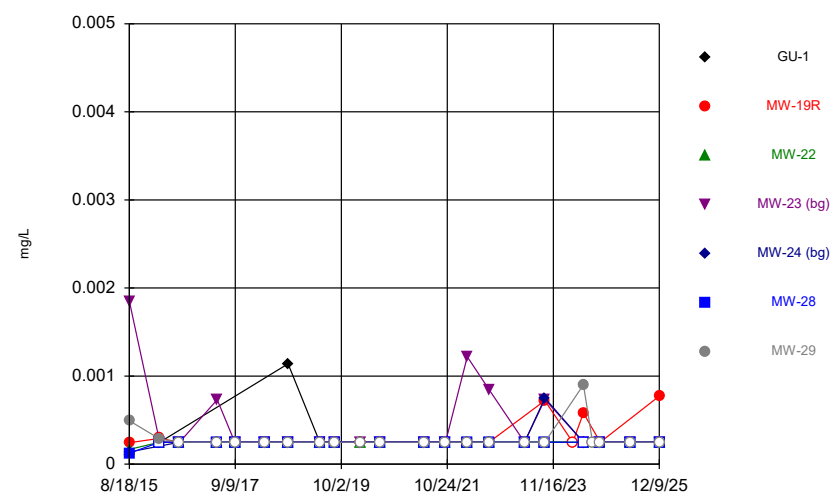
Constituent: Cobalt Analysis Run 1/30/2026 2:10 PM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



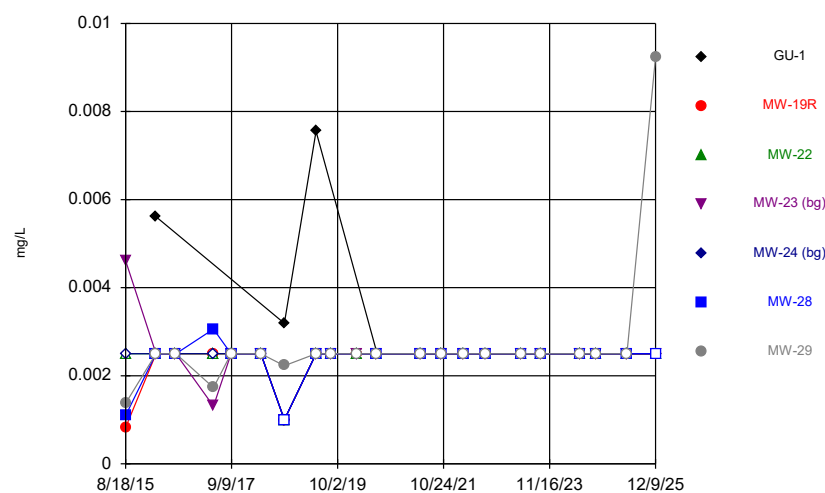
Constituent: Copper Analysis Run 1/30/2026 2:10 PM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



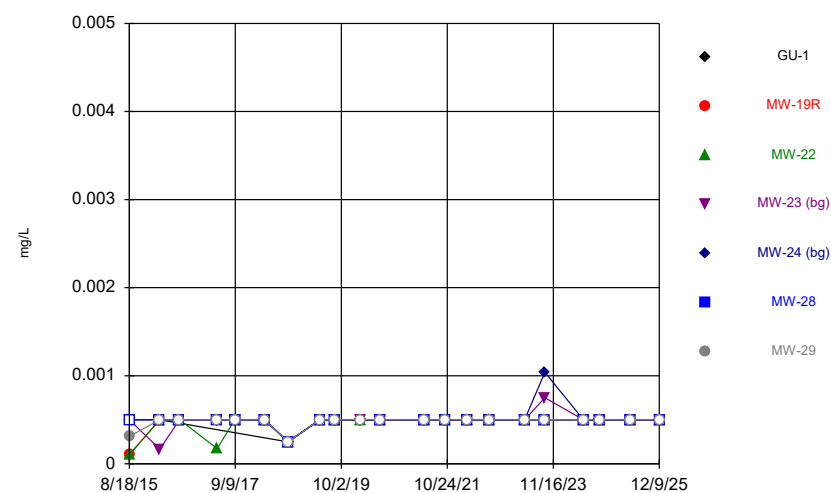
Constituent: Lead Analysis Run 1/30/2026 2:10 PM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



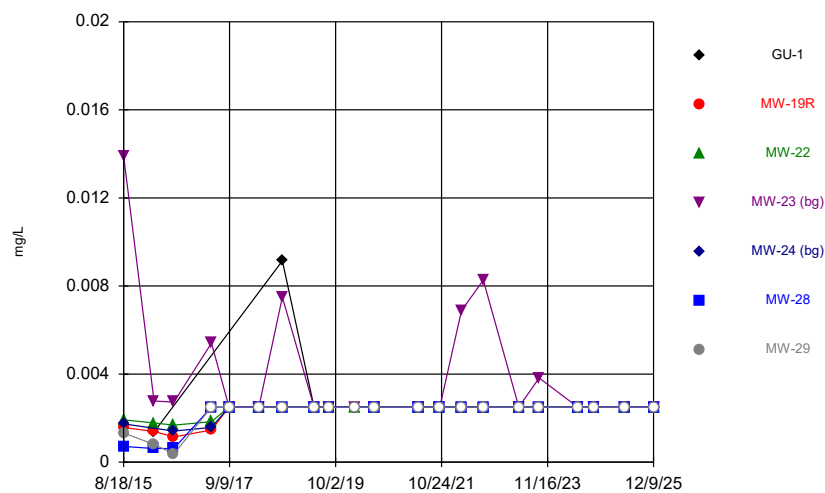
Constituent: Nickel Analysis Run 1/30/2026 2:10 PM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



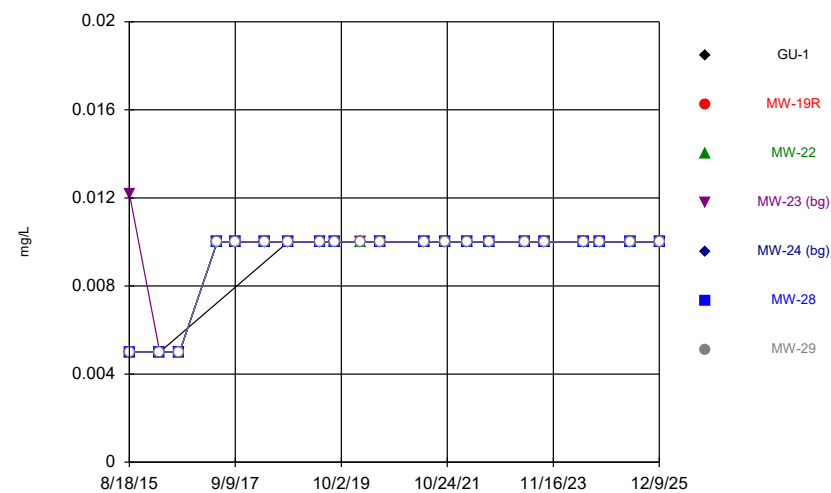
Constituent: Silver Analysis Run 1/30/2026 2:10 PM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



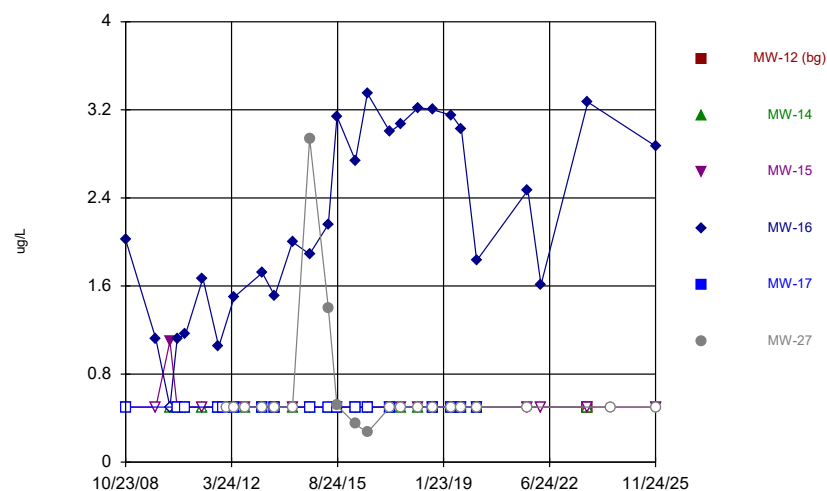
Constituent: Vanadium Analysis Run 1/30/2026 2:10 PM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



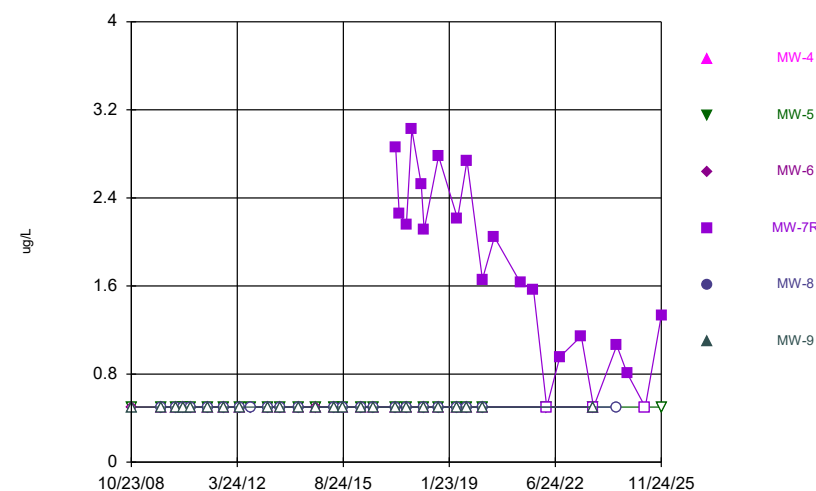
Constituent: Zinc Analysis Run 1/30/2026 2:10 PM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Time Series



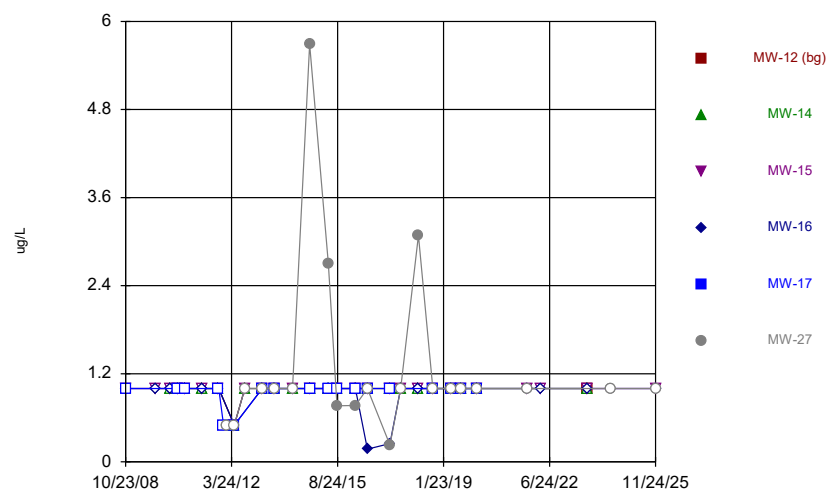
Constituent: 1,1-Dichloroethane Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



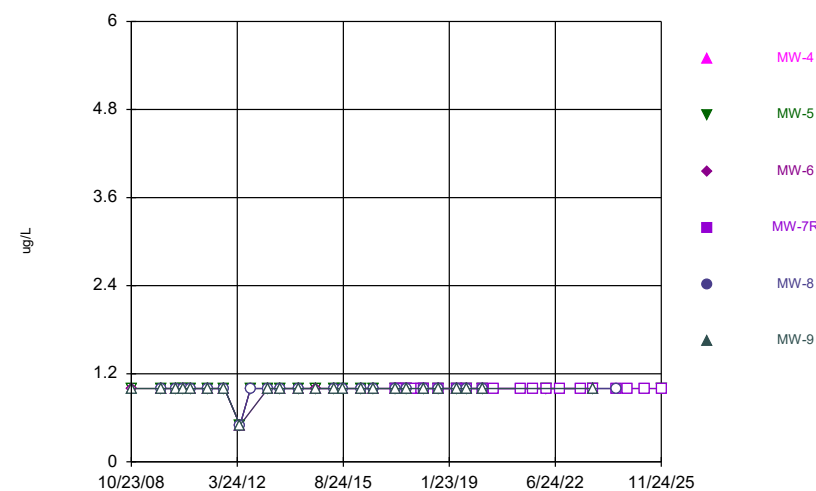
Constituent: 1,1-Dichloroethane Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



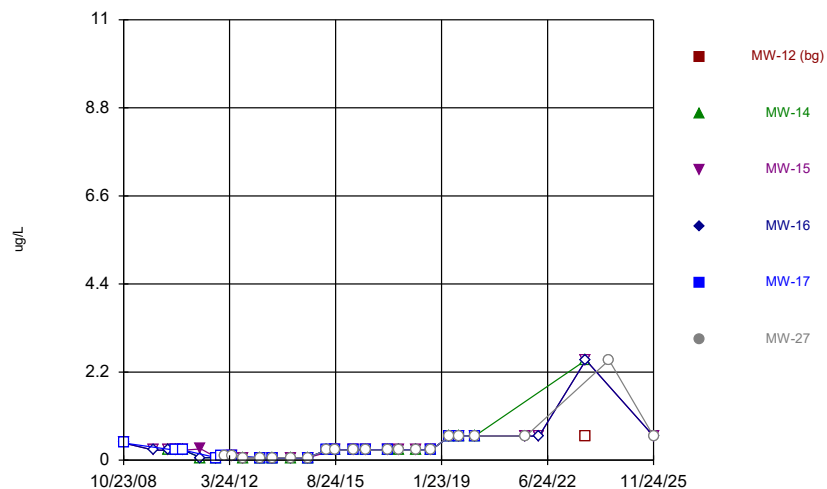
Constituent: 1,1-Dichloroethane Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



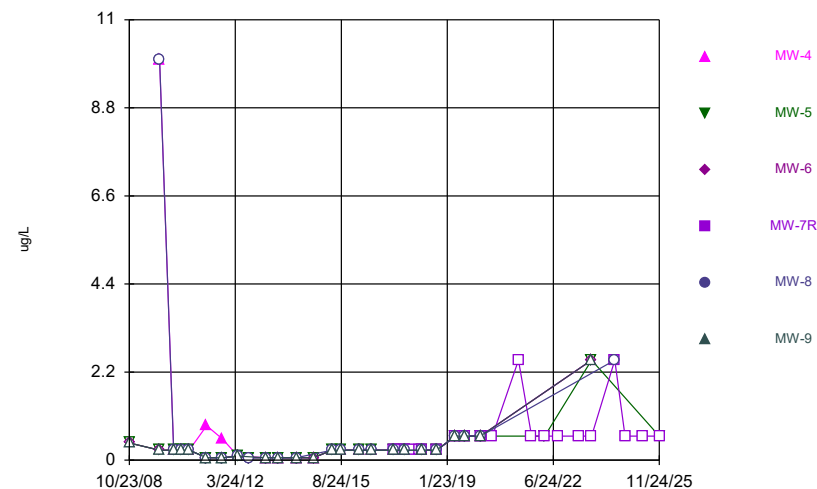
Constituent: 1,1-Dichloroethane Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



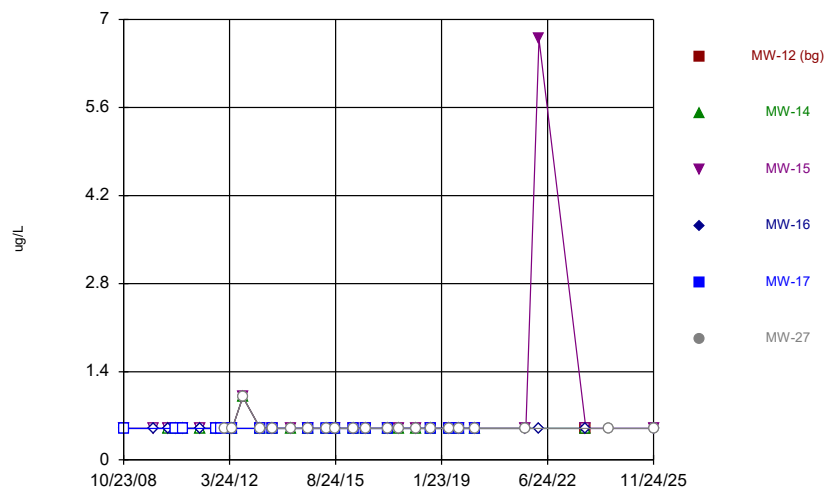
Constituent: 1,2-Dibromo-3-chloropropane Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Se
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



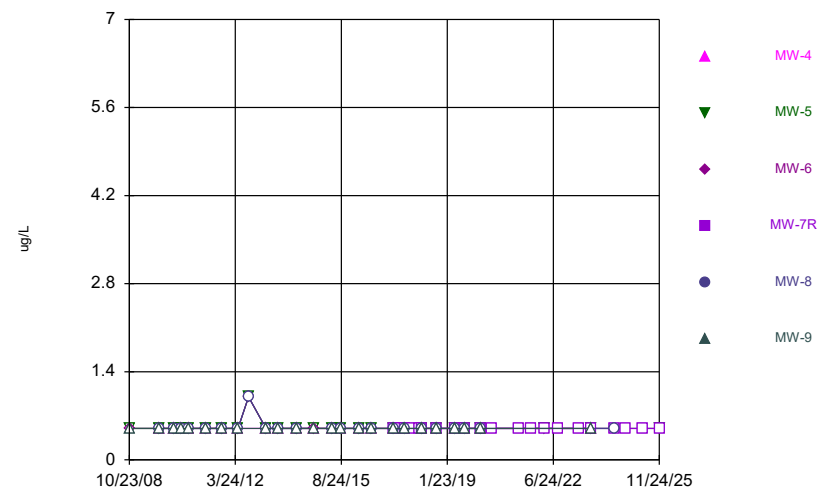
Constituent: 1,2-Dibromo-3-chloropropane Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Se
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



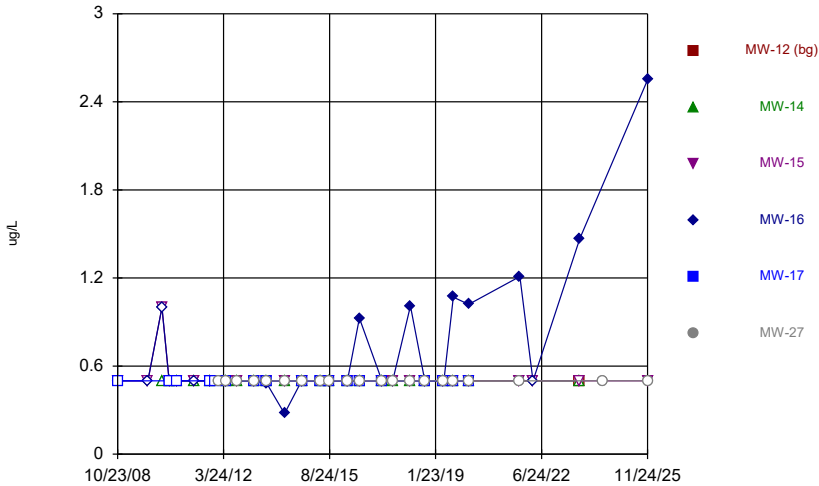
Constituent: 1,2-Dichloroethane Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



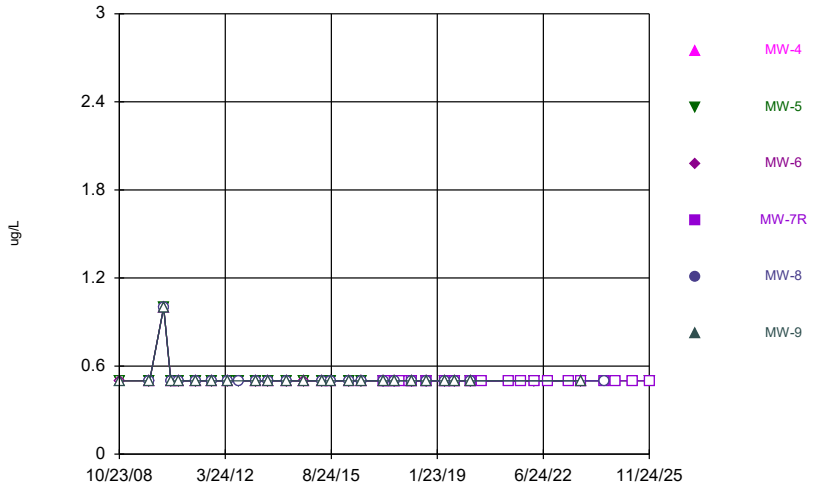
Constituent: 1,2-Dichloroethane Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



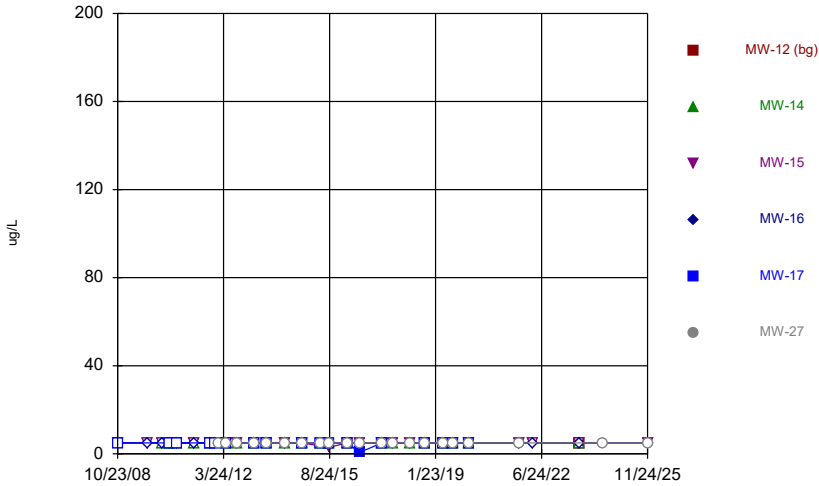
Constituent: 1,4-Dichlorobenzene Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



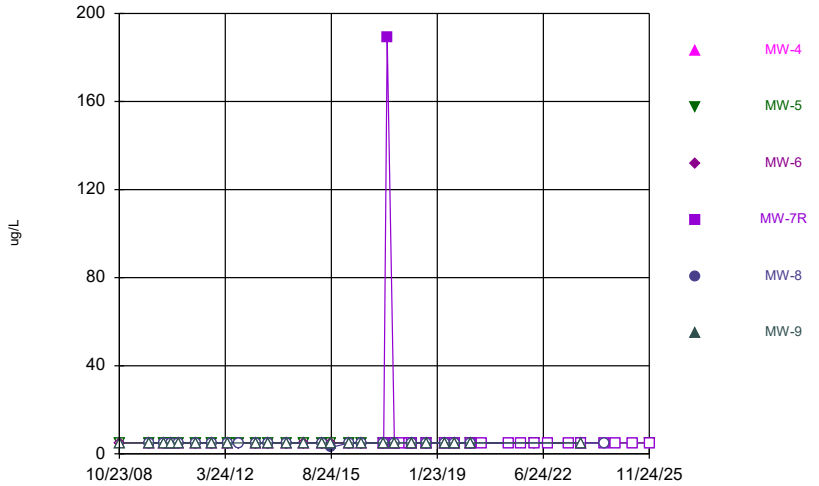
Constituent: 1,4-Dichlorobenzene Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



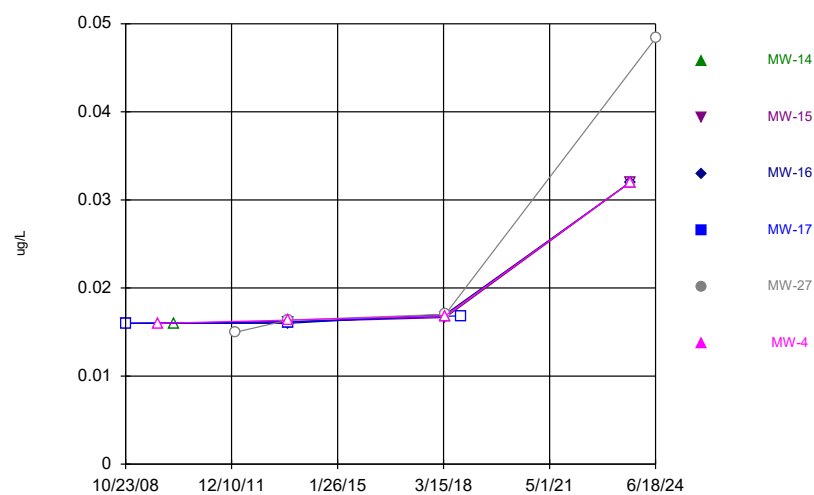
Constituent: 2-Butanone Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



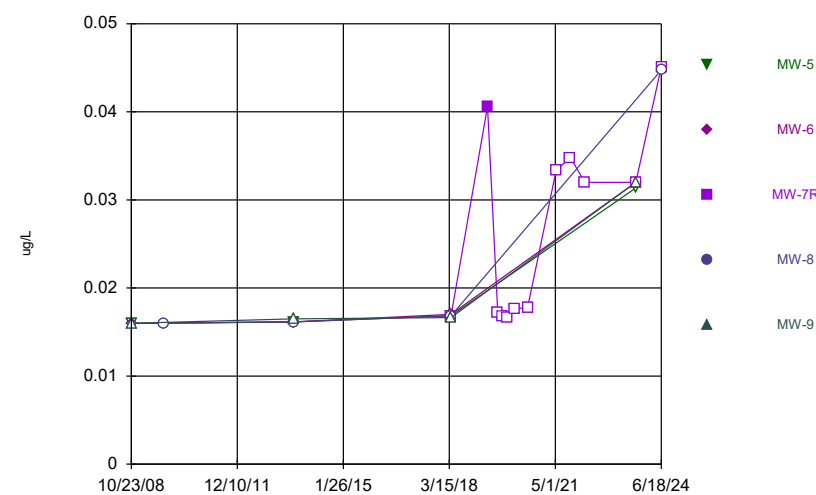
Constituent: 2-Butanone Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



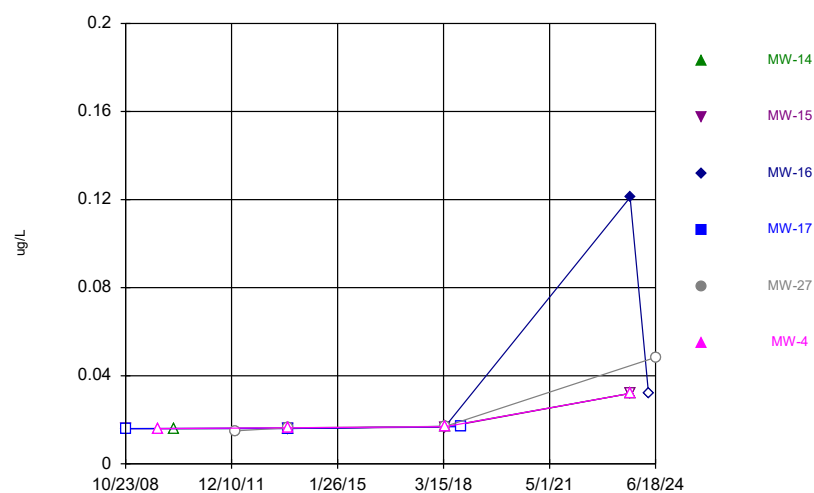
Constituent: 4,4'-DDD Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



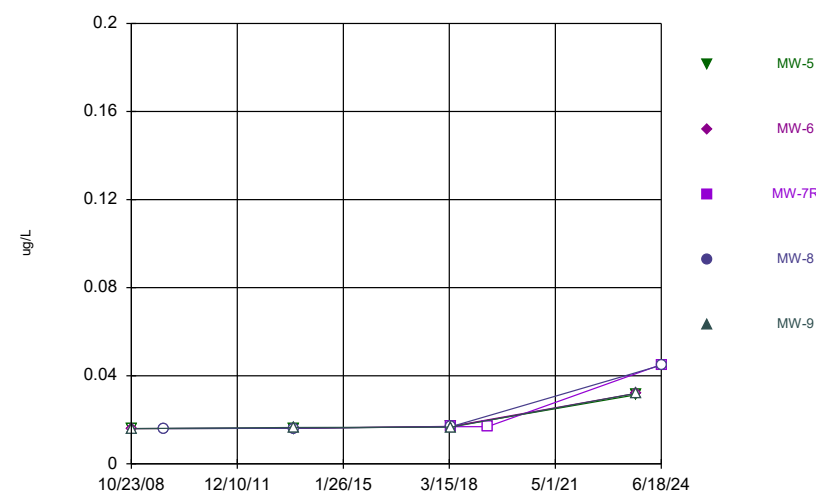
Constituent: 4,4'-DDD Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



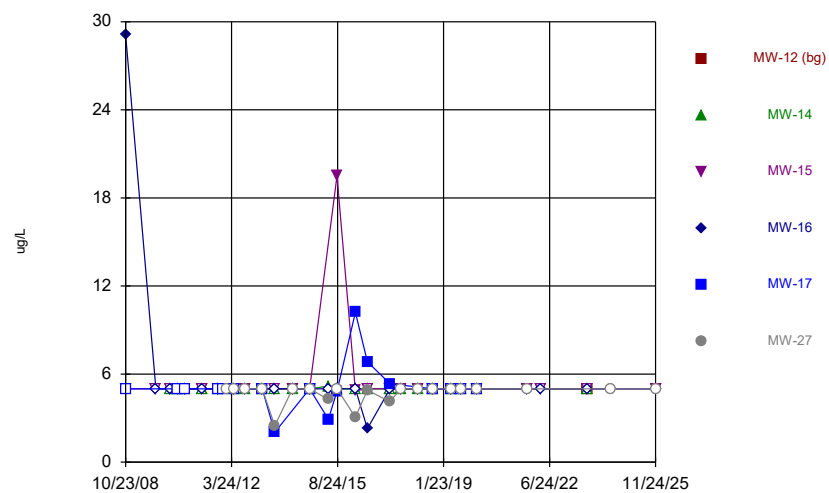
Constituent: 4,4'-DDE Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



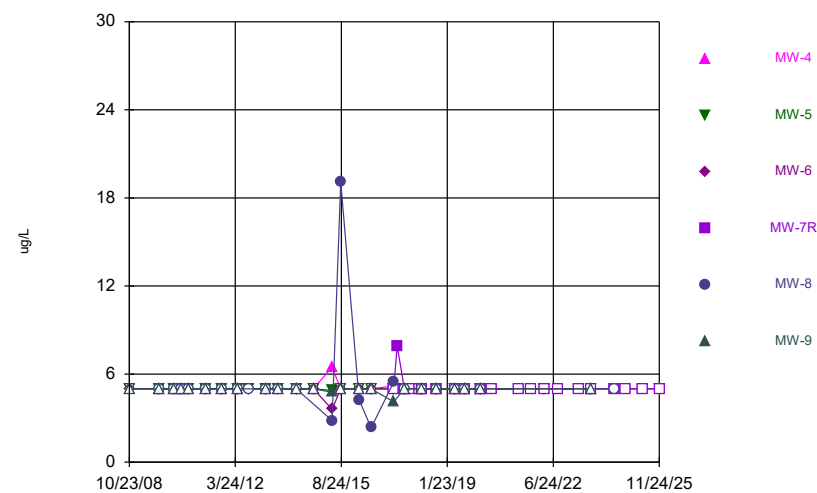
Constituent: 4,4'-DDE Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



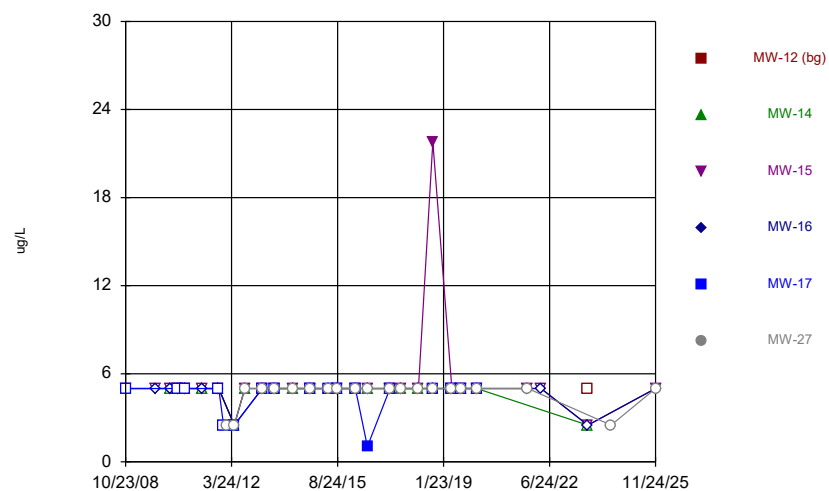
Constituent: Acetone Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



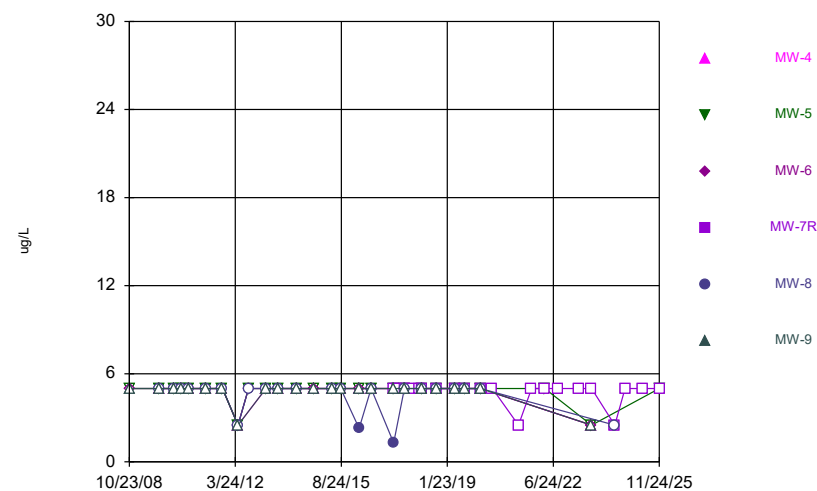
Constituent: Acetone Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



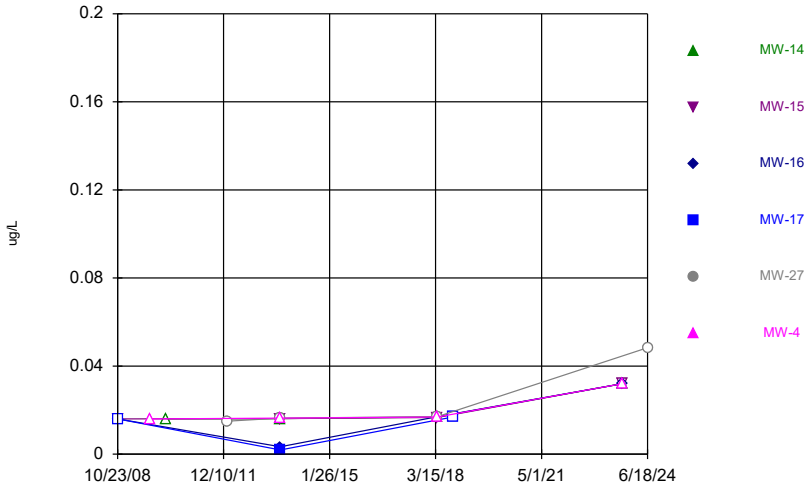
Constituent: Acrylonitrile Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



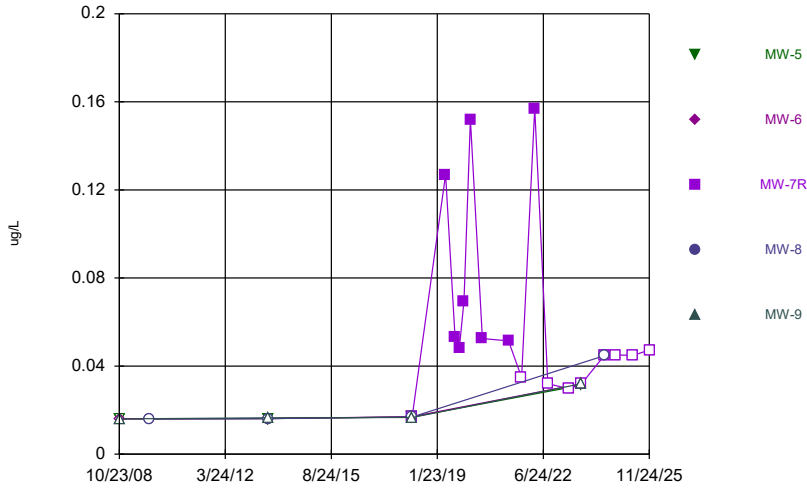
Constituent: Acrylonitrile Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



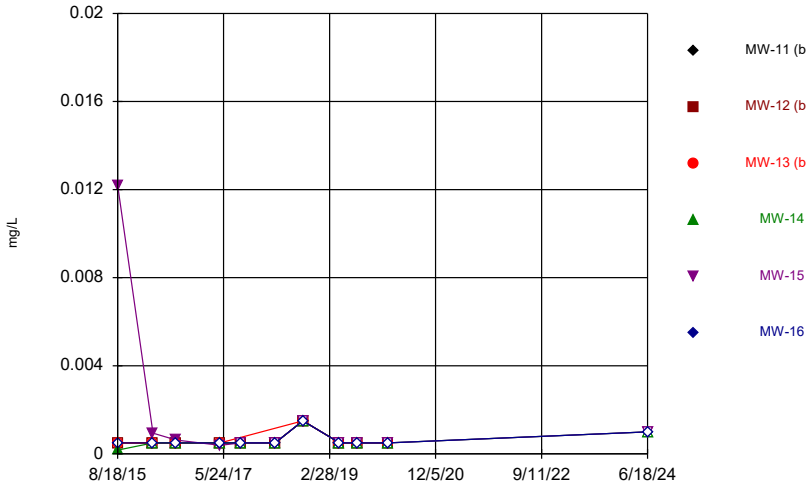
Constituent: alpha-BHC Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



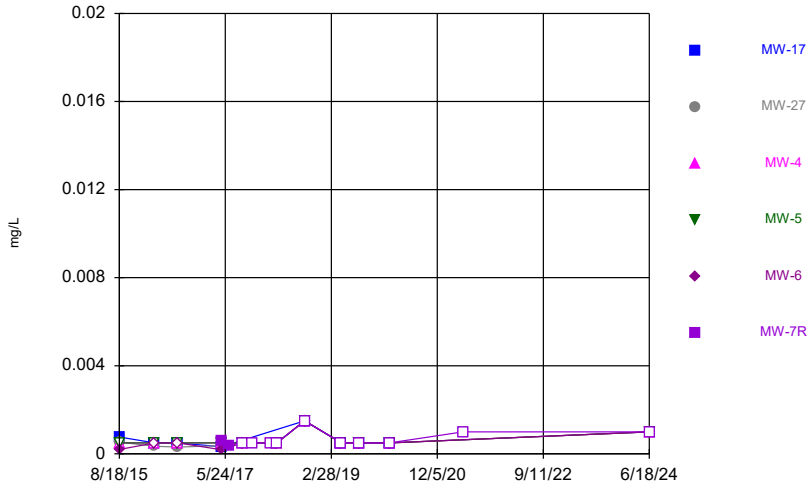
Constituent: alpha-BHC Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



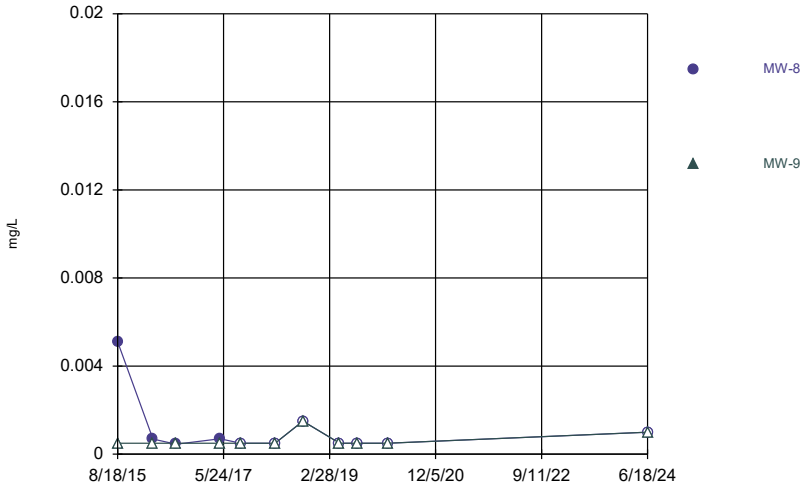
Constituent: Antimony Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



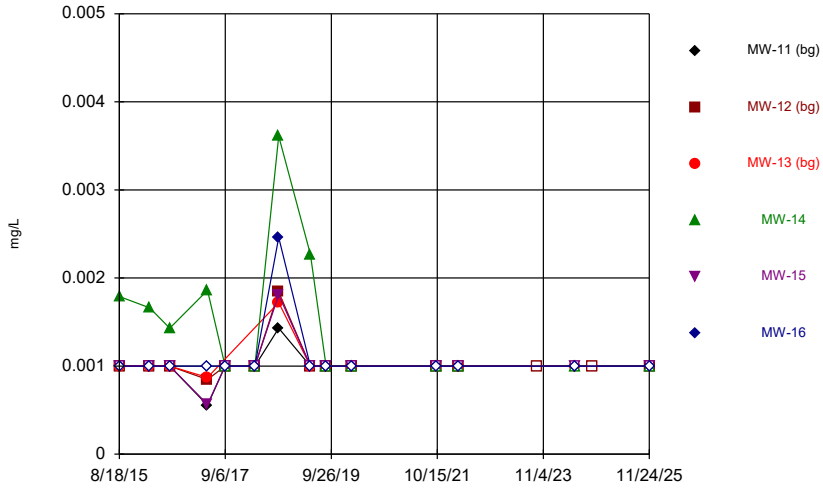
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series

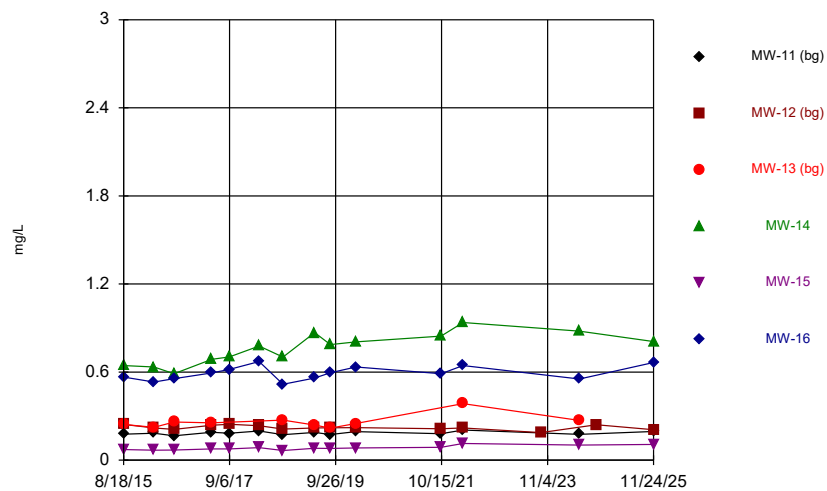


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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

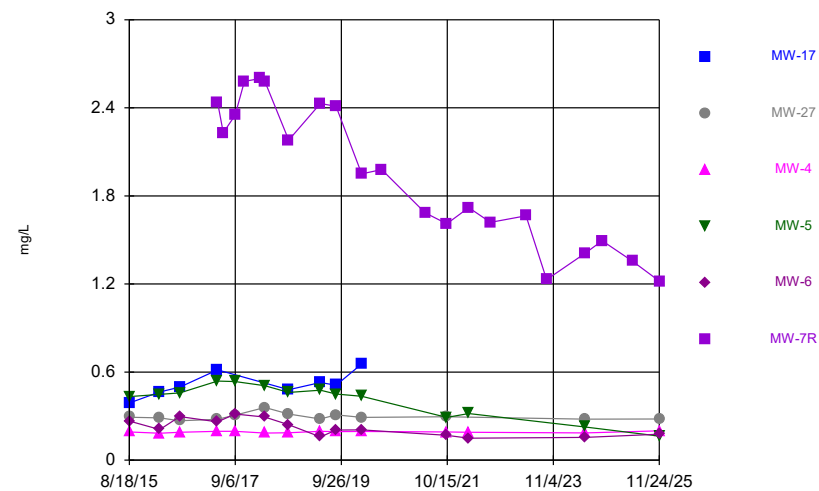
Time Series



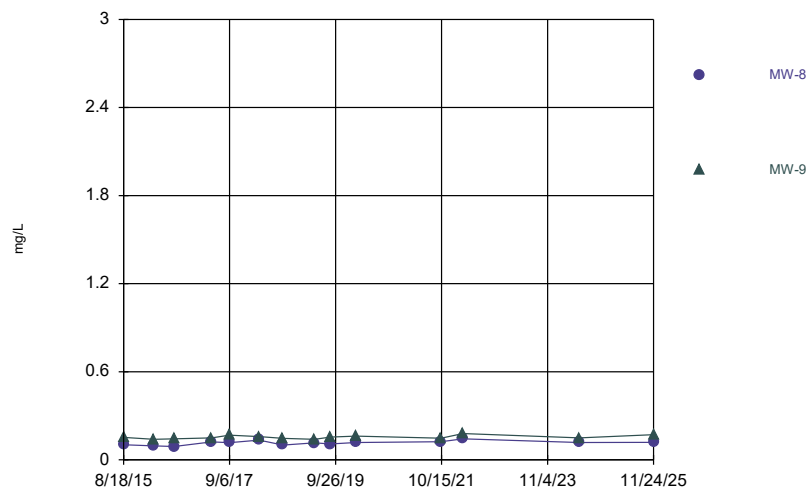
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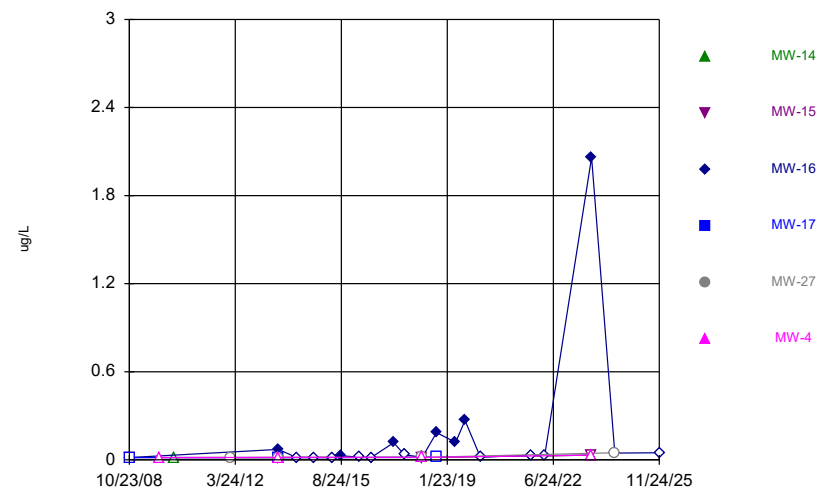
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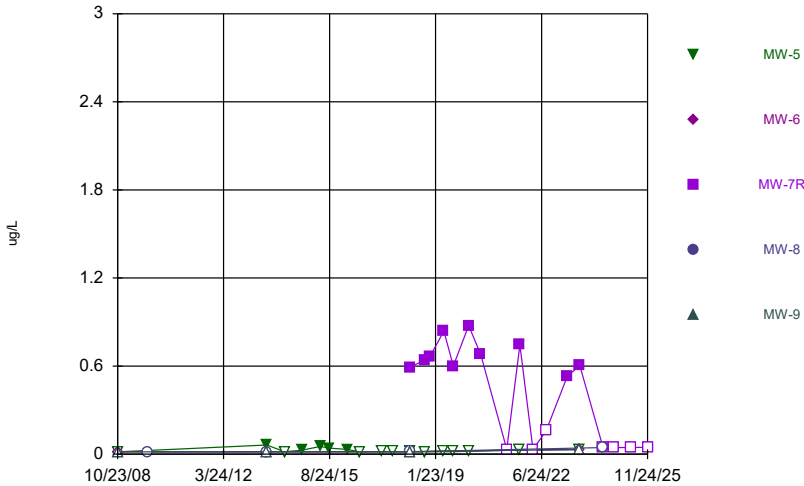
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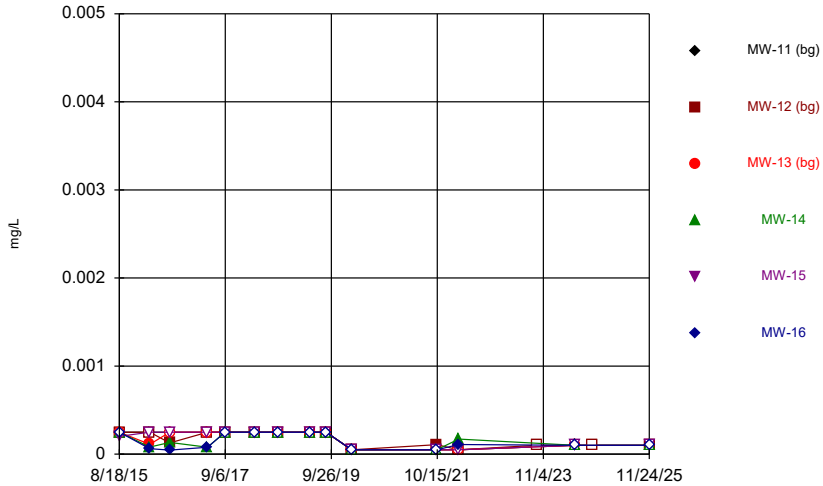
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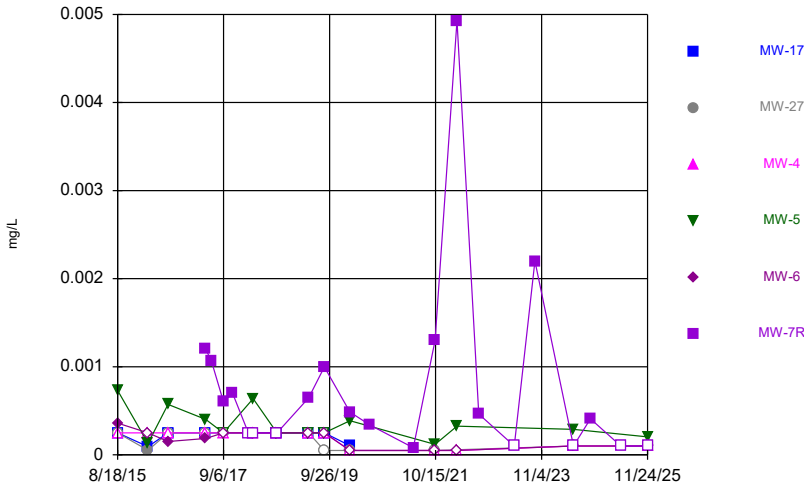
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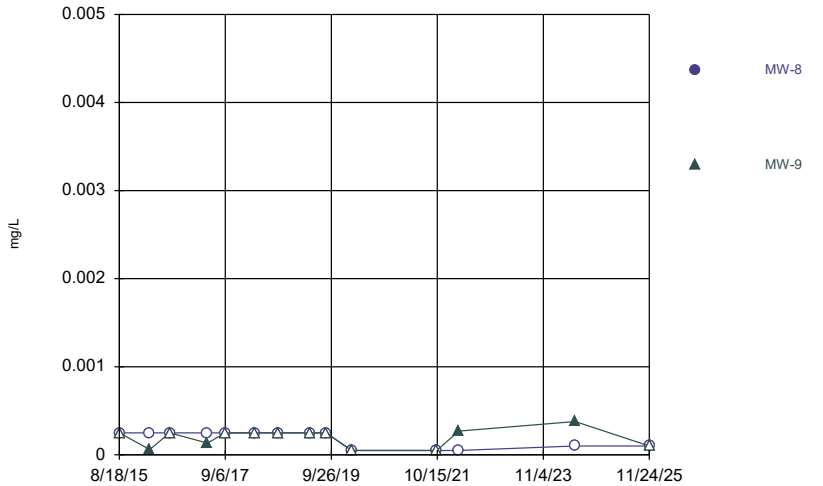
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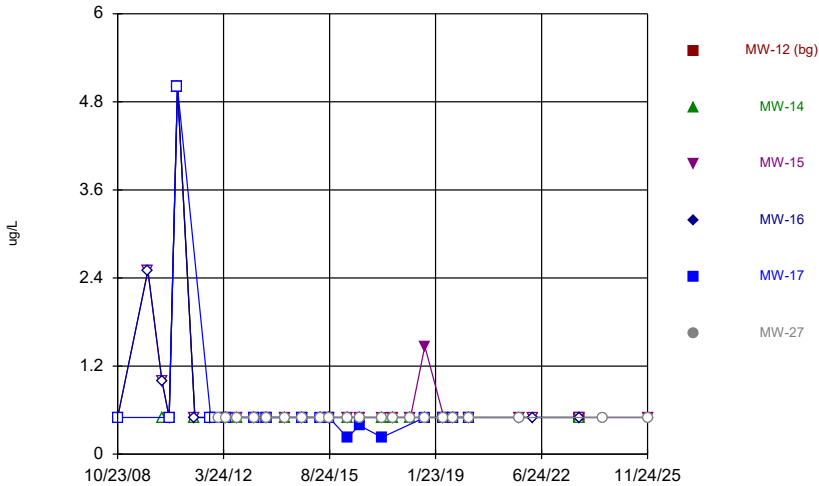
Time Series



Time Series

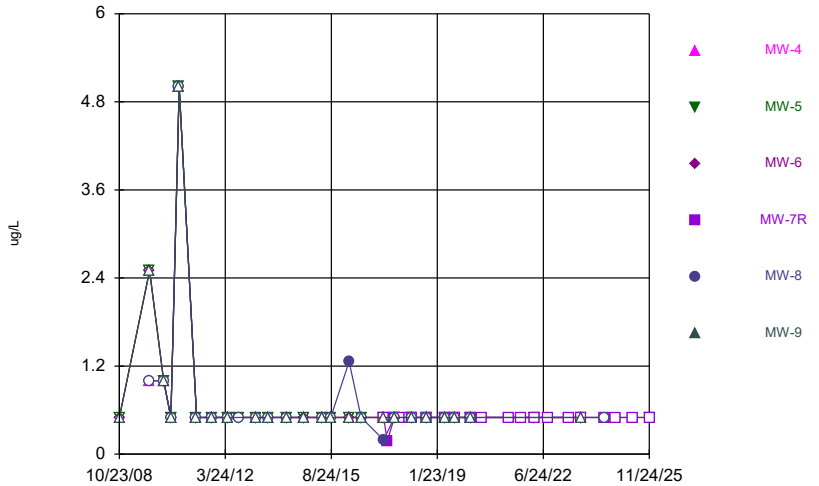


Time Series



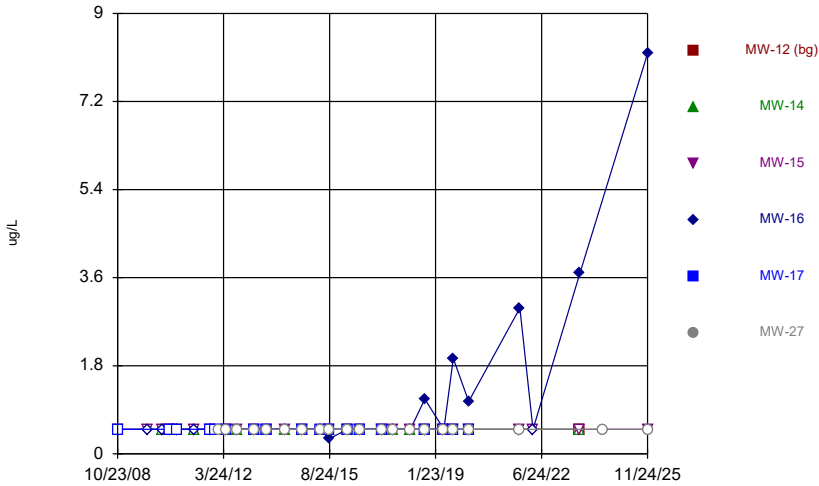
Constituent: Carbon disulfide Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



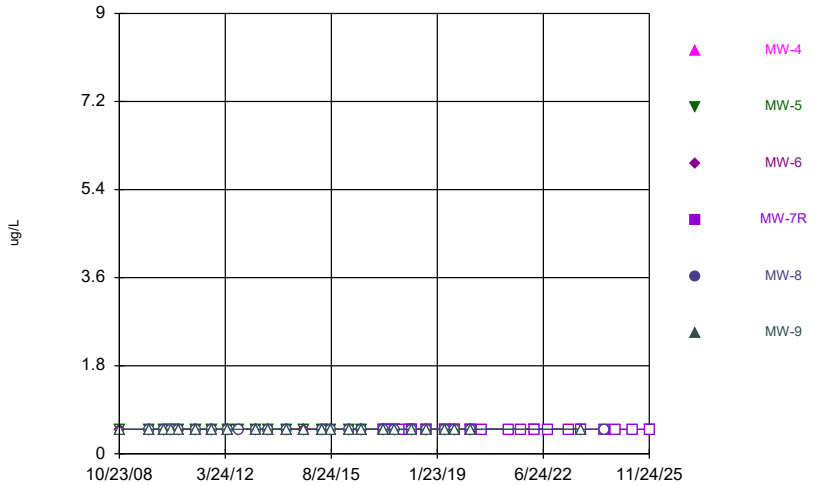
Constituent: Carbon disulfide Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



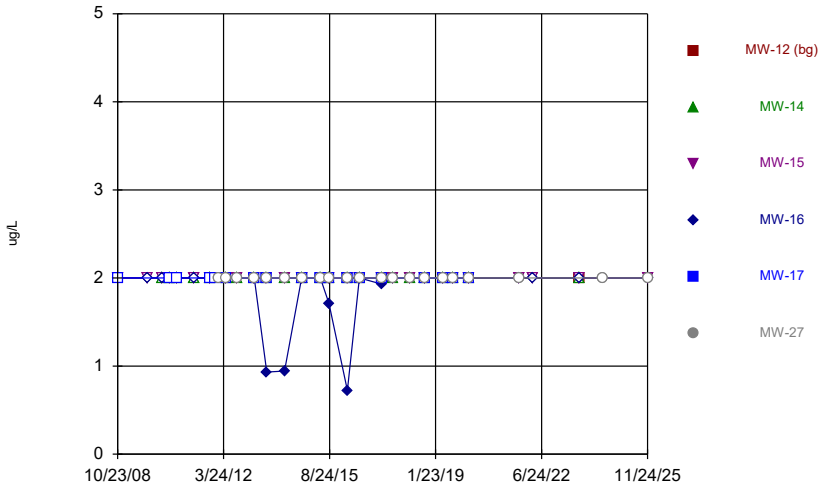
Constituent: Chlorobenzene Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



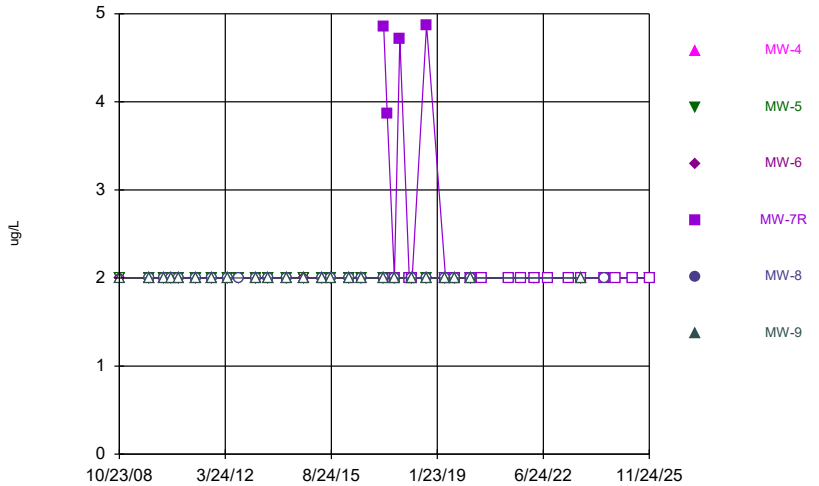
Constituent: Chlorobenzene Analysis Run 1/21/2026 9:27 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



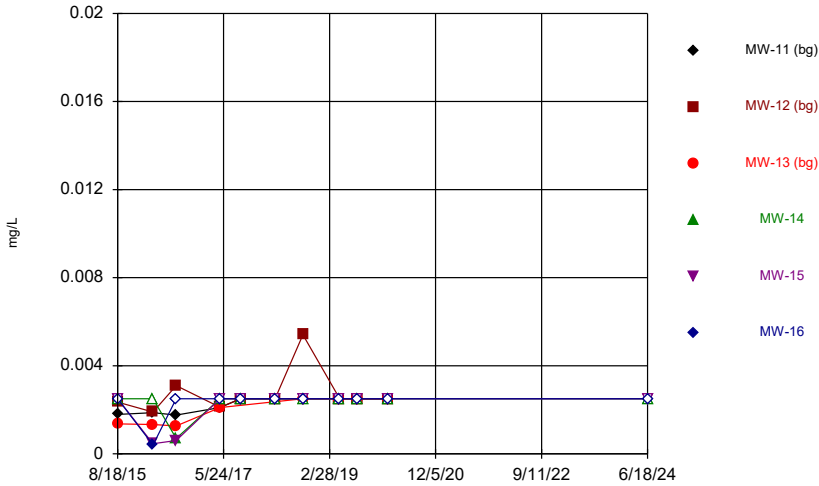
Constituent: Chloroethane Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



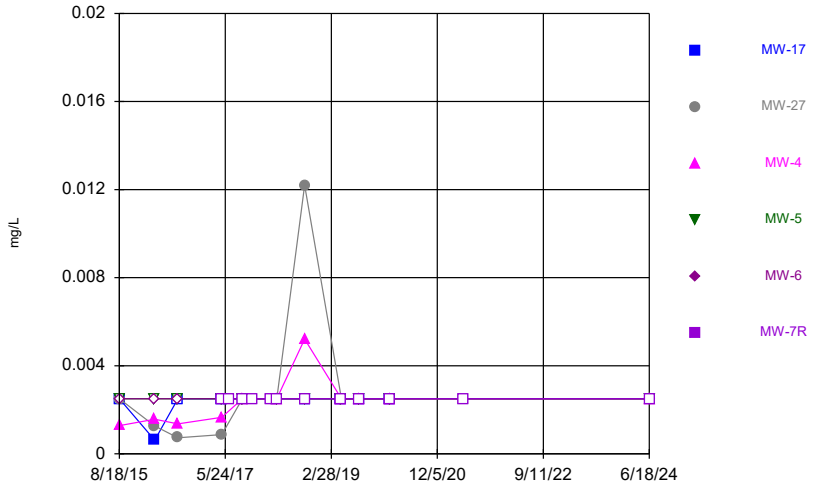
Constituent: Chloroethane Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



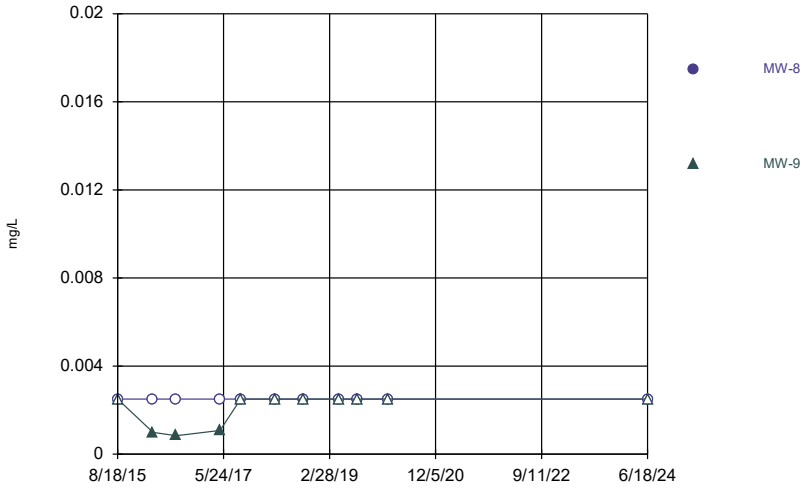
Constituent: Chromium Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



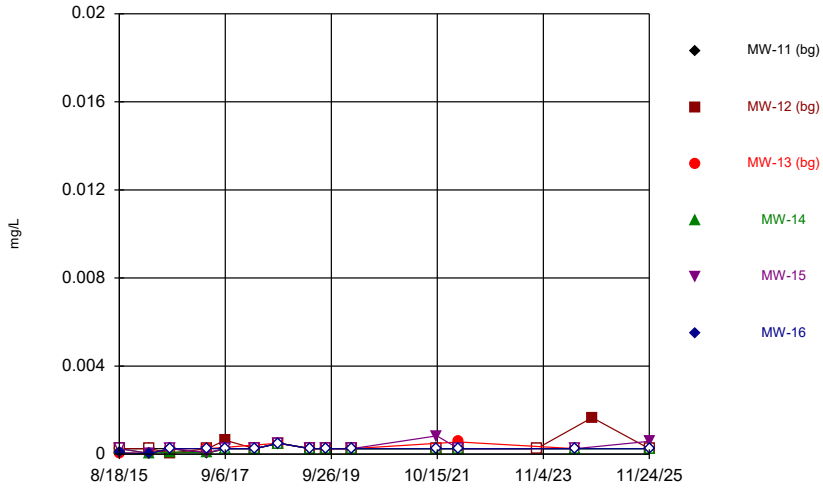
Constituent: Chromium Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



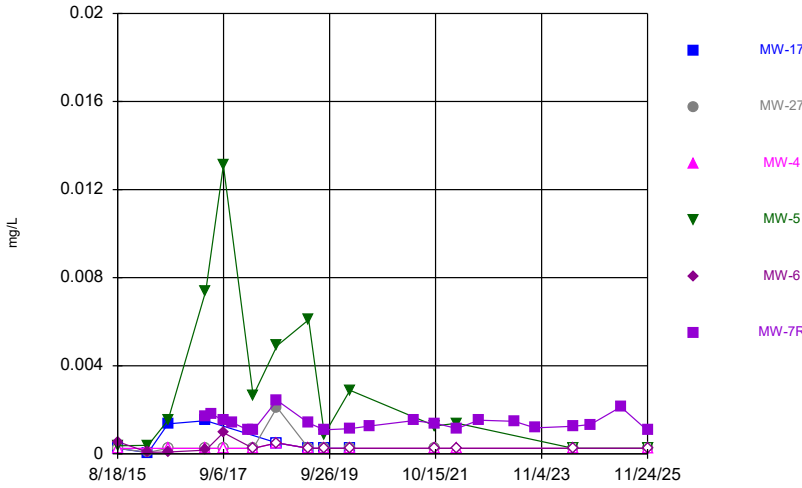
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



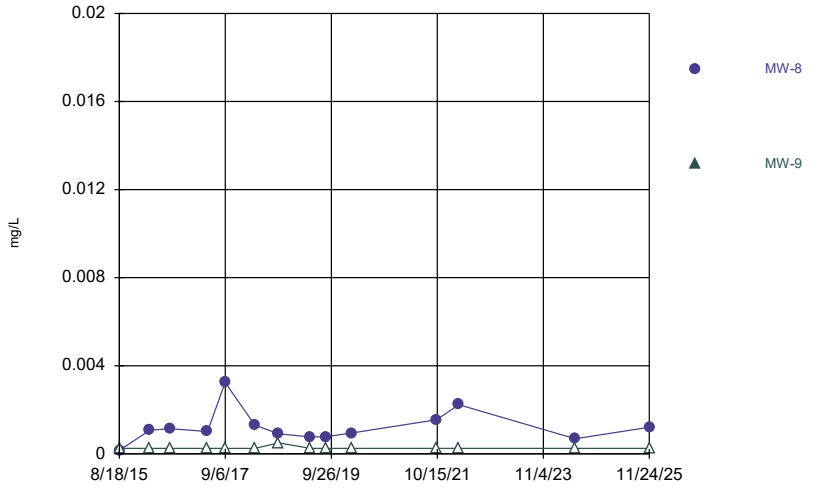
Constituent: Cobalt Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



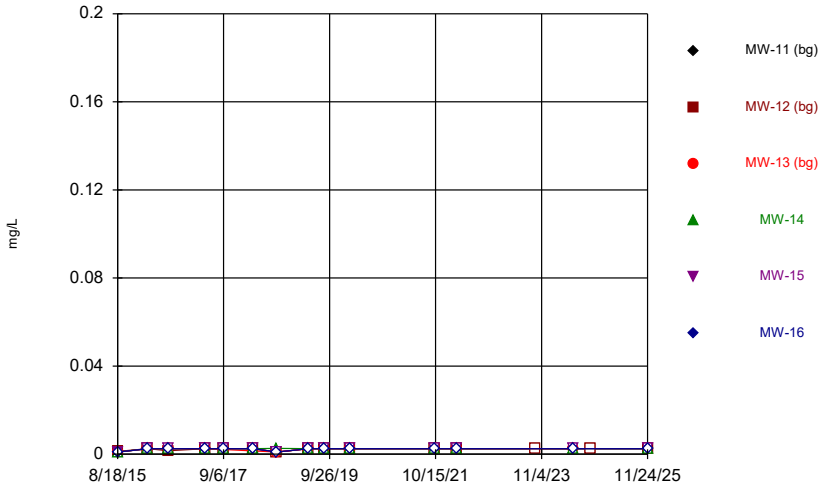
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



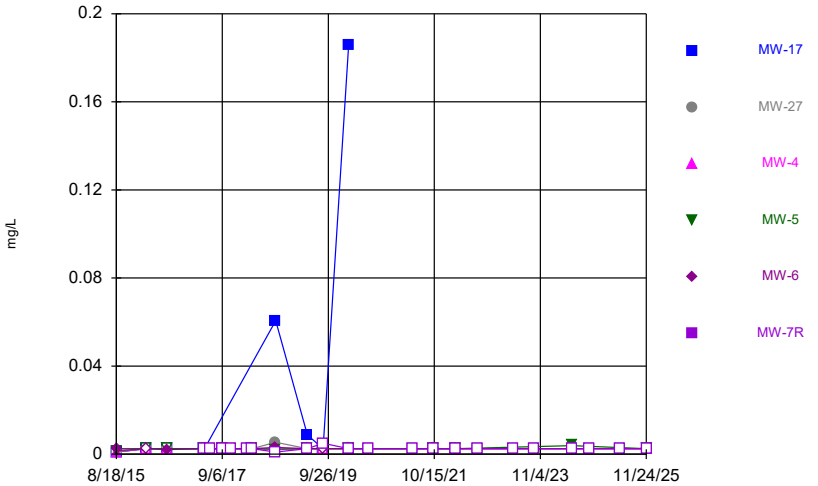
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



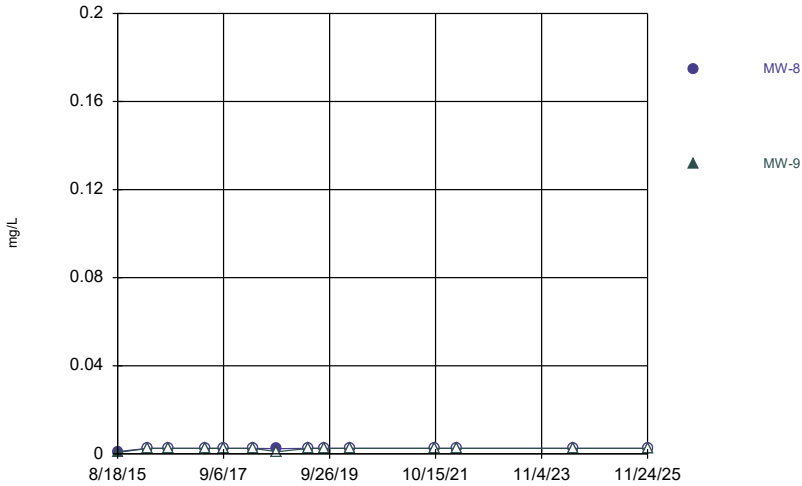
Constituent: Copper Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



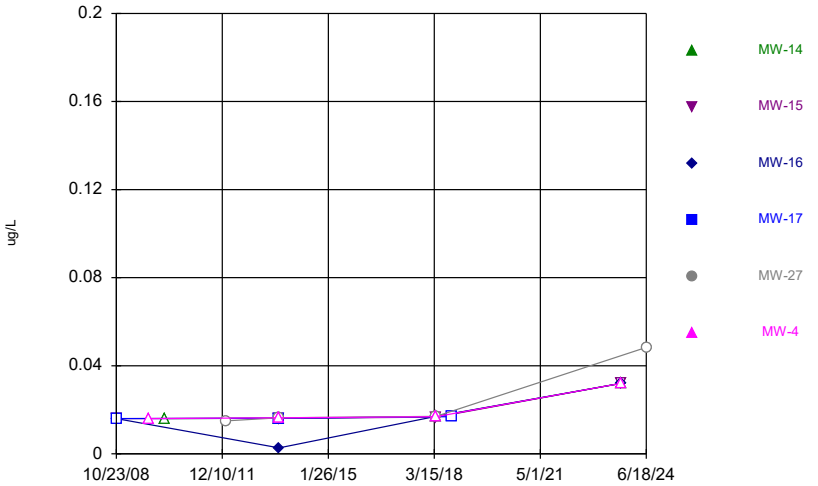
Constituent: Copper Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



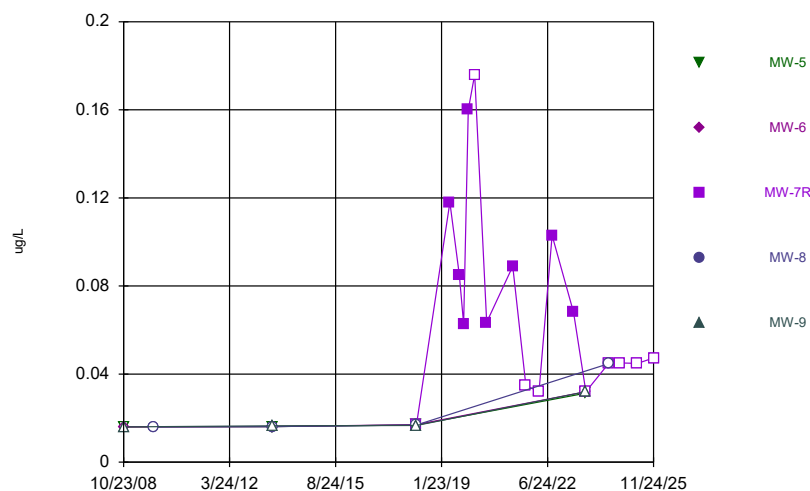
Constituent: Copper Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series

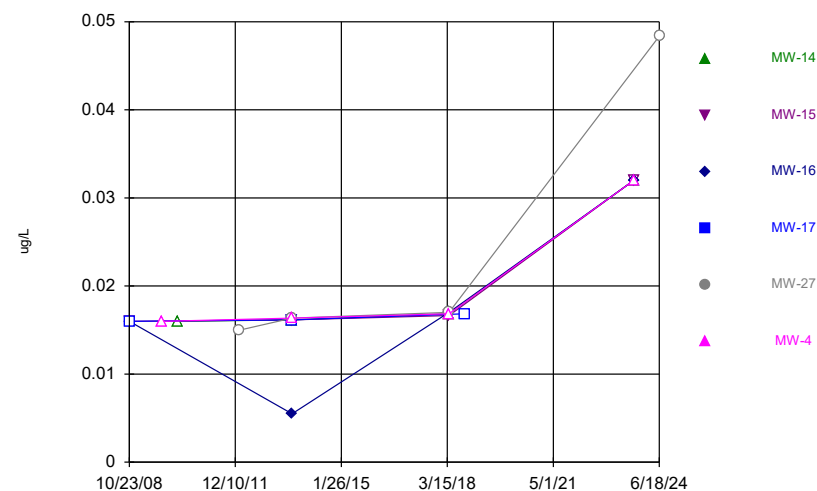


Constituent: Endosulfan I Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

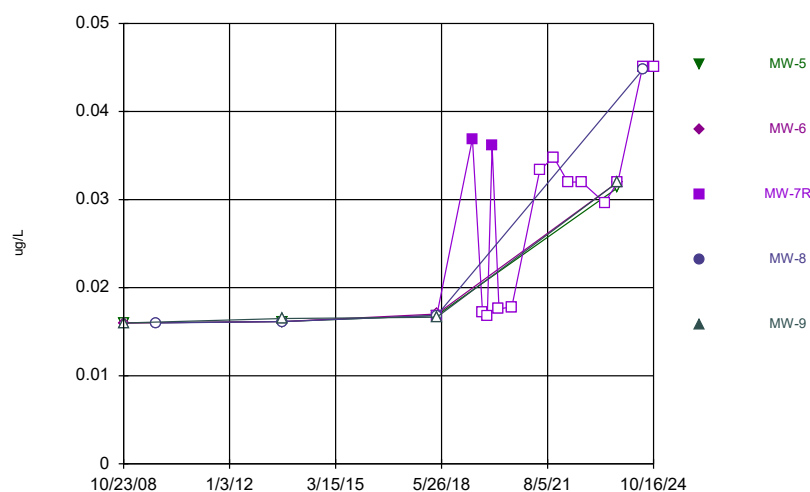
Time Series



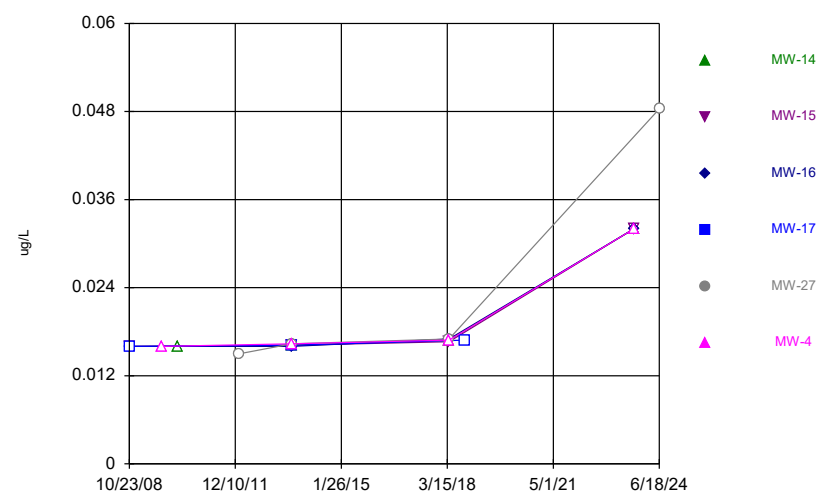
Time Series



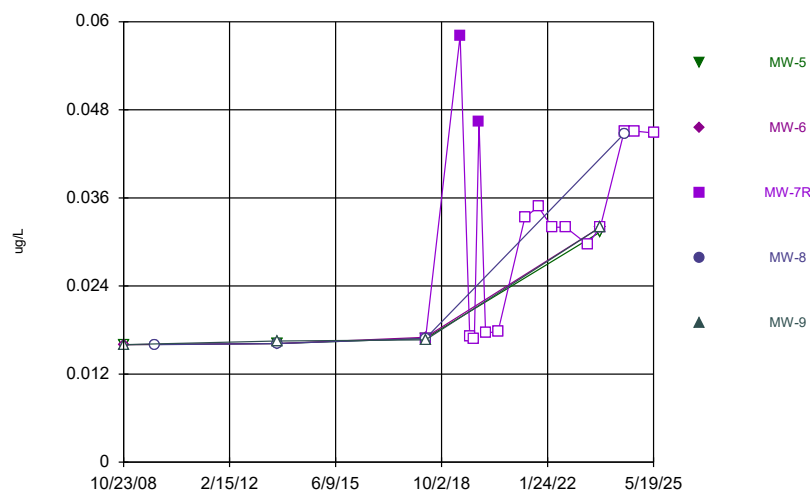
Time Series



Time Series

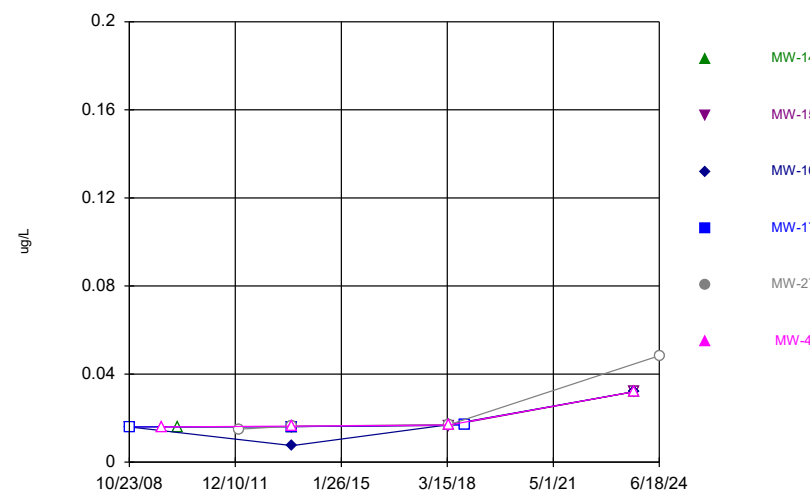


Time Series



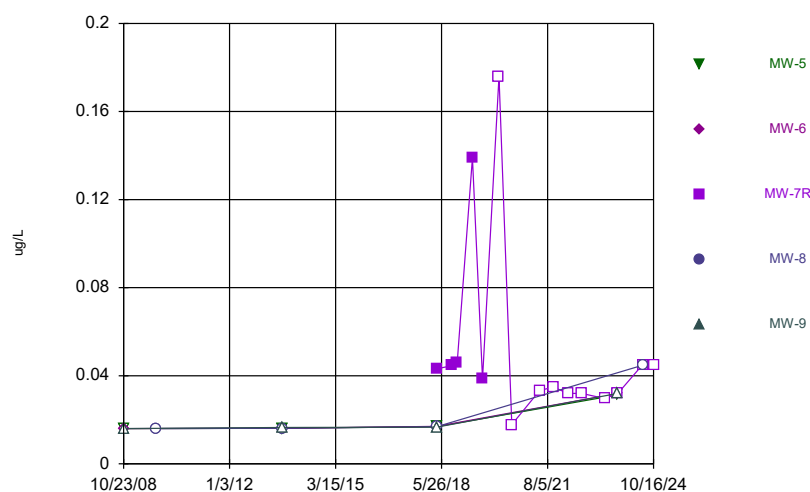
Constituent: Endrin Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



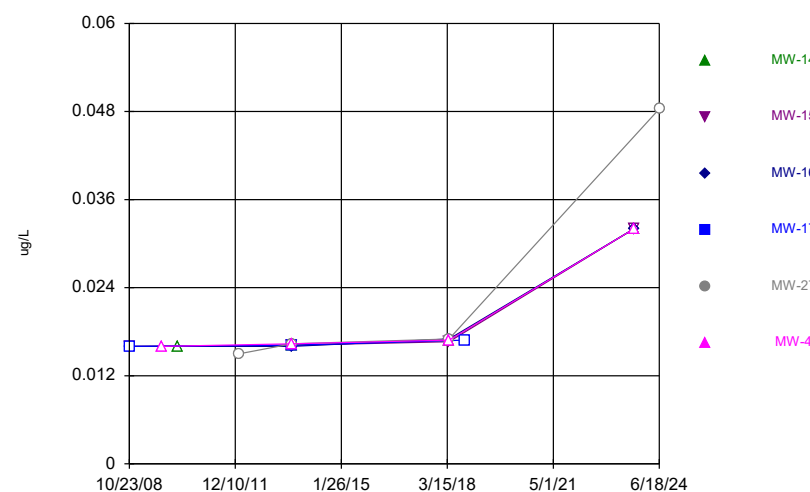
Constituent: Endrin aldehyde Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



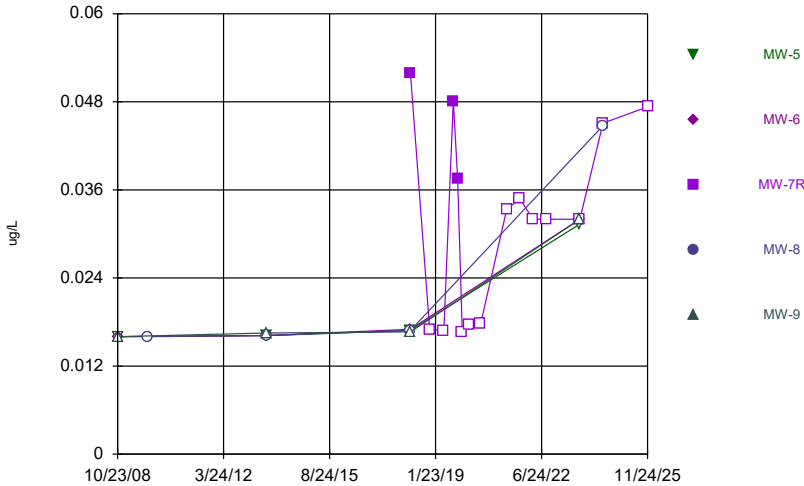
Constituent: Endrin aldehyde Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



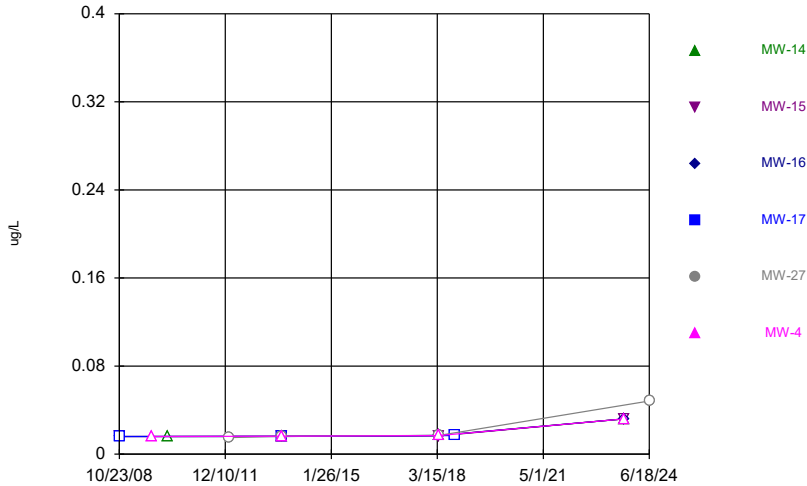
Constituent: gamma-BHC [Lindane] Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



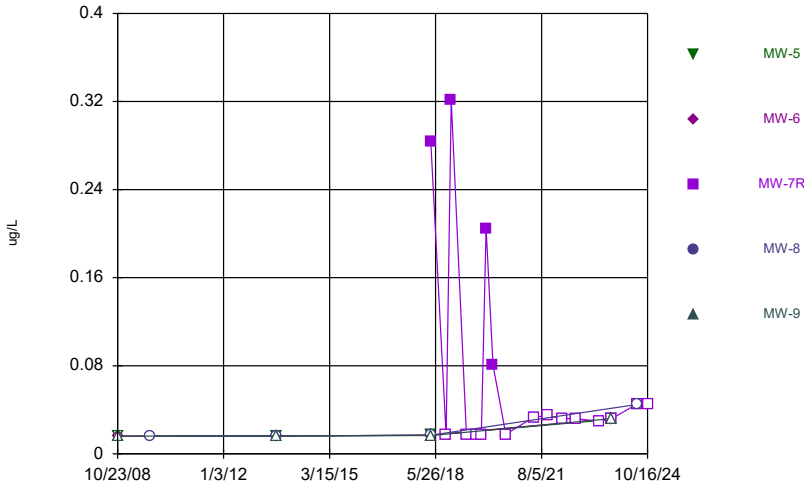
Constituent: gamma-BHC [Lindane] Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



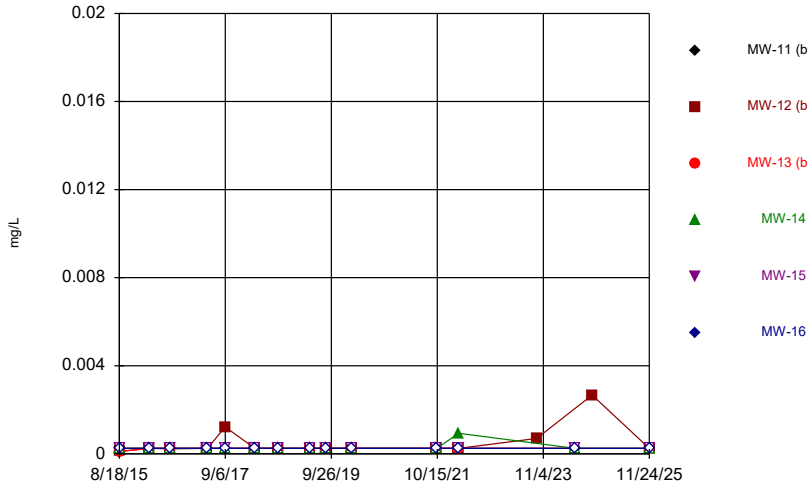
Constituent: Heptachlor Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



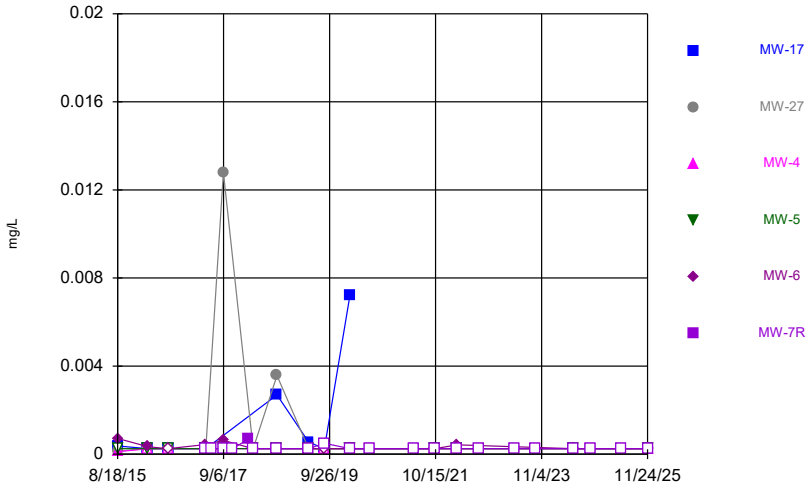
Constituent: Heptachlor Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



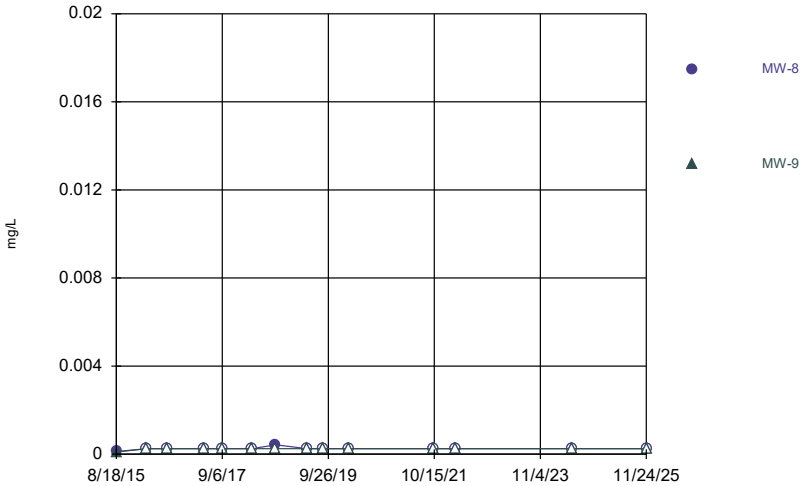
Constituent: Lead Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



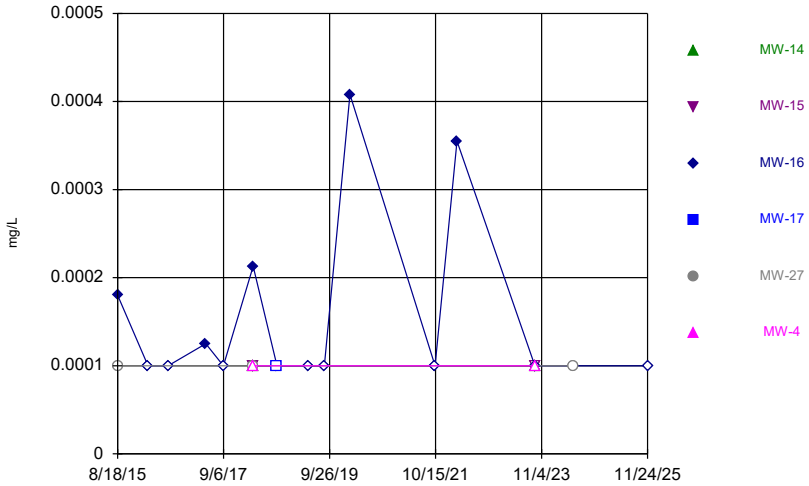
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



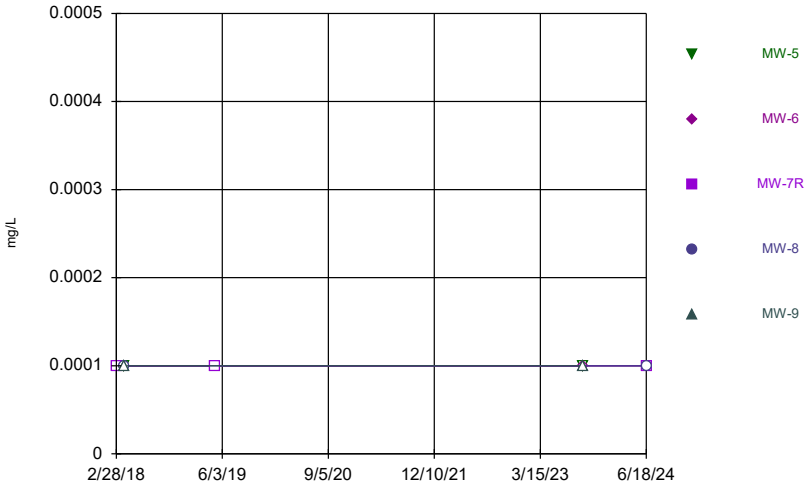
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



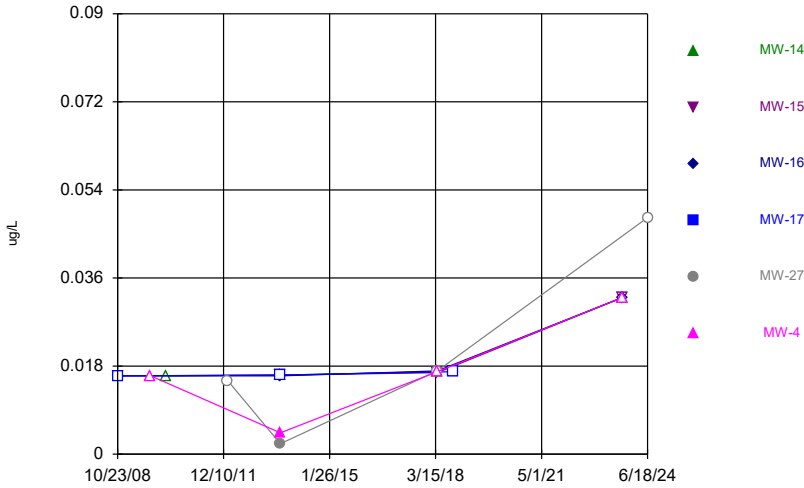
Constituent: Mercury Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



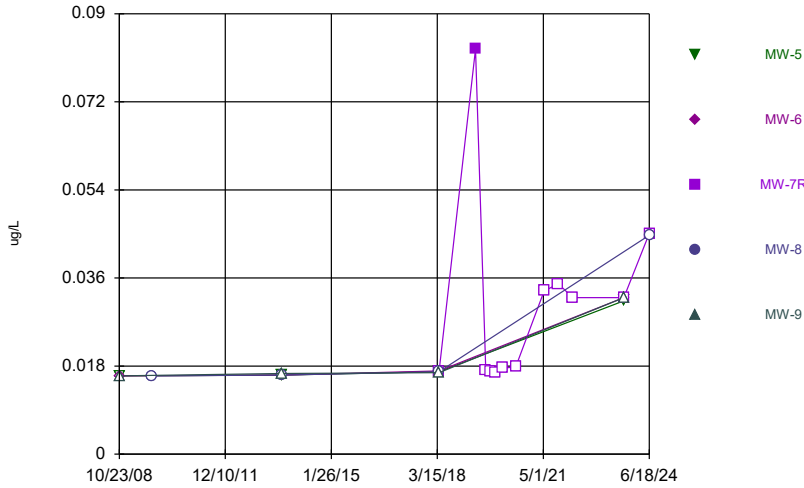
Constituent: Mercury Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



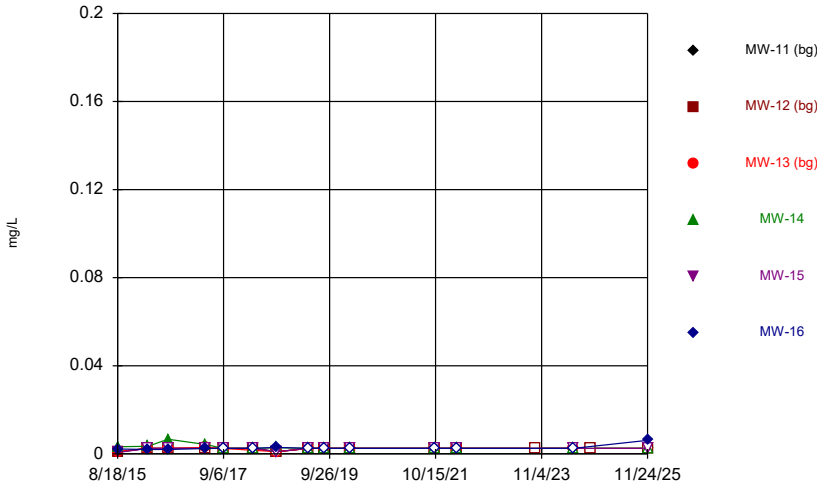
Constituent: Methoxychlor Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



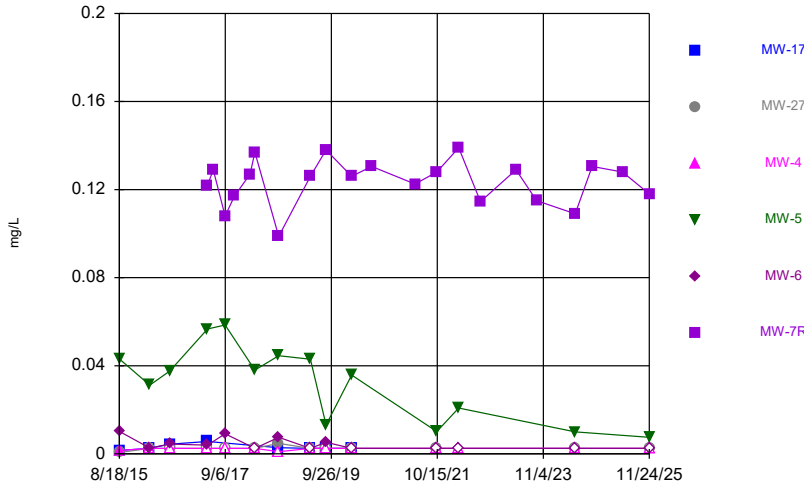
Constituent: Methoxychlor Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



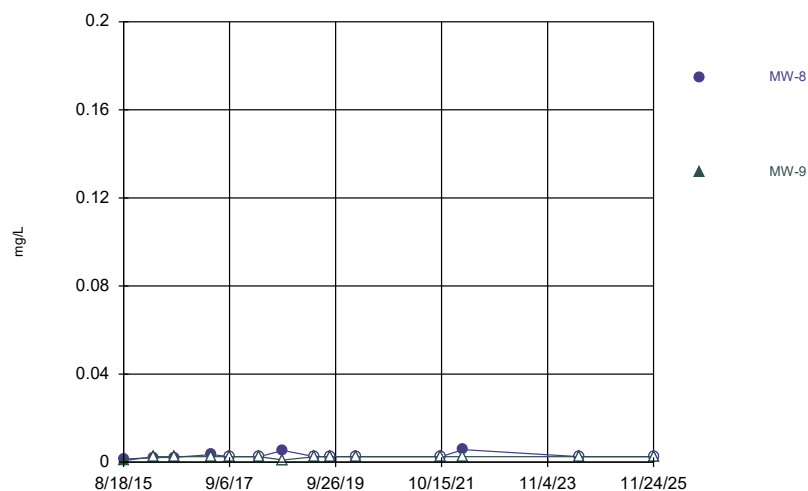
Constituent: Nickel Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series

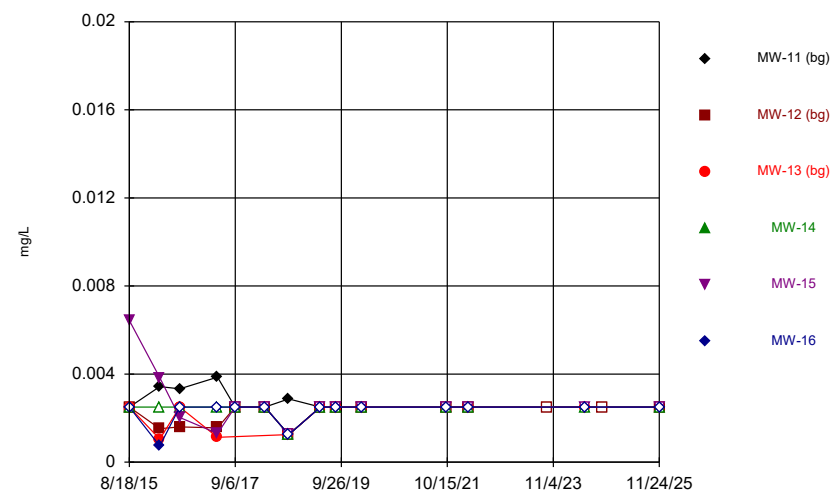


Constituent: Nickel Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

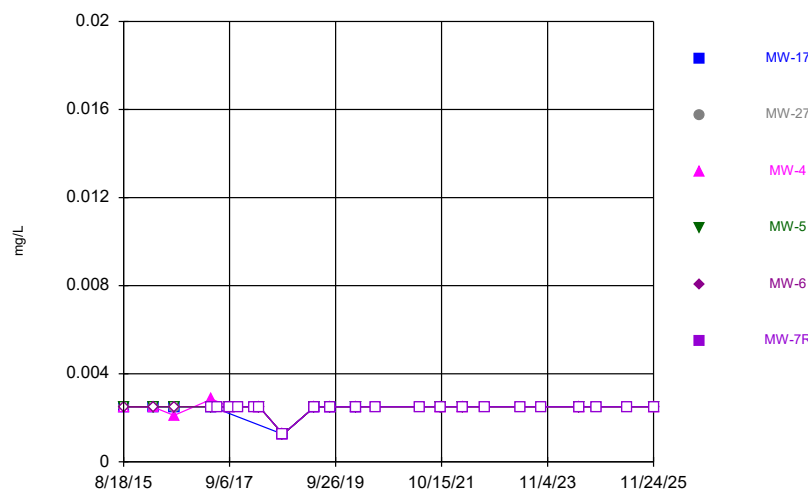
Time Series



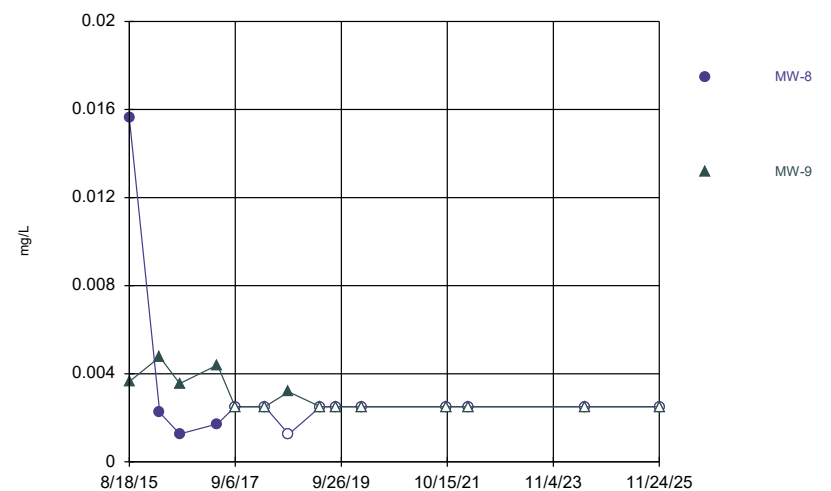
Time Series



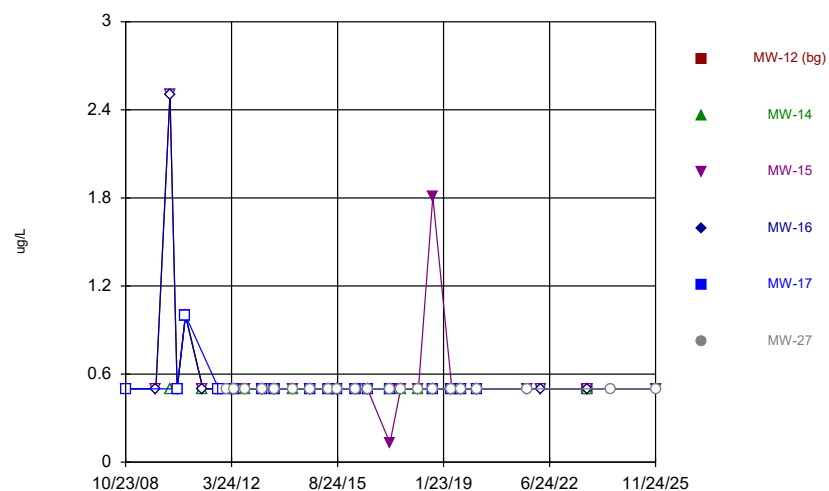
Time Series



Time Series

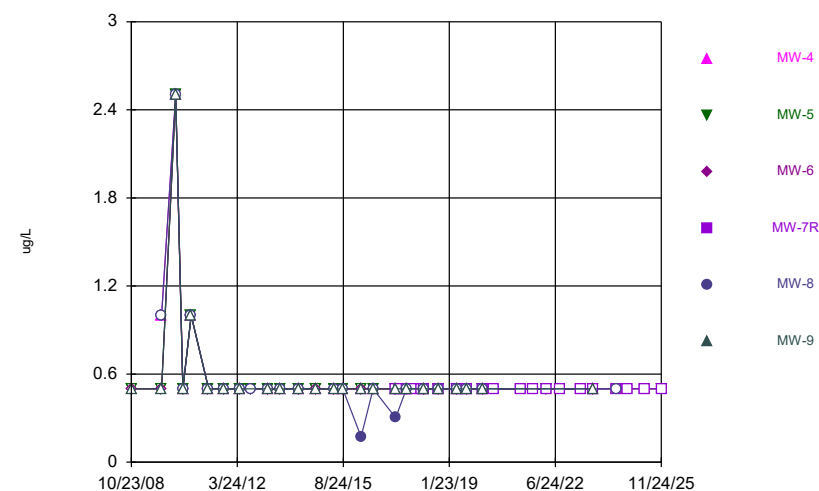


Time Series



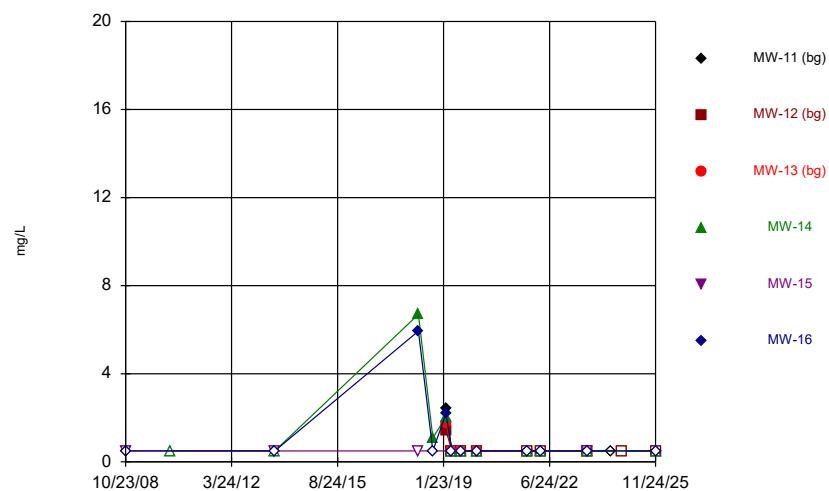
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



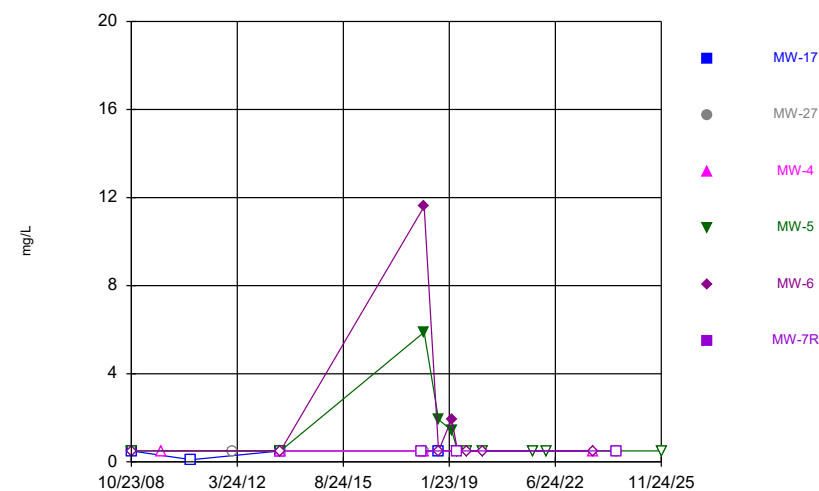
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



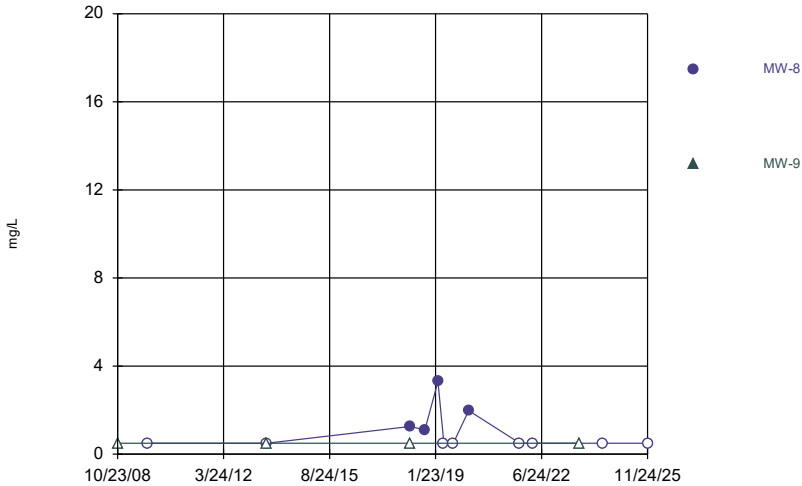
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Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



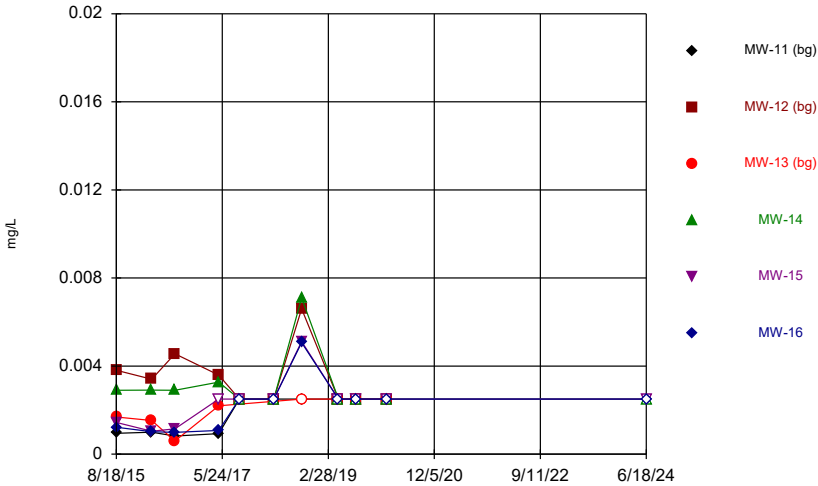
Constituent: Sulfide Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



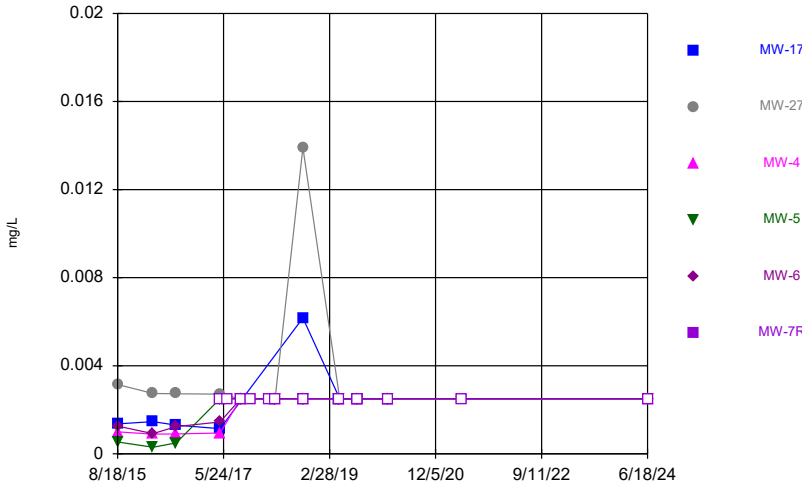
Constituent: Sulfide Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



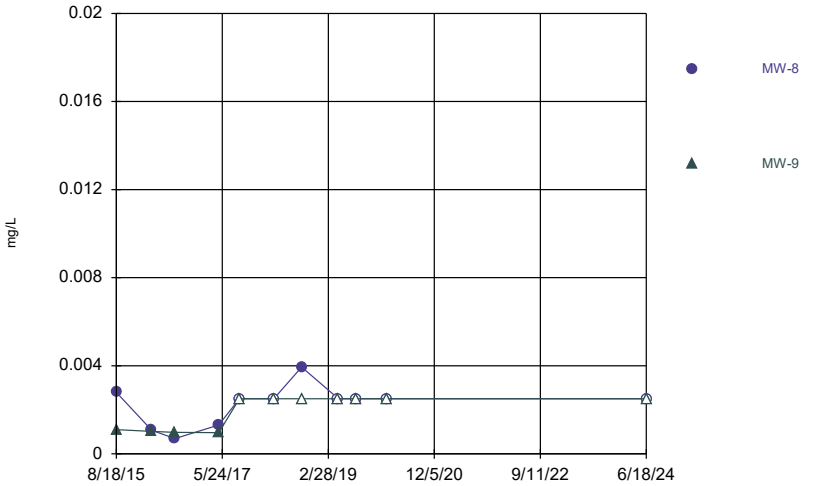
Constituent: Vanadium Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



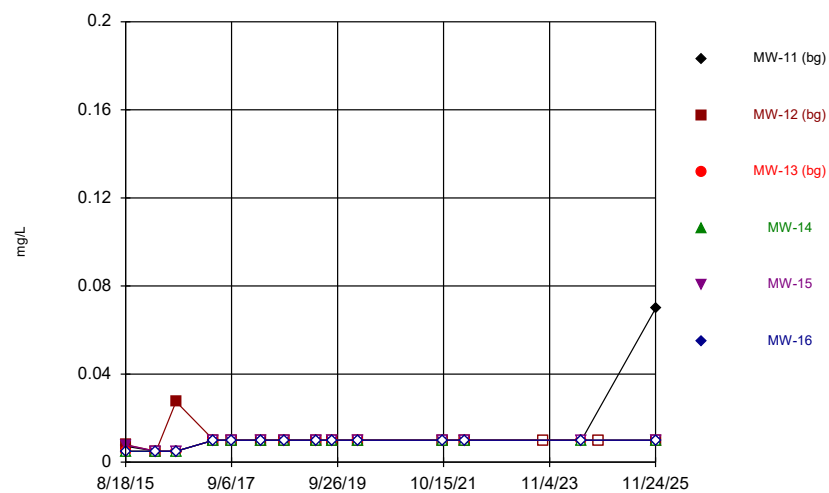
Constituent: Vanadium Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



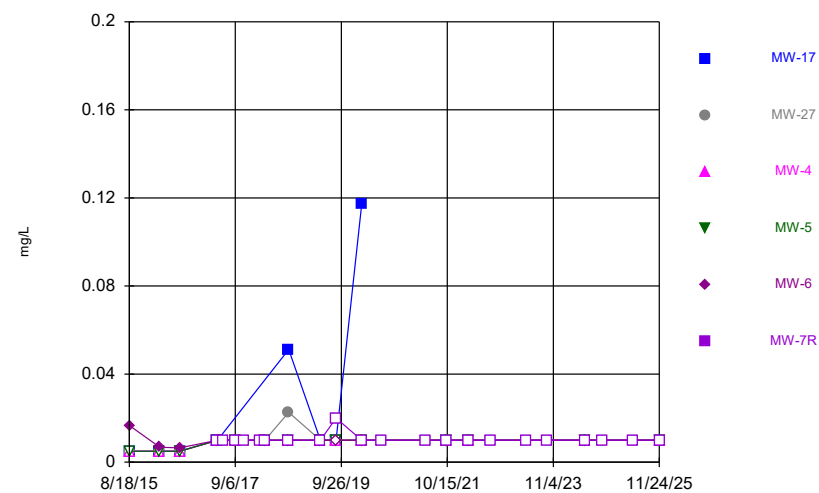
Constituent: Vanadium Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



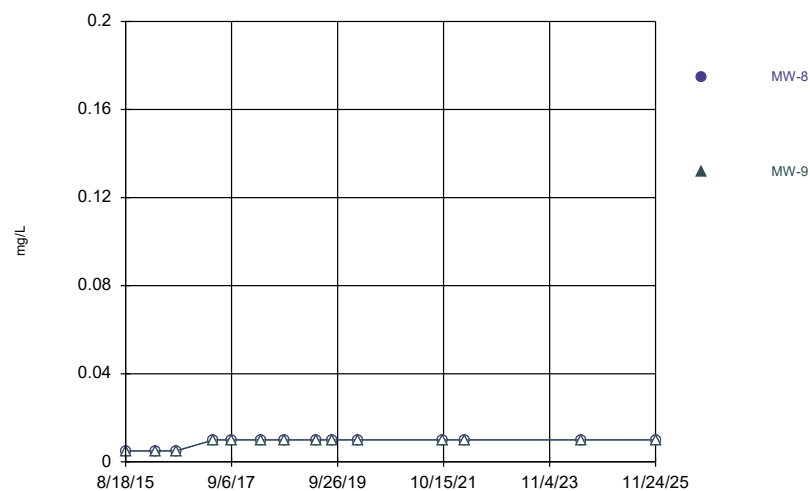
Constituent: Zinc Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



Constituent: Zinc Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Time Series



Constituent: Zinc Analysis Run 1/21/2026 9:28 AM View: 2025_AWQR-Time_Series
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

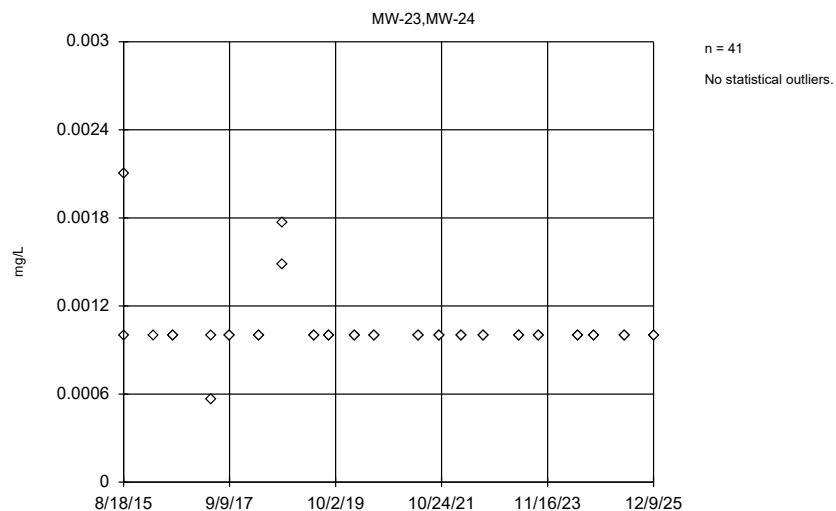
Outliers Table and Graphs

Outlier Analysis

Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 1/22/2026, 3:26 PM

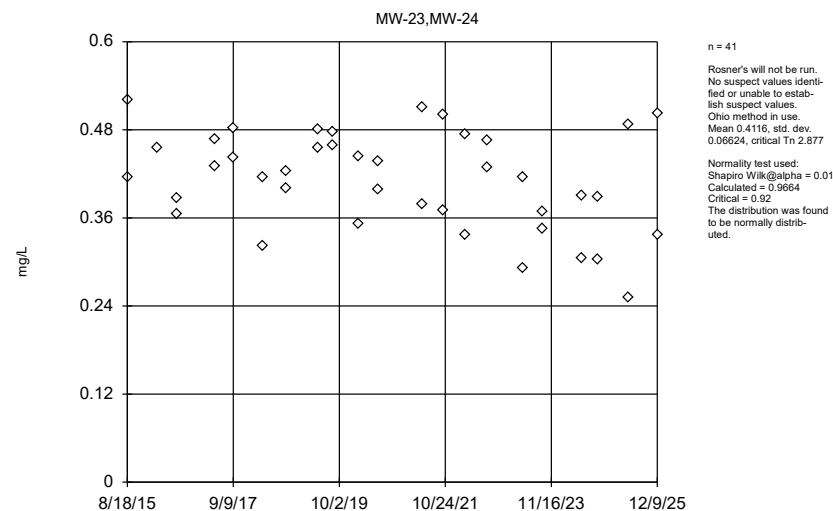
<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Arsenic (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	41	0.001047	0.0002312	n/a	n/a
Barium (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	EPA/OH	0.05	41	0.4116	0.06624	normal	ShapiroWilk
Beryllium (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	41	0.0004831	0.00007895	n/a	n/a
Cadmium (mg/L)	MW-23,MW-24	Yes	0.000774,0.000694,0.000657	n/a w/combined bg	OH	NaN	41	0.000168	0.0001733	n/a	n/a
Chromium (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	41	0.002743	0.0009612	n/a	n/a
Cobalt (mg/L)	MW-23,MW-24	Yes	0.00129	n/a w/combined bg	OH	NaN	41	0.0003315	0.0002068	n/a	n/a
Copper (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	41	0.002613	0.001084	n/a	n/a
Lead (mg/L)	MW-23,MW-24	Yes	0.00185,0.00122	n/a w/combined bg	OH	NaN	41	0.0003603	0.0003198	n/a	n/a
Nickel (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	41	0.002449	0.0005065	n/a	n/a
Selenium (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	41	0.002309	0.0004699	n/a	n/a
Silver (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	41	0.000499	0.0001214	n/a	n/a
Thallium (mg/L)	MW-23,MW-24	Yes	0.001	n/a w/combined bg	OH	NaN	40	0.000514	0.0001328	n/a	n/a
Vanadium (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	NP (nrm)/OH	NaN	41	0.003195	0.002239	unknown	ShapiroWilk
Zinc (mg/L)	MW-23,MW-24	No	n/a	n/a w/combined bg	OH	NaN	41	0.009566	0.001558	n/a	n/a

Ohio EPA 0715 Outlier Algorithm, Pooled Background



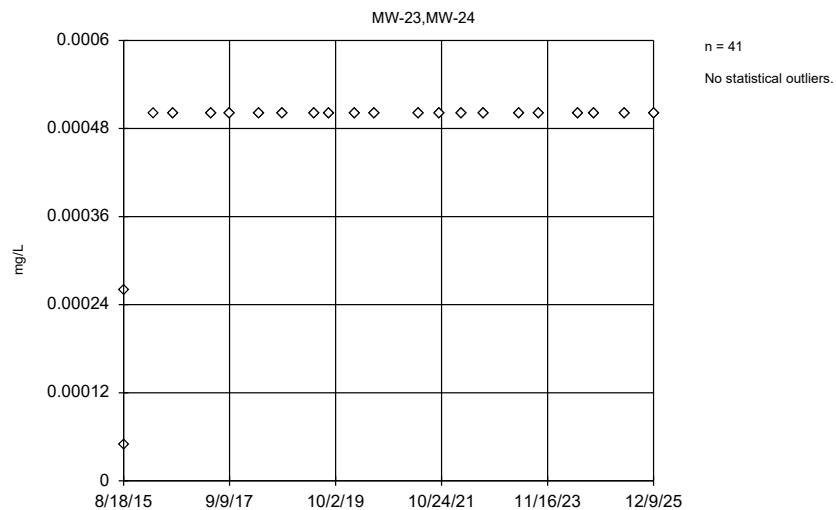
Constituent: Arsenic Analysis Run 1/22/2026 3:24 PM View: 2025_AWQR-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

EPA Screening (suspected outliers for Rosner's Test)



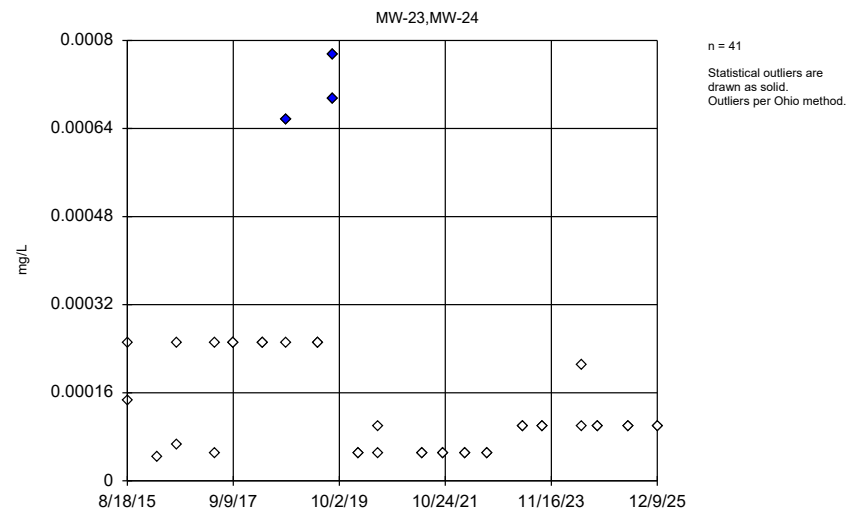
Constituent: Barium Analysis Run 1/22/2026 3:24 PM View: 2025_AWQR-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background



Constituent: Beryllium Analysis Run 1/22/2026 3:24 PM View: 2025_AWQR-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

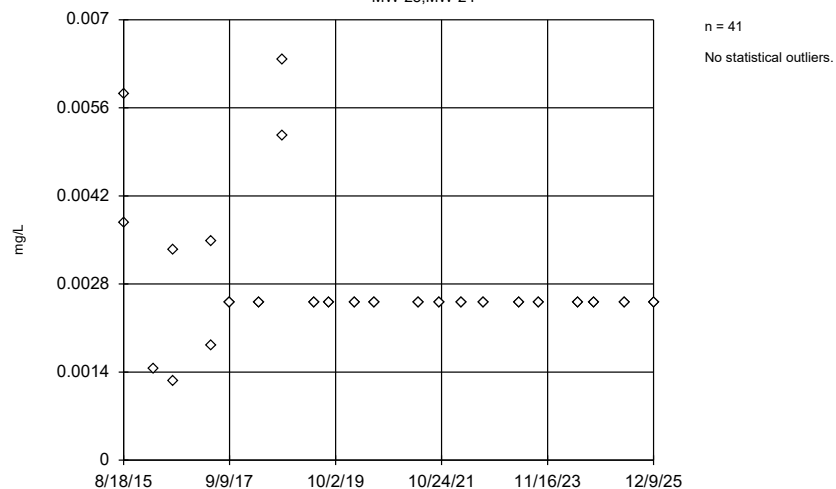
Ohio EPA 0715 Outlier Algorithm, Pooled Background



Constituent: Cadmium Analysis Run 1/22/2026 3:24 PM View: 2025_AWQR-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background

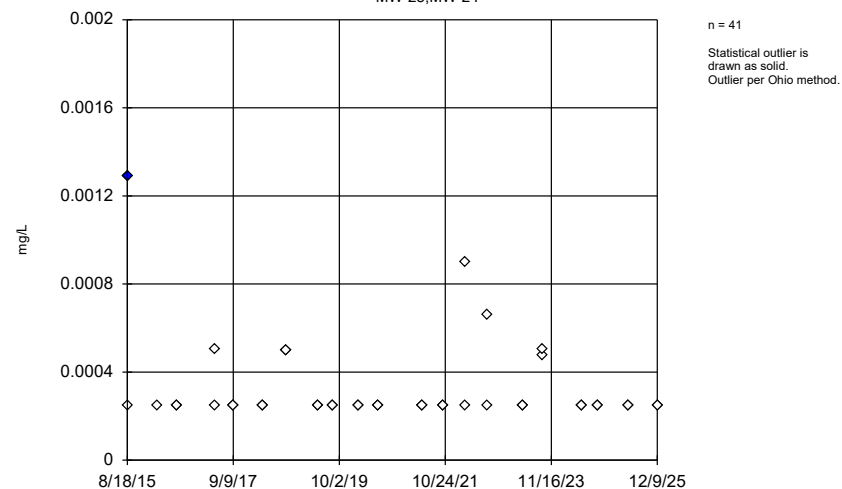
MW-23,MW-24



Constituent: Chromium Analysis Run 1/22/2026 3:24 PM View: 2025_AWQR-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

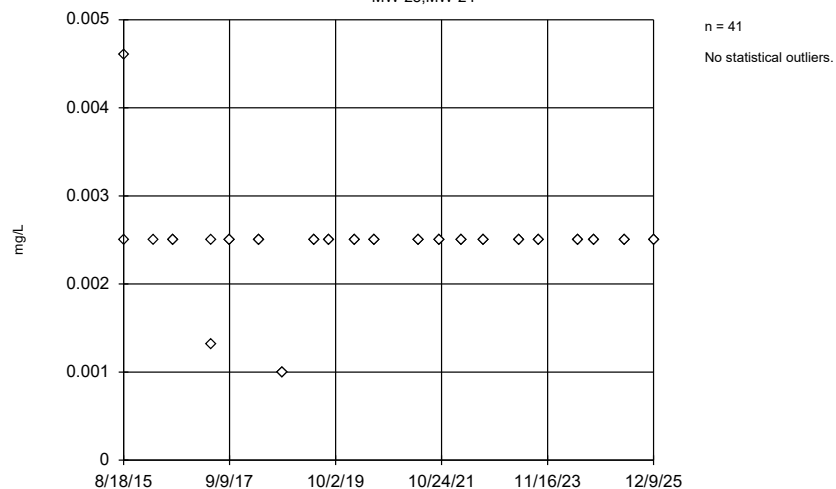
Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-23,MW-24



Ohio EPA 0715 Outlier Algorithm, Pooled Background

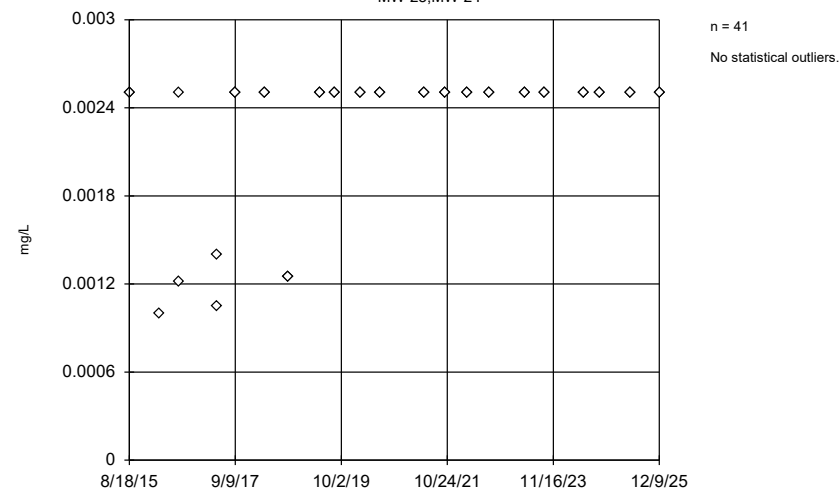
MW-23,MW-24



Constituent: Nickel Analysis Run 1/22/2026 3:25 PM View: 2025_AWQR-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background

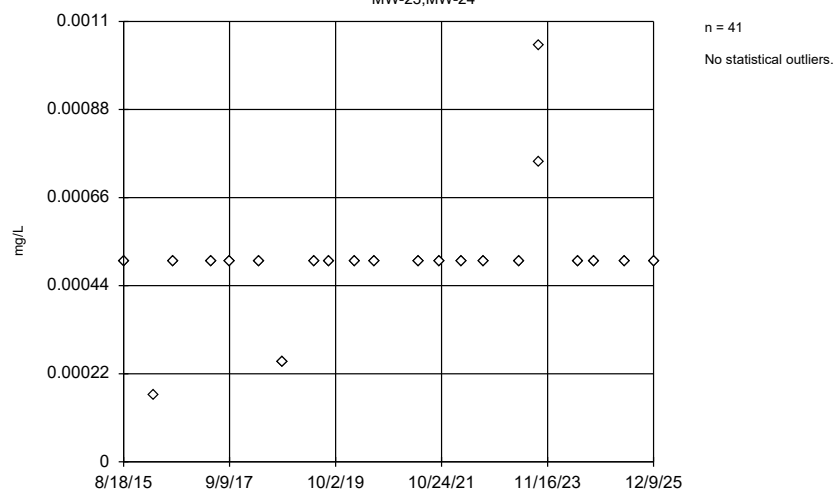
MW-23,MW-24



Constituent: Selenium Analysis Run 1/22/2026 3:25 PM View: 2025_AWQR-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background

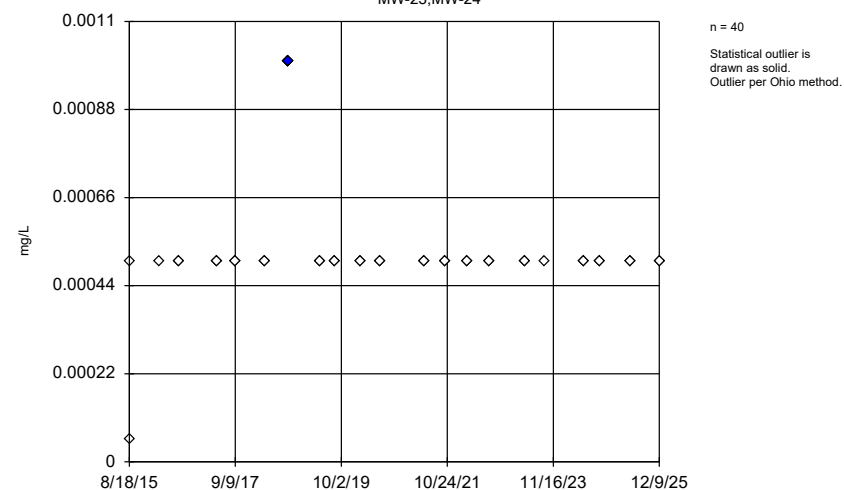
MW-23,MW-24



Constituent: Silver Analysis Run 1/22/2026 3:25 PM View: 2025_AWQR-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

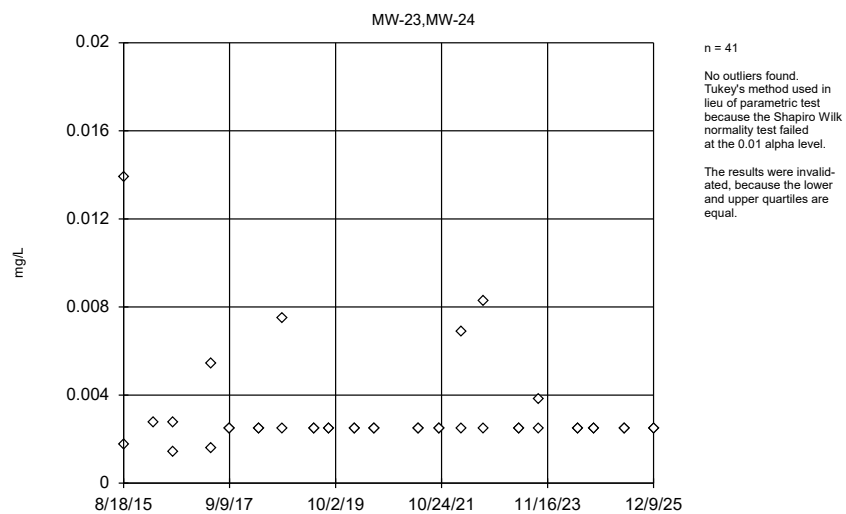
Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-23,MW-24



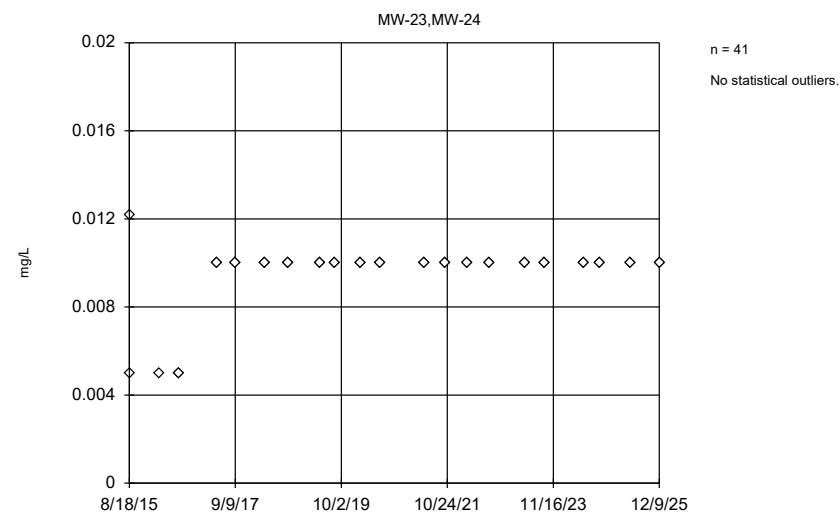
Constituent: Thallium Analysis Run 1/22/2026 3:25 PM View: 2025_AWQR-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm, Pooled Background



Constituent: Vanadium Analysis Run 1/22/2026 3:25 PM View: 2025_AWQR-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background

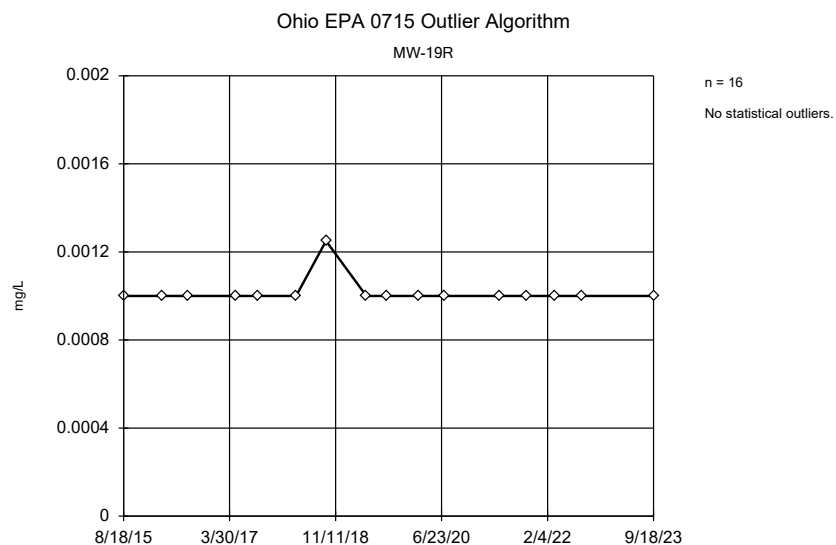


Constituent: Zinc Analysis Run 1/22/2026 3:25 PM View: 2025_AWQR-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

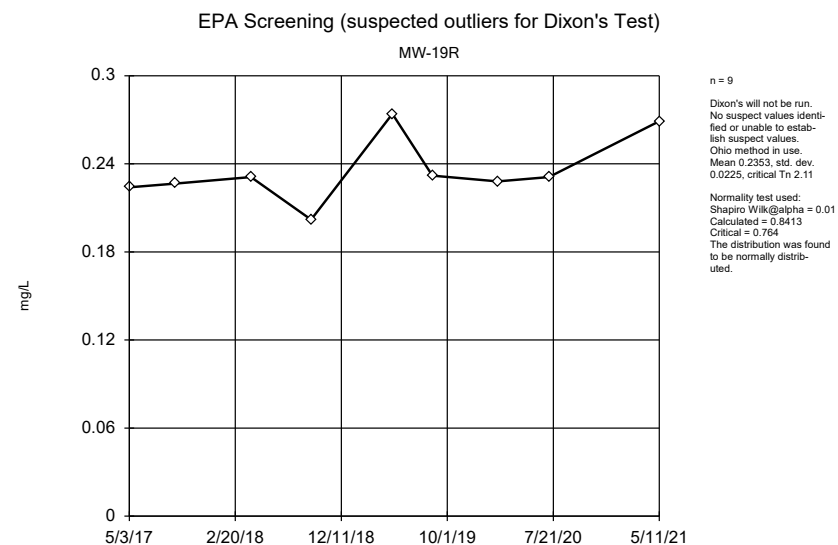
Outlier Analysis

Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 1/23/2026, 2:04 PM

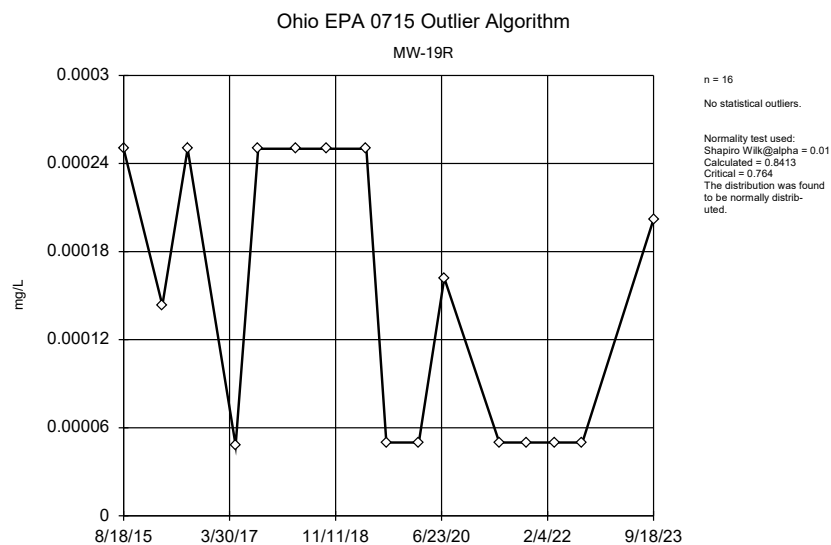
<u>Constituent</u>	<u>Well</u>	<u>OutlierValue(s)</u>		<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Arsenic (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	16	0.001016	0.0000625	n/a	n/a
Barium (mg/L)	MW-19R	No	n/a	n/a	EPA/OH	0.05	9	0.2353	0.0225	normal	ShapiroWilk
Cadmium (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	16	0.0001472	0.00009422	n/a	n/a
Chromium (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	16	0.002297	0.0005712	n/a	n/a
Cobalt (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	16	0.0002357	0.0000951	n/a	n/a
Lead (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	17	0.00028	0.0001142	n/a	n/a
Nickel (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	16	0.002302	0.0005432	n/a	n/a
Silver (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	16	0.0004598	0.0001131	n/a	n/a
Vanadium (mg/L)	MW-19R	No	n/a	n/a	OH	NaN	16	0.002223	0.0005025	n/a	n/a



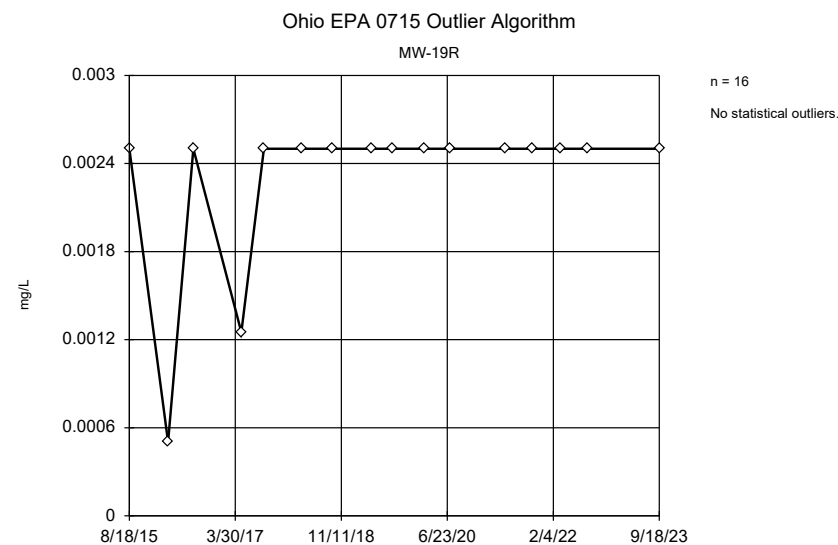
Constituent: Arsenic Analysis Run 1/23/2026 1:59 PM View: 2025 AWQR MW-19R Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



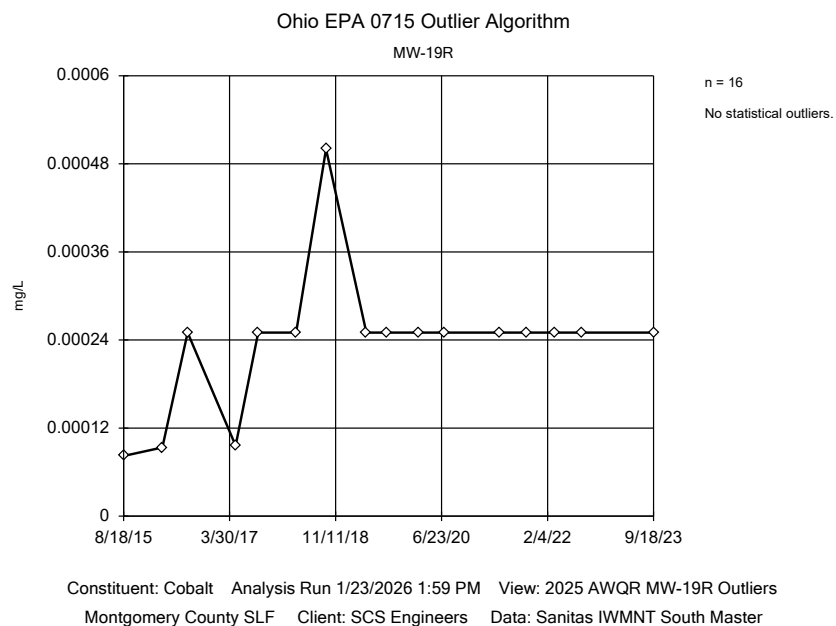
Constituent: Barium Analysis Run 1/23/2026 1:59 PM View: 2025 AWQR MW-19R Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

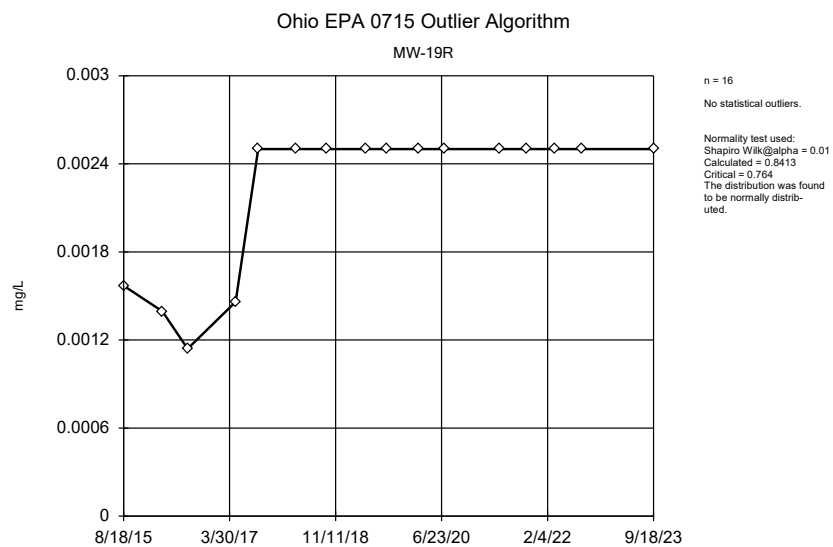


Constituent: Cadmium Analysis Run 1/23/2026 1:59 PM View: 2025 AWQR MW-19R Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Chromium Analysis Run 1/23/2026 1:59 PM View: 2025 AWQR MW-19R Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master





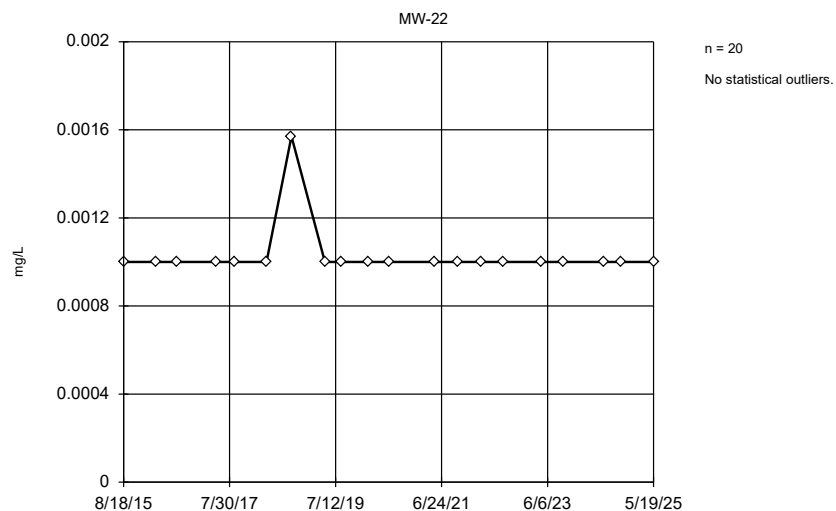
Constituent: Vanadium Analysis Run 1/23/2026 1:59 PM View: 2025 AWQR MW-19R Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Outlier Analysis

Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 1/23/2026, 2:57 PM

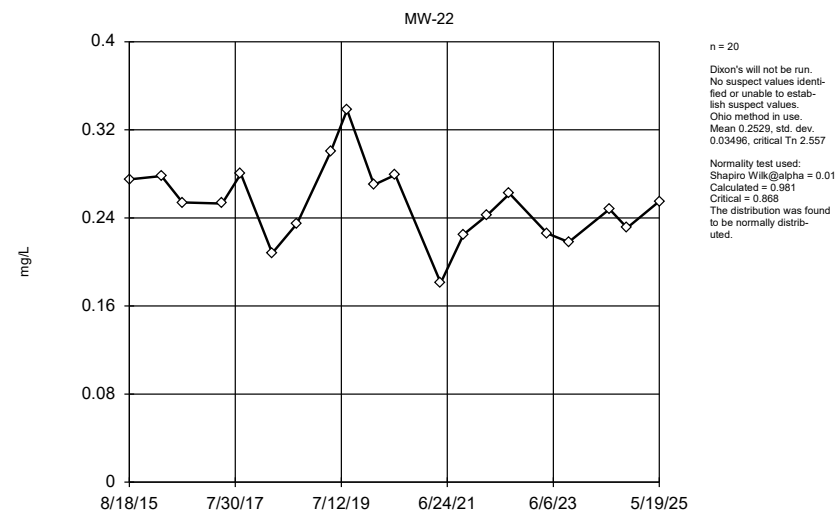
<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Arsenic (mg/L)	MW-22	No	n/a	n/a	OH	NaN	20	0.001029	0.0001275	n/a	n/a
Barium (mg/L)	MW-22	No	n/a	n/a	EPA/OH	0.05	20	0.2529	0.03496	normal	ShapiroWilk
Cadmium (mg/L)	MW-22	No	n/a	n/a	OH	NaN	20	0.0001506	0.00009363	n/a	n/a
Chromium (mg/L)	MW-22	No	n/a	n/a	OH	NaN	20	0.002282	0.000452	n/a	n/a
Cobalt (mg/L)	MW-22	Yes	0.0005	9/19/2018	OH	NaN	20	0.0002518	0.00007547	n/a	n/a
Copper (mg/L)	MW-22	No	n/a	n/a	OH	NaN	20	0.002388	0.000378	n/a	n/a
Lead (mg/L)	MW-22	No	n/a	n/a	OH	NaN	20	0.0002459	0.00001856	n/a	n/a
Selenium (mg/L)	MW-22	No	n/a	n/a	OH	NaN	20	0.002357	0.0004442	n/a	n/a
Silver (mg/L)	MW-22	No	n/a	n/a	OH	NaN	20	0.0004515	0.0001209	n/a	n/a
Vanadium (mg/L)	MW-22	No	n/a	n/a	OH	NaN	20	0.002361	0.000288	n/a	n/a

Ohio EPA 0715 Outlier Algorithm



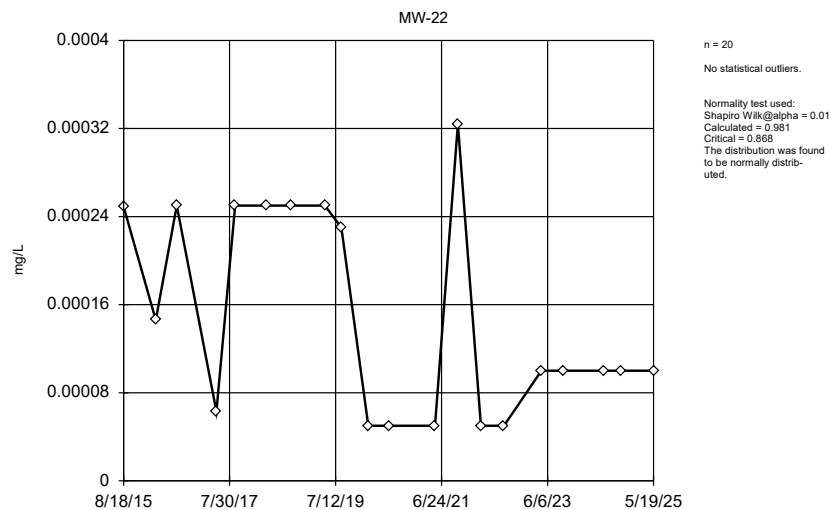
Constituent: Arsenic Analysis Run 1/23/2026 2:55 PM View: 2025 AWQR MW-22 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

EPA Screening (suspected outliers for Dixon's Test)



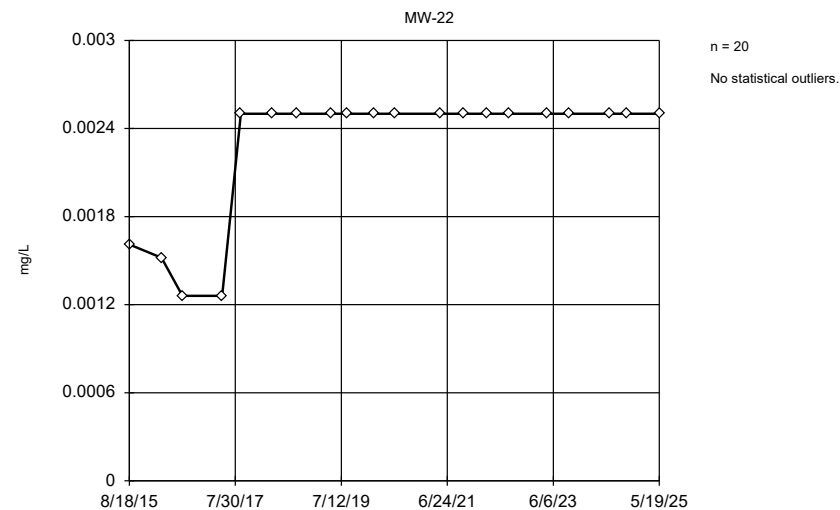
Constituent: Barium Analysis Run 1/23/2026 2:55 PM View: 2025 AWQR MW-22 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm

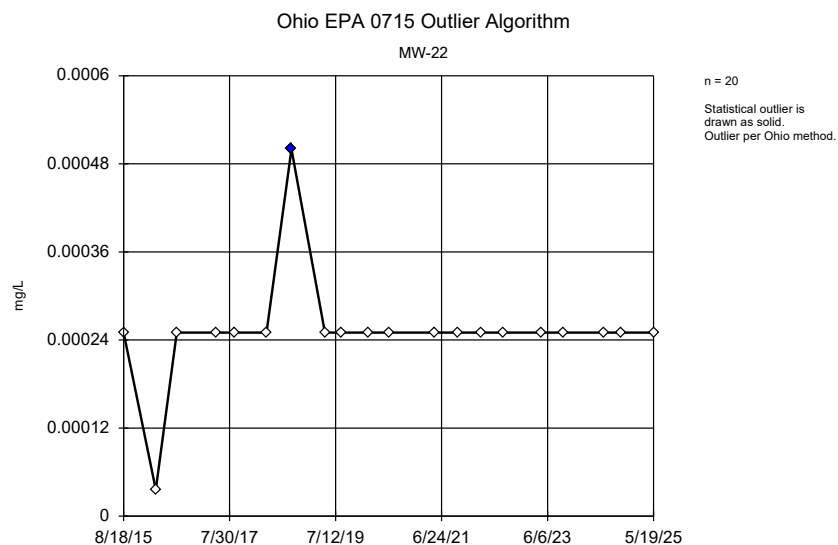


Constituent: Cadmium Analysis Run 1/23/2026 2:55 PM View: 2025 AWQR MW-22 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

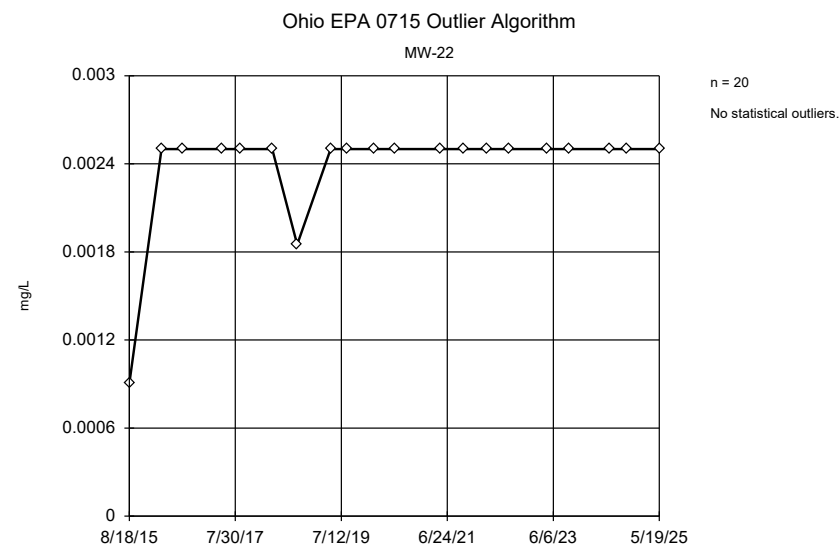
Ohio EPA 0715 Outlier Algorithm



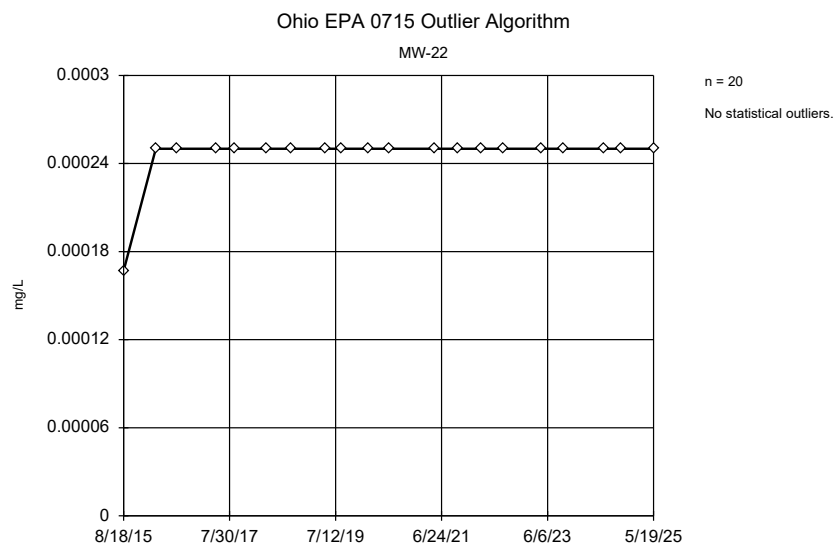
Constituent: Chromium Analysis Run 1/23/2026 2:55 PM View: 2025 AWQR MW-22 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



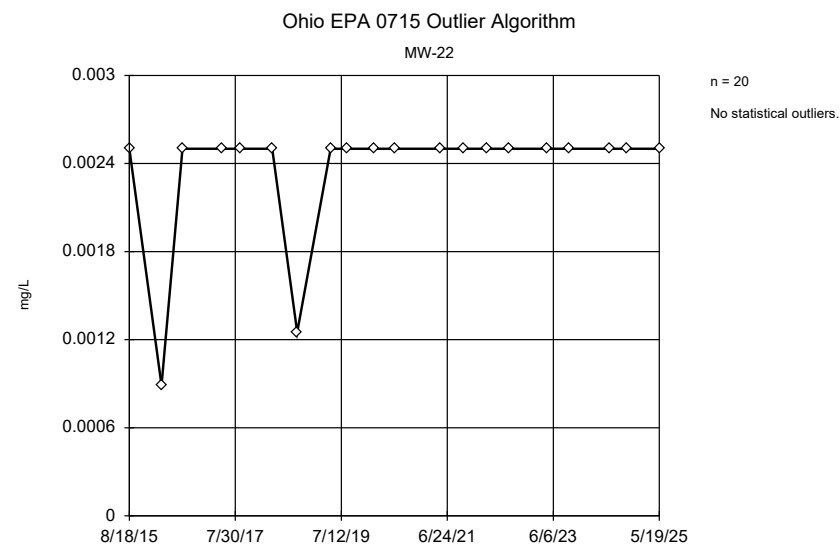
Constituent: Cobalt Analysis Run 1/23/2026 2:55 PM View: 2025 AWQR MW-22 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



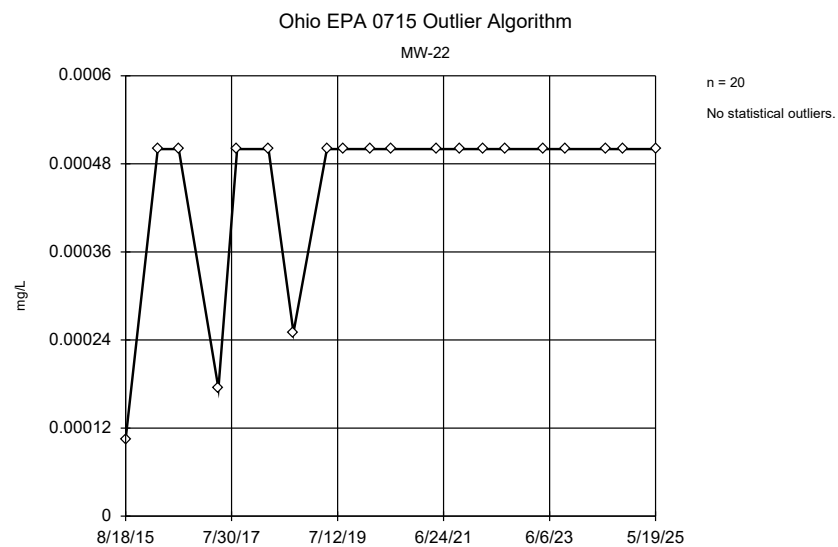
Constituent: Copper Analysis Run 1/23/2026 2:55 PM View: 2025 AWQR MW-22 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



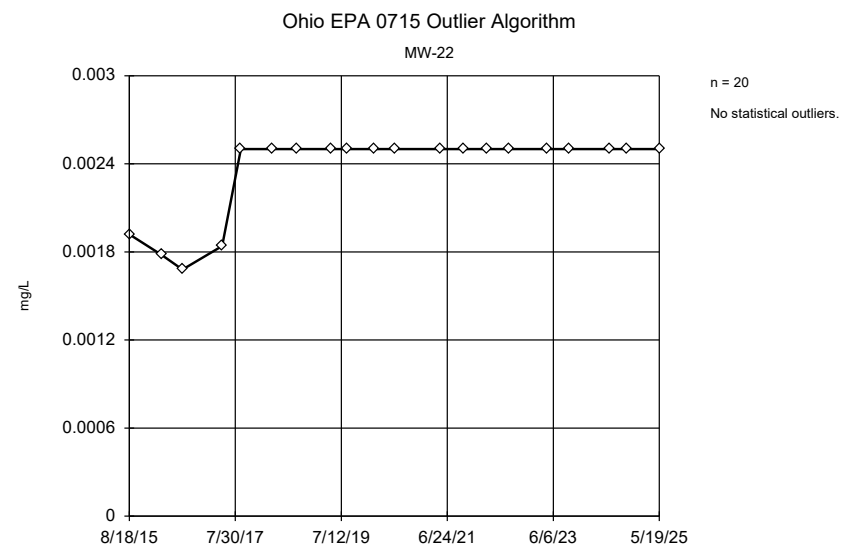
Constituent: Lead Analysis Run 1/23/2026 2:55 PM View: 2025 AWQR MW-22 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Selenium Analysis Run 1/23/2026 2:55 PM View: 2025 AWQR MW-22 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Silver Analysis Run 1/23/2026 2:55 PM View: 2025 AWQR MW-22 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



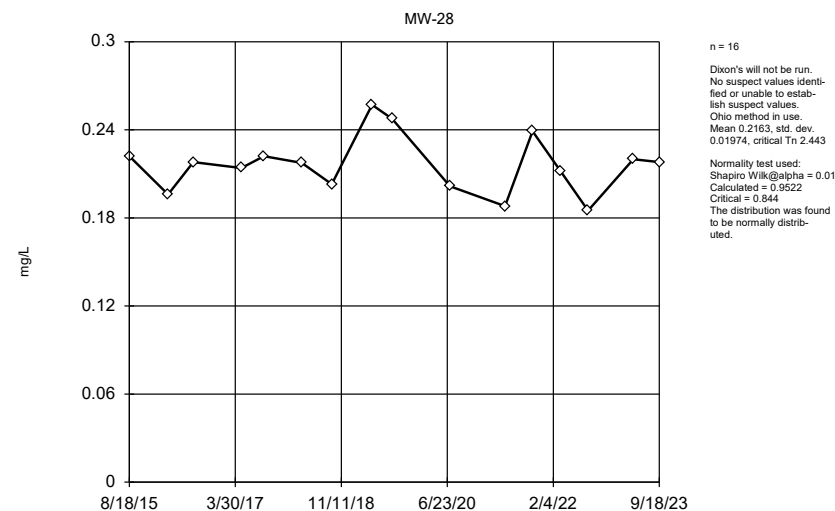
Constituent: Vanadium Analysis Run 1/23/2026 2:55 PM View: 2025 AWQR MW-22 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Outlier Analysis

Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 1/26/2026, 8:06 AM

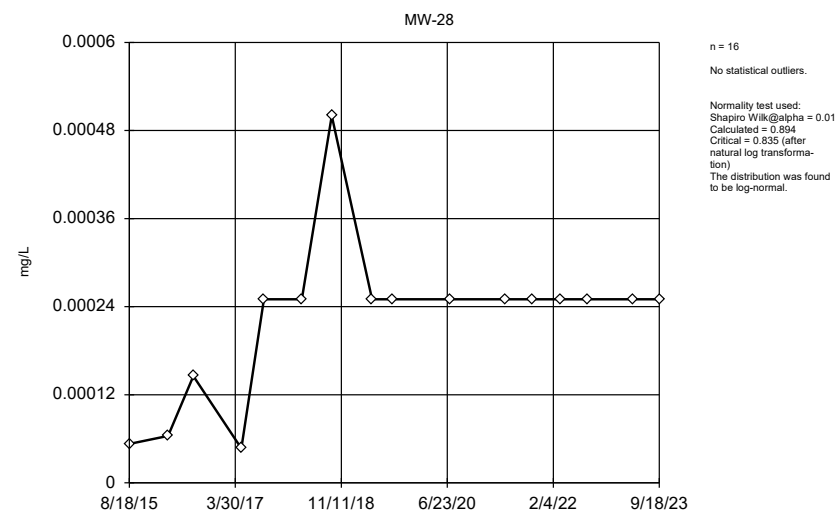
<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>		<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Arsenic (mg/L)	MW-28	No	n/a		n/a	OH	NaN	16	0.001059	0.0002375	n/a	n/a
Barium (mg/L)	MW-28	No	n/a		n/a	EPA/OH	0.05	16	0.2163	0.01974	normal	ShapiroWilk
Cadmium (mg/L)	MW-28	No	n/a		n/a	EPA/OH	0.05	15	0.0001722	0.000141	ln(x)	ShapiroWilk
Cobalt (mg/L)	MW-28	No	n/a		n/a	OH	NaN	16	0.0002225	0.0001083	n/a	n/a
Copper (mg/L)	MW-28	No	n/a		n/a	OH	NaN	16	0.00242	0.0005326	n/a	n/a
Lead (mg/L)	MW-28	No	n/a		n/a	OH	NaN	16	0.0002421	0.0000315	n/a	n/a
Nickel (mg/L)	MW-28	No	n/a		n/a	OH	NaN	16	0.002354	0.000528	n/a	n/a
Selenium (mg/L)	MW-28	No	n/a		n/a	OH	NaN	16	0.002157	0.0006301	n/a	n/a
Vanadium (mg/L)	MW-28	No	n/a		n/a	OH	NaN	16	0.002154	0.0007448	n/a	n/a

EPA Screening (suspected outliers for Dixon's Test)

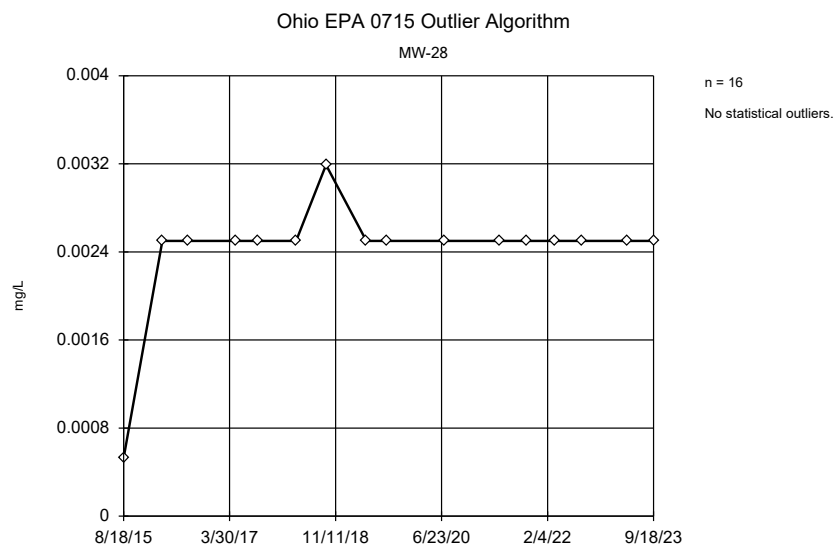


Constituent: Barium Analysis Run 1/26/2026 8:04 AM View: 2025 AWQR MW-28 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

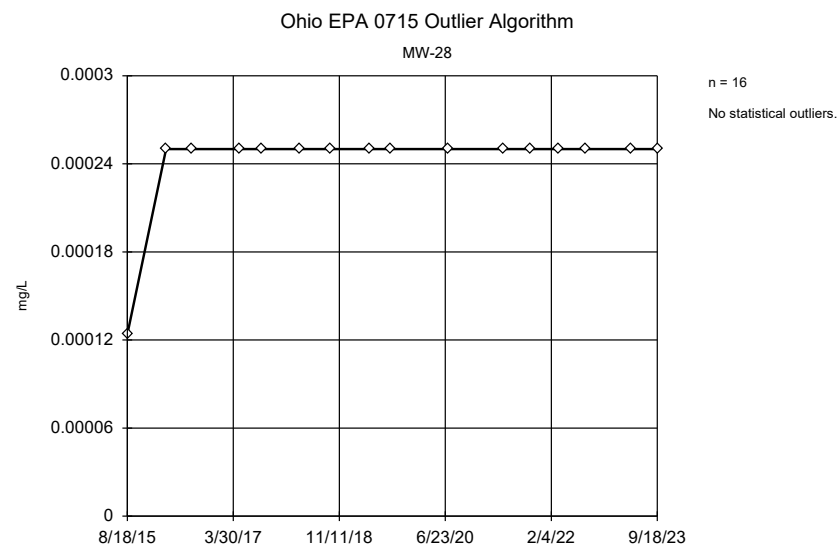
Ohio EPA 0715 Outlier Algorithm



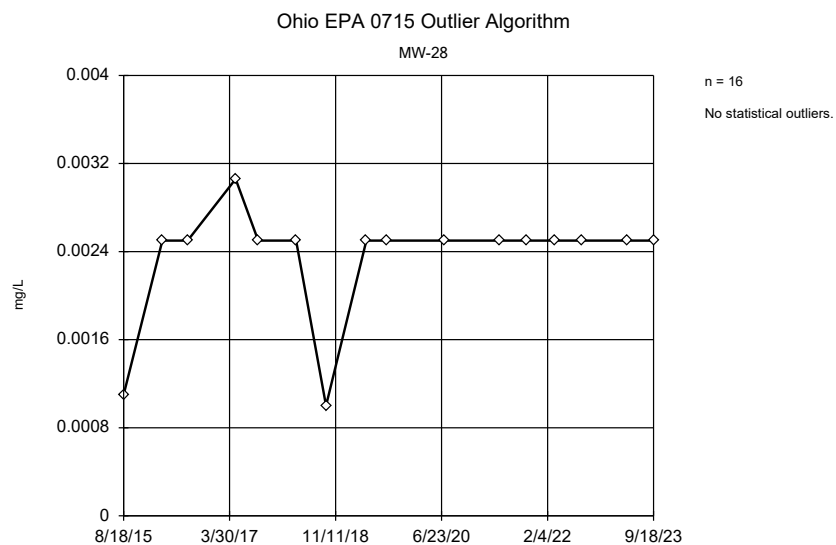
Constituent: Cobalt Analysis Run 1/26/2026 8:04 AM View: 2025 AWQR MW-28 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



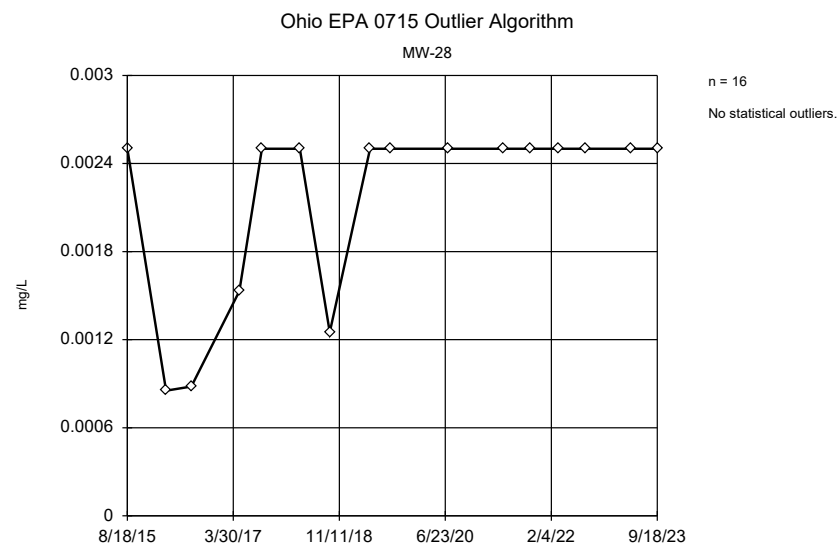
Constituent: Copper Analysis Run 1/26/2026 8:04 AM View: 2025 AWQR MW-28 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



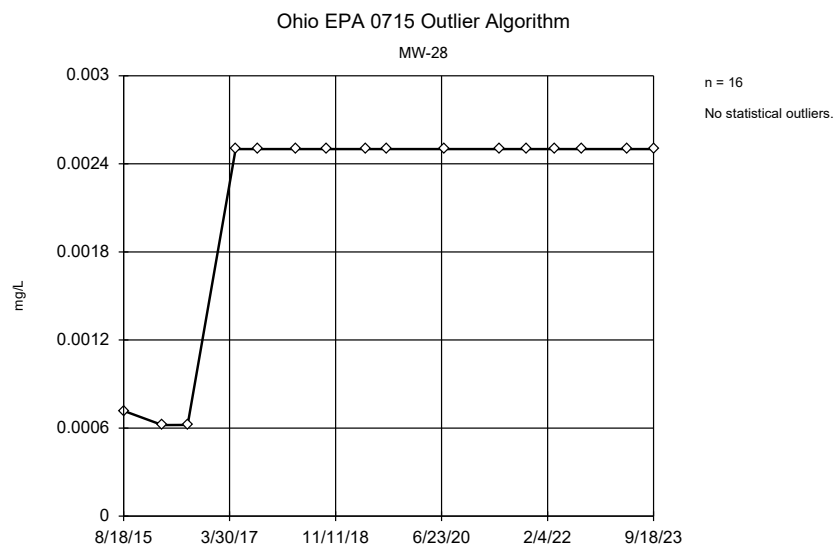
Constituent: Lead Analysis Run 1/26/2026 8:04 AM View: 2025 AWQR MW-28 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Nickel Analysis Run 1/26/2026 8:04 AM View: 2025 AWQR MW-28 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Selenium Analysis Run 1/26/2026 8:04 AM View: 2025 AWQR MW-28 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



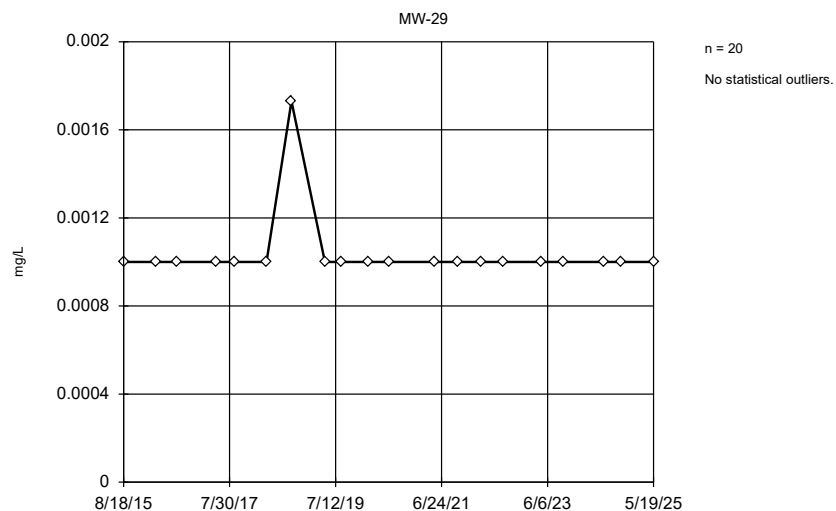
Constituent: Vanadium Analysis Run 1/26/2026 8:04 AM View: 2025 AWQR MW-28 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Outlier Analysis

Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 1/23/2026, 12:47 PM

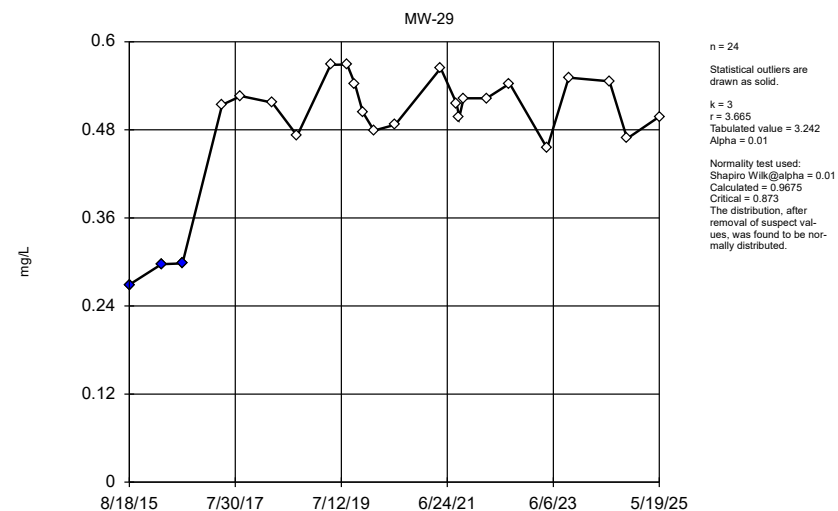
<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Arsenic (mg/L)	MW-29	No	n/a	n/a	OH	NaN	20	0.001037	0.0001632	n/a	n/a
Barium (mg/L)	MW-29	Yes	0.269,0.297,0.298	8/18/2015,3/21/2016,8/9/2016	Rosner/OH	0.01	24	0.4886	0.08372	normal	ShapiroWilk
Cadmium (mg/L)	MW-29	Yes	0.000855,0.000612	7/9/2020,6/18/2024	OH	NaN	21	0.0002008	0.0001995	n/a	n/a
Chromium (mg/L)	MW-29	No	n/a	n/a	OH	NaN	20	0.002491	0.00004025	n/a	n/a
Cobalt (mg/L)	MW-29	No	n/a	n/a	NP (nrm)/OH	NaN	23	0.0003107	0.00023	unknown	ShapiroWilk
Copper (mg/L)	MW-29	No	n/a	n/a	OH	NaN	20	0.002352	0.0004541	n/a	n/a
Lead (mg/L)	MW-29	No	n/a	n/a	OH	NaN	21	0.0002944	0.0001491	n/a	n/a
Nickel (mg/L)	MW-29	No	n/a	n/a	OH	NaN	20	0.002392	0.0002989	n/a	n/a
Selenium (mg/L)	MW-29	No	n/a	n/a	OH	NaN	20	0.002613	0.0006154	n/a	n/a
Silver (mg/L)	MW-29	No	n/a	n/a	OH	NaN	20	0.0004781	0.00006822	n/a	n/a
Vanadium (mg/L)	MW-29	No	n/a	n/a	OH	NaN	20	0.00225	0.0006288	n/a	n/a

Ohio EPA 0715 Outlier Algorithm



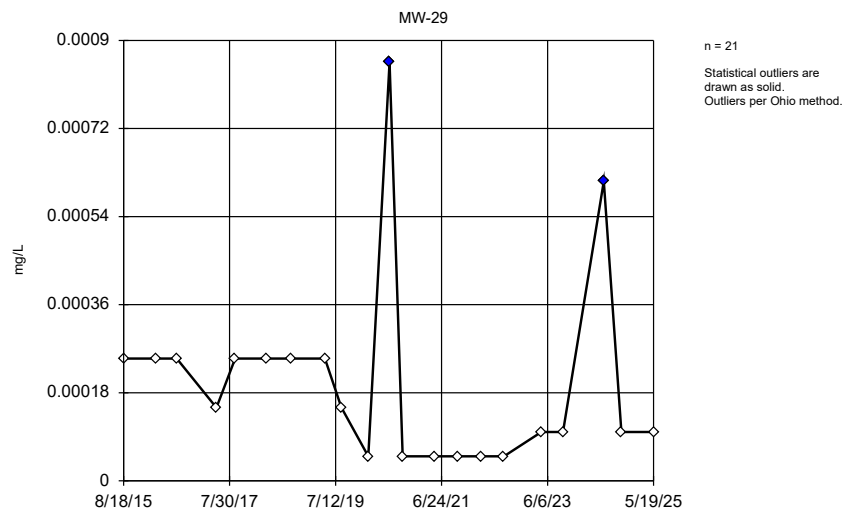
Constituent: Arsenic Analysis Run 1/23/2026 12:42 PM View: 2025 AWQR MW-29 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Rosner's Outlier Test / Ohio EPA 0715 Outlier Algorithm



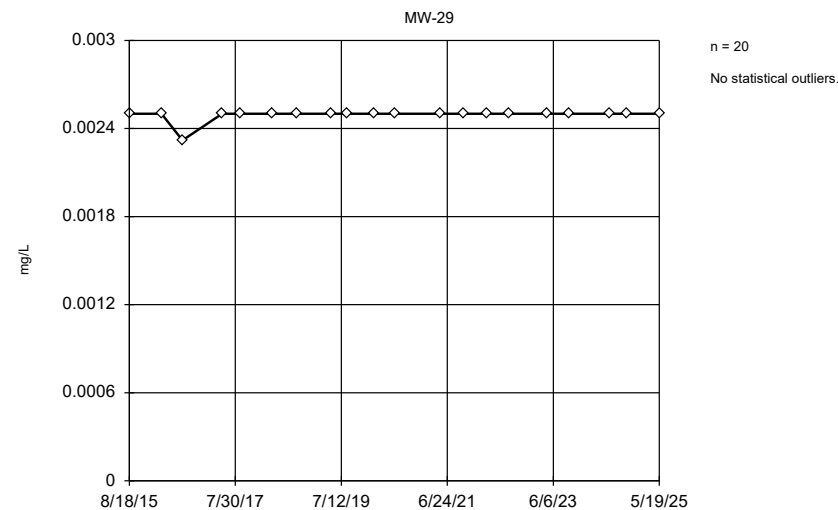
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Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm



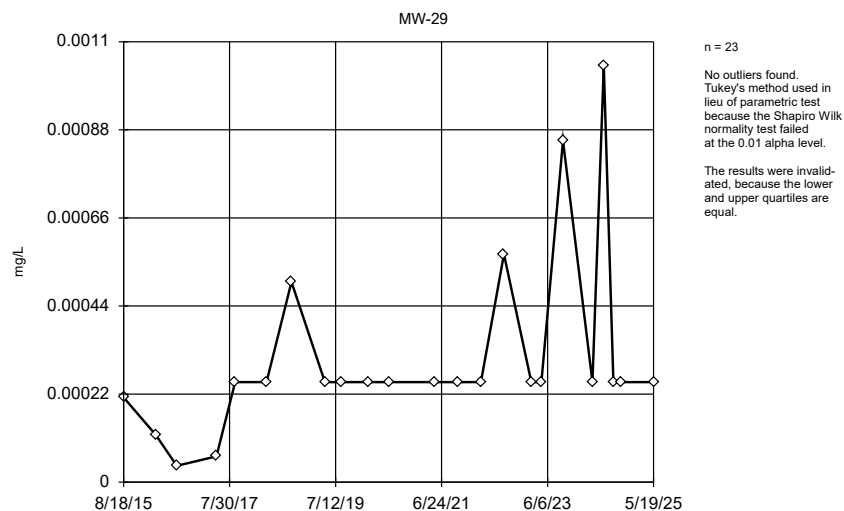
Constituent: Cadmium Analysis Run 1/23/2026 12:42 PM View: 2025 AWQR MW-29 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm



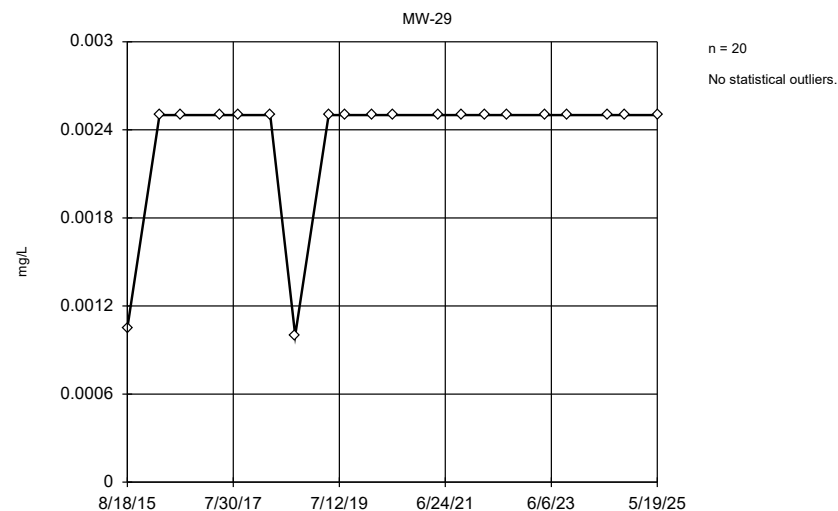
Constituent: Chromium Analysis Run 1/23/2026 12:42 PM View: 2025 AWQR MW-29 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



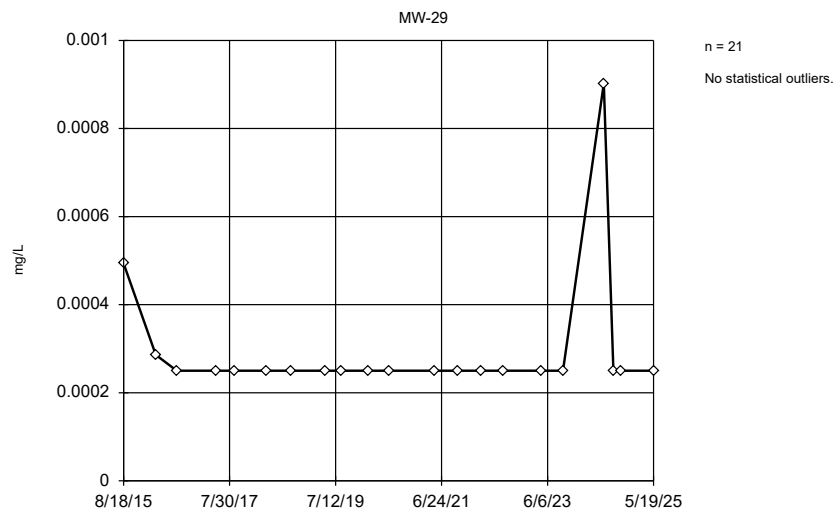
Constituent: Cobalt Analysis Run 1/23/2026 12:42 PM View: 2025 AWQR MW-29 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm



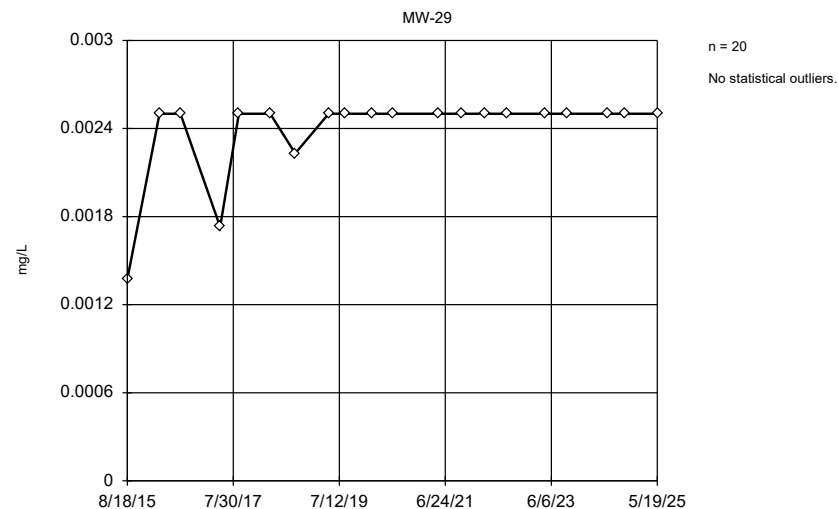
Constituent: Copper Analysis Run 1/23/2026 12:42 PM View: 2025 AWQR MW-29 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm

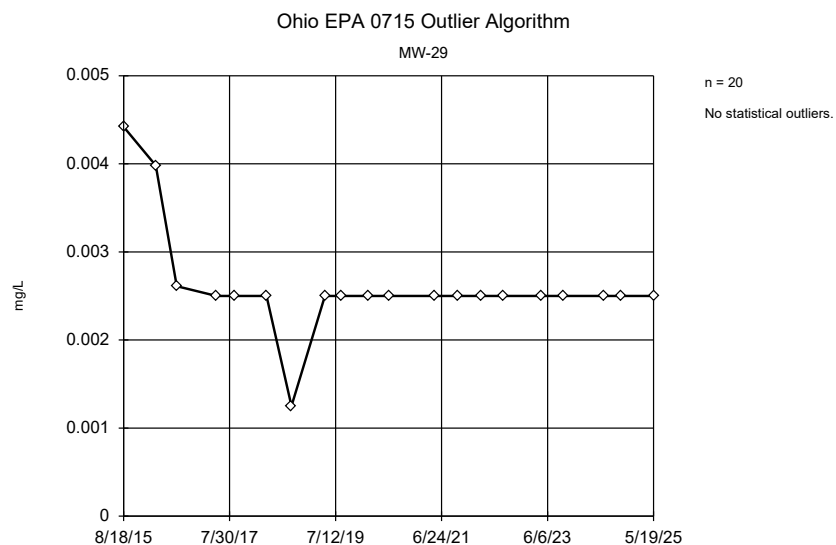


Constituent: Lead Analysis Run 1/23/2026 12:42 PM View: 2025 AWQR MW-29 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

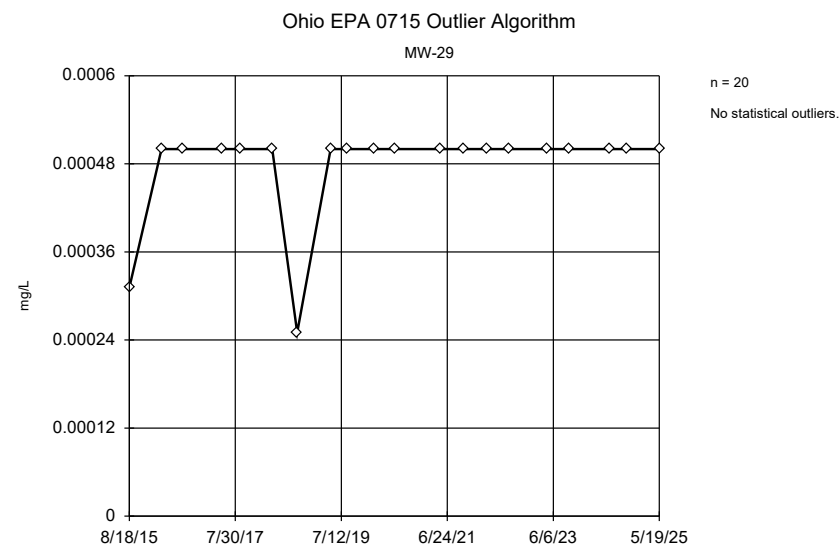
Ohio EPA 0715 Outlier Algorithm



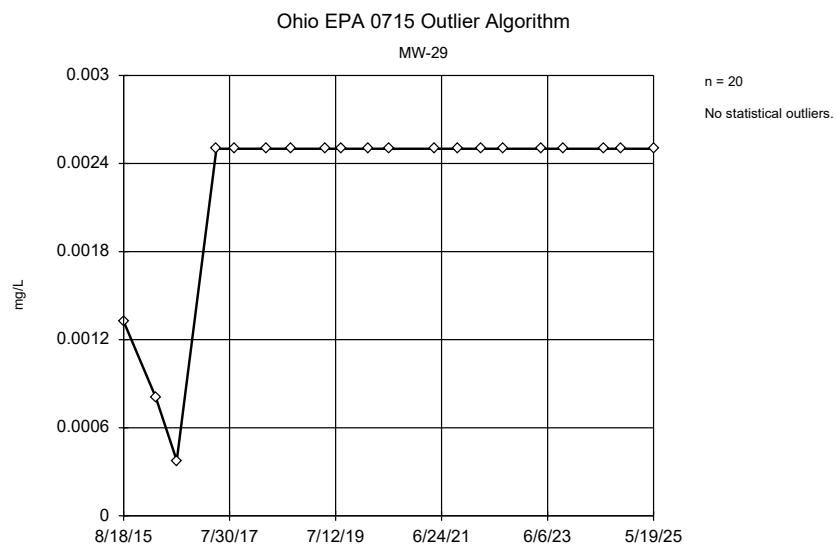
Constituent: Nickel Analysis Run 1/23/2026 12:42 PM View: 2025 AWQR MW-29 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Selenium Analysis Run 1/23/2026 12:42 PM View: 2025 AWQR MW-29 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Silver Analysis Run 1/23/2026 12:42 PM View: 2025 AWQR MW-29 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

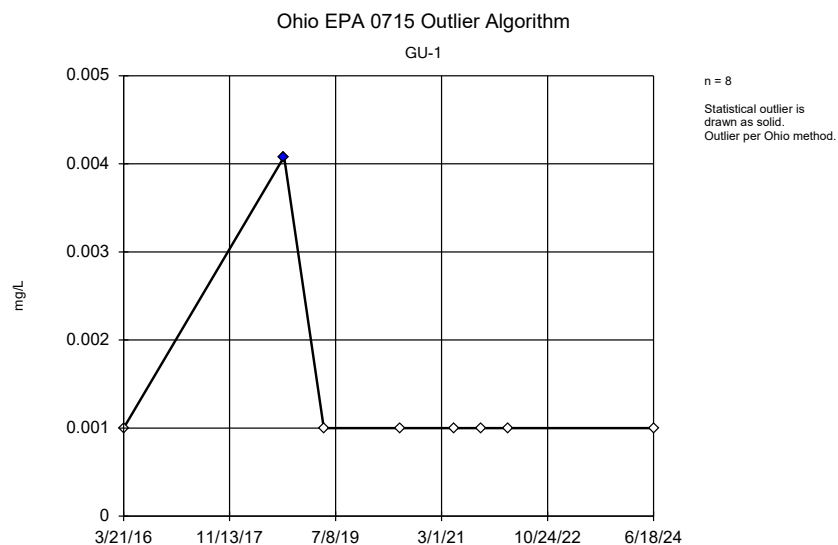


Constituent: Vanadium Analysis Run 1/23/2026 12:42 PM View: 2025 AWQR MW-29 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

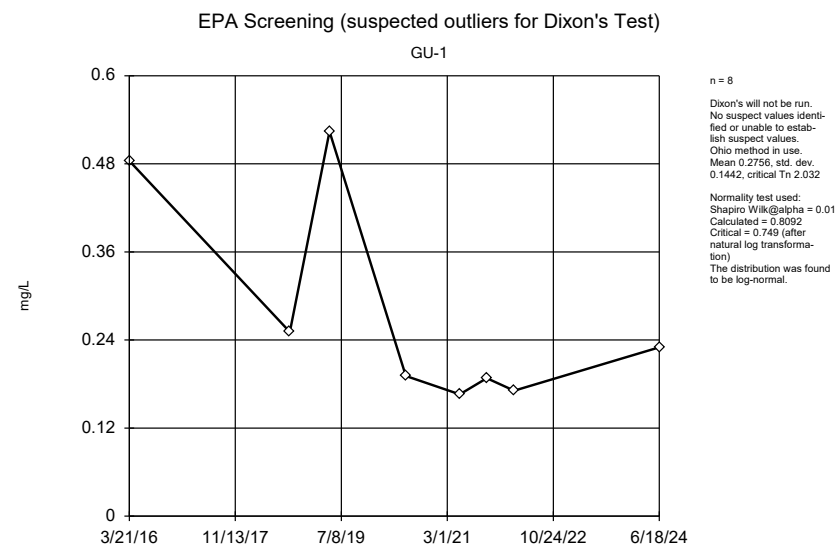
Outlier Analysis

Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 1/23/2026, 3:56 PM

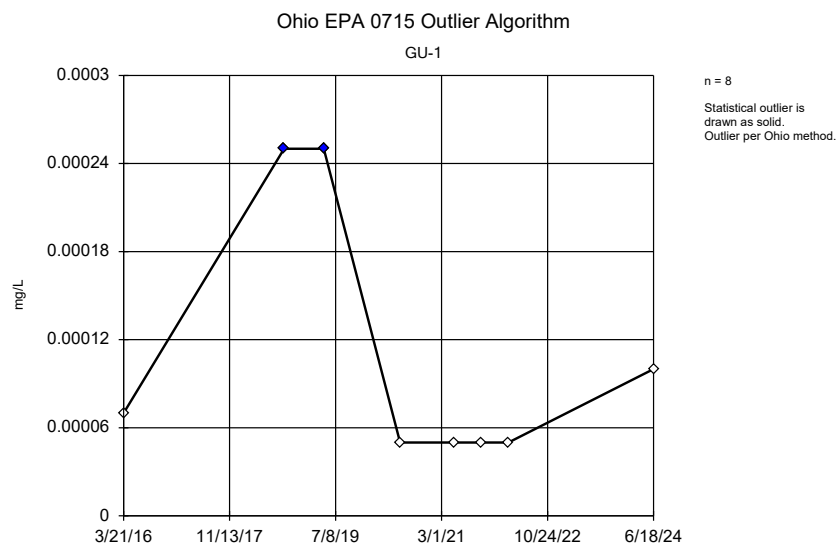
<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Arsenic (mg/L)	GU-1	Yes	0.00408	9/19/2018	OH	NaN	8	0.001385	0.001089	n/a	n/a
Barium (mg/L)	GU-1	No	n/a	n/a	EPA/OH	0.05	8	0.2756	0.1442	ln(x)	ShapiroWilk
Cadmium (mg/L)	GU-1	Yes	0.00025,0.00025	9/19/2018,5/2/2019	OH	NaN	8	0.0001088	0.00008887	n/a	n/a
Chromium (mg/L)	GU-1	Yes	0.00535	9/19/2018	OH	NaN	8	0.002856	0.001008	n/a	n/a
Cobalt (mg/L)	GU-1	No	n/a	n/a	NP (nrm)/OH	NaN	8	0.0006426	0.000747	unknown	ShapiroWilk
Copper (mg/L)	GU-1	No	n/a	n/a	OH	NaN	8	0.002806	0.0008662	n/a	n/a
Lead (mg/L)	GU-1	Yes	0.00114	9/19/2018	OH	NaN	8	0.0003613	0.0003147	n/a	n/a
Nickel (mg/L)	GU-1	No	n/a	n/a	NP (nrm)/OH	NaN	8	0.003606	0.001922	unknown	ShapiroWilk
Vanadium (mg/L)	GU-1	No	n/a	n/a	OH	NaN	8	0.003189	0.002437	n/a	n/a



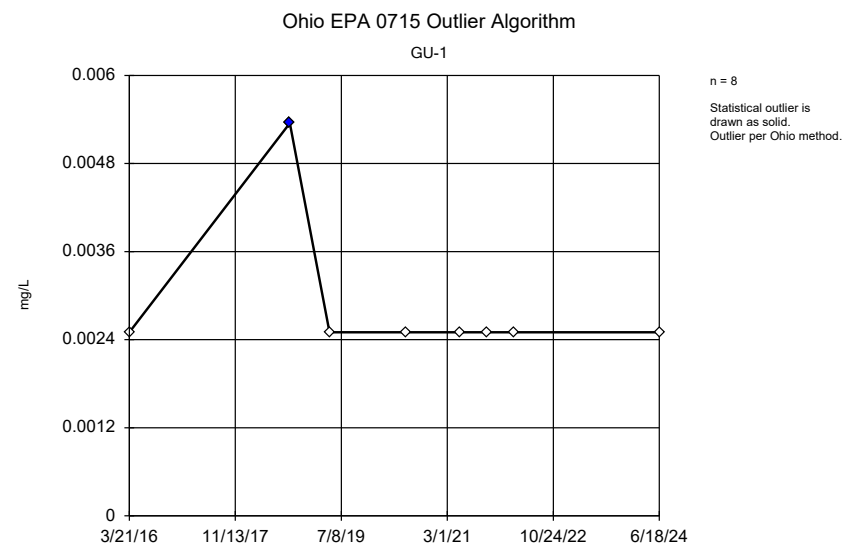
Constituent: Arsenic Analysis Run 1/23/2026 3:55 PM View: 2025 AWQR GU-1 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Barium Analysis Run 1/23/2026 3:55 PM View: 2025 AWQR GU-1 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

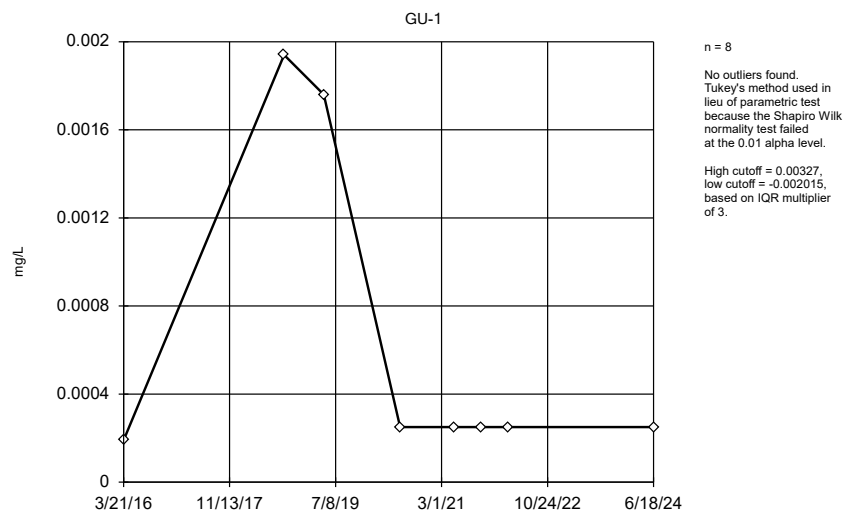


Constituent: Cadmium Analysis Run 1/23/2026 3:55 PM View: 2025 AWQR GU-1 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



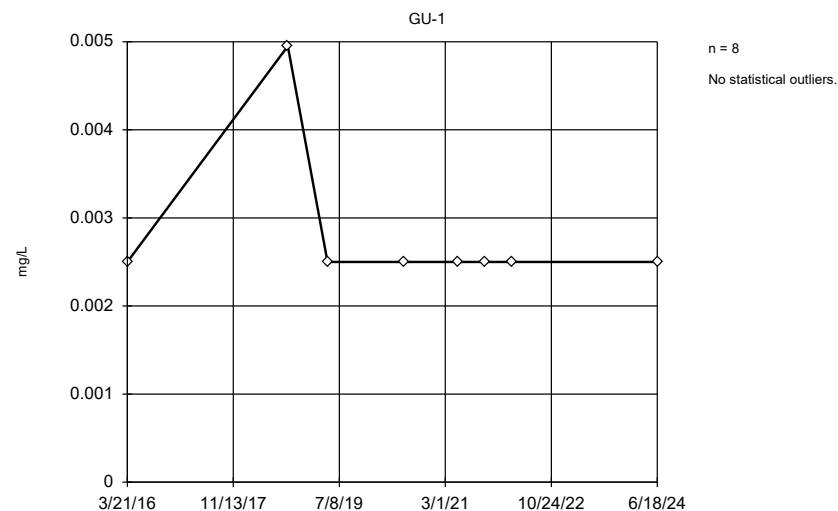
Constituent: Chromium Analysis Run 1/23/2026 3:55 PM View: 2025 AWQR GU-1 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



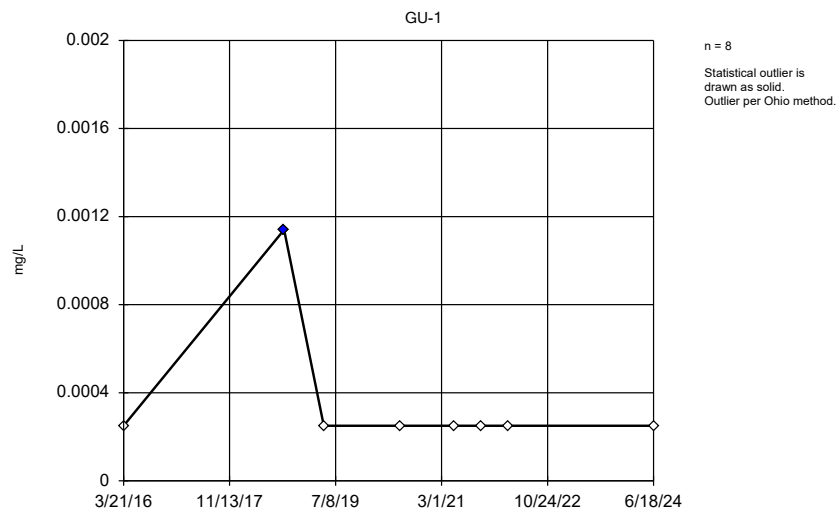
Constituent: Cobalt Analysis Run 1/23/2026 3:55 PM View: 2025 AWQR GU-1 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm



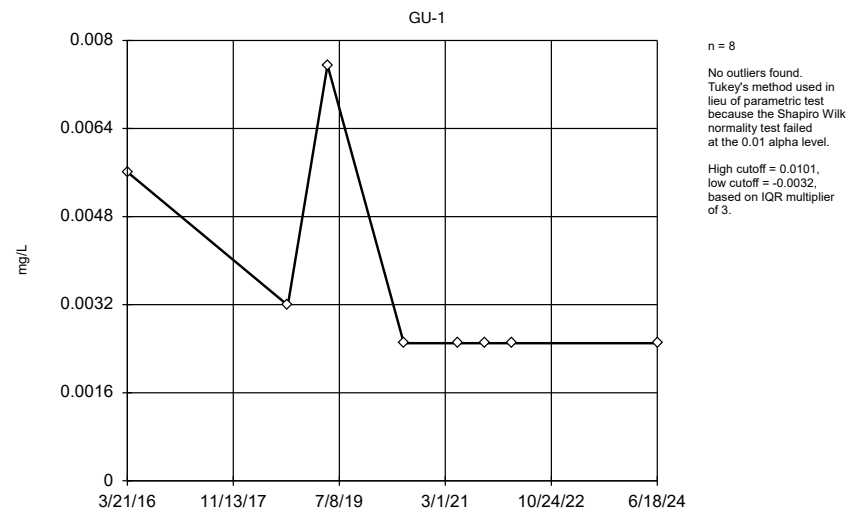
Constituent: Copper Analysis Run 1/23/2026 3:55 PM View: 2025 AWQR GU-1 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Ohio EPA 0715 Outlier Algorithm

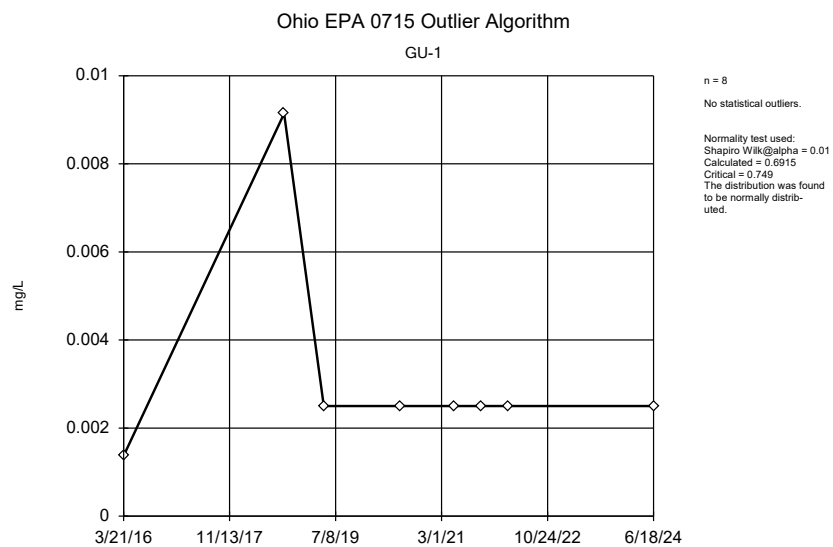


Constituent: Lead Analysis Run 1/23/2026 3:55 PM View: 2025 AWQR GU-1 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



Constituent: Nickel Analysis Run 1/23/2026 3:55 PM View: 2025 AWQR GU-1 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master



Constituent: Vanadium Analysis Run 1/23/2026 3:55 PM View: 2025 AWQR GU-1 Outliers
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

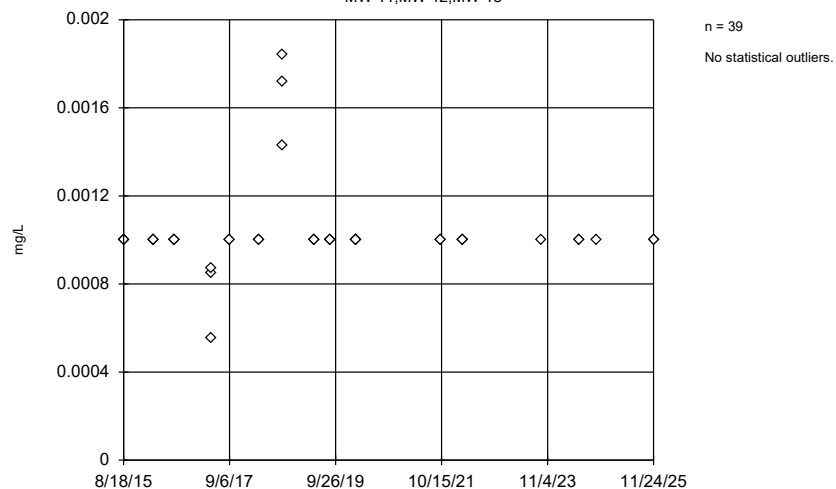
Outlier Analysis

Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master Printed 1/21/2026, 9:49 AM

<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Arsenic (mg/L)	MW-11,MW-12,MW-13	No	n/a	n/a w/combined bg	OH	NaN	39	0.001032	0.0002056	n/a	n/a
Barium (mg/L)	MW-11,MW-12,MW-13	Yes	0.385	n/a w/combined bg	Rosner/OH	0.01	39	0.219	0.0396	normal	ShapiroWilk
Cadmium (mg/L)	MW-11,MW-12,MW-13	No	n/a	n/a w/combined bg	OH	NaN	39	0.0001807	0.00008613	n/a	n/a
Cobalt (mg/L)	MW-11,MW-12,MW-13	Yes	0.00166	n/a w/combined bg	OH	NaN	39	0.0003025	0.0002553	n/a	n/a
Copper (mg/L)	MW-11,MW-12,MW-13	No	n/a	n/a w/combined bg	OH	NaN	39	0.002252	0.0005436	n/a	n/a
Lead (mg/L)	MW-11,MW-12,MW-13	Yes	0.00267,0.00122	n/a w/combined bg	OH	NaN	39	0.0003407	0.0004204	n/a	n/a
Nickel (mg/L)	MW-11,MW-12,MW-13	No	n/a	n/a w/combined bg	OH	NaN	39	0.002275	0.0005744	n/a	n/a
Selenium (mg/L)	MW-11,MW-12,MW-13	No	n/a	n/a w/combined bg	OH	NaN	39	0.002381	0.0005791	n/a	n/a
Zinc (mg/L)	MW-11,MW-12,MW-13	Yes	0.0698	n/a w/combined bg	OH	NaN	39	0.01109	0.01026	n/a	n/a

Ohio EPA 0715 Outlier Algorithm, Pooled Background

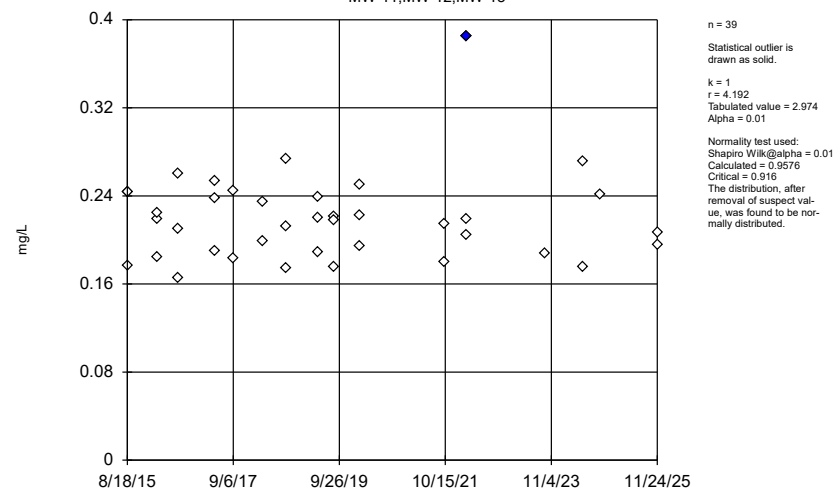
MW-11,MW-12,MW-13



Constituent: Arsenic Analysis Run 1/21/2026 9:45 AM View: 2025_AWQR-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Rosner's Outlier Test / Ohio EPA 0715 Outlier Algorithm, Pooled Background

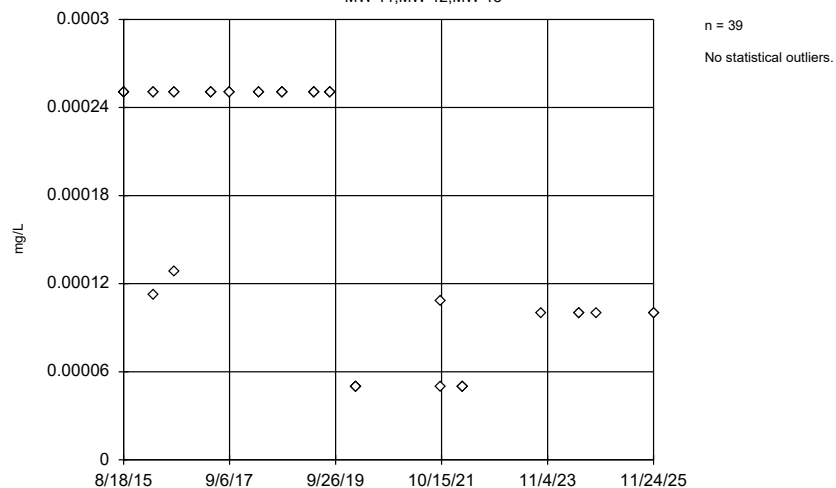
MW-11,MW-12,MW-13



Constituent: Barium Analysis Run 1/21/2026 9:45 AM View: 2025_AWQR-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background

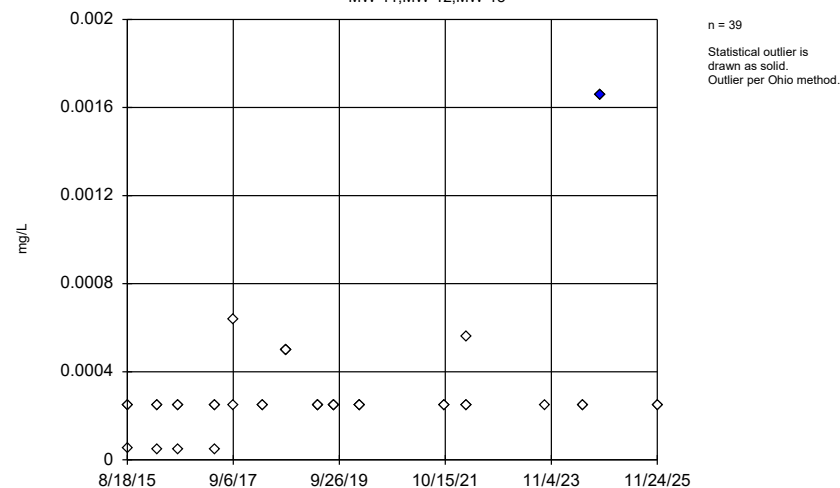
MW-11,MW-12,MW-13



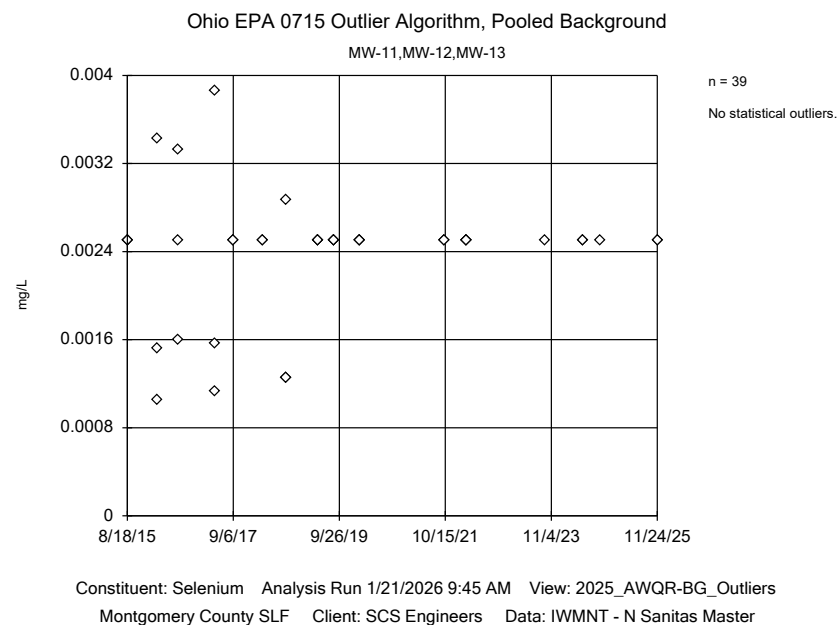
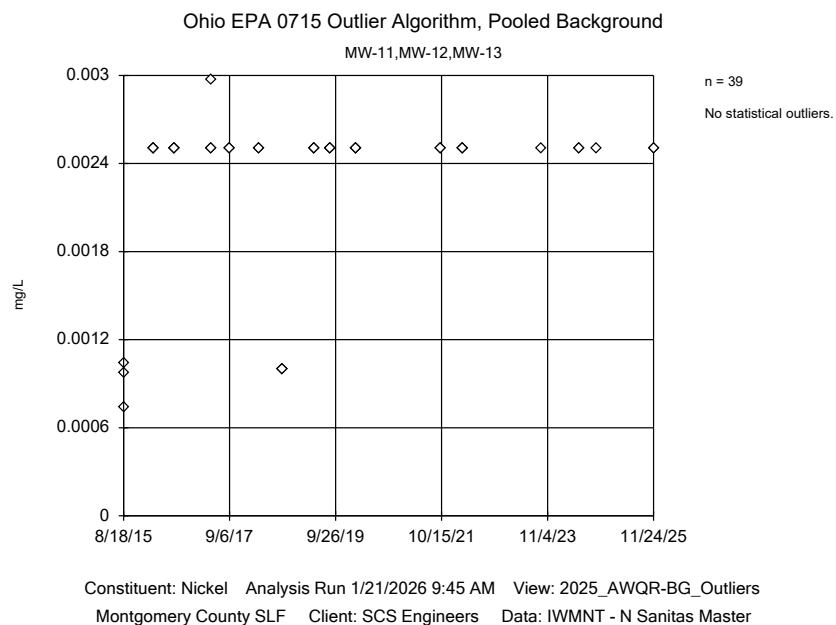
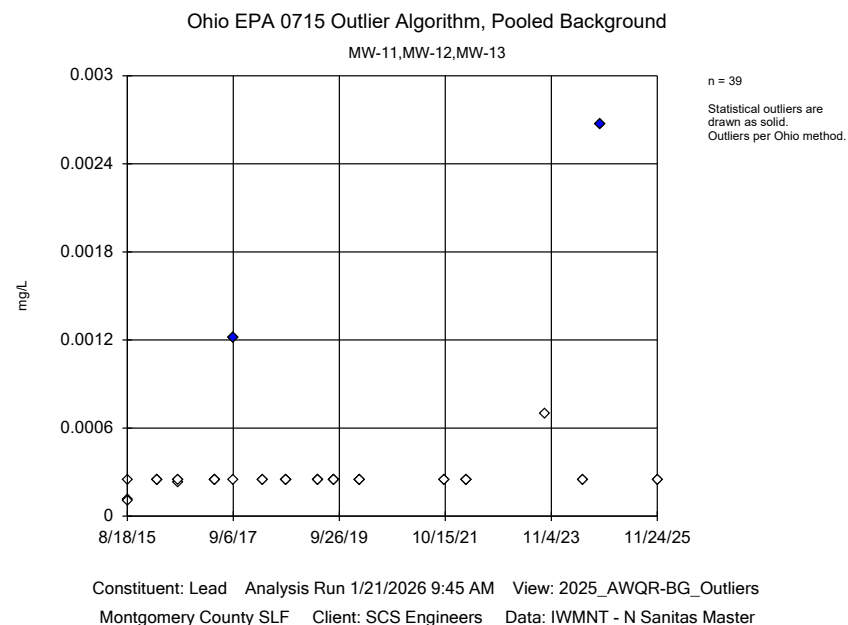
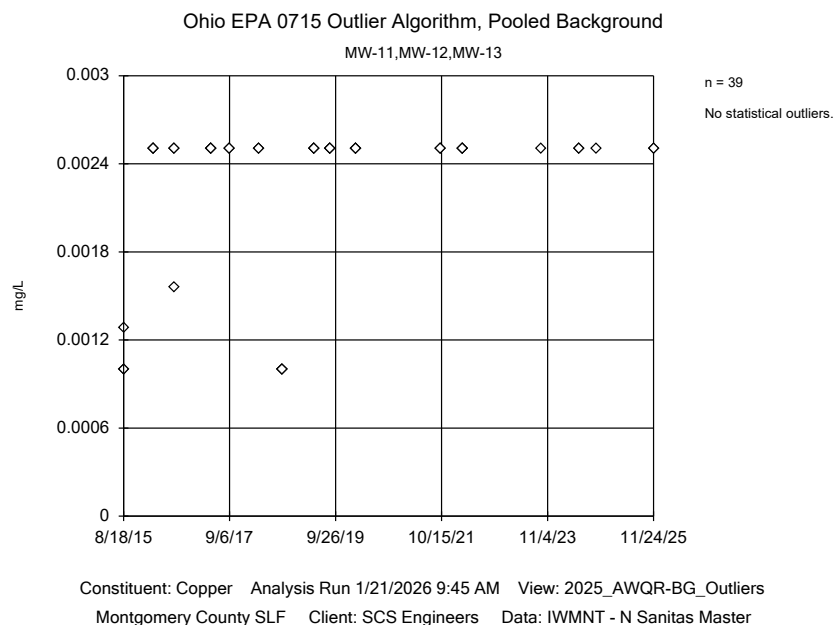
Constituent: Cadmium Analysis Run 1/21/2026 9:45 AM View: 2025_AWQR-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-11,MW-12,MW-13

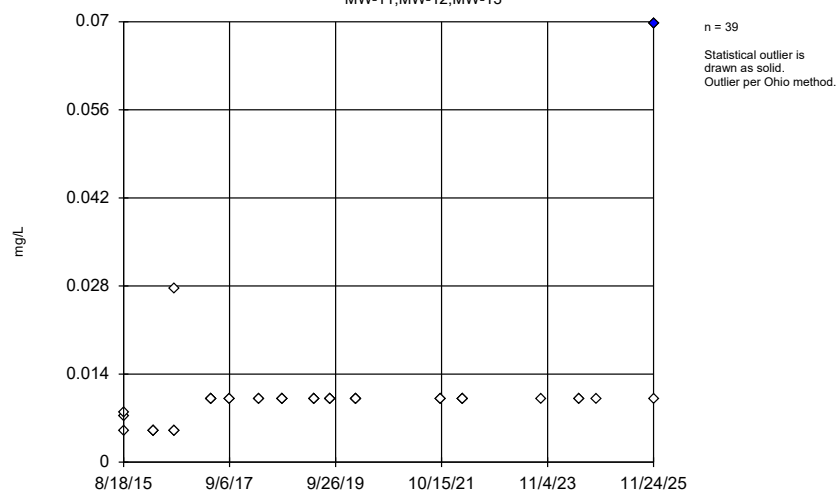


Constituent: Cobalt Analysis Run 1/21/2026 9:45 AM View: 2025_AWQR-BG_Outliers
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master



Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-11,MW-12,MW-13



Constituent: Zinc Analysis Run 1/21/2026 9:45 AM View: 2025_AWQR-BG_Outliers

Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master



Interwell Prediction Limits Table and Graphs

Prediction Limit

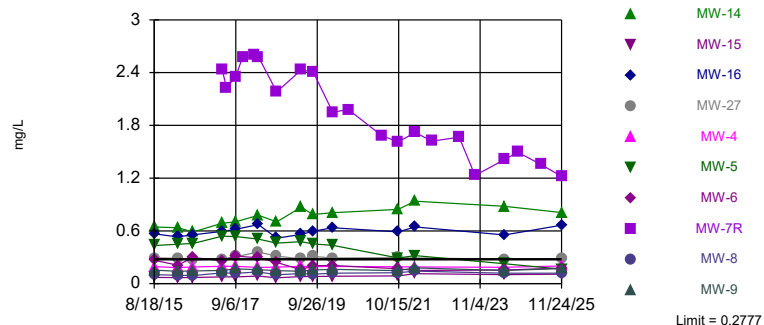
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master Printed 1/21/2026, 10:11 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Wells</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	MW-14	0.2777	n/a	11/24/2025	0.808	Yes	39	MW-11,MW-12,MW-13	0	ln(x)	0.000532	Param Inter 1 of 3
Barium (mg/L)	MW-15	0.2777	n/a	11/24/2025	0.107	No	39	MW-11,MW-12,MW-13	0	ln(x)	0.000532	Param Inter 1 of 3
Barium (mg/L)	MW-16	0.2777	n/a	11/24/2025	0.665	Yes	39	MW-11,MW-12,MW-13	0	ln(x)	0.000532	Param Inter 1 of 3
Barium (mg/L)	MW-27	0.2777	n/a	11/24/2025	0.28	Yes	39	MW-11,MW-12,MW-13	0	ln(x)	0.000532	Param Inter 1 of 3
Barium (mg/L)	MW-4	0.2777	n/a	11/24/2025	0.2	No	39	MW-11,MW-12,MW-13	0	ln(x)	0.000532	Param Inter 1 of 3
Barium (mg/L)	MW-5	0.2777	n/a	11/24/2025	0.164	No	39	MW-11,MW-12,MW-13	0	ln(x)	0.000532	Param Inter 1 of 3
Barium (mg/L)	MW-6	0.2777	n/a	11/24/2025	0.177	No	39	MW-11,MW-12,MW-13	0	ln(x)	0.000532	Param Inter 1 of 3
Barium (mg/L)	MW-7R	0.2777	n/a	11/24/2025	1.22	Yes	39	MW-11,MW-12,MW-13	0	ln(x)	0.000532	Param Inter 1 of 3
Barium (mg/L)	MW-8	0.2777	n/a	11/24/2025	0.119	No	39	MW-11,MW-12,MW-13	0	ln(x)	0.000532	Param Inter 1 of 3
Barium (mg/L)	MW-9	0.2777	n/a	11/24/2025	0.171	No	39	MW-11,MW-12,MW-13	0	ln(x)	0.000532	Param Inter 1 of 3
Cadmium (mg/L)	MW-5	0.00025	n/a	11/24/2025	0.000205	No	39	MW-11,MW-13,MW-12	92.31	n/a	0.00008728	NP Inter (NDs) 1 of 3
Cobalt (mg/L)	MW-15	0.00166	n/a	11/24/2025	0.000583	No	39	MW-12,MW-13,MW-11	82.05	n/a	0.00008728	NP Inter (NDs) 1 of 3
Cobalt (mg/L)	MW-7R	0.00166	n/a	11/24/2025	0.00106	No	39	MW-12,MW-13,MW-11	82.05	n/a	0.00008728	NP Inter (NDs) 1 of 3
Cobalt (mg/L)	MW-8	0.00166	n/a	11/24/2025	0.00121	No	39	MW-12,MW-13,MW-11	82.05	n/a	0.00008728	NP Inter (NDs) 1 of 3
Nickel (mg/L)	MW-16	0.00297	n/a	11/24/2025	0.00616	Yes	39	MW-11,MW-12,MW-13	89.74	n/a	0.00008728	NP Inter (NDs) 1 of 3
Nickel (mg/L)	MW-5	0.00297	n/a	11/24/2025	0.00748	Yes	39	MW-11,MW-12,MW-13	89.74	n/a	0.00008728	NP Inter (NDs) 1 of 3
Nickel (mg/L)	MW-7R	0.00297	n/a	11/24/2025	0.118	Yes	39	MW-11,MW-12,MW-13	89.74	n/a	0.00008728	NP Inter (NDs) 1 of 3

Exceeds Limit: MW-14, MW-16, MW-27,
MW-7R

Prediction Limit

Interwell Parametric



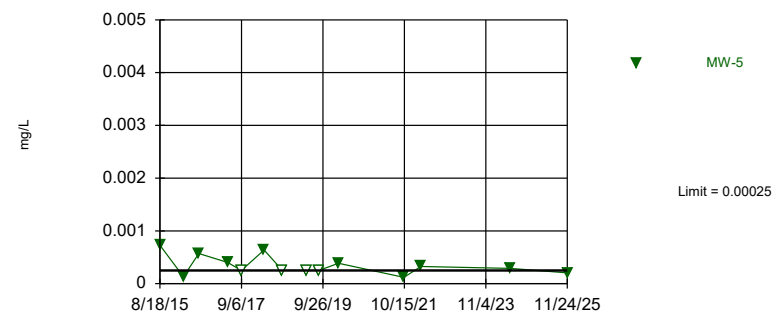
Background Data Summary (based on natural log transformation): Mean=-1.533, Std. Dev.=0.1641, n=39. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9363, critical = 0.917. Kappa = 1.532 (c=9, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.005836. Individual comparison alpha = 0.000532. Comparing 10 points to limit. Assumes 1 future value.

Constituent: Barium Analysis Run 1/21/2026 10:08 AM View: 2025_AWQR_Interwell_PL
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Within Limit

Prediction Limit

Interwell Non-parametric



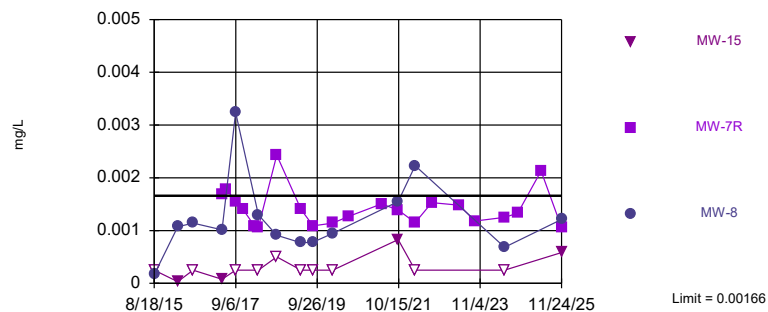
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 92.31% NDs. Annual per-constituent alpha = 0.001918. Individual comparison alpha = 0.00008728 (1 of 3). Assumes 10 future values.

Constituent: Cadmium Analysis Run 1/21/2026 10:08 AM View: 2025_AWQR_Interwell_PL
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Within Limit

Prediction Limit

Interwell Non-parametric



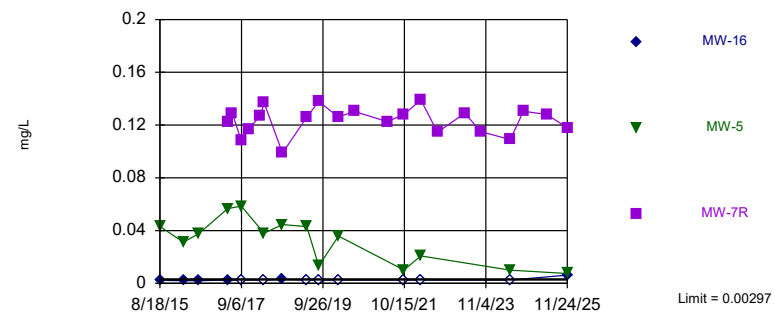
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 82.05% NDs. Annual per-constituent alpha = 0.001918. Individual comparison alpha = 0.00008728 (1 of 3). Comparing 3 points to limit. Assumes 8 future values.

Constituent: Cobalt Analysis Run 1/21/2026 10:08 AM View: 2025_AWQR_Interwell_PL
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Exceeds Limit: MW-16, MW-5, MW-7R

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 89.74% NDs. Annual per-constituent alpha = 0.001918. Individual comparison alpha = 0.00008728 (1 of 3). Comparing 3 points to limit. Assumes 8 future values.

Constituent: Nickel Analysis Run 1/21/2026 10:08 AM View: 2025_AWQR_Interwell_PL
Montgomery County SLF Client: SCS Engineers Data: IWMNT - N Sanitas Master

Intrawell Prediction Limits Table and Graphs

Prediction Limit

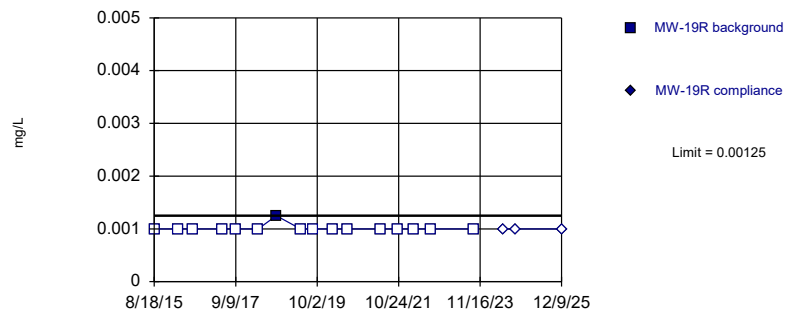
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 1/23/2026, 2:20 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Wells</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	MW-19R	0.00125	n/a	12/9/2025	0.001ND	No	16	n/a	93.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Barium (mg/L)	MW-19R	0.2801	n/a	12/9/2025	0.252	No	9	n/a	0	No	0.0009751	Param Intra 1 of 3
Cadmium (mg/L)	MW-19R	0.00025	n/a	12/9/2025	0.0001ND	No	16	n/a	75	n/a	0.001026	NP Intra (NDs) 1 of 3
Chromium (mg/L)	MW-19R	0.0025	n/a	12/9/2025	0.0025ND	No	16	n/a	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	MW-19R	0.0005	n/a	12/9/2025	0.00025ND	No	16	n/a	81.25	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	MW-19R	0.000721	n/a	12/9/2025	0.0007725	Yes	17	n/a	82.35	n/a	0.0009102	NP Intra (NDs) 1 of 3
Nickel (mg/L)	MW-19R	0.0025	n/a	12/9/2025	0.0025ND	No	16	n/a	93.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Silver (mg/L)	MW-19R	0.0005	n/a	12/9/2025	0.0005ND	No	16	n/a	93.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	MW-19R	0.0025	n/a	12/9/2025	0.0025ND	No	16	n/a	75	n/a	0.001026	NP Intra (NDs) 1 of 3

Within Limit

Prediction Limit

Intrawell Non-parametric



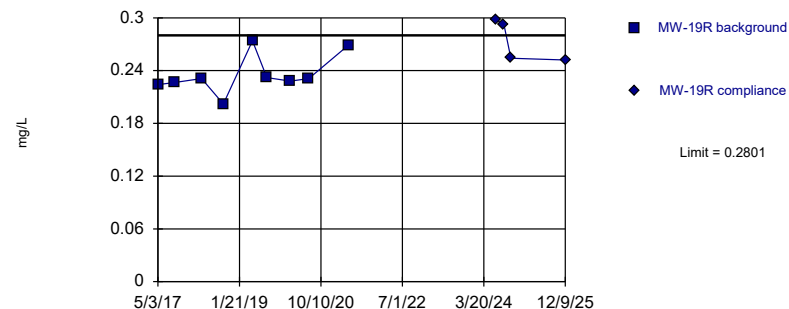
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 1/23/2026 2:14 PM View: 2025 AWQR MW-19R Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Parametric



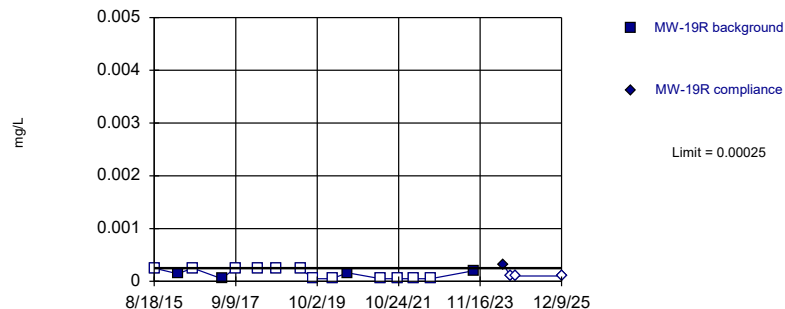
Background Data Summary: Mean=0.2353, Std. Dev.=0.0225, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8413, critical = 0.764. Kappa = 1.991 (c=9, w=6, 1 of 3, event alpha = 0.05132). Report alpha = 0.0009751.

Constituent: Barium Analysis Run 1/23/2026 2:14 PM View: 2025 AWQR MW-19R Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



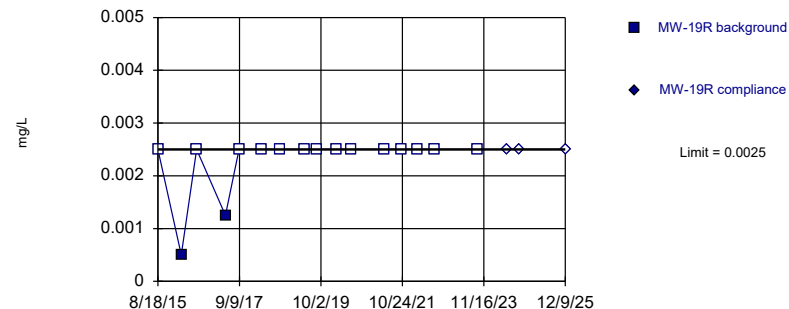
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 1/23/2026 2:14 PM View: 2025 AWQR MW-19R Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



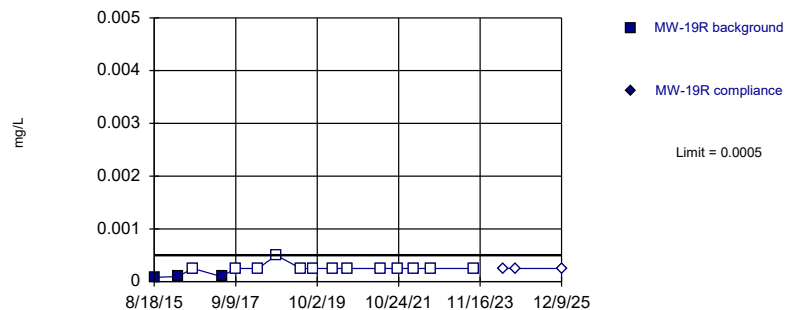
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Chromium Analysis Run 1/23/2026 2:14 PM View: 2025 AWQR MW-19R Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



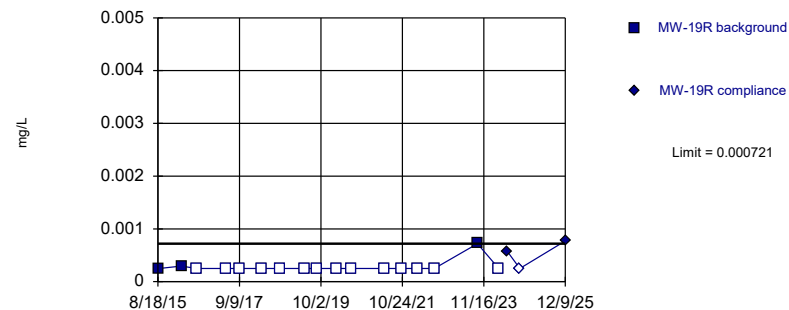
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cobalt Analysis Run 1/23/2026 2:14 PM View: 2025 AWQR MW-19R Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



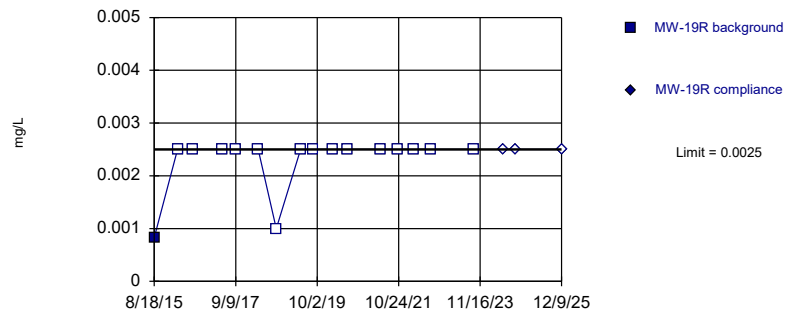
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.00182. Individual comparison alpha = 0.0009102 (1 of 3).

Constituent: Lead Analysis Run 1/23/2026 2:14 PM View: 2025 AWQR MW-19R Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



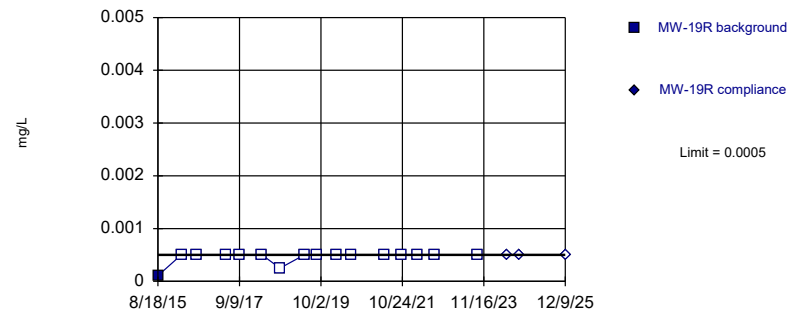
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Nickel Analysis Run 1/23/2026 2:14 PM View: 2025 AWQR MW-19R Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



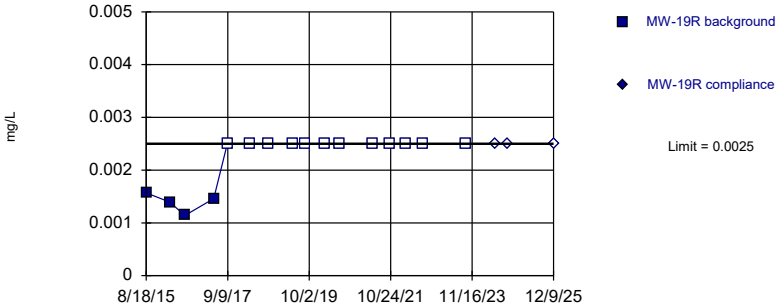
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Silver Analysis Run 1/23/2026 2:14 PM View: 2025 AWQR MW-19R Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit

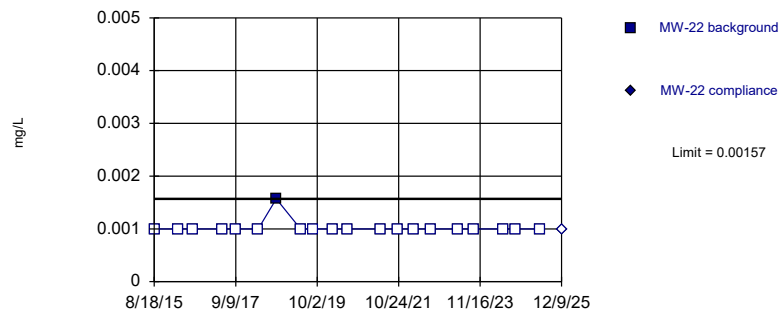
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 1/23/2026, 3:00 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Wells</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	MW-22	0.00157	n/a	12/9/2025	0.001ND	No	20	n/a	95	n/a	0.0005627	NP Intra (NDs) 1 of 3
Barium (mg/L)	MW-22	0.3078	n/a	12/9/2025	0.23	No	20	n/a	0	No	0.0008776	Param Intra 1 of 3
Cadmium (mg/L)	MW-22	0.000324	n/a	12/9/2025	0.0001ND	No	20	n/a	75	n/a	0.0005627	NP Intra (NDs) 1 of 3
Chromium (mg/L)	MW-22	0.0025	n/a	12/9/2025	0.0025ND	No	20	n/a	80	n/a	0.0005627	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	MW-22	0.0005	n/a	12/9/2025	0.00025ND	No	20	n/a	95	n/a	0.0005627	NP Intra (NDs) 1 of 3
Copper (mg/L)	MW-22	0.0025	n/a	12/9/2025	0.0025ND	No	20	n/a	90	n/a	0.0005627	NP Intra (NDs) 1 of 3
Lead (mg/L)	MW-22	0.00025	n/a	12/9/2025	0.00025ND	No	20	n/a	95	n/a	0.0005627	NP Intra (NDs) 1 of 3
Selenium (mg/L)	MW-22	0.0025	n/a	12/9/2025	0.0025ND	No	20	n/a	95	n/a	0.0005627	NP Intra (NDs) 1 of 3
Silver (mg/L)	MW-22	0.0005	n/a	12/9/2025	0.0005ND	No	20	n/a	90	n/a	0.0005627	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	MW-22	0.0025	n/a	12/9/2025	0.0025ND	No	20	n/a	80	n/a	0.0005627	NP Intra (NDs) 1 of 3

Within Limit

Prediction Limit

Intrawell Non-parametric



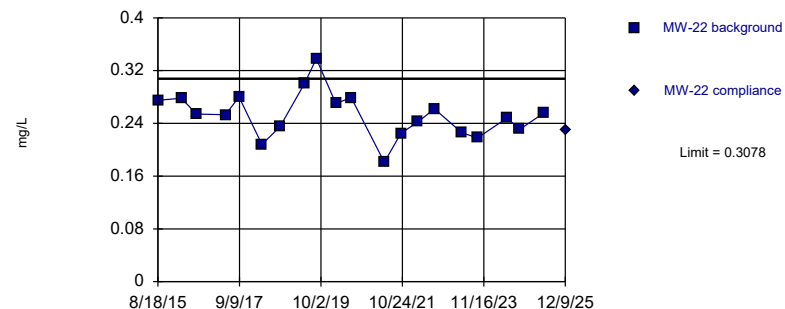
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.001125. Individual comparison alpha = 0.0005627 (1 of 3).

Constituent: Arsenic Analysis Run 1/23/2026 2:59 PM View: 2025 AWQR MW-22 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Parametric



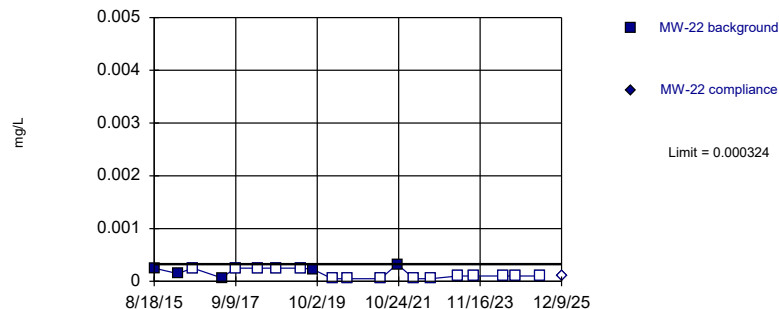
Background Data Summary: Mean=0.2529, Std. Dev.=0.03496, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.981, critical = 0.868. Kappa = 1.57 (c=10, w=6, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008776.

Constituent: Barium Analysis Run 1/23/2026 2:59 PM View: 2025 AWQR MW-22 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



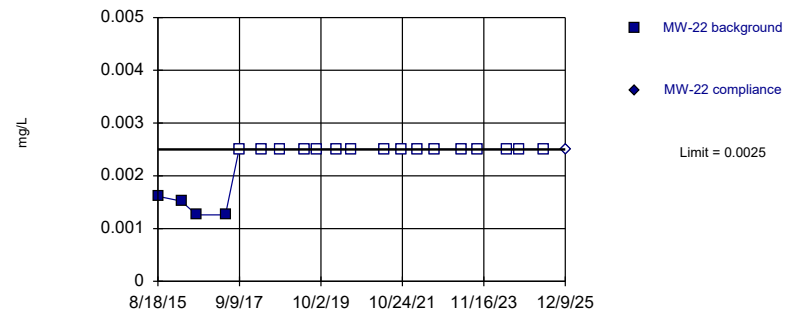
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.001125. Individual comparison alpha = 0.0005627 (1 of 3).

Constituent: Cadmium Analysis Run 1/23/2026 2:59 PM View: 2025 AWQR MW-22 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



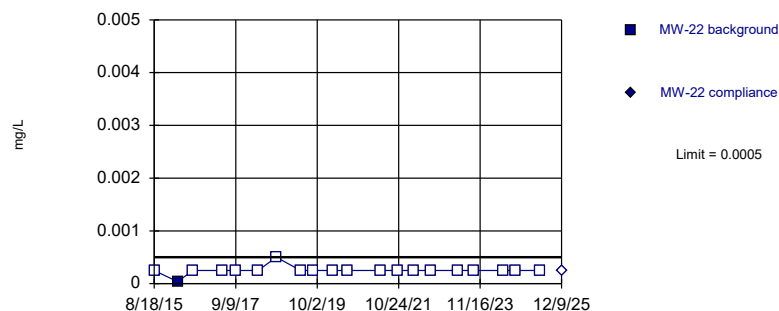
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.001125. Individual comparison alpha = 0.0005627 (1 of 3).

Constituent: Chromium Analysis Run 1/23/2026 2:59 PM View: 2025 AWQR MW-22 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



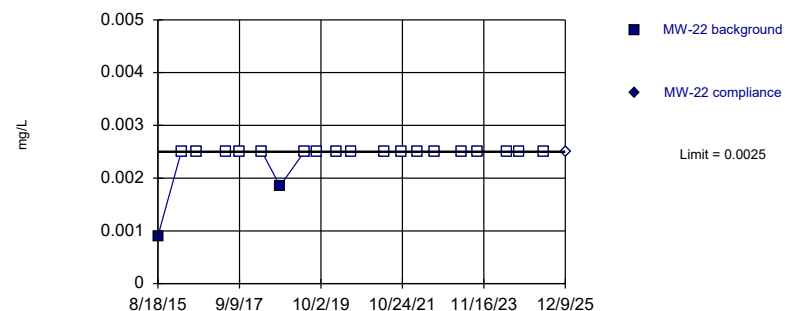
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.001125. Individual comparison alpha = 0.0005627 (1 of 3).

Constituent: Cobalt Analysis Run 1/23/2026 2:59 PM View: 2025 AWQR MW-22 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



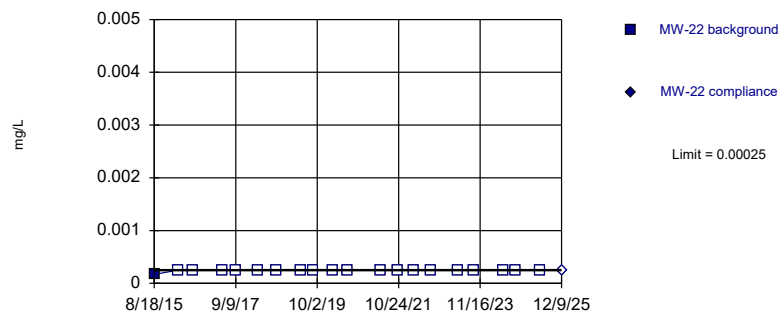
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.001125. Individual comparison alpha = 0.0005627 (1 of 3).

Constituent: Copper Analysis Run 1/23/2026 2:59 PM View: 2025 AWQR MW-22 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



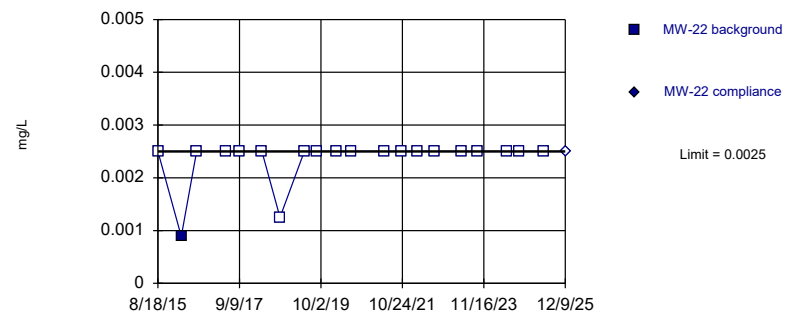
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.001125. Individual comparison alpha = 0.0005627 (1 of 3).

Constituent: Lead Analysis Run 1/23/2026 2:59 PM View: 2025 AWQR MW-22 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric

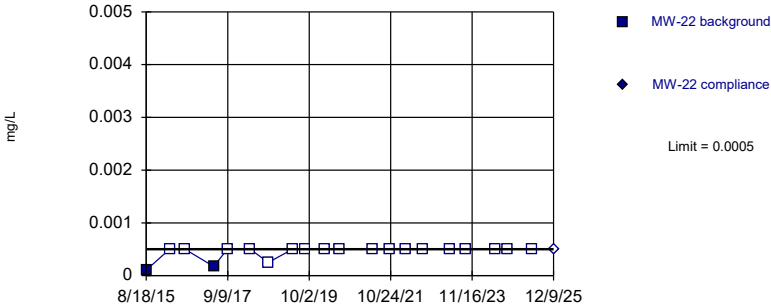


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.001125. Individual comparison alpha = 0.0005627 (1 of 3).

Constituent: Selenium Analysis Run 1/23/2026 2:59 PM View: 2025 AWQR MW-22 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit
Intrawell Non-parametric

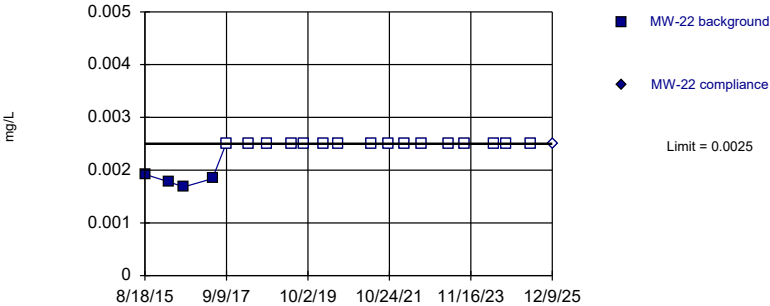


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.001125. Individual comparison alpha = 0.0005627 (1 of 3).

Constituent: Silver Analysis Run 1/23/2026 2:59 PM View: 2025 AWQR MW-22 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.001125. Individual comparison alpha = 0.0005627 (1 of 3).

Constituent: Vanadium Analysis Run 1/23/2026 2:59 PM View: 2025 AWQR MW-22 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Prediction Limit

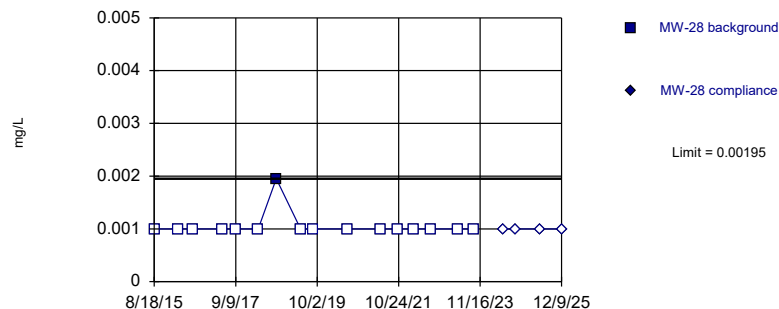
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 1/26/2026, 8:13 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Wells</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	MW-28	0.00195	n/a	12/9/2025	0.001ND	No	16	n/a	93.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Barium (mg/L)	MW-28	0.2481	n/a	12/9/2025	0.255	Yes	16	n/a	0	No	0.0009751	Param Intra 1 of 3
Cadmium (mg/L)	MW-28	0.000583	n/a	12/9/2025	0.0001ND	No	15	n/a	66.67	n/a	0.001313	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	MW-28	0.0005	n/a	12/9/2025	0.00025ND	No	16	n/a	75	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	MW-28	0.00319	n/a	12/9/2025	0.0025ND	No	16	n/a	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	MW-28	0.00025	n/a	12/9/2025	0.00025ND	No	16	n/a	93.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	MW-28	0.00306	n/a	12/9/2025	0.0025ND	No	16	n/a	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	MW-28	0.0025	n/a	12/9/2025	0.0025ND	No	16	n/a	81.25	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	MW-28	0.0025	n/a	12/9/2025	0.0025ND	No	16	n/a	81.25	n/a	0.001026	NP Intra (NDs) 1 of 3

Within Limit

Prediction Limit

Intrawell Non-parametric



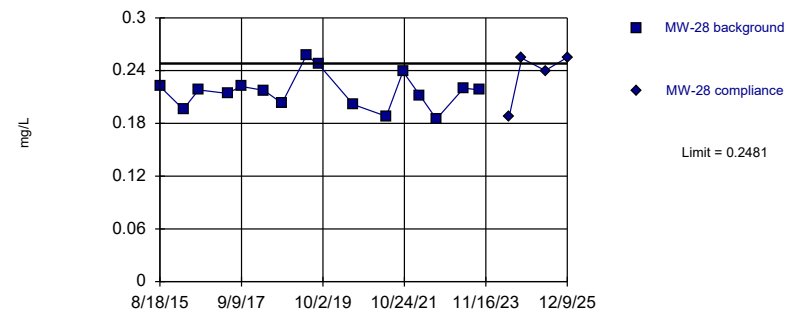
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 1/26/2026 8:11 AM View: 2025 AWQR MW-28 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Exceeds Limit

Prediction Limit

Intrawell Parametric



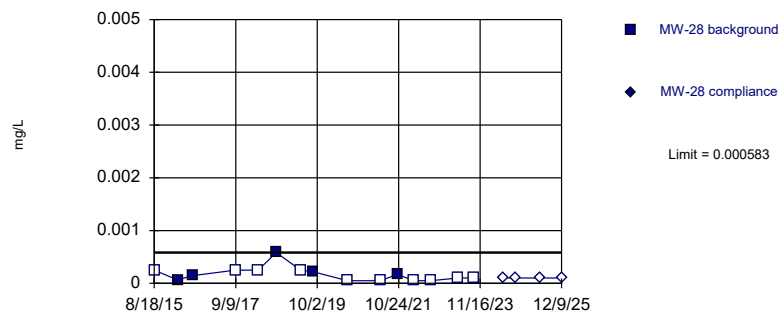
Background Data Summary: Mean=0.2163, Std. Dev.=0.01974, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9522, critical = 0.844. Kappa = 1.614 (c=9, w=6, 1 of 3, event alpha = 0.05132). Report alpha = 0.0009751.

Constituent: Barium Analysis Run 1/26/2026 8:11 AM View: 2025 AWQR MW-28 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



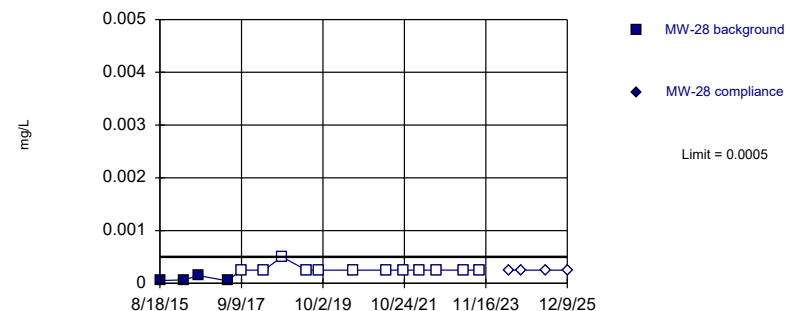
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Cadmium Analysis Run 1/26/2026 8:11 AM View: 2025 AWQR MW-28 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



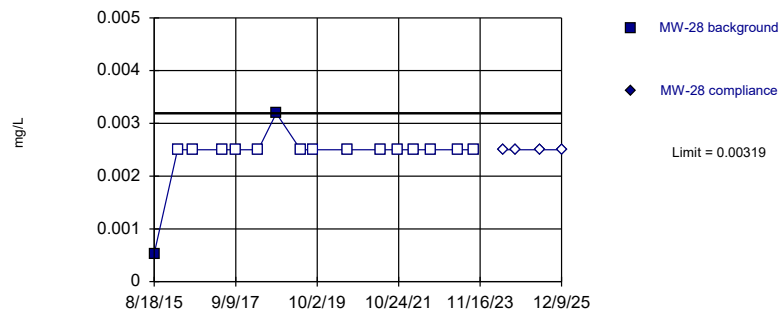
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cobalt Analysis Run 1/26/2026 8:11 AM View: 2025 AWQR MW-28 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



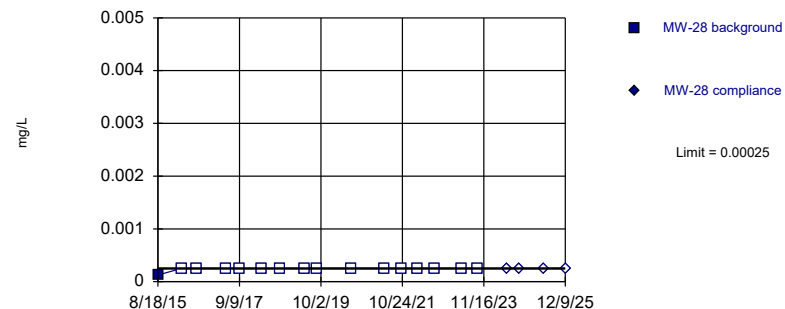
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Copper Analysis Run 1/26/2026 8:11 AM View: 2025 AWQR MW-28 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



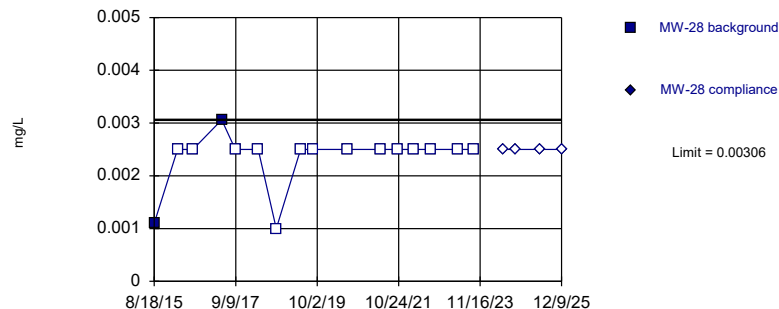
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 1/26/2026 8:11 AM View: 2025 AWQR MW-28 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



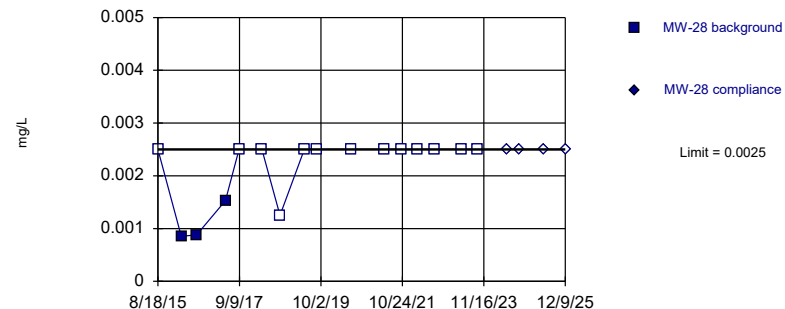
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Nickel Analysis Run 1/26/2026 8:11 AM View: 2025 AWQR MW-28 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric

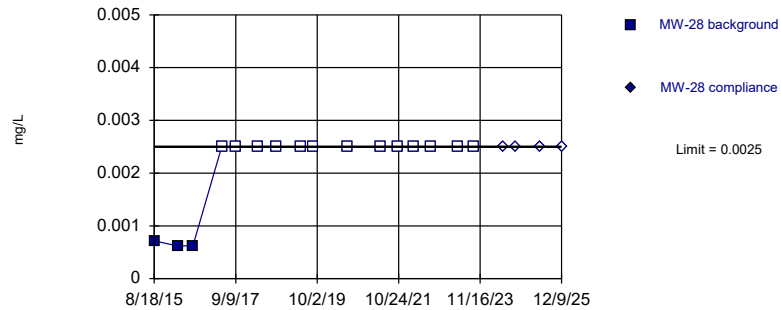


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 1/26/2026 8:11 AM View: 2025 AWQR MW-28 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit

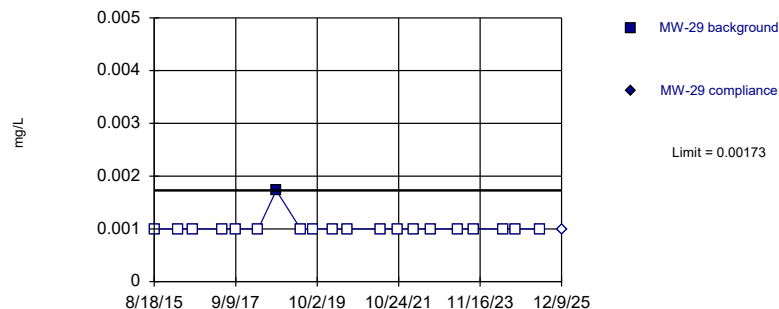
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 1/23/2026, 2:37 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Wells</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	MW-29	0.00173	n/a	12/9/2025	0.001ND	No	20	n/a	95	n/a	0.0005627	NP Intra (NDs) 1 of 3
Barium (mg/L)	MW-29	0.5742	n/a	12/9/2025	0.508	No	24	n/a	0	x^4	0.0007979	Param Intra 1 of 3
Cadmium (mg/L)	MW-29	0.000855	n/a	12/9/2025	0.000332	No	21	n/a	80.95	n/a	0.000511	NP Intra (NDs) 1 of 3
Chromium (mg/L)	MW-29	0.0025	n/a	12/9/2025	0.0025ND	No	20	n/a	95	n/a	0.0005627	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	MW-29	0.00104	n/a	12/9/2025	0.000534	No	23	n/a	69.57	n/a	0.0004078	NP Intra (NDs) 1 of 3
Copper (mg/L)	MW-29	0.0025	n/a	12/9/2025	0.0025ND	No	20	n/a	95	n/a	0.0005627	NP Intra (NDs) 1 of 3
Lead (mg/L)	MW-29	0.000902	n/a	12/9/2025	0.00025ND	No	21	n/a	85.71	n/a	0.000511	NP Intra (NDs) 1 of 3
Nickel (mg/L)	MW-29	0.0025	n/a	12/9/2025	0.00924	Yes	20	n/a	85	n/a	0.0005627	NP Intra (NDs) 1 of 3
Selenium (mg/L)	MW-29	0.00442	n/a	12/9/2025	0.0025ND	No	20	n/a	85	n/a	0.0005627	NP Intra (NDs) 1 of 3
Silver (mg/L)	MW-29	0.0005	n/a	12/9/2025	0.0005ND	No	20	n/a	95	n/a	0.0005627	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	MW-29	0.0025	n/a	12/9/2025	0.0025ND	No	20	n/a	85	n/a	0.0005627	NP Intra (NDs) 1 of 3

Within Limit

Prediction Limit

Intrawell Non-parametric



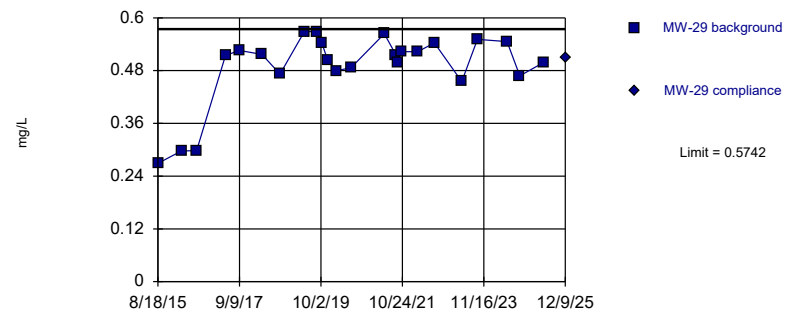
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.001125. Individual comparison alpha = 0.0005627 (1 of 3).

Constituent: Arsenic Analysis Run 1/23/2026 2:36 PM View: 2024SSN - MW-29 IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Parametric



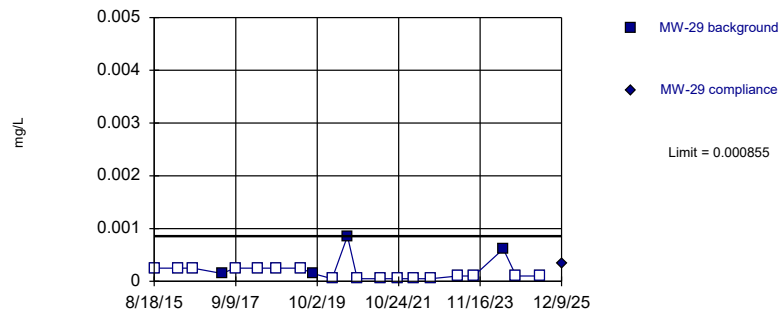
Background Data Summary (based on x^4 transformation): Mean=0.06504, Std. Dev.=0.02838, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9181, critical = 0.884. Kappa = 1.539 (c=11, w=6, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007979.

Constituent: Barium Analysis Run 1/23/2026 2:36 PM View: 2024SSN - MW-29 IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



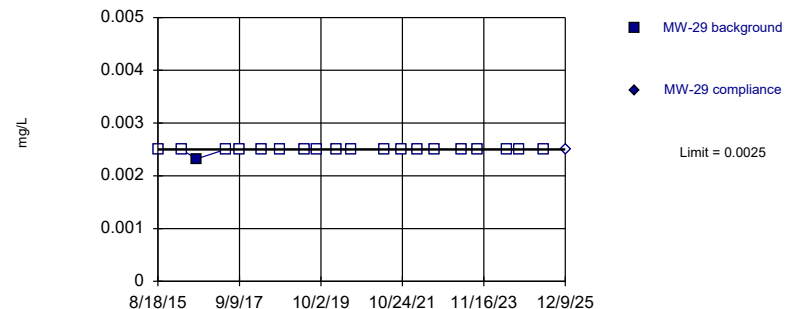
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 80.95% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Constituent: Cadmium Analysis Run 1/23/2026 2:36 PM View: 2024SSN - MW-29 IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric

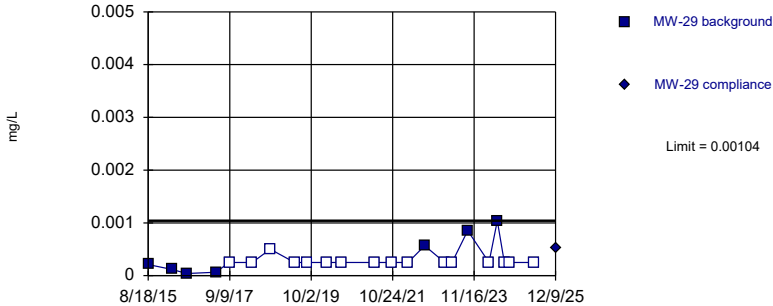


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.001125. Individual comparison alpha = 0.0005627 (1 of 3).

Constituent: Chromium Analysis Run 1/23/2026 2:36 PM View: 2024SSN - MW-29 IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit
Intrawell Non-parametric

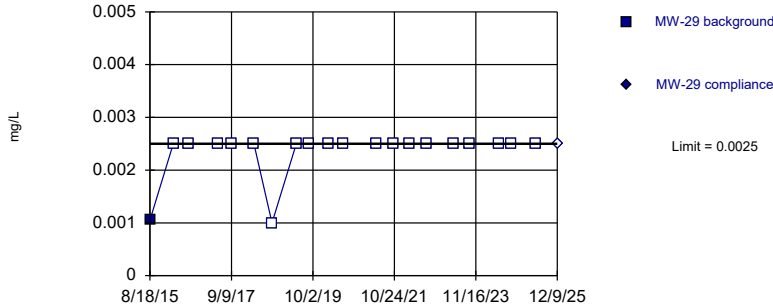


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Constituent: Cobalt Analysis Run 1/23/2026 2:36 PM View: 2024SSN - MW-29 IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit
Intrawell Non-parametric

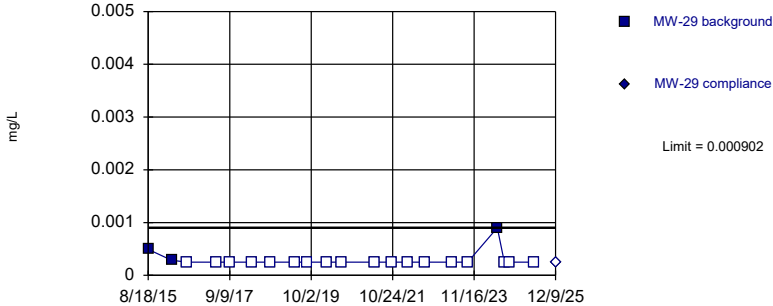


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.001125. Individual comparison alpha = 0.0005627 (1 of 3).

Constituent: Copper Analysis Run 1/23/2026 2:36 PM View: 2024SSN - MW-29 IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit
Intrawell Non-parametric

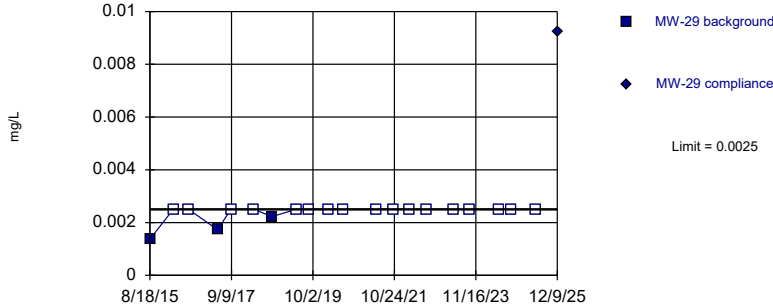


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Constituent: Lead Analysis Run 1/23/2026 2:36 PM View: 2024SSN - MW-29 IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

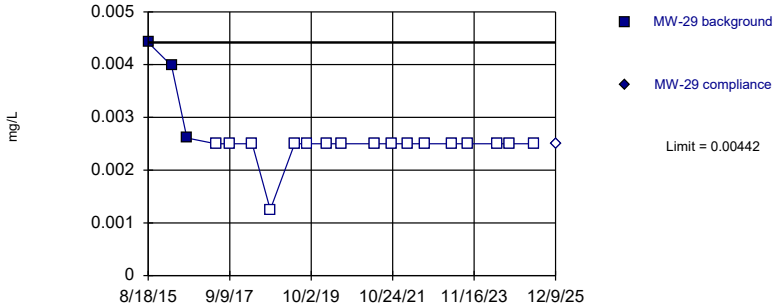


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.001125. Individual comparison alpha = 0.0005627 (1 of 3).

Constituent: Nickel Analysis Run 1/23/2026 2:36 PM View: 2024SSN - MW-29 IntraPL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit
Intrawell Non-parametric



Prediction Limit

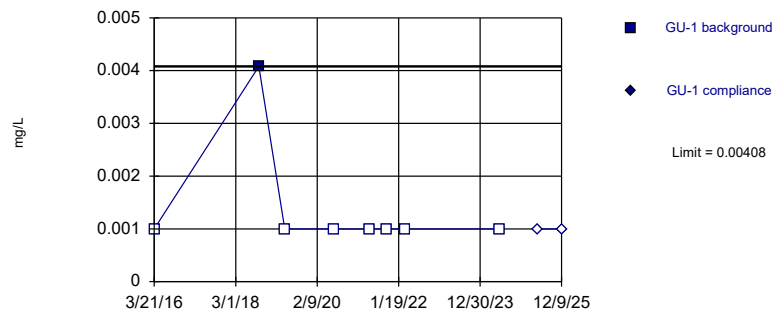
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master Printed 1/26/2026, 7:50 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Wells</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	GU-1	0.00408	n/a	12/9/2025	0.001ND	No	8	n/a	87.5	n/a	0.005912	NP Intra (NDs) 1 of 3
Barium (mg/L)	GU-1	0.6047	n/a	12/9/2025	0.315	No	8	n/a	0	sqrt(x)	0.0009751	Param Intra 1 of 3
Cadmium (mg/L)	GU-1	0.00025	n/a	12/9/2025	0.0001ND	No	8	n/a	87.5	n/a	0.005912	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GU-1	0.00535	n/a	12/9/2025	0.0025ND	No	8	n/a	87.5	n/a	0.005912	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GU-1	0.00194	n/a	12/9/2025	0.00025ND	No	8	n/a	62.5	n/a	0.005912	NP Intra (NDs) 1 of 3
Copper (mg/L)	GU-1	0.00495	n/a	12/9/2025	0.0025ND	No	8	n/a	87.5	n/a	0.005912	NP Intra (NDs) 1 of 3
Lead (mg/L)	GU-1	0.00114	n/a	12/9/2025	0.00025ND	No	8	n/a	87.5	n/a	0.005912	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GU-1	0.00755	n/a	12/9/2025	0.0025ND	No	8	n/a	62.5	n/a	0.005912	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GU-1	0.00914	n/a	12/9/2025	0.0025ND	No	8	n/a	75	n/a	0.005912	NP Intra (NDs) 1 of 3

Within Limit

Prediction Limit

Intrawell Non-parametric



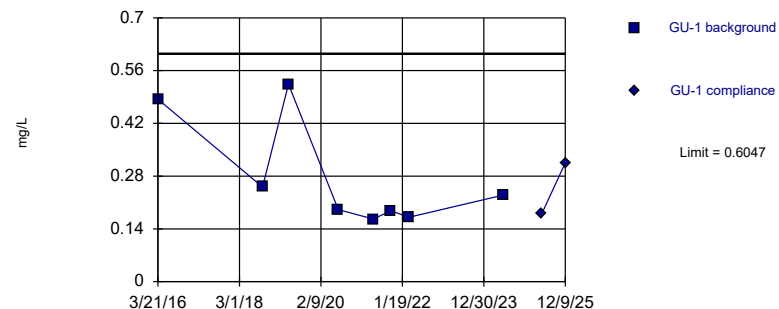
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Constituent: Arsenic Analysis Run 1/26/2026 7:48 AM View: 2025 AWQR GU-1 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Parametric



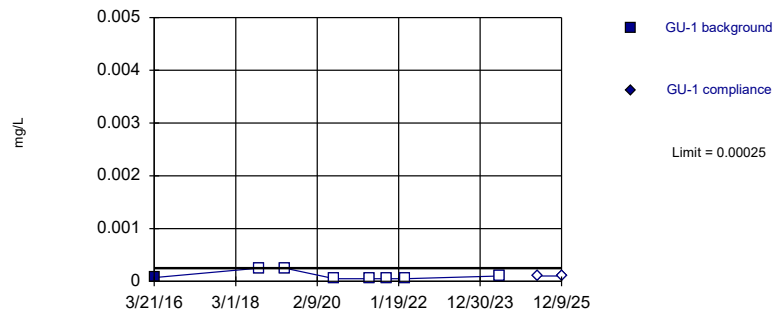
Background Data Summary (based on square root transformation): Mean=0.5115, Std. Dev.=0.1266, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7752, critical = 0.749. Kappa = 2.102 (c=9, w=6, 1 of 3, event alpha = 0.05132). Report alpha = 0.0009751.

Constituent: Barium Analysis Run 1/26/2026 7:48 AM View: 2025 AWQR GU-1 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



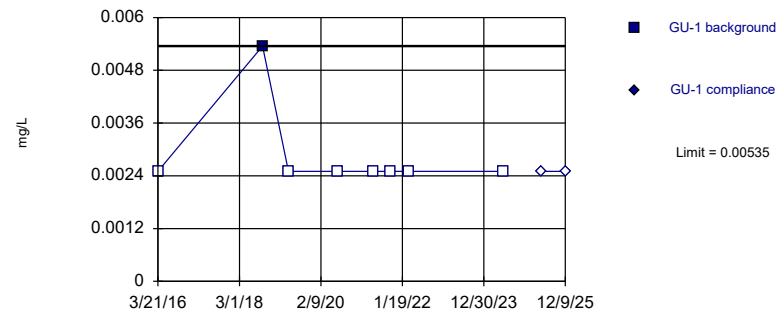
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Constituent: Cadmium Analysis Run 1/26/2026 7:48 AM View: 2025 AWQR GU-1 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



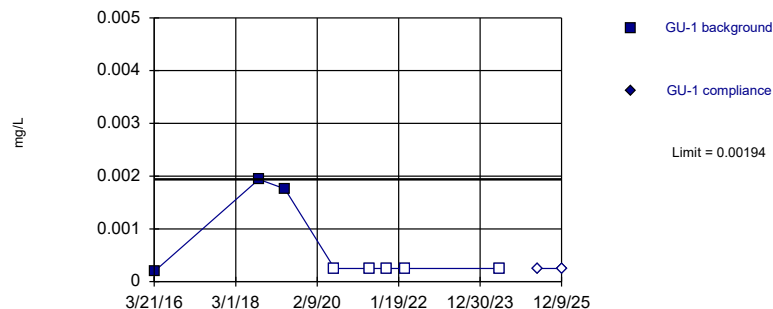
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Constituent: Chromium Analysis Run 1/26/2026 7:48 AM View: 2025 AWQR GU-1 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



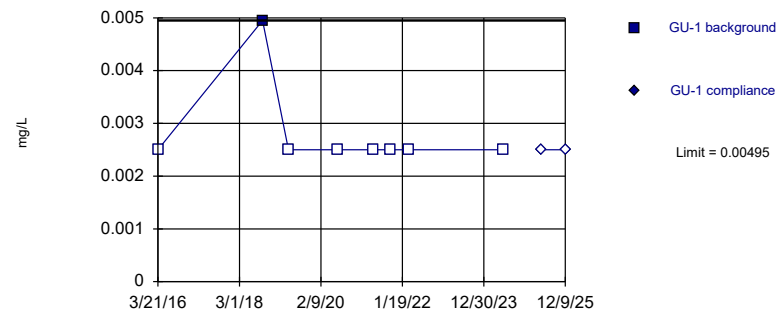
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Constituent: Cobalt Analysis Run 1/26/2026 7:48 AM View: 2025 AWQR GU-1 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



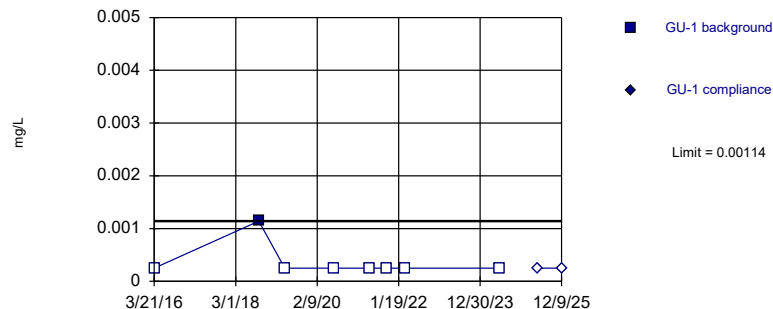
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Constituent: Copper Analysis Run 1/26/2026 7:48 AM View: 2025 AWQR GU-1 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric



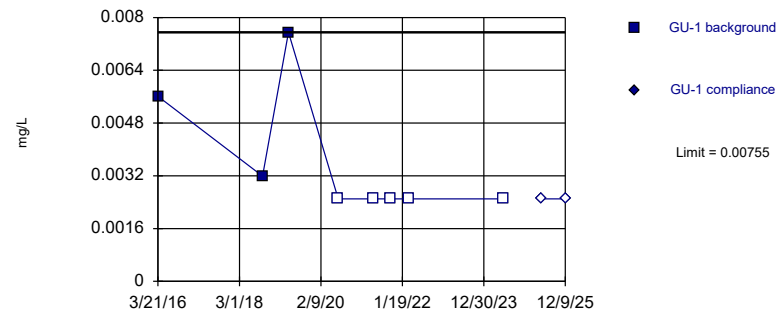
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Constituent: Lead Analysis Run 1/26/2026 7:48 AM View: 2025 AWQR GU-1 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit

Intrawell Non-parametric

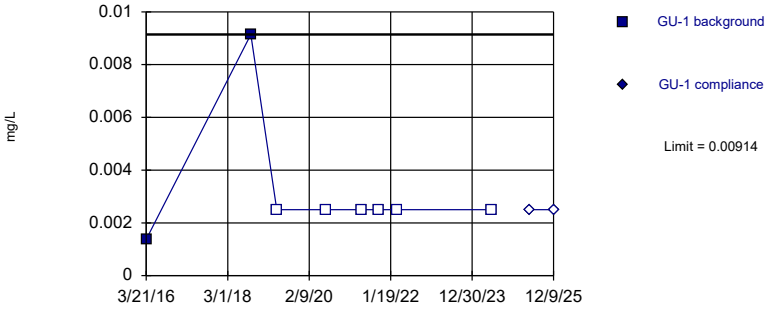


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Constituent: Nickel Analysis Run 1/26/2026 7:48 AM View: 2025 AWQR GU-1 Intra PL
Montgomery County SLF Client: SCS Engineers Data: Sanitas IWMNT South Master

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 8 background values. 75% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005912 (1 of 3).

Mann-Kendall Trend Table and Graphs

Trend Test

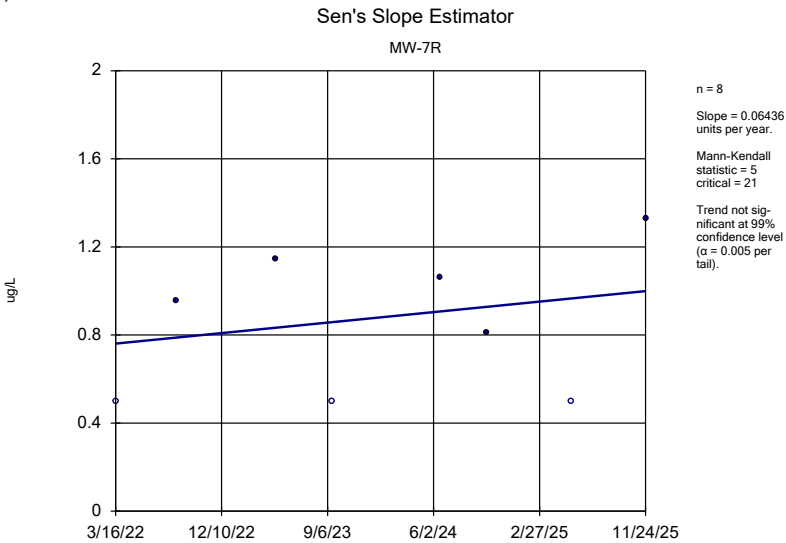
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR Printed 1/21/2026, 10:43 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Alpha</u>	<u>Method</u>
1,1-Dichloroethane (ug/L)	MW-7R	0.06436	5	21	No	8	37.5	0.01	NP
1,1-Dichloroethane (ug/L)	MW-16	-0.0937	-8	-21	No	8	0	0.01	NP
1,1-Dichloroethene (ug/L)	MW-27	0	-7	-21	No	8	87.5	0.01	NP
1,2-Dichloroethane (ug/L)	MW-15	0	3	21	No	8	87.5	0.01	NP
1,4-Dichlorobenzene (ug/L)	MW-16	0.2264	17	21	No	8	37.5	0.01	NP
4,4'-DDE (ug/L)	MW-16	0.001269	7	12	No	5	80	0.01	NP
Acetone (ug/L)	MW-17	-0.1348	-8	-21	No	8	50	0.01	NP
Acrylonitrile (ug/L)	MW-15	0	-11	-21	No	8	87.5	0.01	NP
alpha-BHC (ug/L)	MW-7R	0.003325	6	21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-4	0	-7	-21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-5	0	-7	-21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-6	0	-7	-21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-8	0	-7	-21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-9	0	-7	-21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-14	0	-13	-21	No	8	75	0.01	NP
Arsenic (mg/L)	MW-15	0	-7	-21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-16	0	-7	-21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-17	0	1	21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-27	0	-5	-21	No	8	87.5	0.01	NP
Barium (mg/L)	MW-4	-0.0005525	-2	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-5	-0.04612	-24	-21	Yes	8	0	0.01	NP
Barium (mg/L)	MW-6	-0.00706	-10	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-7R	-0.1186	-18	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-8	0.002738	17	21	No	8	0	0.01	NP
Barium (mg/L)	MW-9	0.003301	14	21	No	8	0	0.01	NP
Barium (mg/L)	MW-14	0.01793	12	21	No	8	0	0.01	NP
Barium (mg/L)	MW-15	0.004751	22	21	Yes	8	0	0.01	NP
Barium (mg/L)	MW-16	0.01721	14	21	No	8	0	0.01	NP
Barium (mg/L)	MW-17	0.03565	18	21	No	8	0	0.01	NP
Barium (mg/L)	MW-27	-0.005962	-18	-21	No	8	0	0.01	NP
beta-BHC (ug/L)	MW-7R	-0.0001362	-1	-21	No	8	75	0.01	NP
beta-BHC (ug/L)	MW-16	0.00254	2	21	No	8	62.5	0.01	NP
Cadmium (mg/L)	MW-5	0	-1	-21	No	8	37.5	0.01	NP
Cadmium (mg/L)	MW-7R	-0.000239	-14	-21	No	8	50	0.01	NP
Cadmium (mg/L)	MW-9	0	2	21	No	8	75	0.01	NP
Cadmium (mg/L)	MW-14	-0.00002273	-11	-21	No	8	87.5	0.01	NP
Cadmium (mg/L)	MW-16	-0.00002185	-11	-21	No	8	87.5	0.01	NP
Cadmium (mg/L)	MW-17	0	-1	-21	No	8	75	0.01	NP
Carbon disulfide (ug/L)	MW-15	0	-7	-21	No	8	87.5	0.01	NP
Chlorobenzene (ug/L)	MW-16	0.7199	13	21	No	8	25	0.01	NP
Chromium (mg/L)	MW-4	0	5	21	No	8	75	0.01	NP
Chromium (mg/L)	MW-27	0	5	21	No	8	75	0.01	NP
Cobalt (mg/L)	MW-5	-0.0006286	-17	-21	No	8	25	0.01	NP
Cobalt (mg/L)	MW-7R	-0.000002239	0	21	No	8	0	0.01	NP
Cobalt (mg/L)	MW-8	0.00005641	8	21	No	8	0	0.01	NP
Cobalt (mg/L)	MW-15	0	2	21	No	8	75	0.01	NP
Cobalt (mg/L)	MW-17	0	-2	-21	No	8	62.5	0.01	NP
Cobalt (mg/L)	MW-27	0	-5	-21	No	8	87.5	0.01	NP
Copper (mg/L)	MW-4	0	7	21	No	8	87.5	0.01	NP
Copper (mg/L)	MW-5	0	11	21	No	8	75	0.01	NP

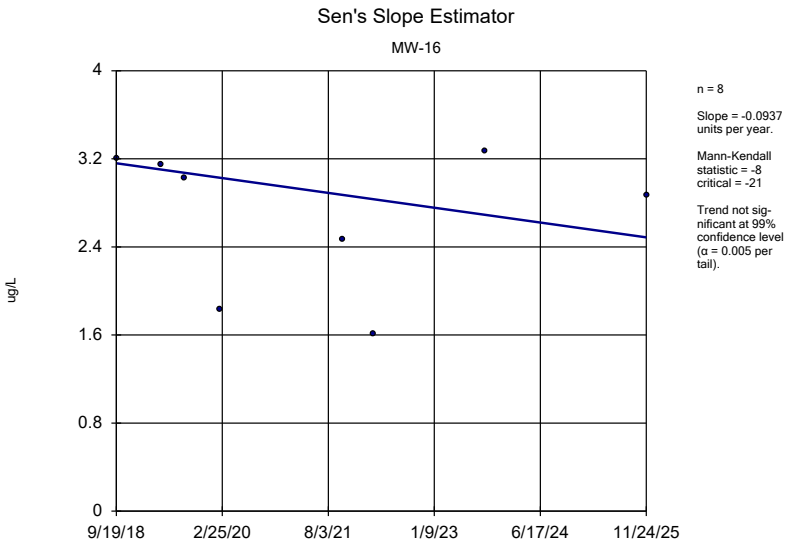
Trend Test

Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR Printed 1/21/2026, 10:43 AM

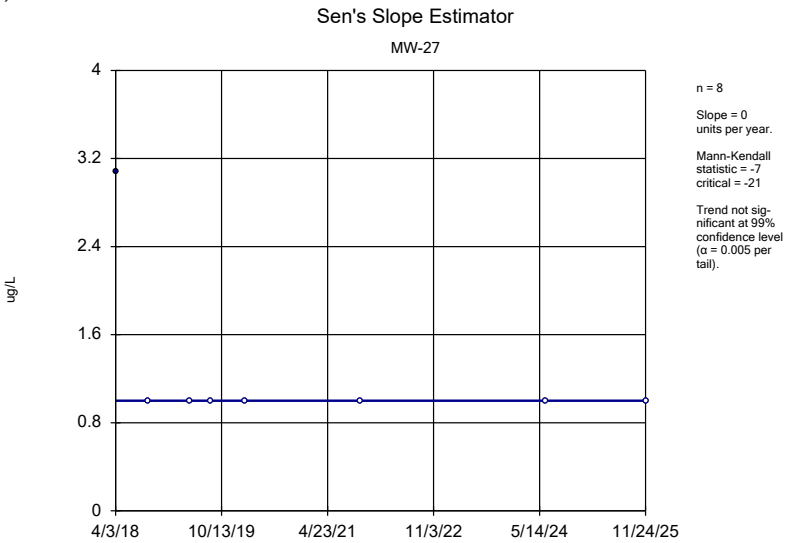
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Alpha</u>	<u>Method</u>
Copper (mg/L)	MW-6	0	-7	-21	No	8	87.5	0.01	NP
Copper (mg/L)	MW-8	0	7	21	No	8	87.5	0.01	NP
Copper (mg/L)	MW-14	0	-7	-21	No	8	87.5	0.01	NP
Copper (mg/L)	MW-17	0.002189	16	21	No	8	62.5	0.01	NP
Copper (mg/L)	MW-27	0	-5	-21	No	8	87.5	0.01	NP
Endosulfan I (ug/L)	MW-7R	0	0	21	No	8	75	0.01	NP
Lead (mg/L)	MW-6	0	3	21	No	8	87.5	0.01	NP
Lead (mg/L)	MW-8	0	-7	-21	No	8	87.5	0.01	NP
Lead (mg/L)	MW-14	0	3	21	No	8	87.5	0.01	NP
Lead (mg/L)	MW-17	0.00007034	8	21	No	8	50	0.01	NP
Lead (mg/L)	MW-27	0	-5	-21	No	8	87.5	0.01	NP
Mercury (mg/L)	MW-16	0	1	21	No	8	75	0.01	NP
Nickel (mg/L)	MW-5	-0.005285	-22	-21	Yes	8	0	0.01	NP
Nickel (mg/L)	MW-6	0	-11	-21	No	8	75	0.01	NP
Nickel (mg/L)	MW-7R	-0.003137	-4	-21	No	8	0	0.01	NP
Nickel (mg/L)	MW-8	0	-3	-21	No	8	75	0.01	NP
Nickel (mg/L)	MW-14	0	-7	-21	No	8	87.5	0.01	NP
Nickel (mg/L)	MW-16	0	1	21	No	8	75	0.01	NP
Nickel (mg/L)	MW-17	0	0	21	No	8	50	0.01	NP
Nickel (mg/L)	MW-27	0	-5	-21	No	8	87.5	0.01	NP
Selenium (mg/L)	MW-9	0	-7	-21	No	8	87.5	0.01	NP
Styrene (ug/L)	MW-15	0	-7	-21	No	8	87.5	0.01	NP
Sulfide (mg/L)	MW-5	0	-13	-21	No	8	75	0.01	NP
Sulfide (mg/L)	MW-6	0	-7	-21	No	8	75	0.01	NP
Sulfide (mg/L)	MW-8	0	-9	-21	No	8	75	0.01	NP
Sulfide (mg/L)	MW-14	0	-7	-21	No	8	87.5	0.01	NP
Sulfide (mg/L)	MW-16	0	-7	-21	No	8	87.5	0.01	NP
Vanadium (mg/L)	MW-8	0	5	21	No	8	75	0.01	NP
Vanadium (mg/L)	MW-14	0	-7	-21	No	8	75	0.01	NP
Vanadium (mg/L)	MW-15	0	-1	-21	No	8	87.5	0.01	NP
Vanadium (mg/L)	MW-16	0	5	21	No	8	75	0.01	NP
Vanadium (mg/L)	MW-17	0.0002751	9	21	No	8	37.5	0.01	NP
Vanadium (mg/L)	MW-27	0	-7	-21	No	8	75	0.01	NP
Zinc (mg/L)	MW-17	0.002379	18	21	No	8	75	0.01	NP
Zinc (mg/L)	MW-27	0	-5	-21	No	8	87.5	0.01	NP



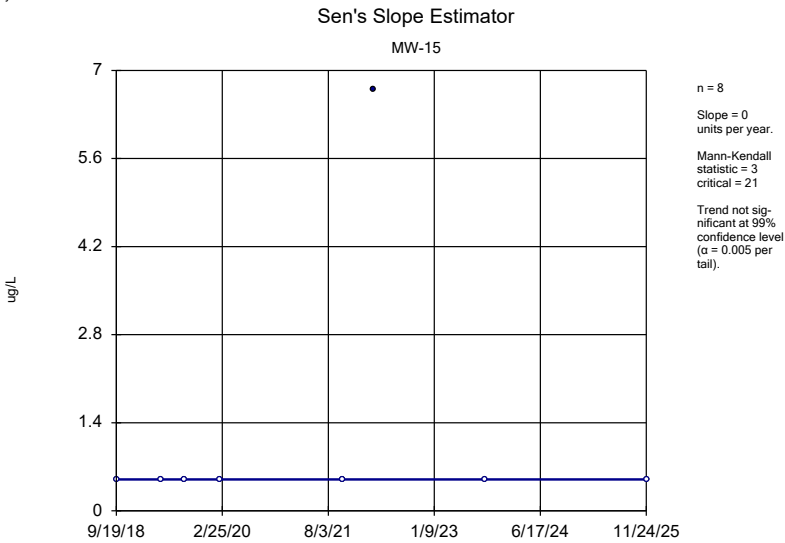
Constituent: 1,1-Dichloroethane Analysis Run 1/21/2026 10:38 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



Constituent: 1,1-Dichloroethane Analysis Run 1/21/2026 10:38 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



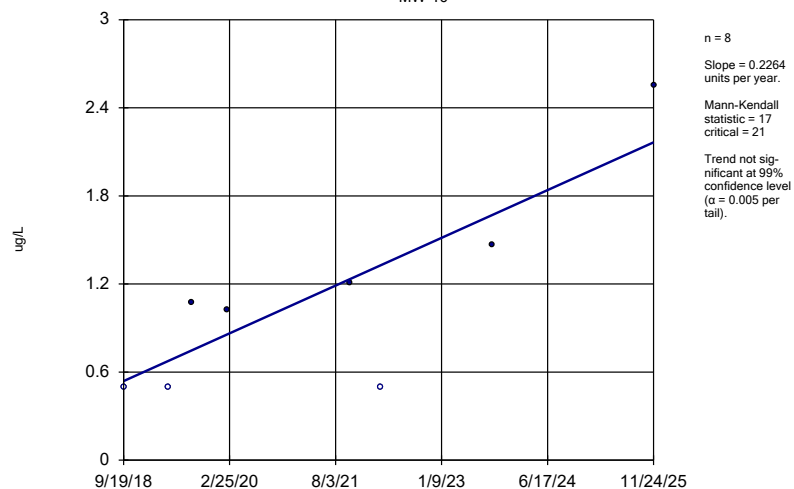
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



Constituent: 1,2-Dichloroethane Analysis Run 1/21/2026 10:38 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator

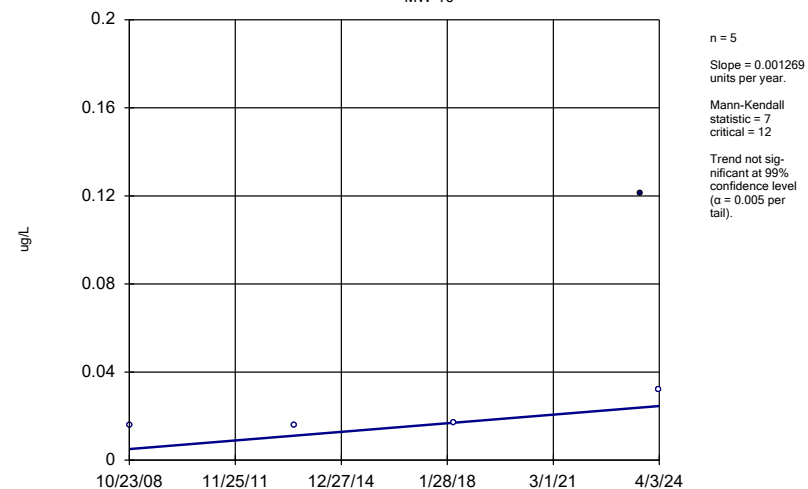
MW-16



Constituent: 1,4-Dichlorobenzene Analysis Run 1/21/2026 10:38 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator

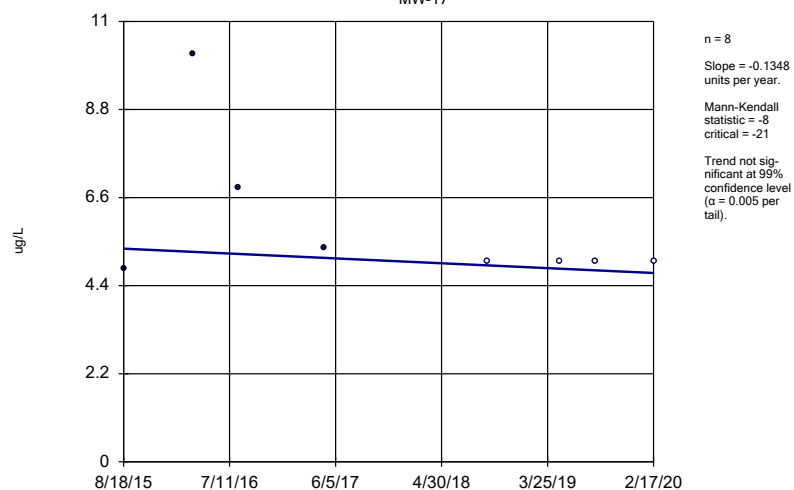
MW-16



Constituent: 4,4'-DDE Analysis Run 1/21/2026 10:38 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator

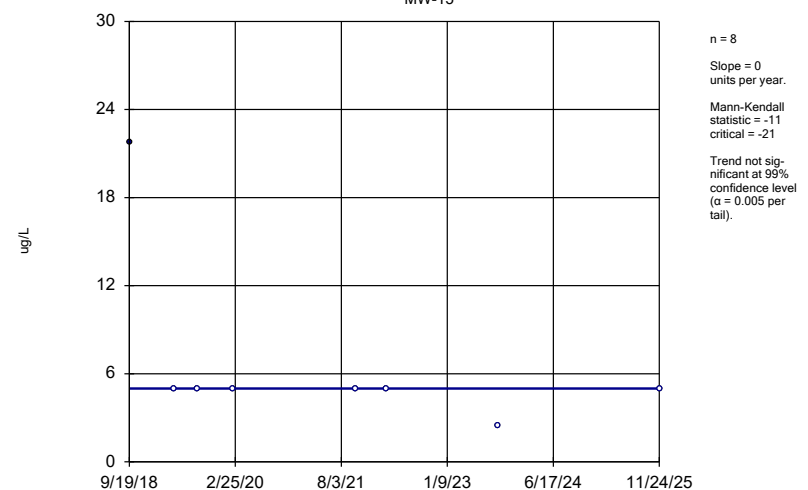
MW-17



Constituent: Acetone Analysis Run 1/21/2026 10:38 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator

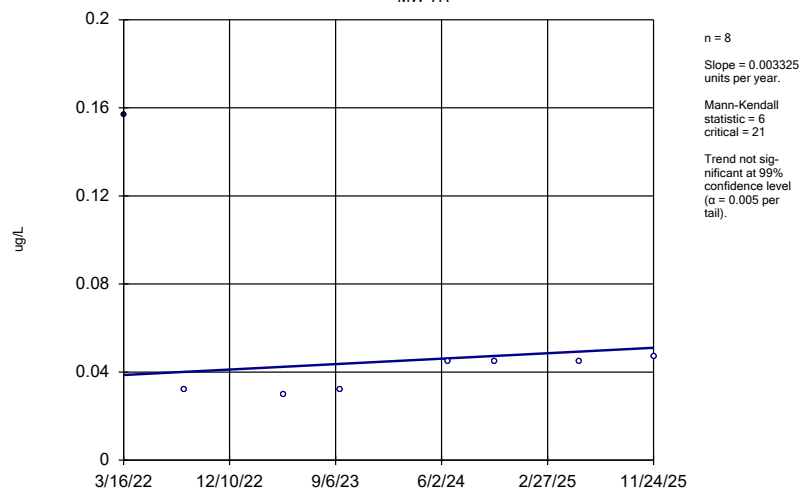
MW-15



Constituent: Acrylonitrile Analysis Run 1/21/2026 10:38 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator

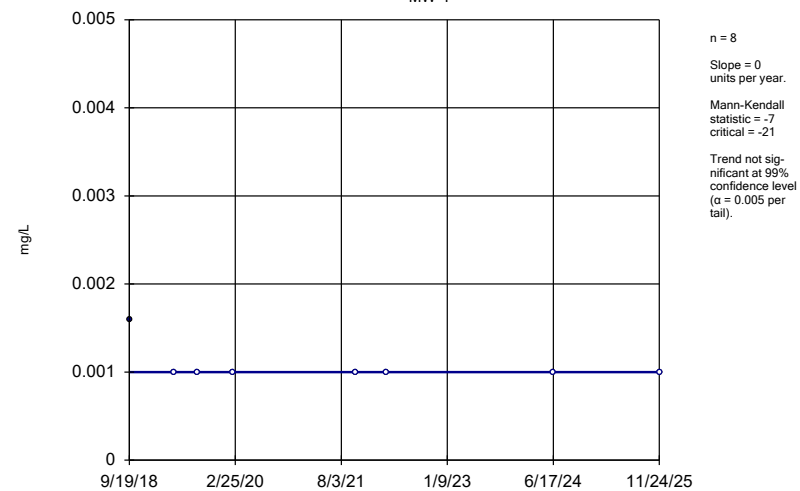
MW-7R



Constituent: alpha-BHC Analysis Run 1/21/2026 10:38 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator

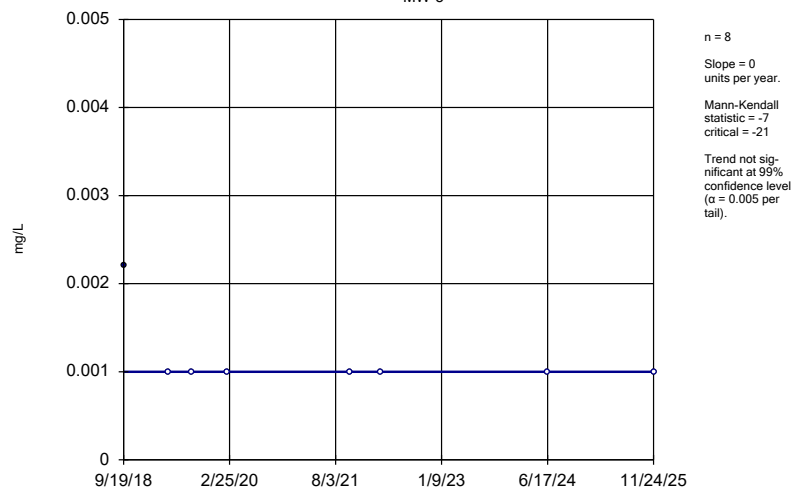
MW-4



Constituent: Arsenic Analysis Run 1/21/2026 10:38 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator

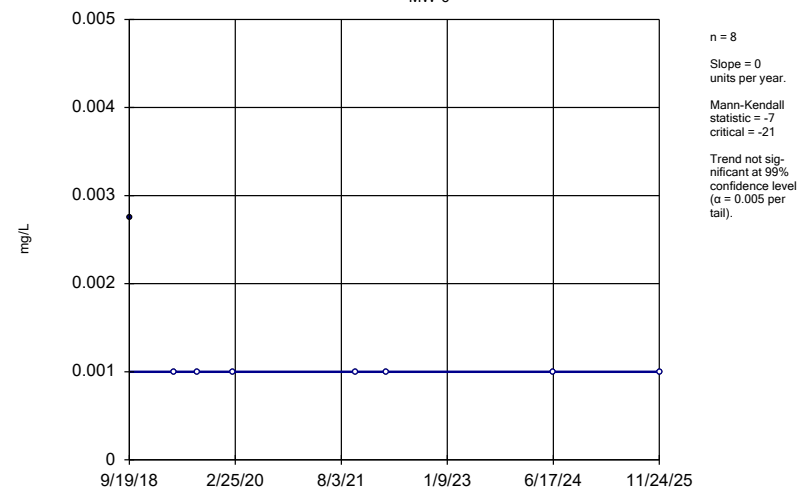
MW-5



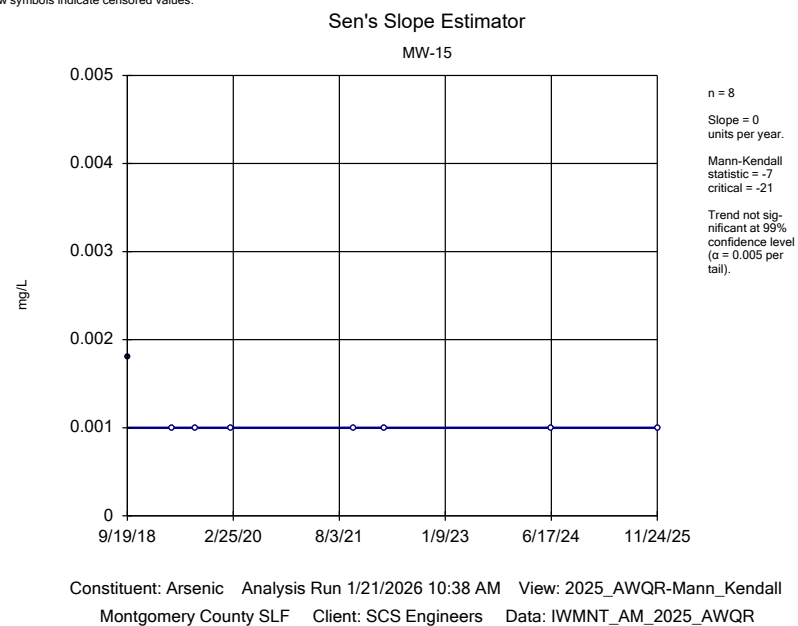
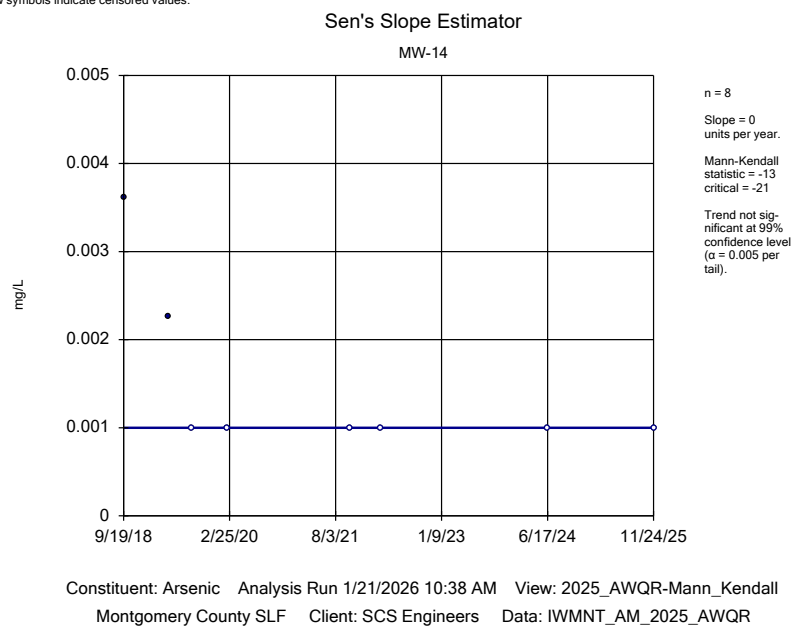
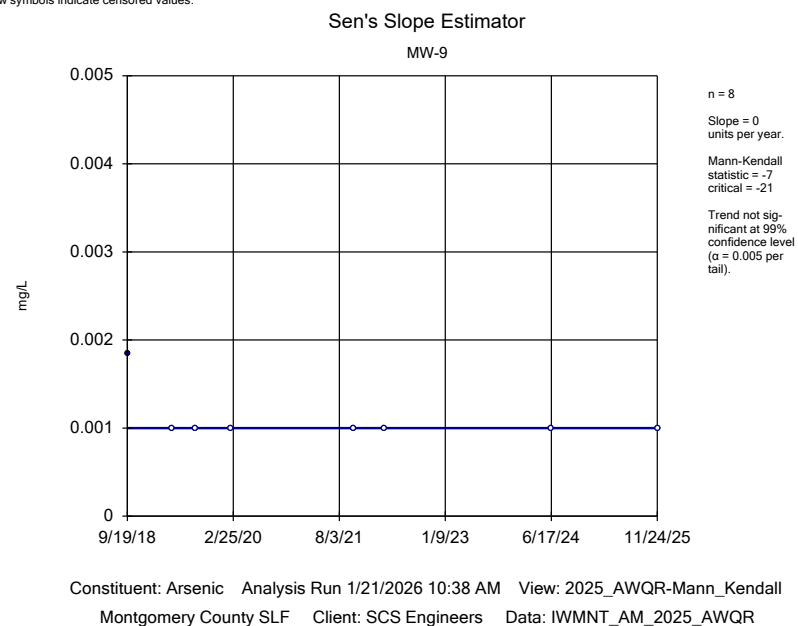
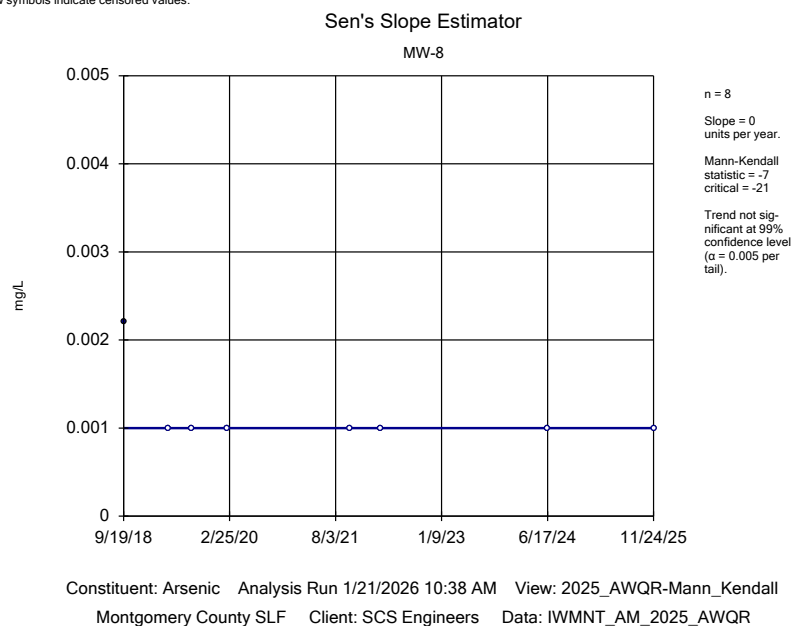
Constituent: Arsenic Analysis Run 1/21/2026 10:38 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

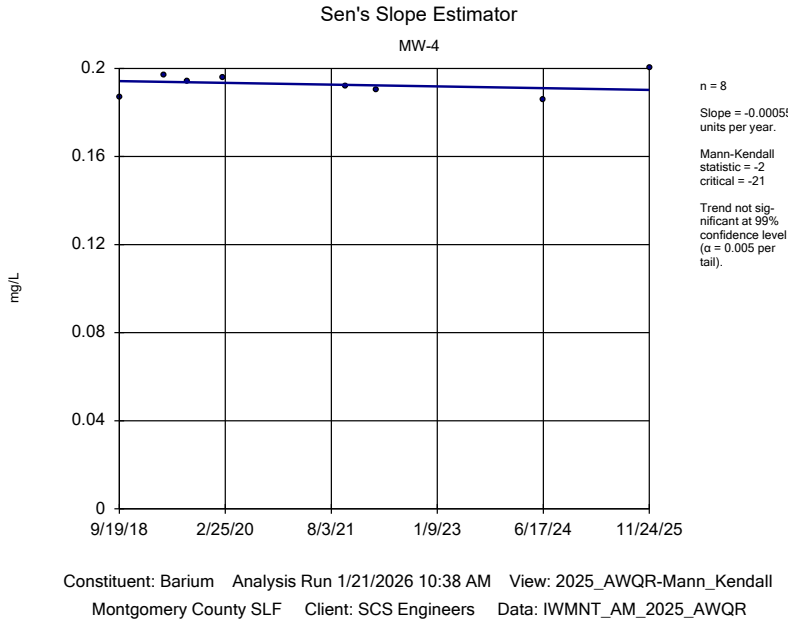
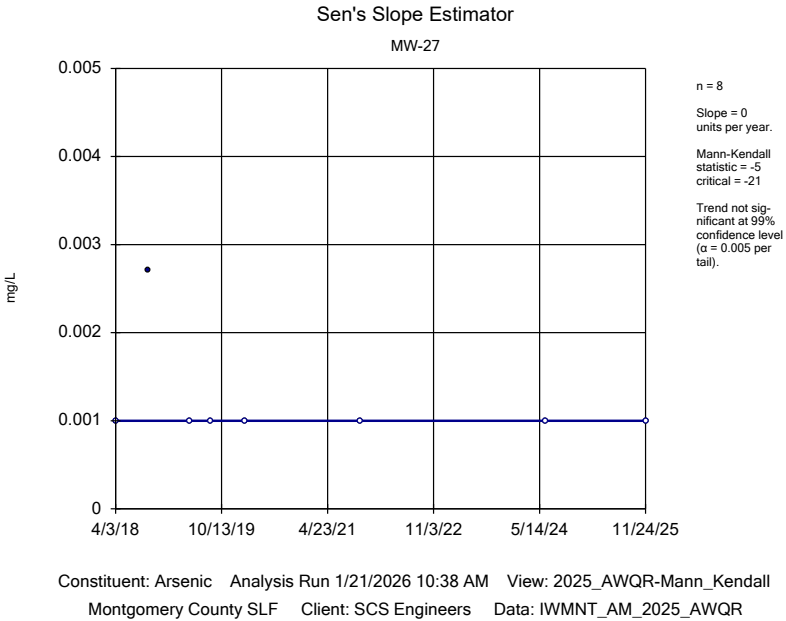
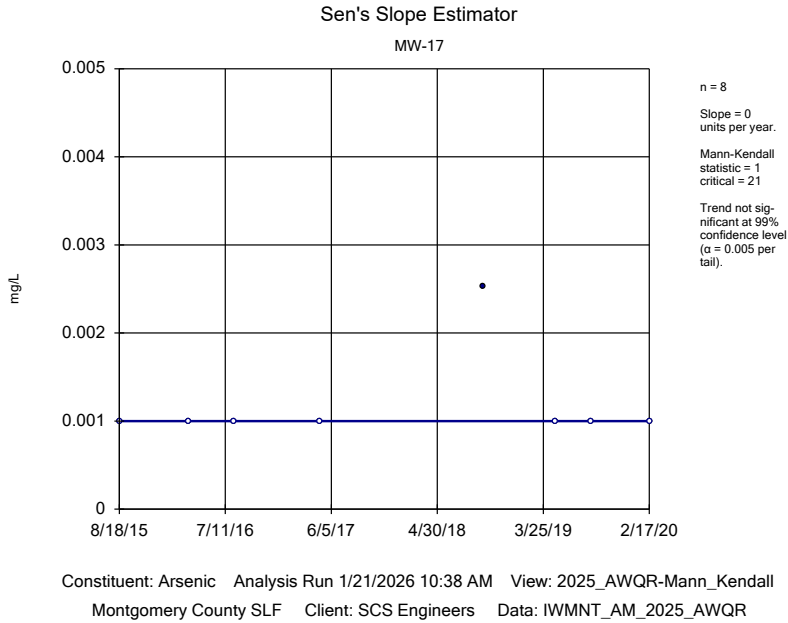
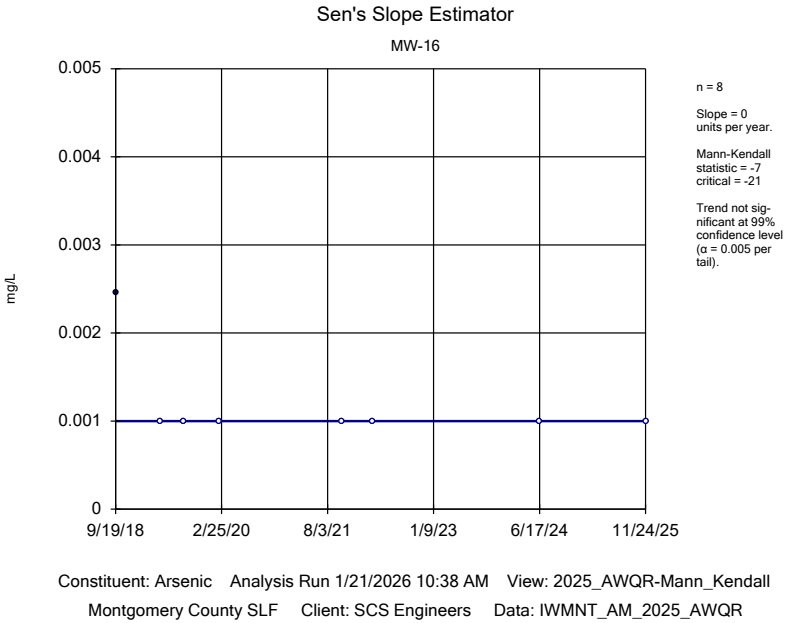
Sen's Slope Estimator

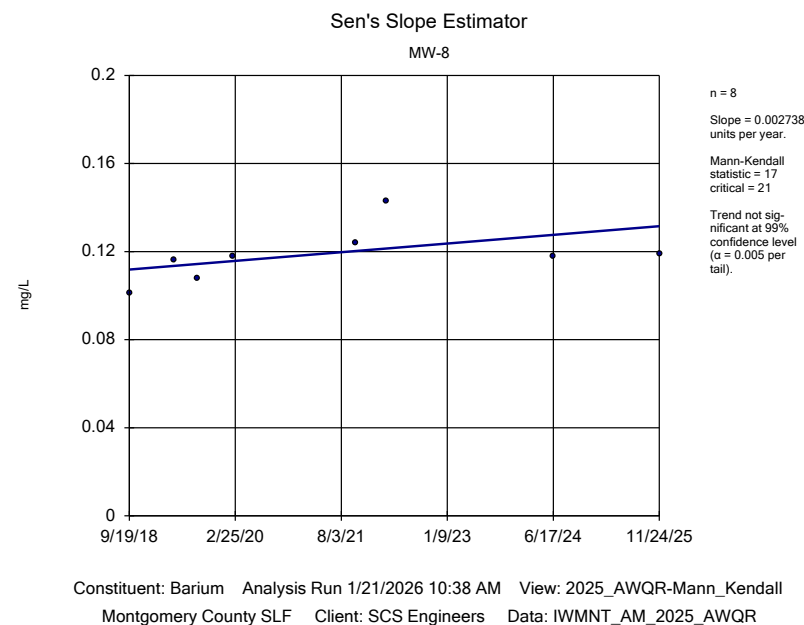
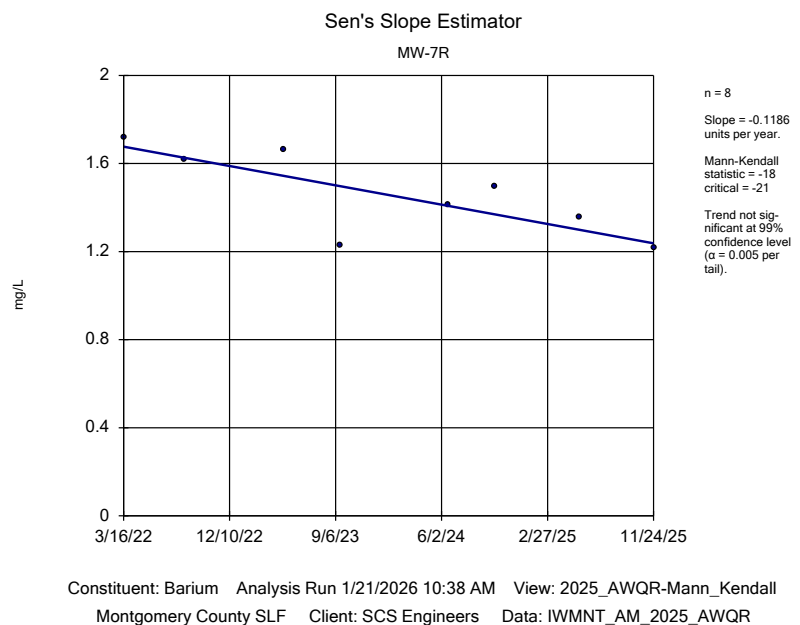
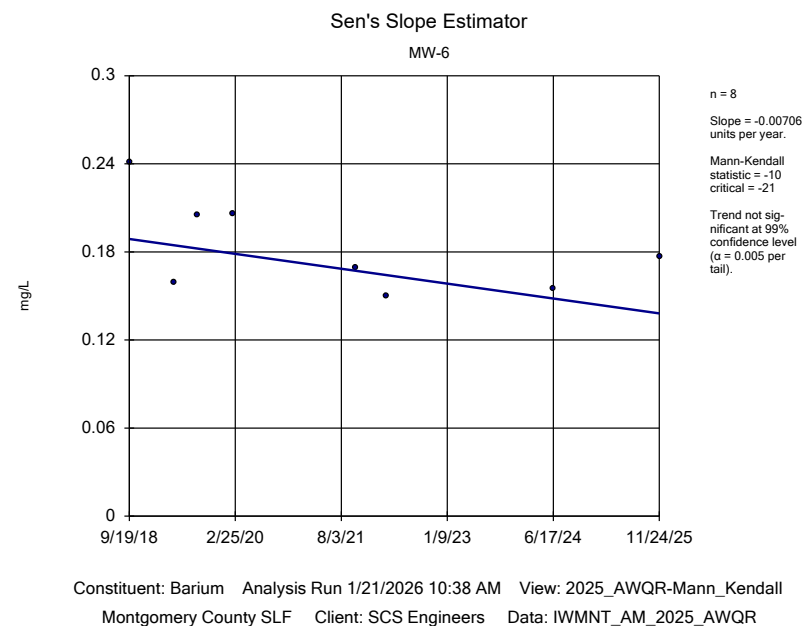
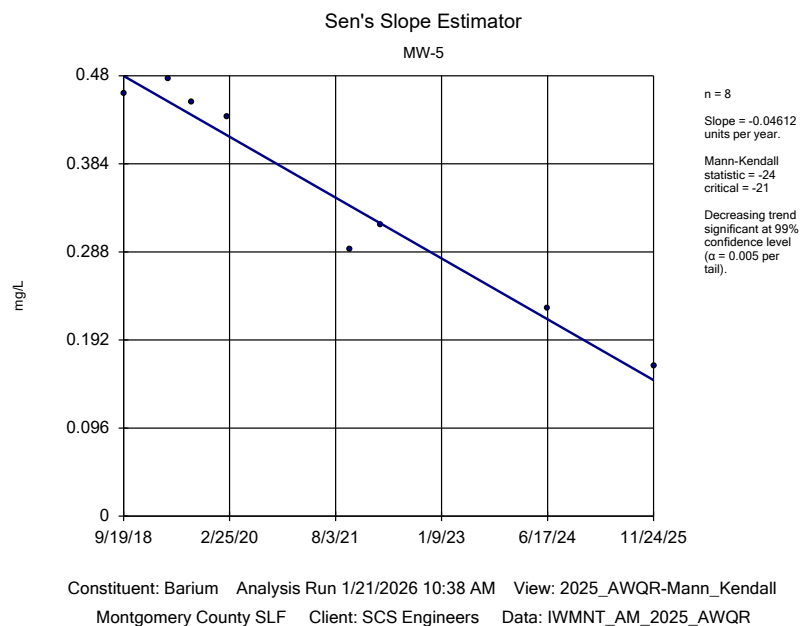
MW-6

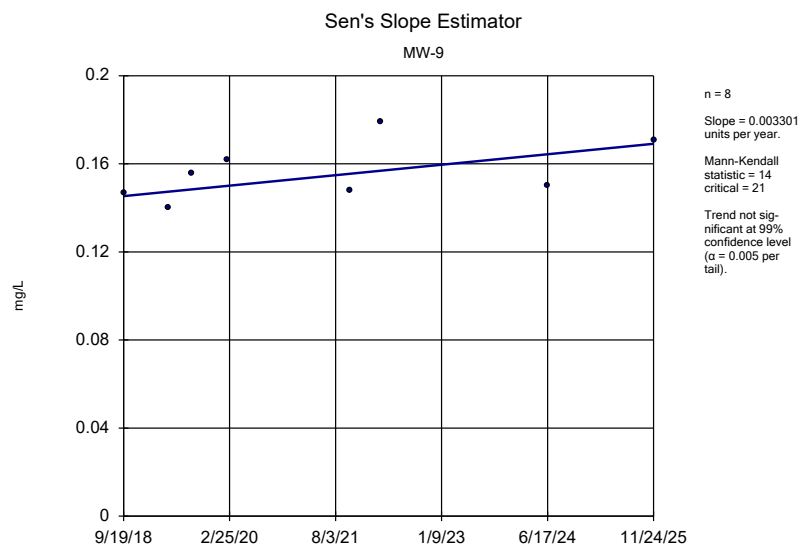


Constituent: Arsenic Analysis Run 1/21/2026 10:38 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

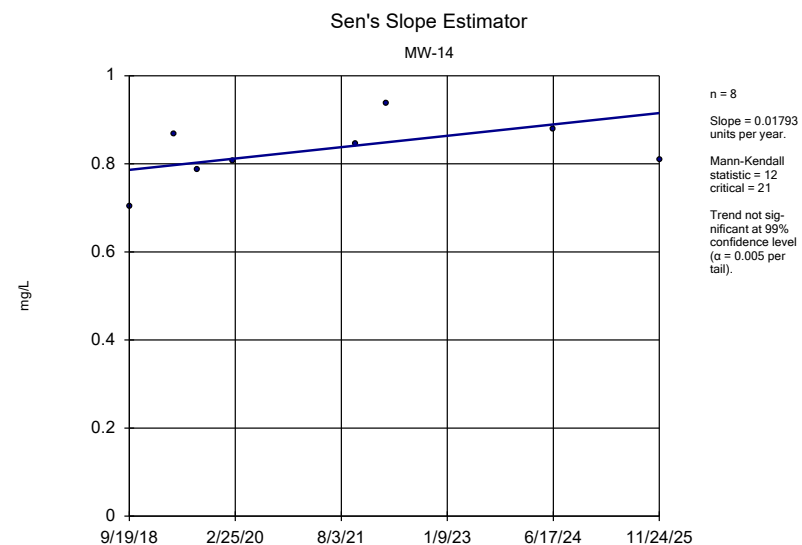




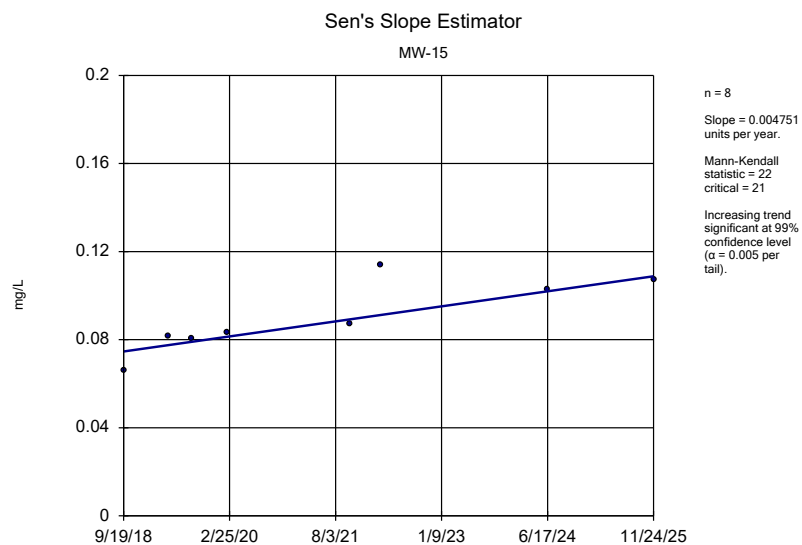




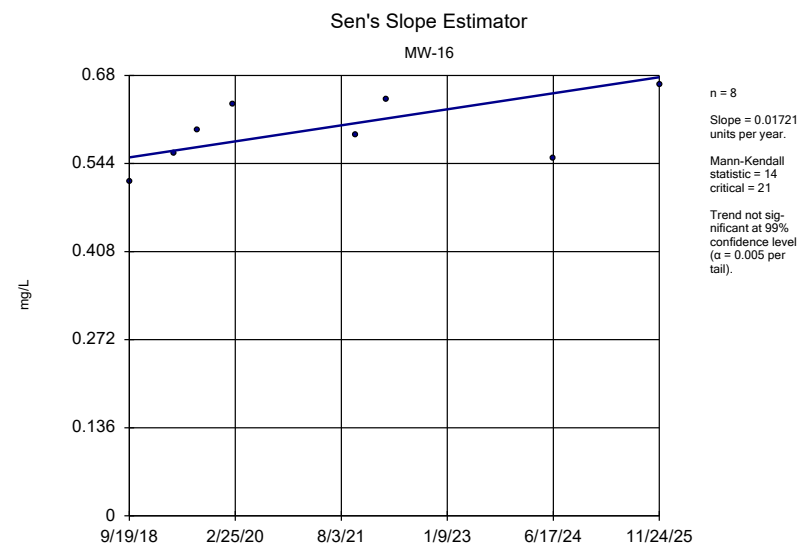
Constituent: Barium Analysis Run 1/21/2026 10:38 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



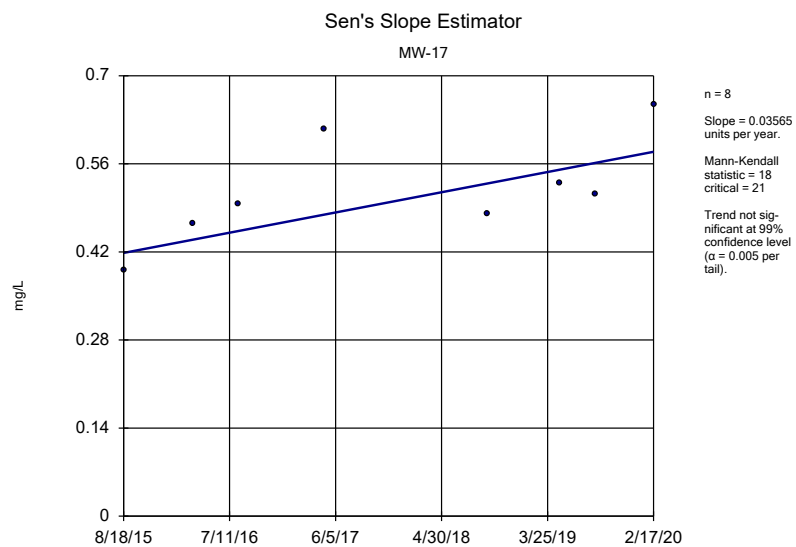
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



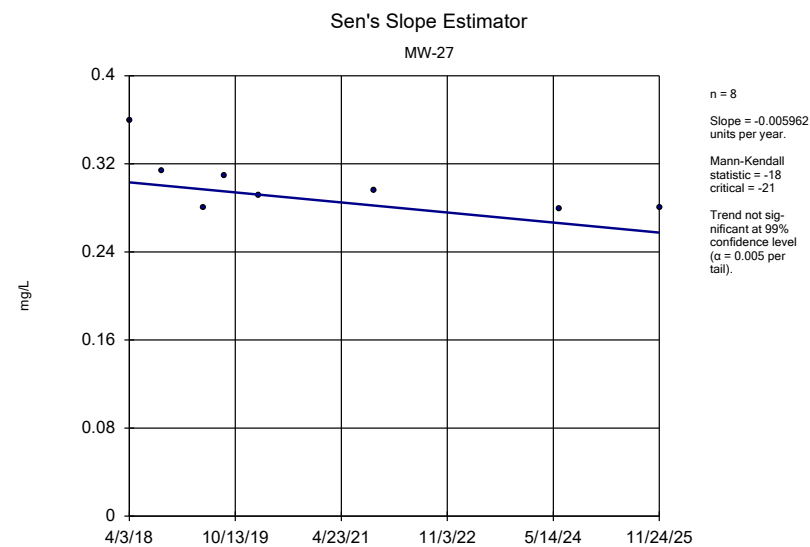
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



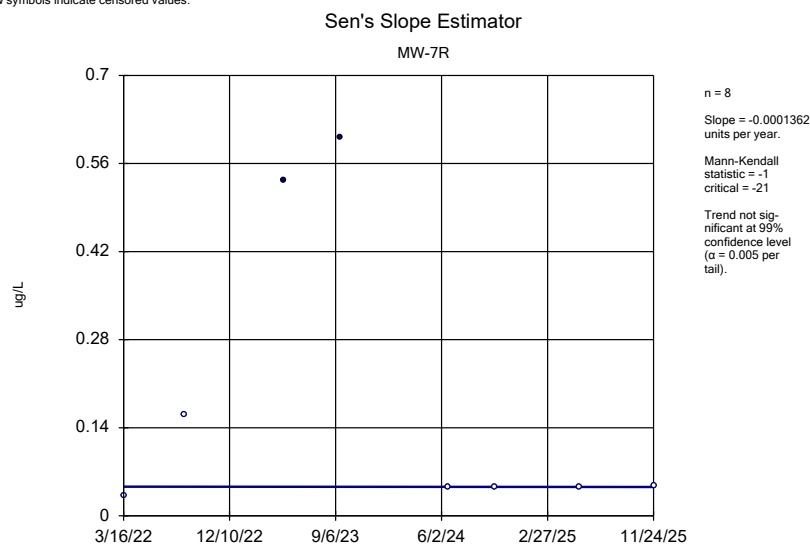
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



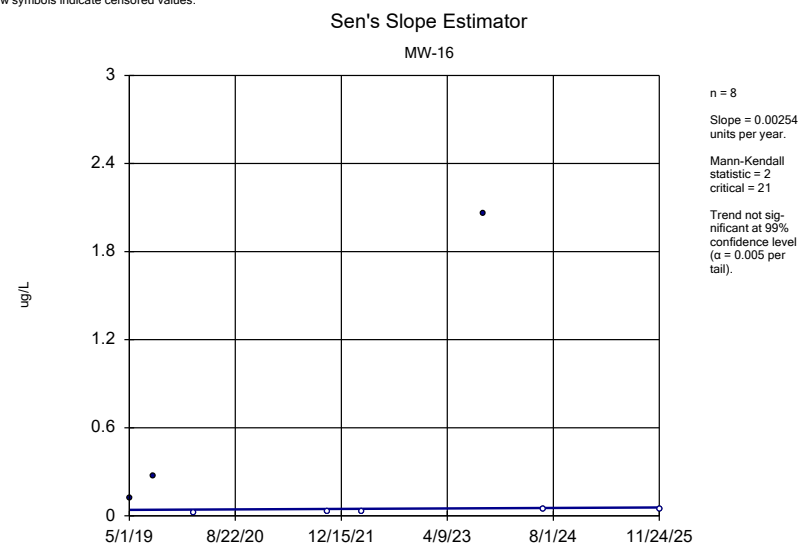
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



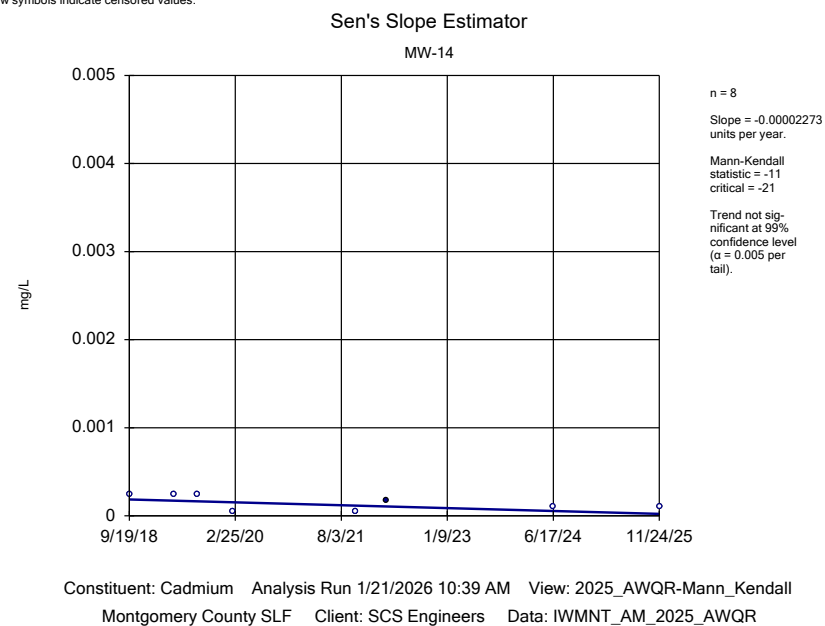
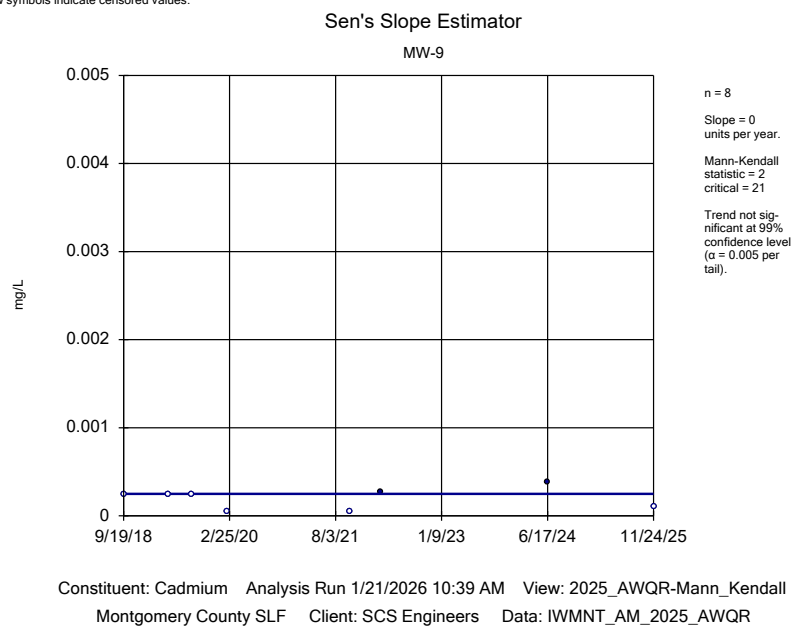
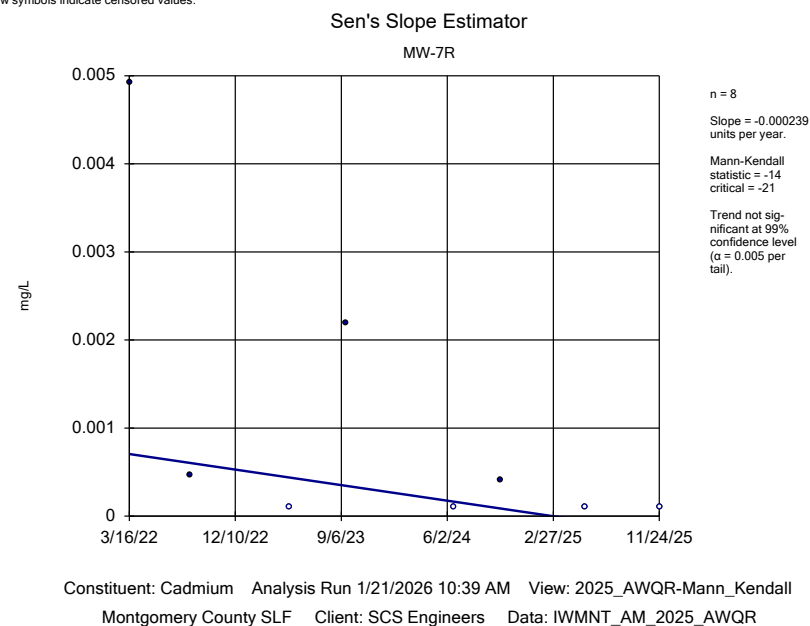
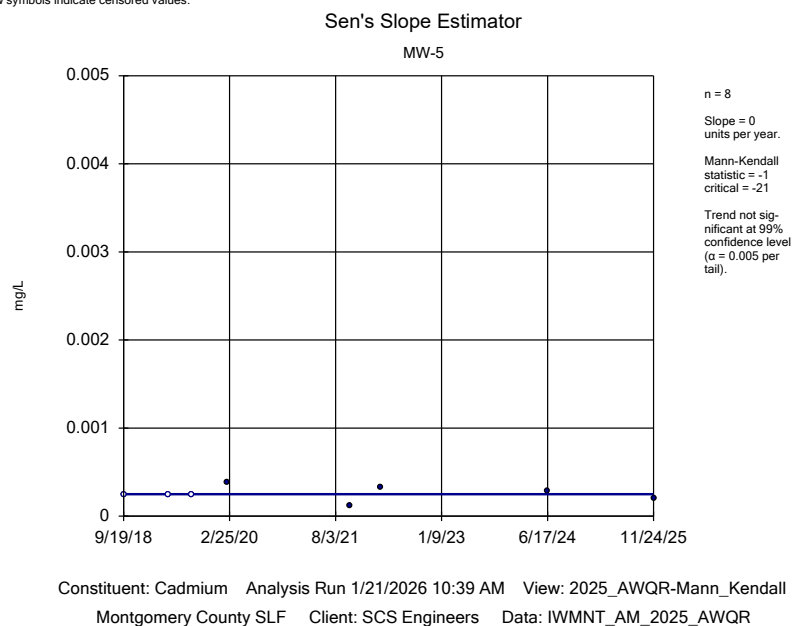
Constituent: Barium Analysis Run 1/21/2026 10:38 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



Constituent: beta-BHC Analysis Run 1/21/2026 10:38 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

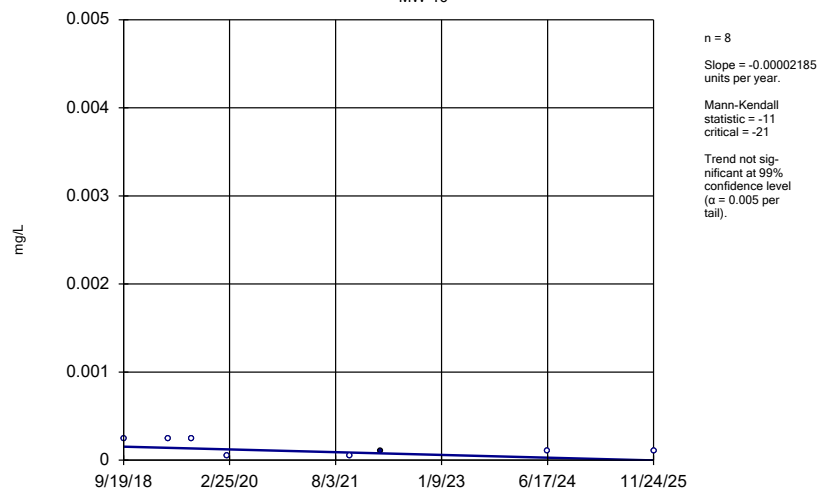


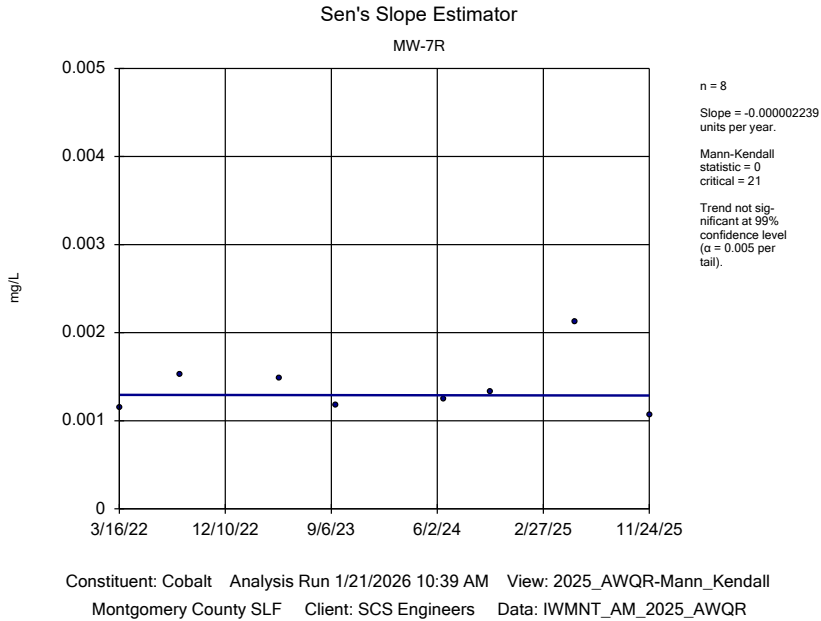
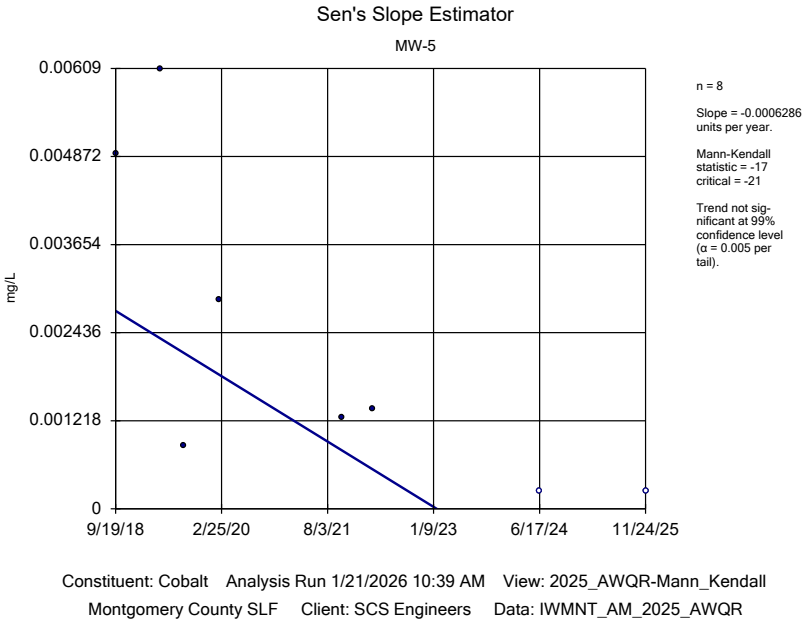
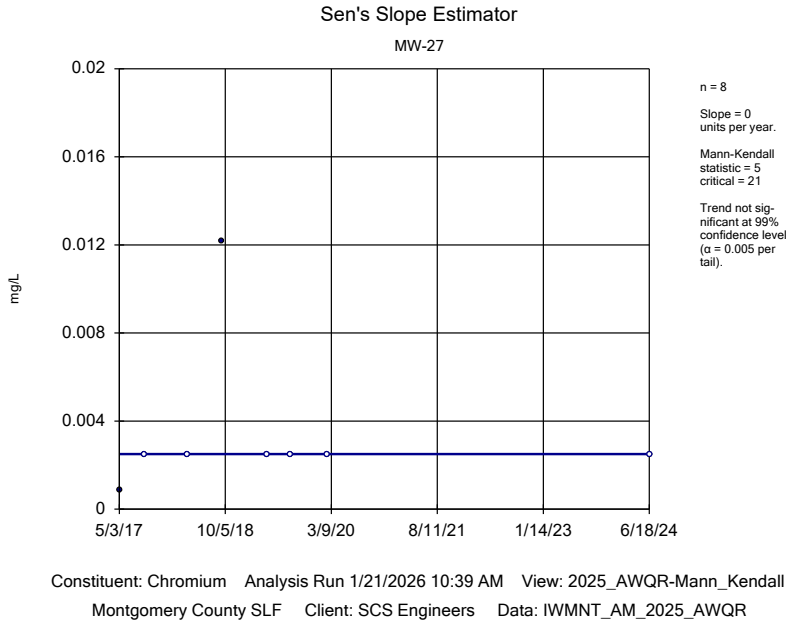
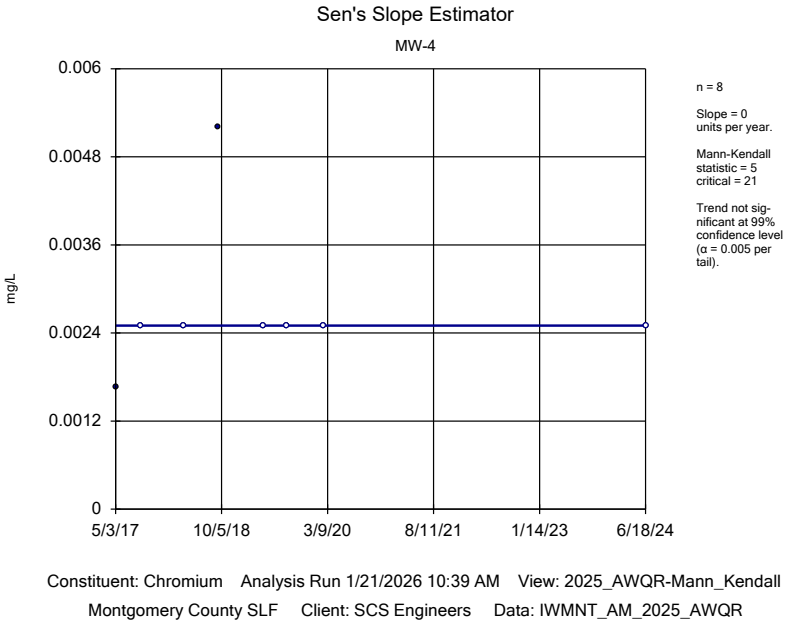
Constituent: beta-BHC Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



Sen's Slope Estimator

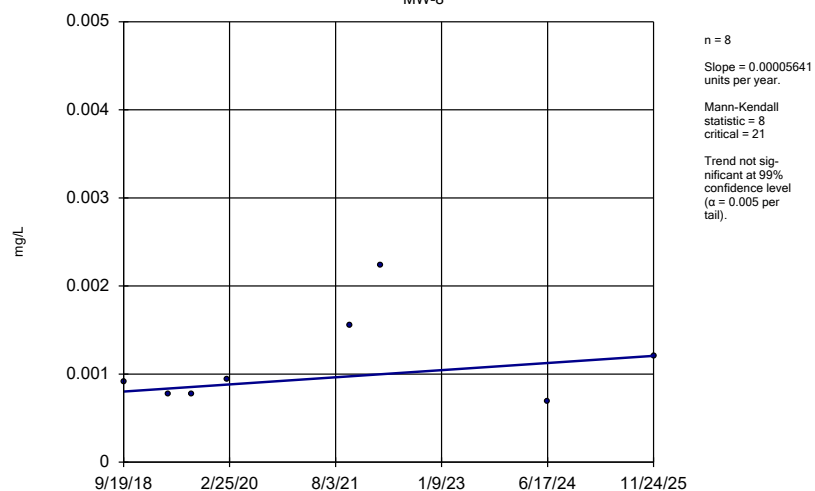
MW-16





Sen's Slope Estimator

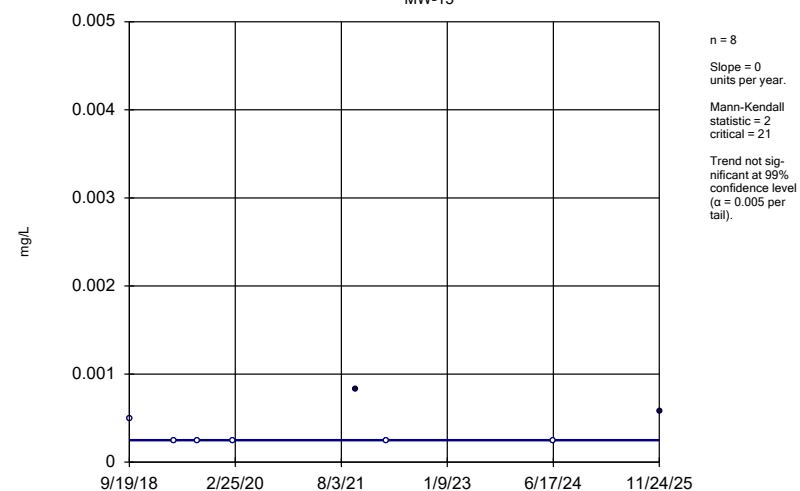
MW-8



Constituent: Cobalt Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator

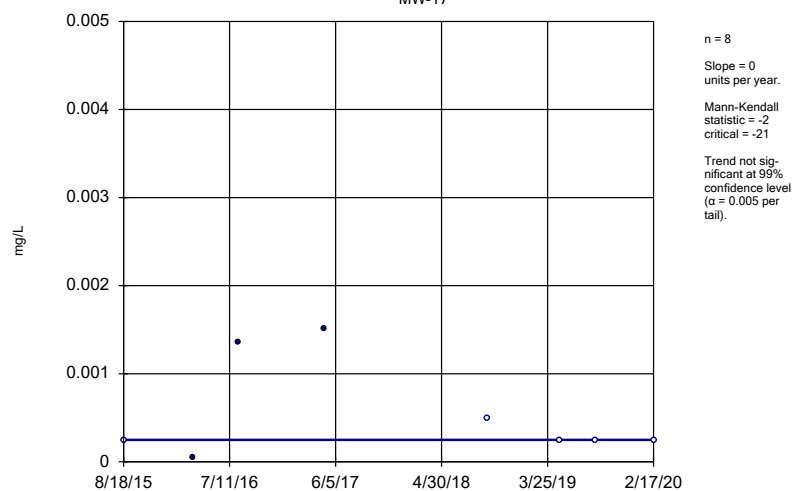
MW-15



Constituent: Cobalt Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator

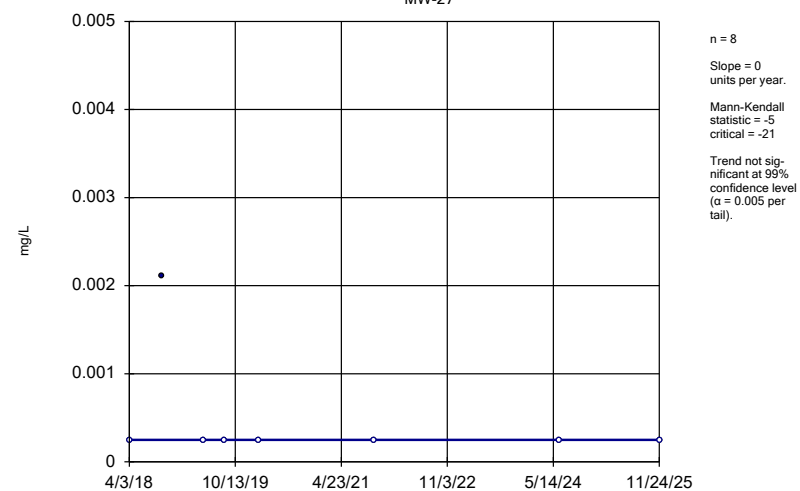
MW-17



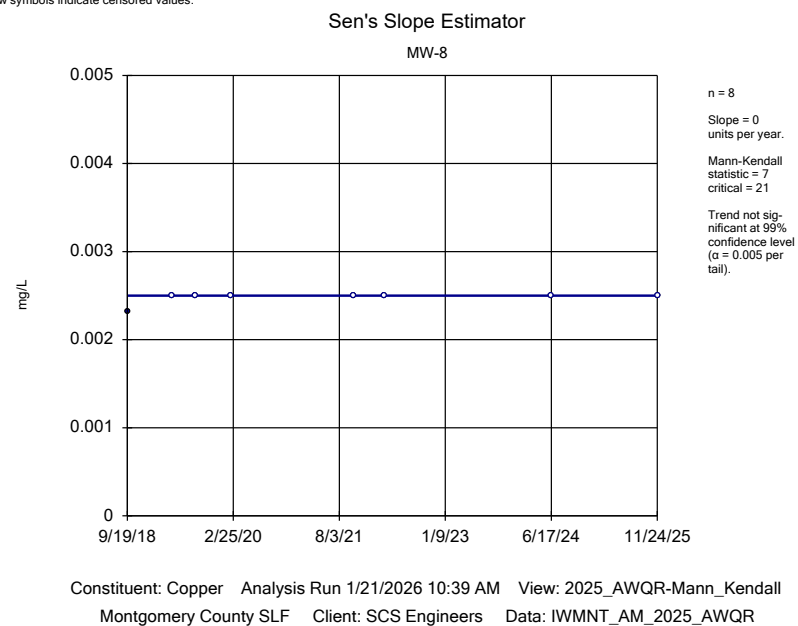
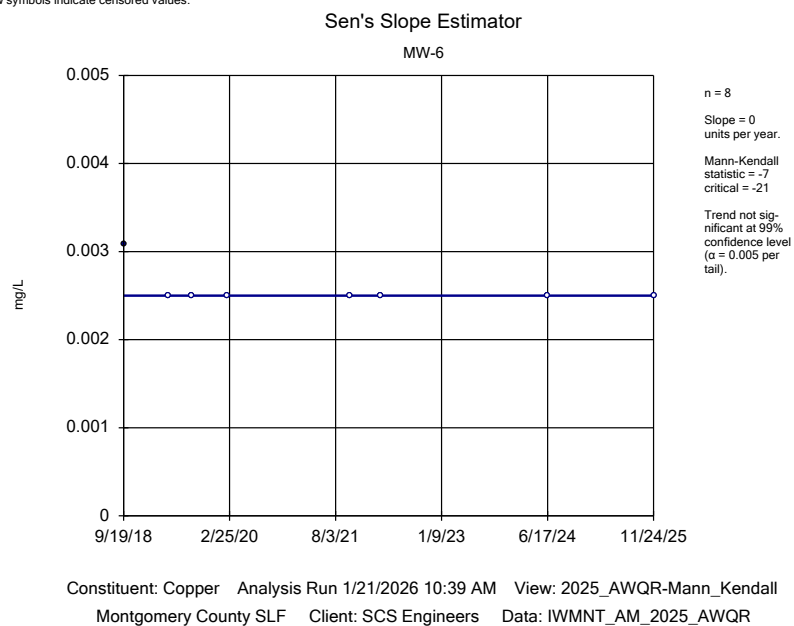
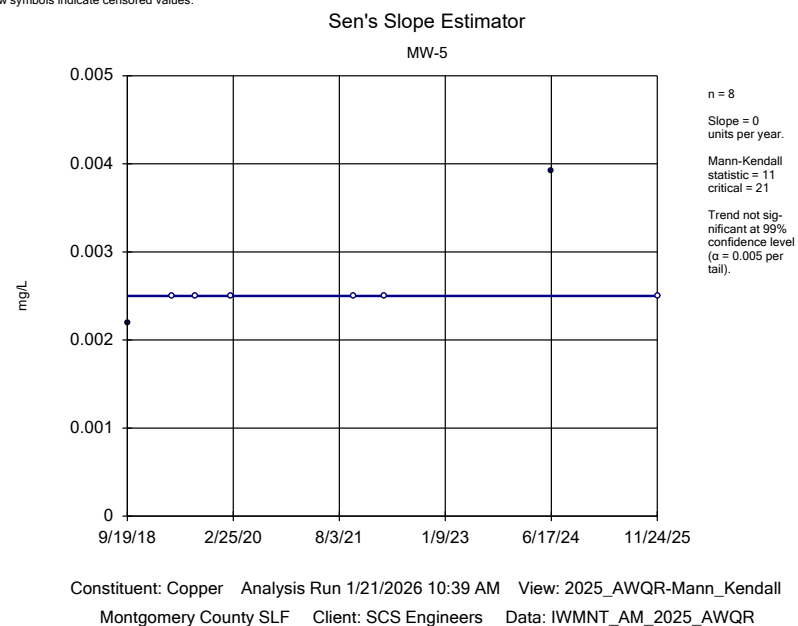
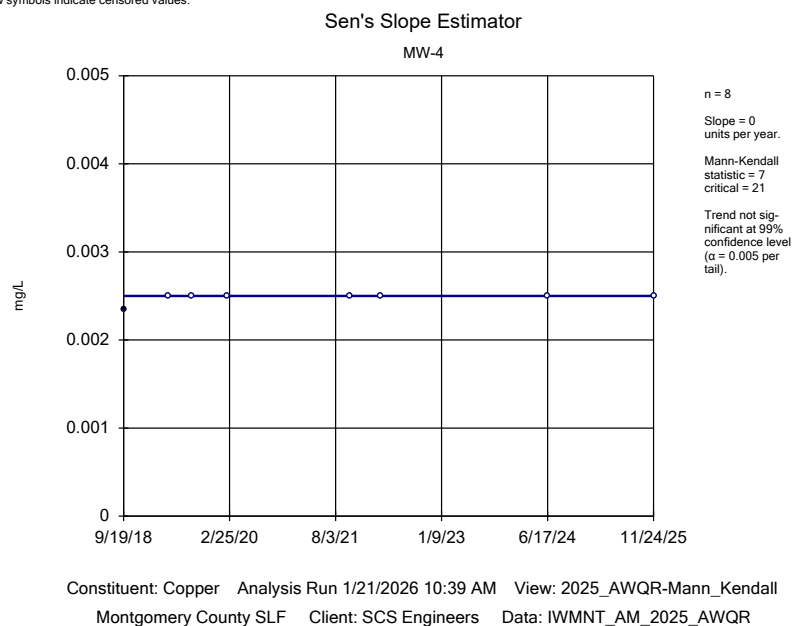
Constituent: Cobalt Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator

MW-27

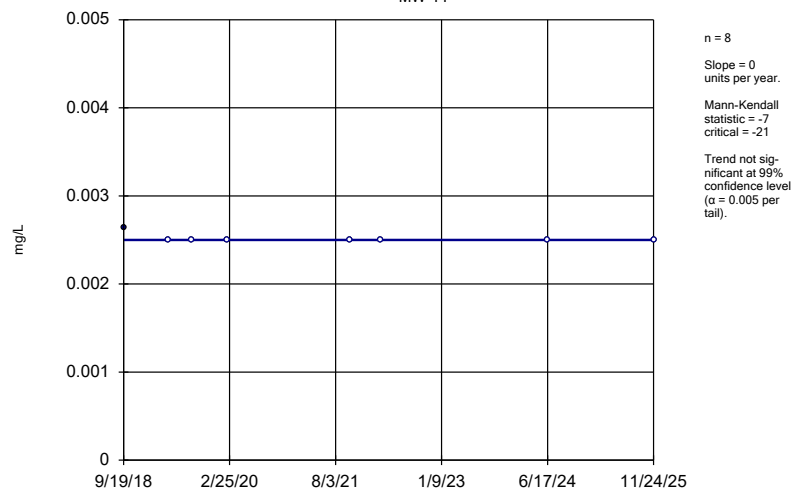


Constituent: Cobalt Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



Sen's Slope Estimator

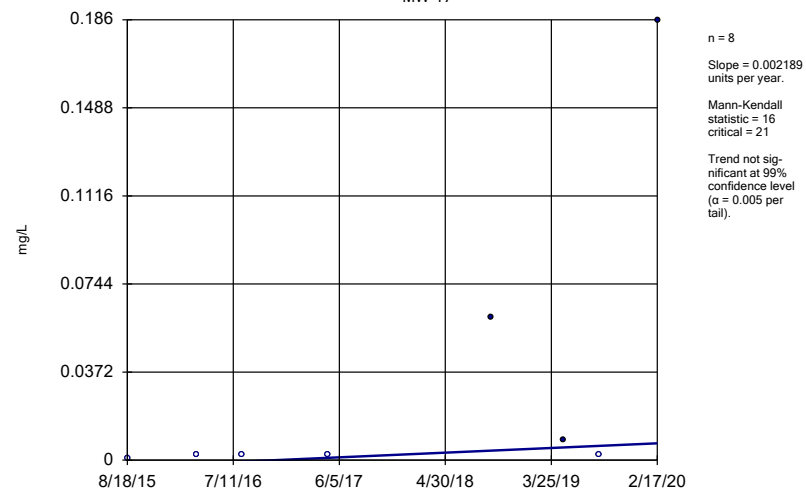
MW-14



Constituent: Copper Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator

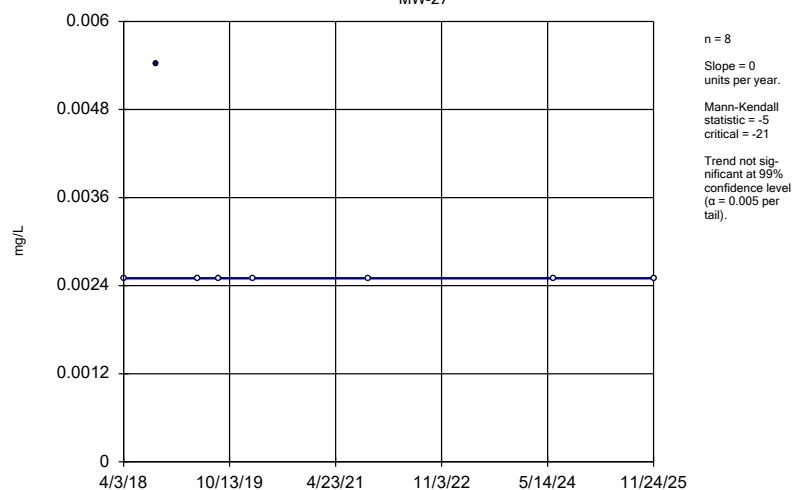
MW-17



Constituent: Copper Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator

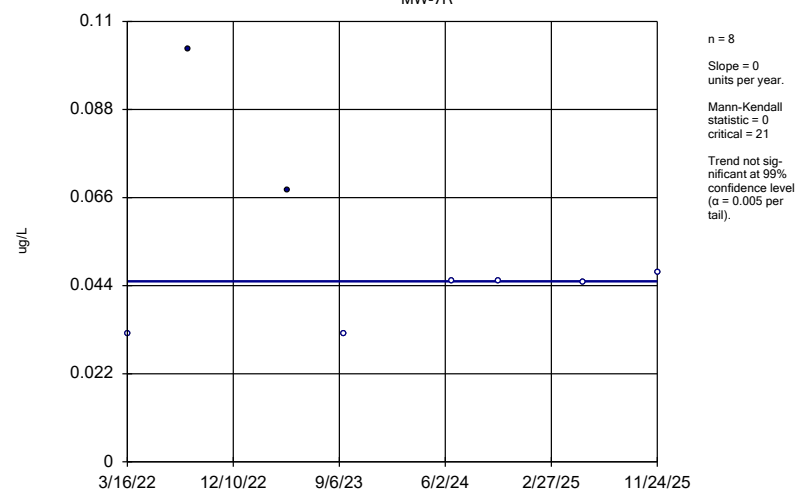
MW-27



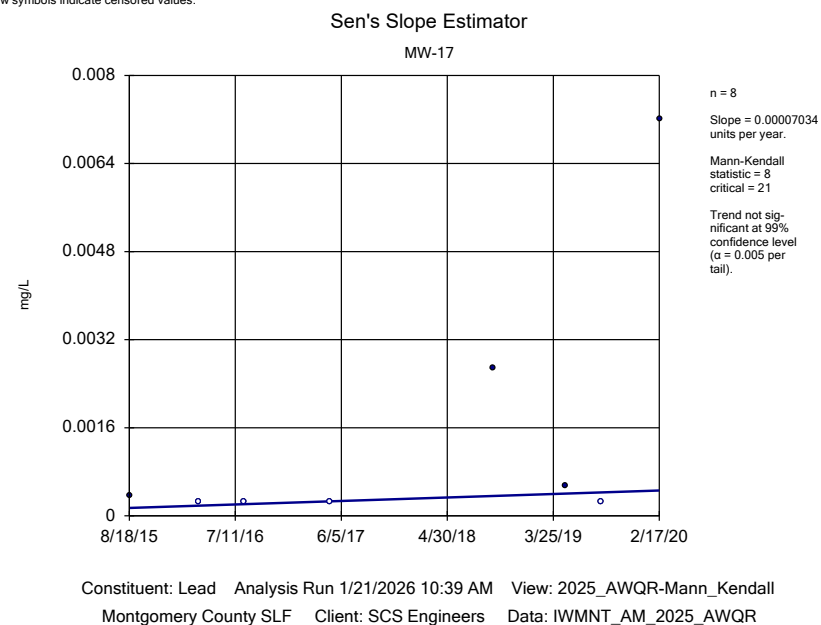
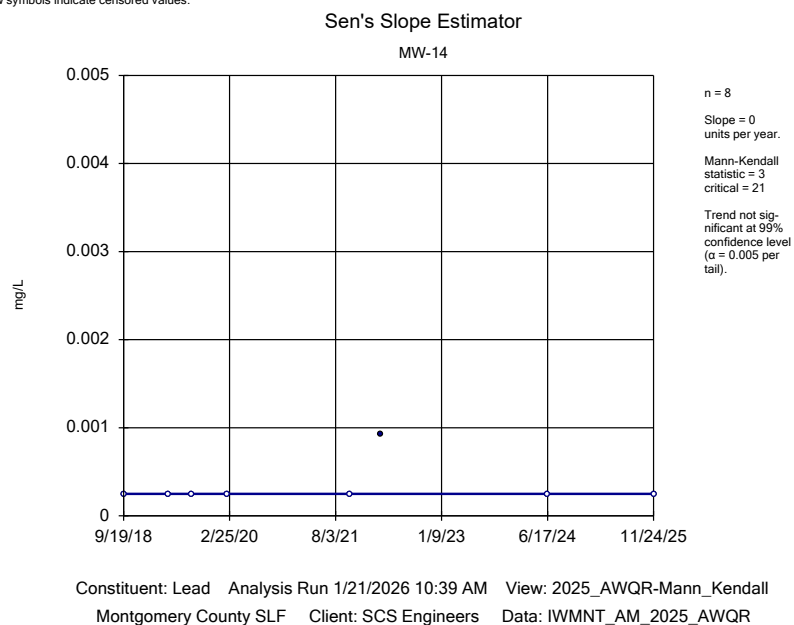
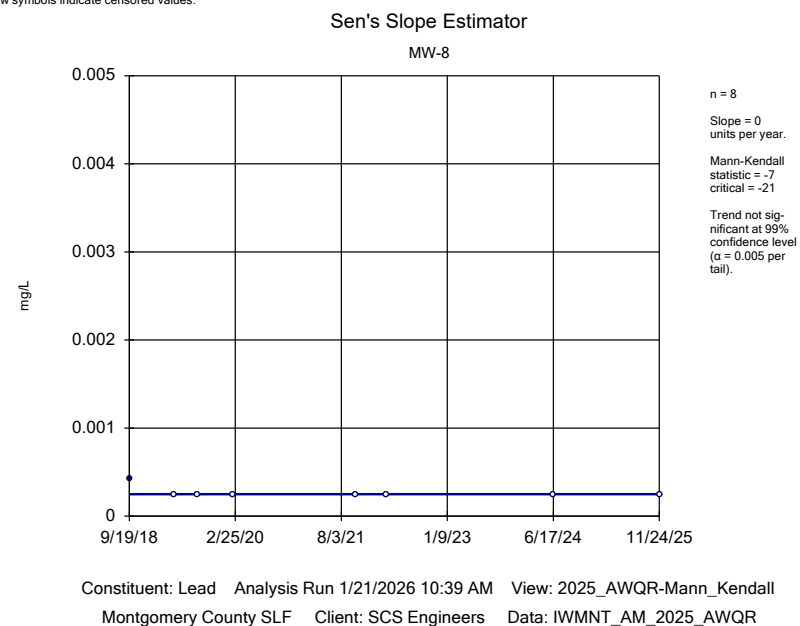
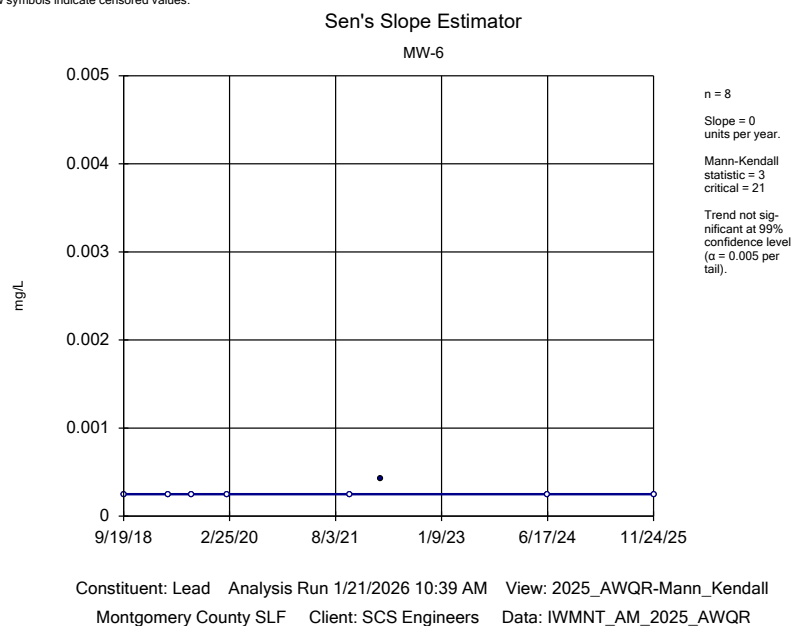
Constituent: Copper Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

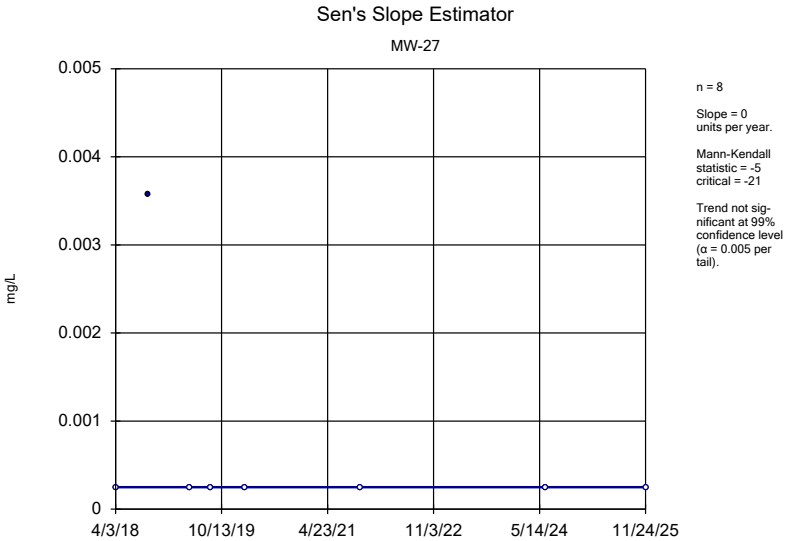
Sen's Slope Estimator

MW-7R

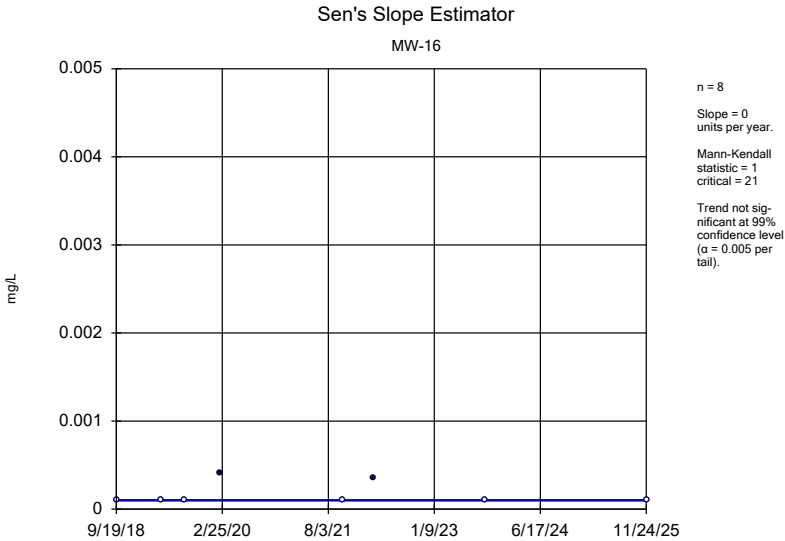


Constituent: Endosulfan I Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

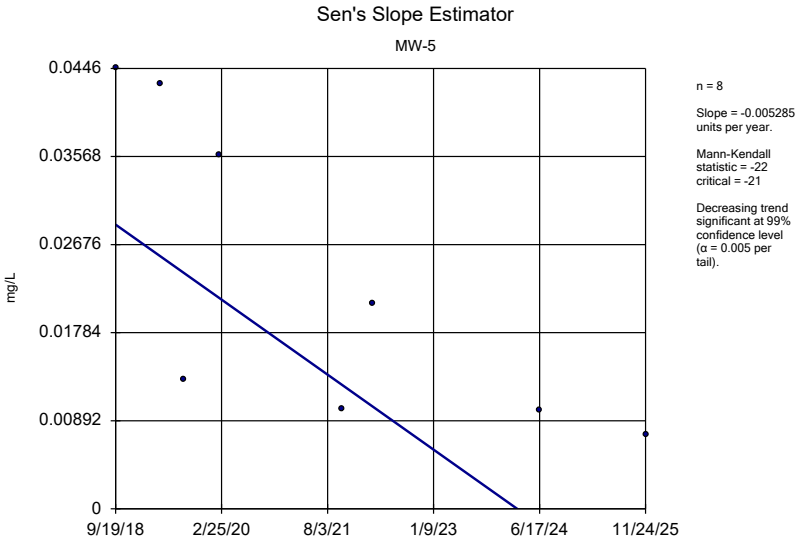




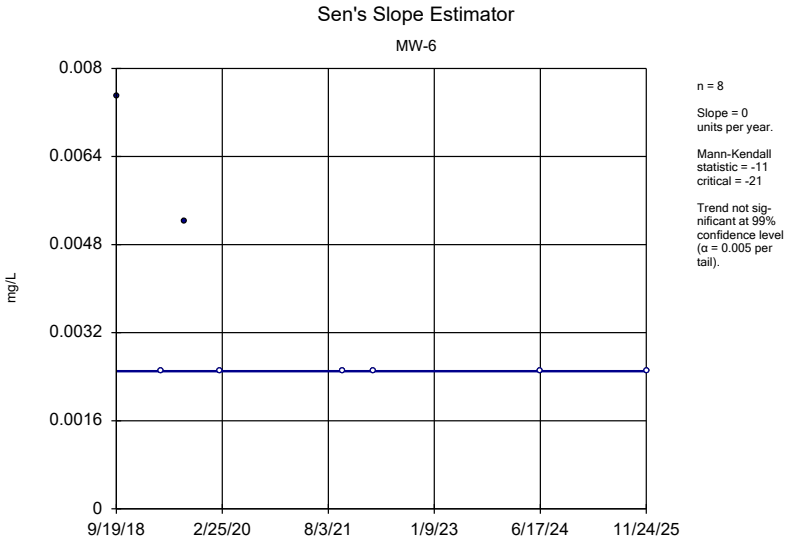
Constituent: Lead Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



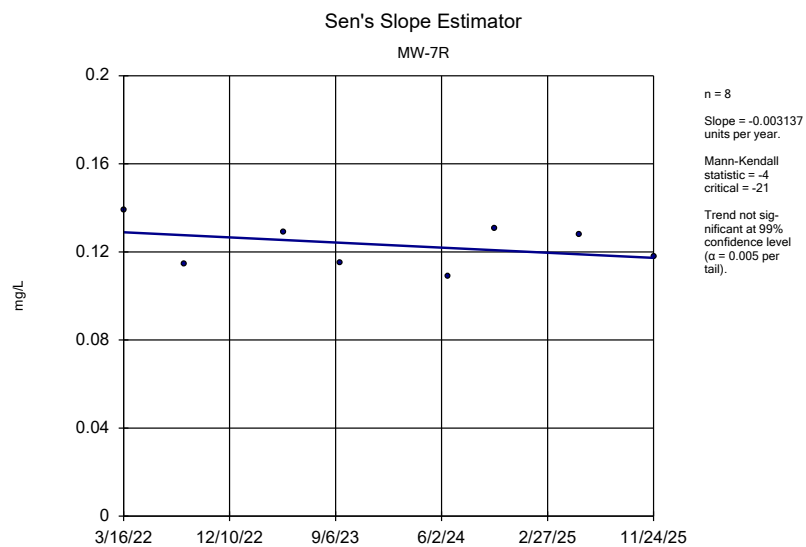
Constituent: Mercury Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



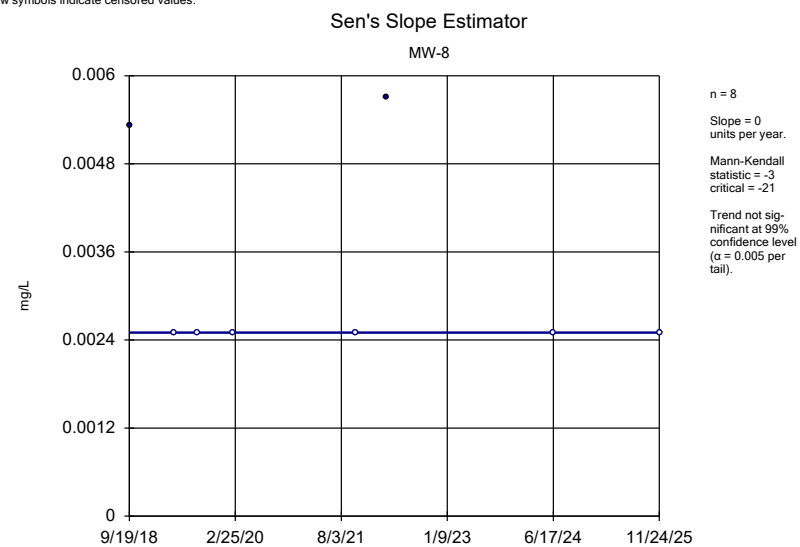
Constituent: Nickel Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



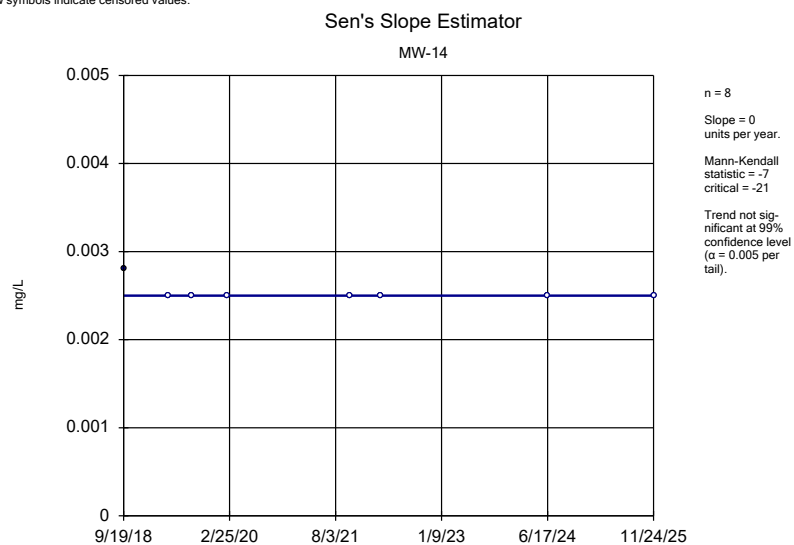
Constituent: Nickel Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



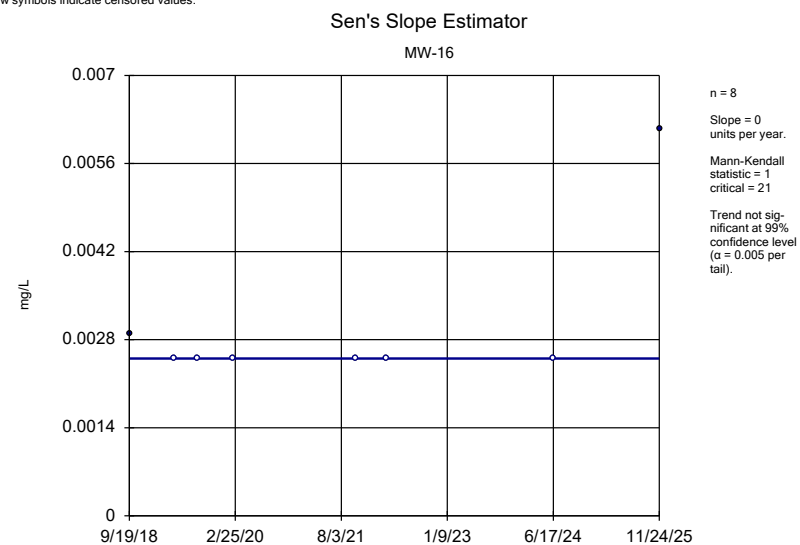
Constituent: Nickel Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



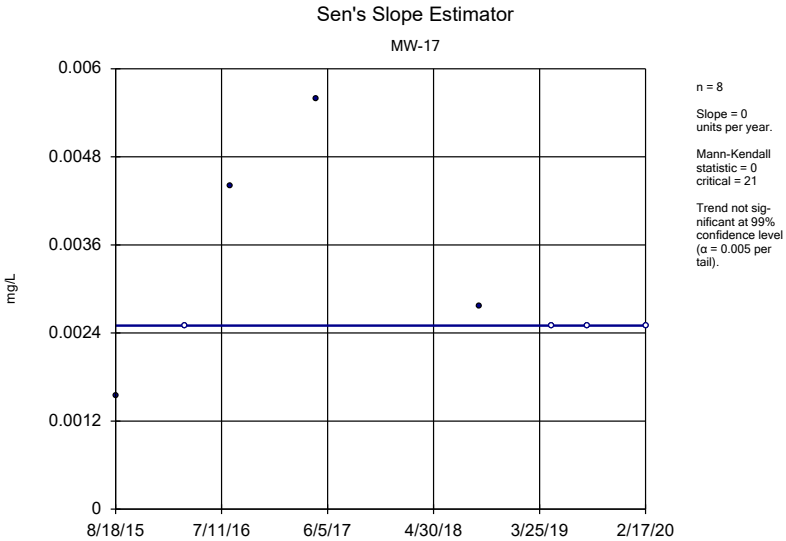
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



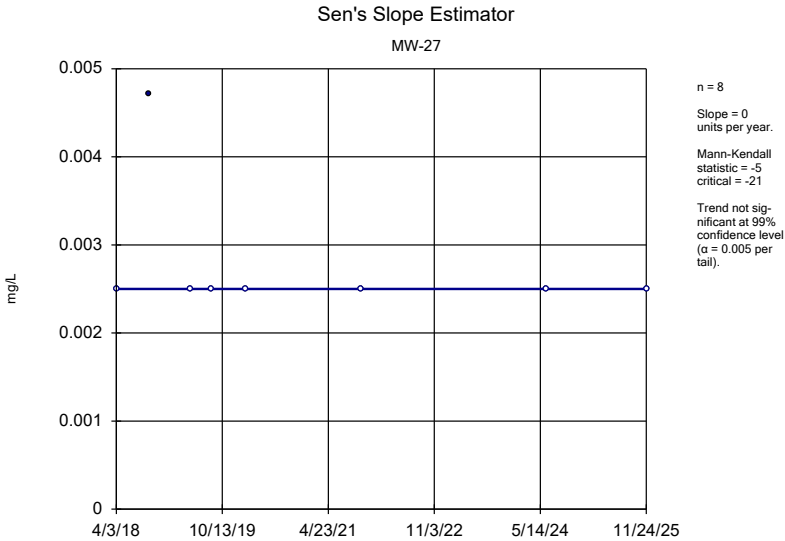
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



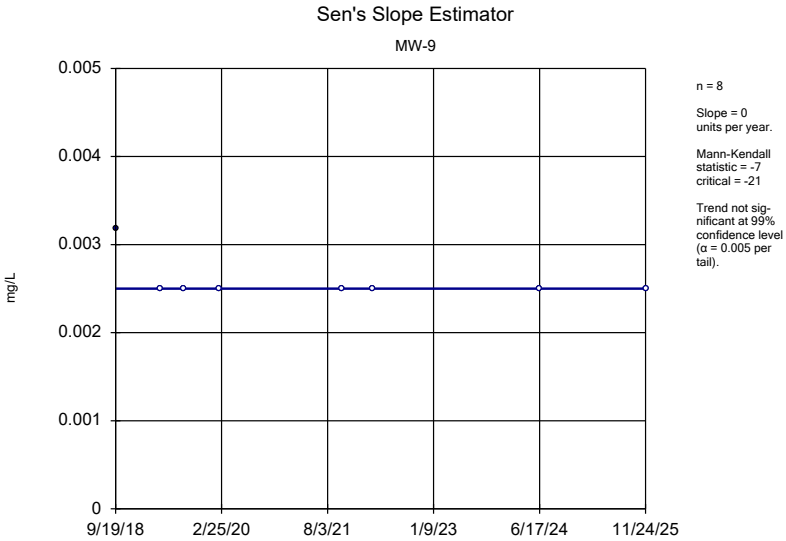
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



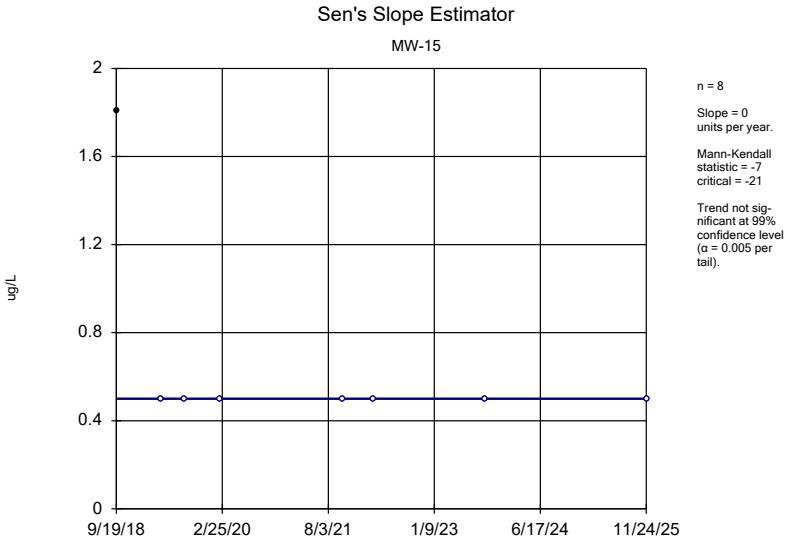
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



Constituent: Nickel Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



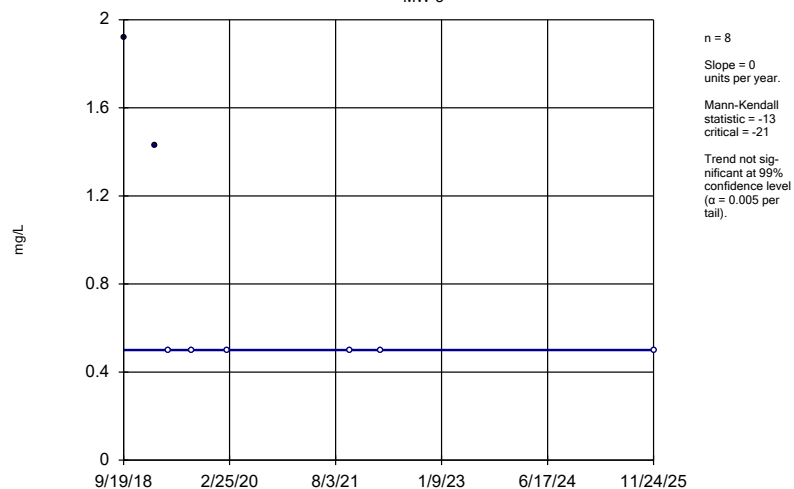
Constituent: Selenium Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



Constituent: Styrene Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator

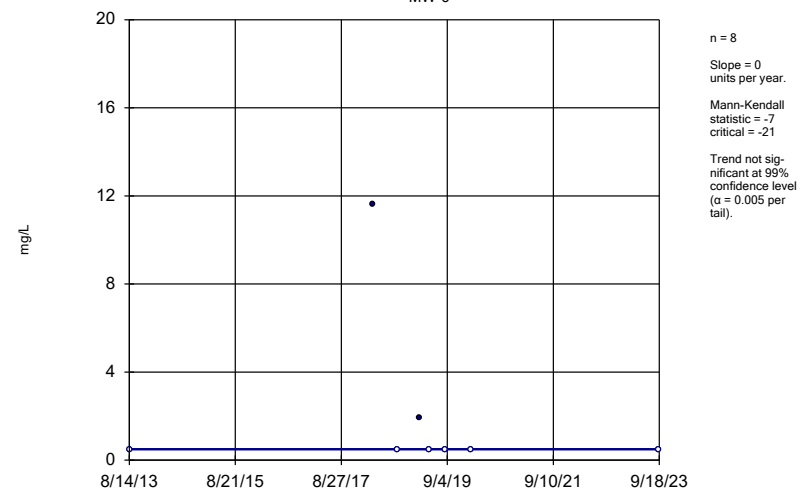
MW-5



Constituent: Sulfide Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator

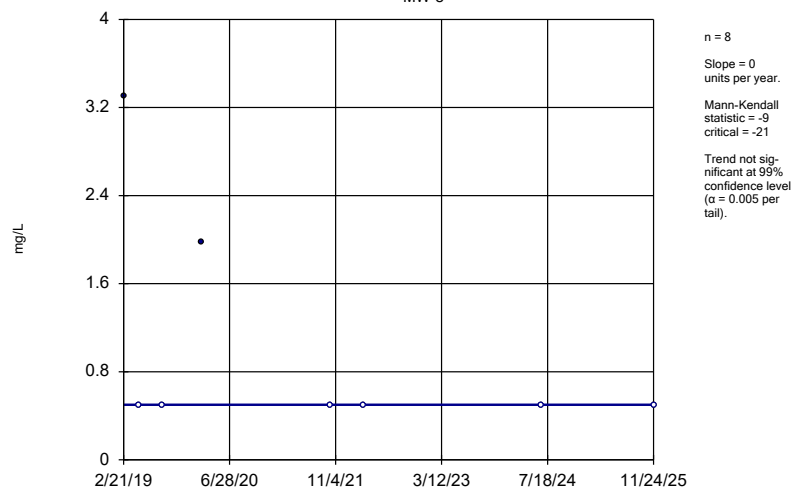
MW-6



Constituent: Sulfide Analysis Run 1/21/2026 10:39 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator

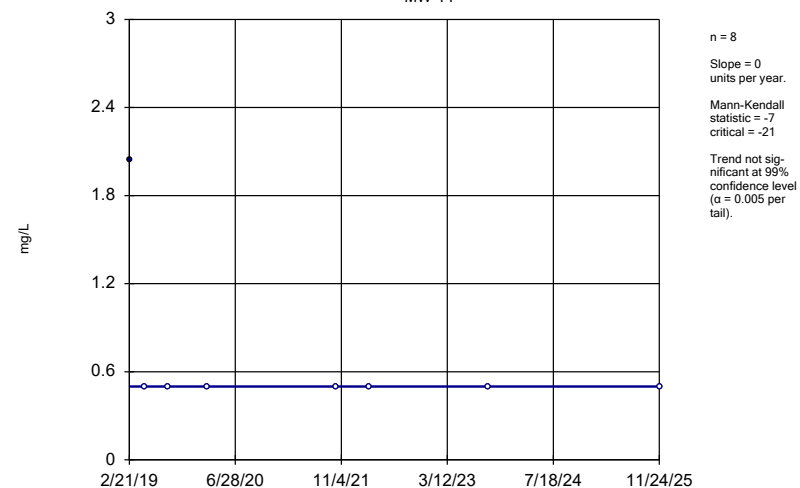
MW-8



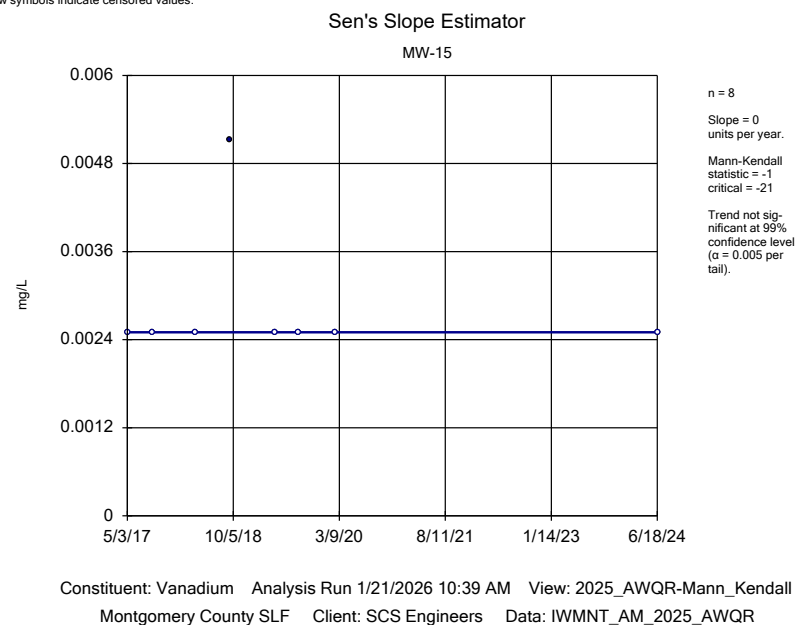
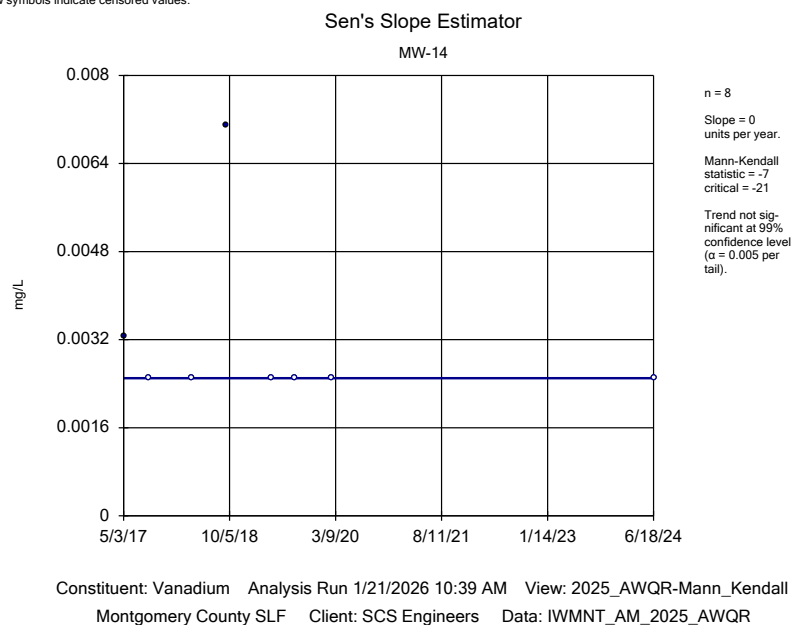
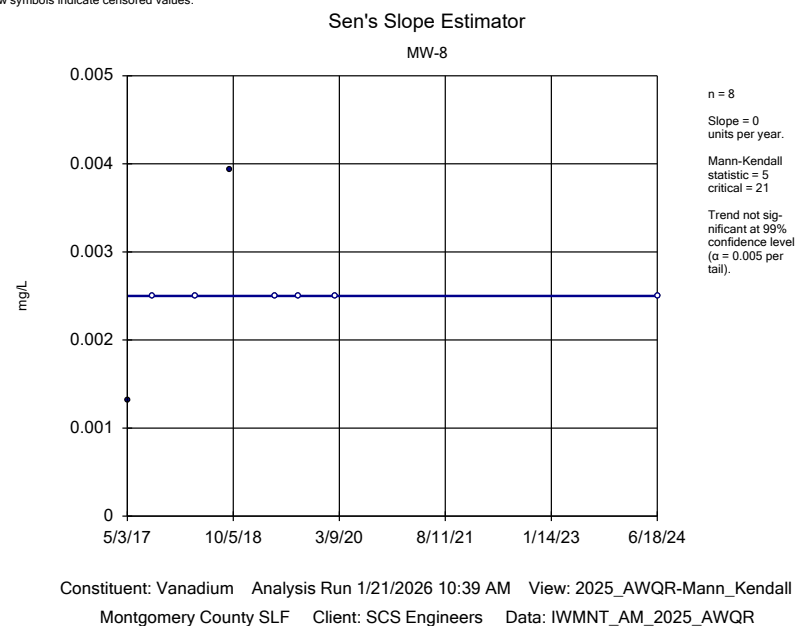
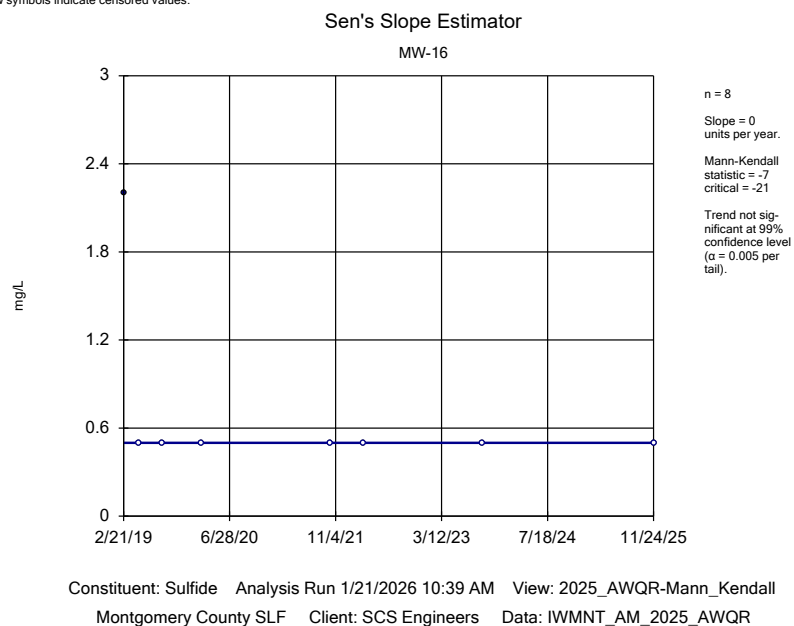
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

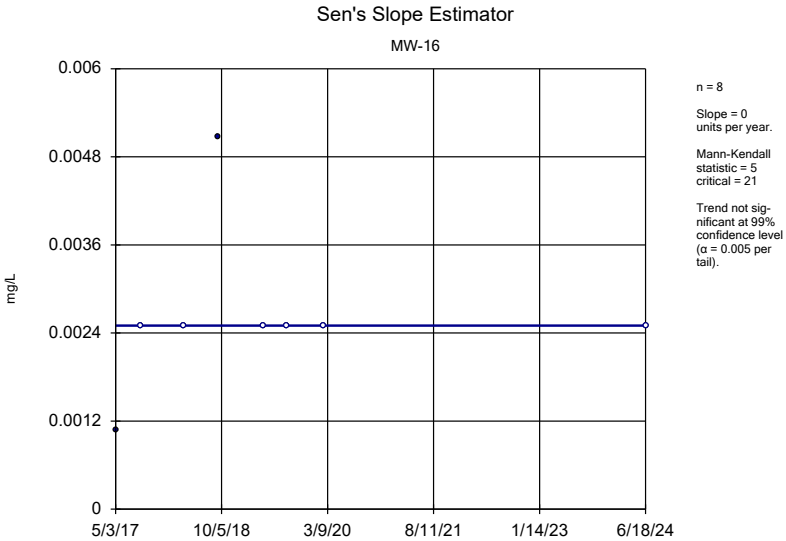
Sen's Slope Estimator

MW-14

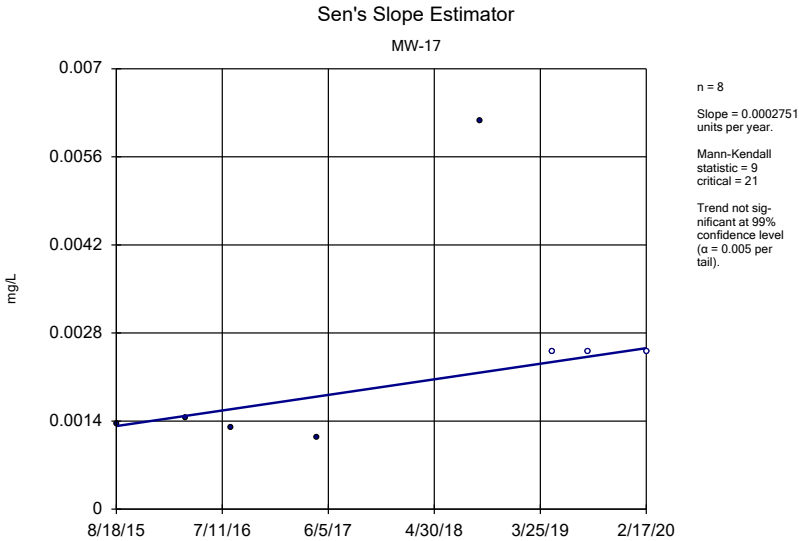


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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

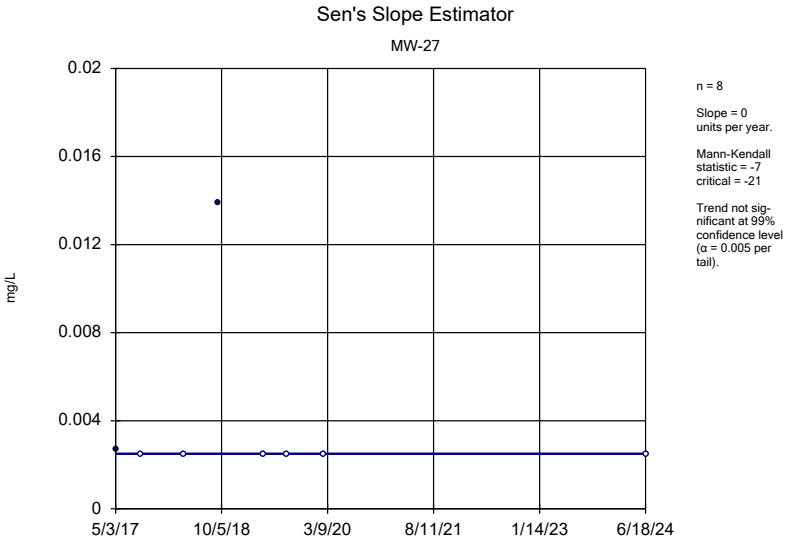




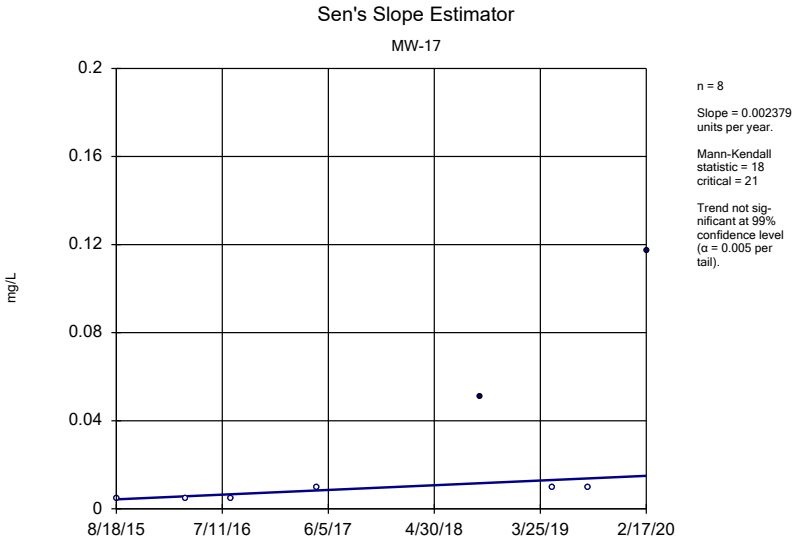
Constituent: Vanadium Analysis Run 1/21/2026 10:40 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



Constituent: Vanadium Analysis Run 1/21/2026 10:40 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

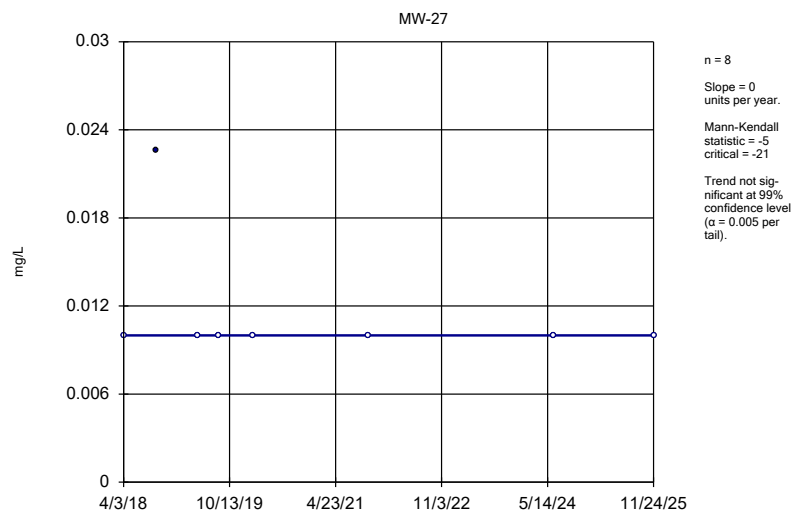


Constituent: Vanadium Analysis Run 1/21/2026 10:40 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



Constituent: Zinc Analysis Run 1/21/2026 10:40 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Sen's Slope Estimator



Constituent: Zinc Analysis Run 1/21/2026 10:40 AM View: 2025_AWQR-Mann_Kendall
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Confidence Interval Table and Graphs

Confidence Interval

Montgomery County SLF

Client: SCS Engineers

Data: IWMNT_AM_2025_AWQR

Printed 1/21/2026, 11:20 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
1,1-Dichloroethane (ug/L)	MW-7R	1.173	0.8143	140	No	8	37.5	No	0.01	Param.
1,1-Dichloroethane (ug/L)	MW-16	3.362	1.995	140	No	8	0	No	0.01	Param.
1,1-Dichloroethene (ug/L)	MW-27	3.085	1	7	No	8	87.5	No	0.004	NP (NDs)
1,2-Dichloroethane (ug/L)	MW-15	6.69	0.5	5	No	8	87.5	No	0.004	NP (NDs)
1,4-Dichlorobenzene (ug/L)	MW-16	1.82	0.76	75	No	8	37.5	No	0.01	Param.
4,4'-DDE (ug/L)	MW-16	0.121	0.016	0.51	No	5	80	No	0.031	NP (NDs)
Acetone (ug/L)	MW-17	10.2	4.83	6300	No	8	50	No	0.004	NP (normality)
Acrylonitrile (ug/L)	MW-15	21.8	2.5	10	No	8	87.5	No	0.004	NP (NDs)
alpha-BHC (ug/L)	MW-7R	0.157	0.02965	0.0696	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-4	0.0016	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-5	0.00221	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-6	0.00275	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-8	0.00221	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-9	0.00184	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-14	0.00361	0.001	0.01	No	8	75	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-15	0.00181	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-16	0.00246	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-17	0.00253	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-27	0.00271	0.001	0.01	No	8	87.5	No	0.004	NP (NDs)
Barium (mg/L)	MW-4	0.198	0.1875	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-6	0.2164	0.1491	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-7R	1.669	1.26	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-8	0.1314	0.1054	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-9	0.1706	0.1425	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-14	0.9043	0.7542	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-16	0.6485	0.541	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-17	0.6068	0.4287	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-27	0.3296	0.2725	2	No	8	0	No	0.01	Param.
beta-BHC (ug/L)	MW-7R	0.602	0.032	0.042	No	8	75	No	0.004	NP (NDs)
beta-BHC (ug/L)	MW-16	2.06	0.0176	0.042	No	8	62.5	No	0.004	NP (NDs)
Cadmium (mg/L)	MW-5	0.0003647	0.0001657	0.005	No	8	37.5	No	0.01	Param.
Cadmium (mg/L)	MW-7R	0.00493	0.0001	0.005	No	8	50	No	0.004	NP (normality)
Cadmium (mg/L)	MW-9	0.000379	0.00005	0.005	No	8	75	No	0.004	NP (NDs)
Cadmium (mg/L)	MW-14	0.00025	0.00005	0.005	No	8	87.5	No	0.004	NP (NDs)
Cadmium (mg/L)	MW-16	0.00025	0.00005	0.005	No	8	87.5	No	0.004	NP (NDs)
Cadmium (mg/L)	MW-17	0.00025	0.000093	0.005	No	8	75	No	0.004	NP (NDs)
Carbon disulfide (ug/L)	MW-15	1.47	0.5	700	No	8	87.5	No	0.004	NP (NDs)
Chlorobenzene (ug/L)	MW-16	5.068	0.1796	100	No	8	25	No	0.01	Param.
Chromium (mg/L)	MW-4	0.00521	0.00166	0.1	No	8	75	No	0.004	NP (NDs)
Chromium (mg/L)	MW-27	0.0122	0.000877	0.1	No	8	75	No	0.004	NP (NDs)
Cobalt (mg/L)	MW-5	0.004421	0.0001871	0.0021	No	8	25	No	0.01	Param.
Cobalt (mg/L)	MW-7R	0.001749	0.001028	0.0021	No	8	0	No	0.01	Param.
Cobalt (mg/L)	MW-8	0.001691	0.0005783	0.0021	No	8	0	No	0.01	Param.
Cobalt (mg/L)	MW-15	0.00083	0.00025	0.0021	No	8	75	No	0.004	NP (NDs)
Cobalt (mg/L)	MW-17	0.00151	0.000055	0.0021	No	8	62.5	No	0.004	NP (NDs)
Cobalt (mg/L)	MW-27	0.00211	0.00025	0.0021	No	8	87.5	No	0.004	NP (NDs)
Copper (mg/L)	MW-4	0.0025	0.00234	1.3	No	8	87.5	No	0.004	NP (NDs)
Copper (mg/L)	MW-5	0.003915	0.0022	1.3	No	8	75	No	0.004	NP (NDs)
Copper (mg/L)	MW-6	0.00308	0.0025	1.3	No	8	87.5	No	0.004	NP (NDs)
Copper (mg/L)	MW-8	0.0025	0.002325	1.3	No	8	87.5	No	0.004	NP (NDs)

Confidence Interval

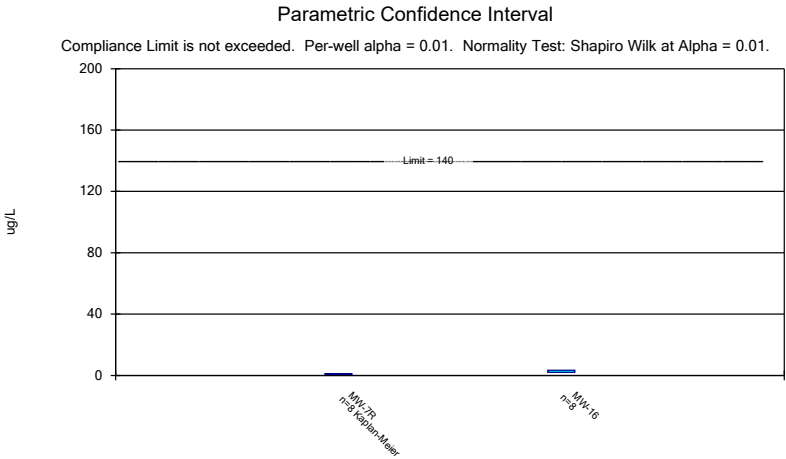
Montgomery County SLF

Client: SCS Engineers

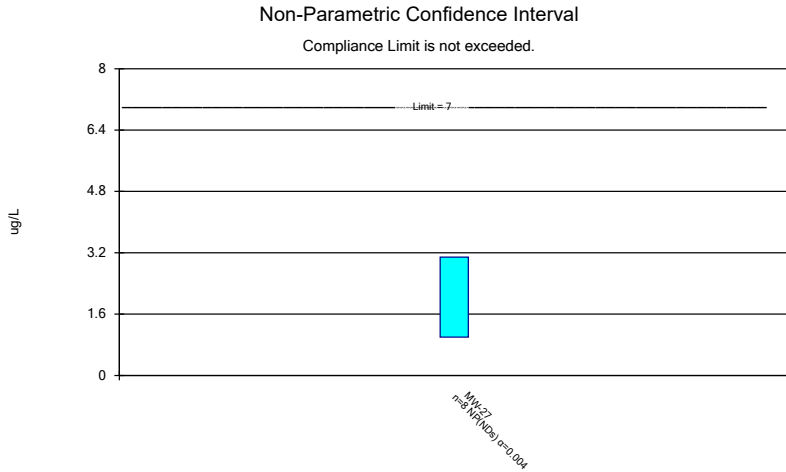
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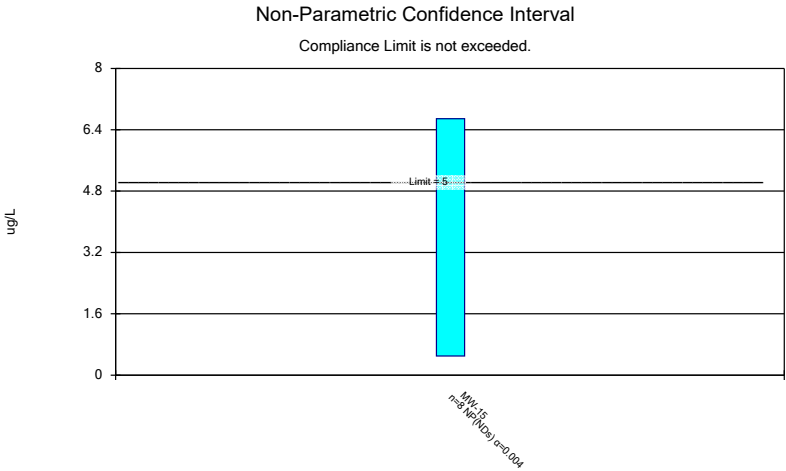
<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Copper (mg/L)	MW-14	0.00264	0.0025	1.3	No	8	87.5	No	0.004	NP (NDs)
Copper (mg/L)	MW-17	0.186	0.001	1.3	No	8	62.5	No	0.004	NP (NDs)
Copper (mg/L)	MW-27	0.00543	0.0025	1.3	No	8	87.5	No	0.004	NP (NDs)
Endosulfan I (ug/L)	MW-7R	0.103	0.032	42	No	8	75	No	0.004	NP (NDs)
Lead (mg/L)	MW-6	0.0004275	0.00025	0.015	No	8	87.5	No	0.004	NP (NDs)
Lead (mg/L)	MW-8	0.000422	0.00025	0.015	No	8	87.5	No	0.004	NP (NDs)
Lead (mg/L)	MW-14	0.000933	0.00025	0.015	No	8	87.5	No	0.004	NP (NDs)
Lead (mg/L)	MW-17	0.00722	0.00025	0.015	No	8	50	No	0.004	NP (normality)
Lead (mg/L)	MW-27	0.00357	0.00025	0.015	No	8	87.5	No	0.004	NP (NDs)
Mercury (mg/L)	MW-16	0.000408	0.0001	0.002	No	8	75	No	0.004	NP (NDs)
Nickel (mg/L)	MW-6	0.0075	0.0025	0.1	No	8	75	No	0.004	NP (NDs)
Nickel (mg/L)	MW-7R	0.1337	0.112	0.1	Yes	8	0	No	0.01	Param.
Nickel (mg/L)	MW-8	0.0057	0.0025	0.1	No	8	75	No	0.004	NP (NDs)
Nickel (mg/L)	MW-14	0.00281	0.0025	0.1	No	8	87.5	No	0.004	NP (NDs)
Nickel (mg/L)	MW-16	0.00616	0.0025	0.1	No	8	75	No	0.004	NP (NDs)
Nickel (mg/L)	MW-17	0.004738	0.00174	0.1	No	8	50	No	0.01	Param.
Nickel (mg/L)	MW-27	0.00472	0.0025	0.1	No	8	87.5	No	0.004	NP (NDs)
Selenium (mg/L)	MW-9	0.00318	0.0025	0.05	No	8	87.5	No	0.004	NP (NDs)
Styrene (ug/L)	MW-15	1.81	0.5	100	No	8	87.5	No	0.004	NP (NDs)
Sulfide (mg/L)	MW-5	1.92	0.5	1	No	8	75	No	0.004	NP (NDs)
Sulfide (mg/L)	MW-6	11.6	0.5	1	No	8	75	No	0.004	NP (NDs)
Sulfide (mg/L)	MW-8	3.3	0.5	1	No	8	75	No	0.004	NP (NDs)
Sulfide (mg/L)	MW-14	2.04	0.5	1	No	8	87.5	No	0.004	NP (NDs)
Sulfide (mg/L)	MW-16	2.2	0.5	1	No	8	87.5	No	0.004	NP (NDs)
Vanadium (mg/L)	MW-8	0.00394	0.00131	0.035	No	8	75	No	0.004	NP (NDs)
Vanadium (mg/L)	MW-14	0.0071	0.0025	0.035	No	8	75	No	0.004	NP (NDs)
Vanadium (mg/L)	MW-15	0.00512	0.0025	0.035	No	8	87.5	No	0.004	NP (NDs)
Vanadium (mg/L)	MW-16	0.00507	0.00108	0.035	No	8	75	No	0.004	NP (NDs)
Vanadium (mg/L)	MW-17	0.00617	0.00114	0.035	No	8	37.5	No	0.004	NP (normality)
Vanadium (mg/L)	MW-27	0.0139	0.0025	0.035	No	8	75	No	0.004	NP (NDs)
Zinc (mg/L)	MW-17	0.117	0.005	2	No	8	75	No	0.004	NP (NDs)
Zinc (mg/L)	MW-27	0.0226	0.01	2	No	8	87.5	No	0.004	NP (NDs)



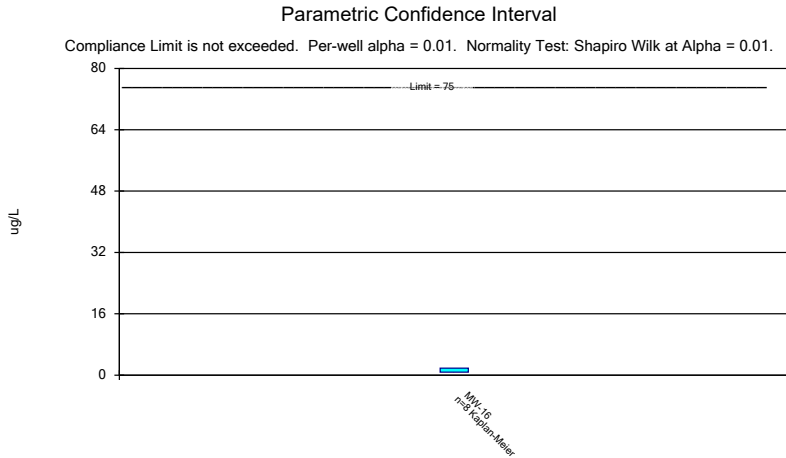
Constituent: 1,1-Dichloroethane Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interv
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



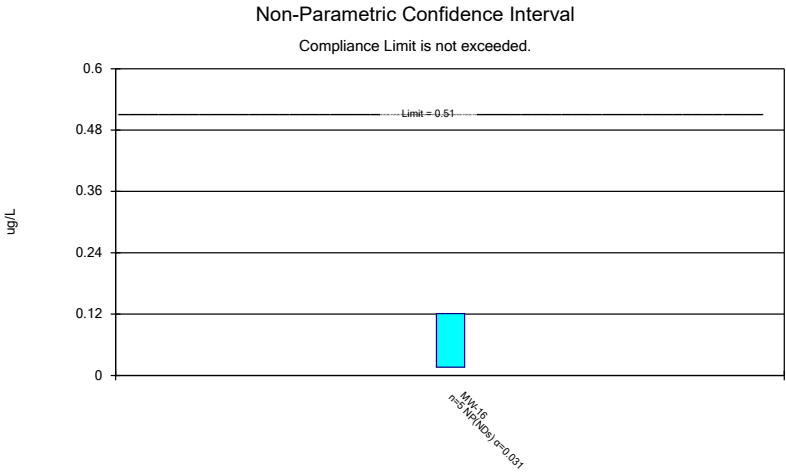
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



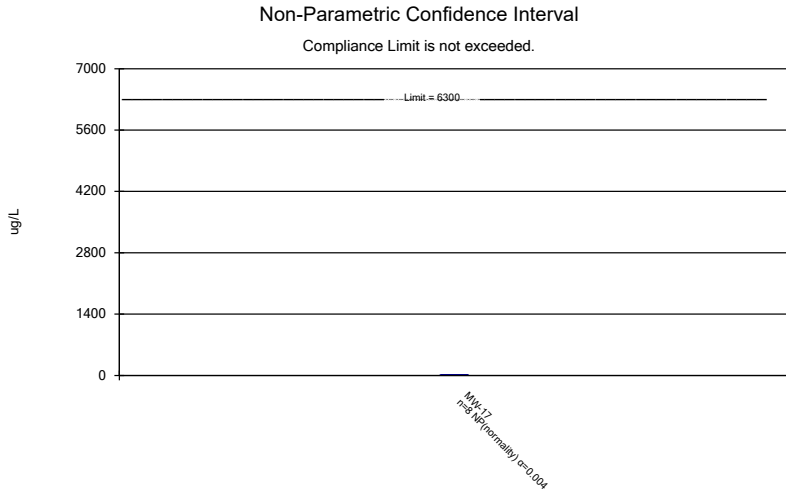
Constituent: 1,2-Dichloroethane Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interv
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



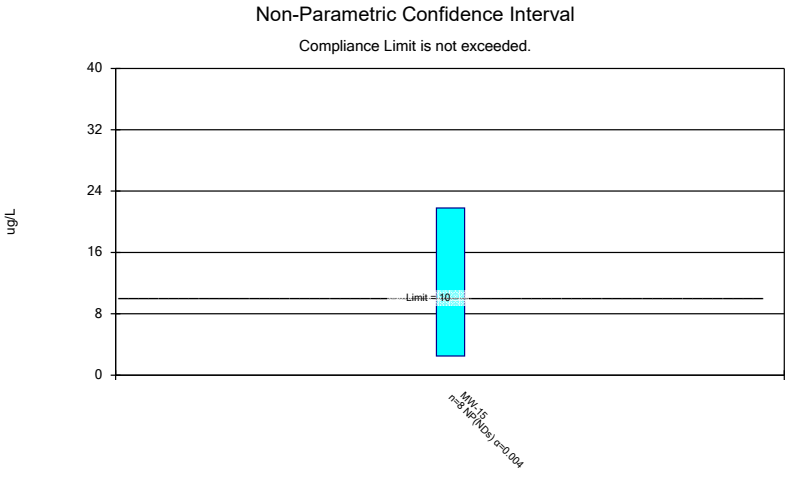
Constituent: 1,4-Dichlorobenzene Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Inte
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



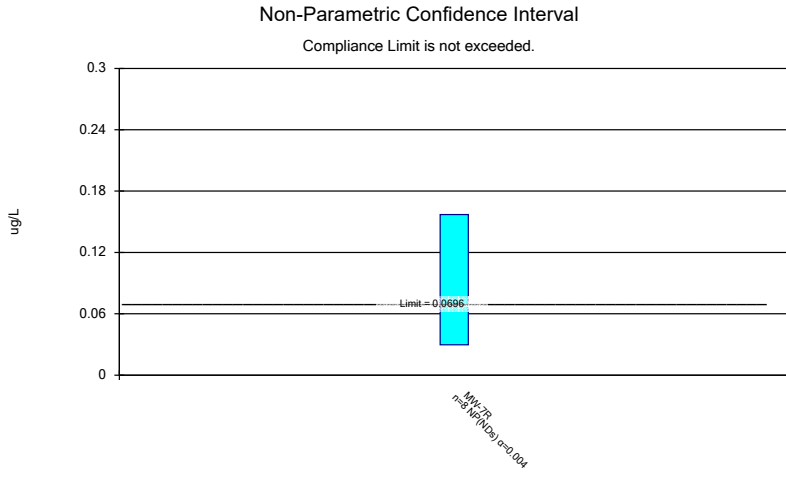
Constituent: 4,4'-DDE Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



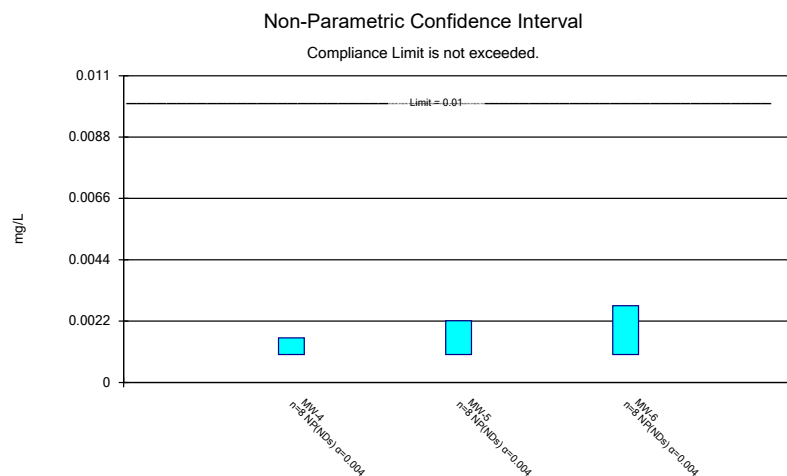
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



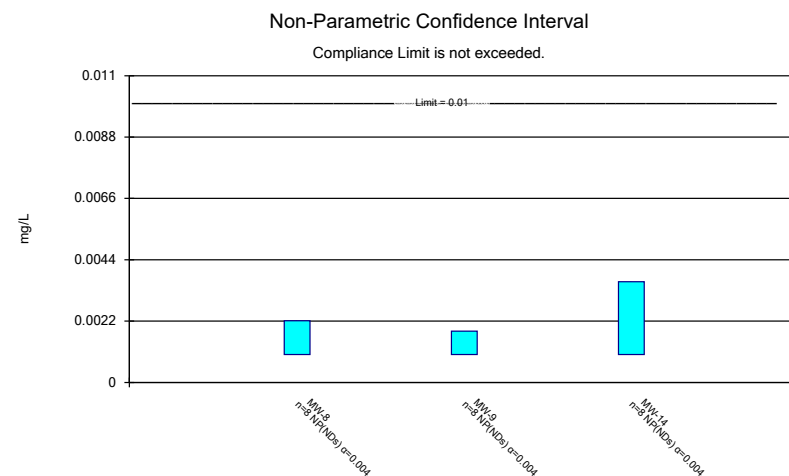
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



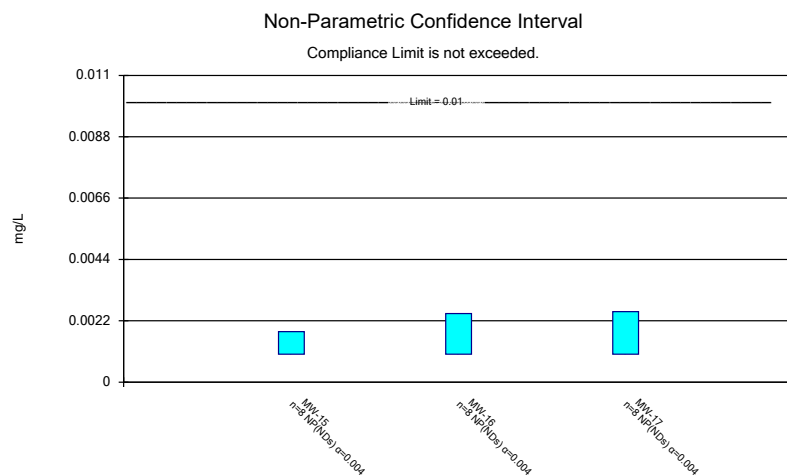
Constituent: alpha-BHC Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



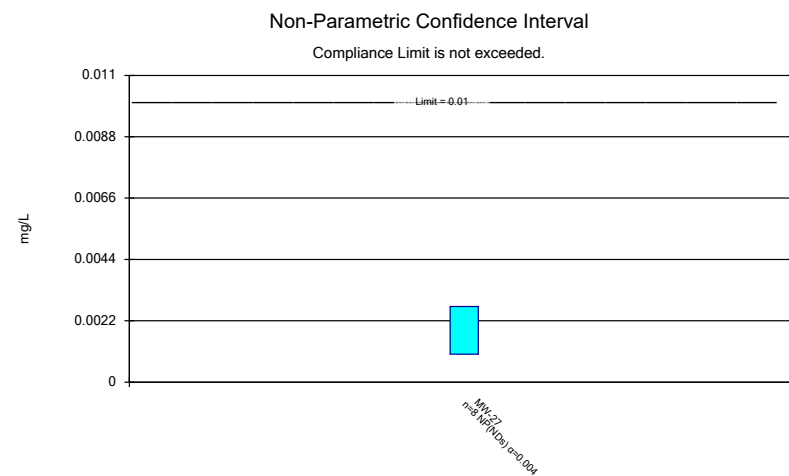
Constituent: Arsenic Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



Constituent: Arsenic Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



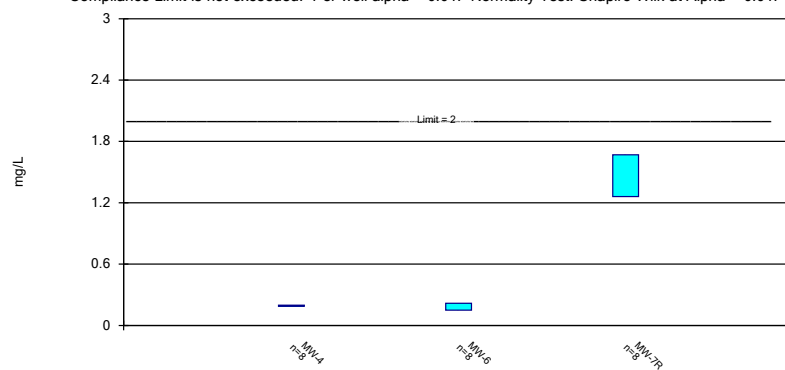
Constituent: Arsenic Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



Constituent: Arsenic Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Parametric Confidence Interval

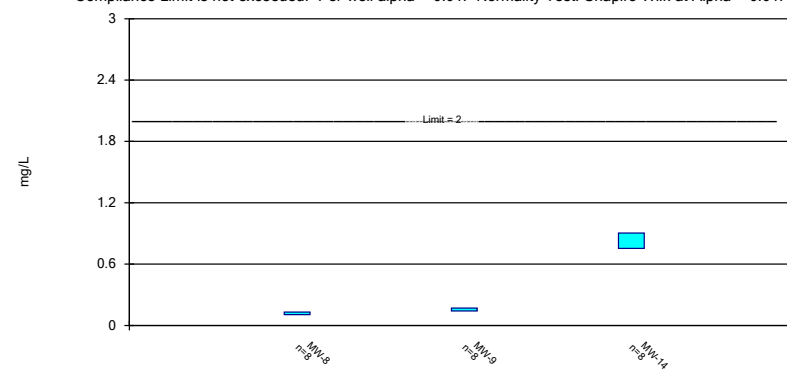
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Barium Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Parametric Confidence Interval

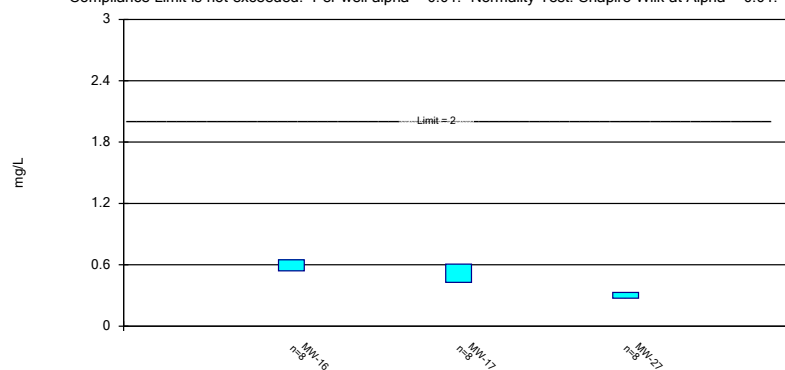
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Barium Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Parametric Confidence Interval

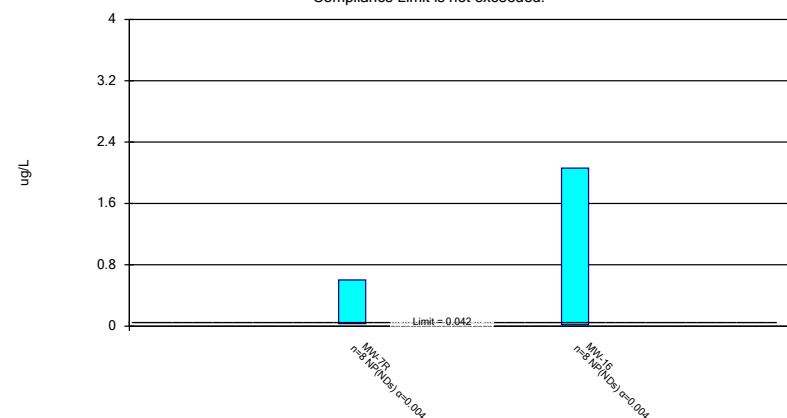
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Barium Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Non-Parametric Confidence Interval

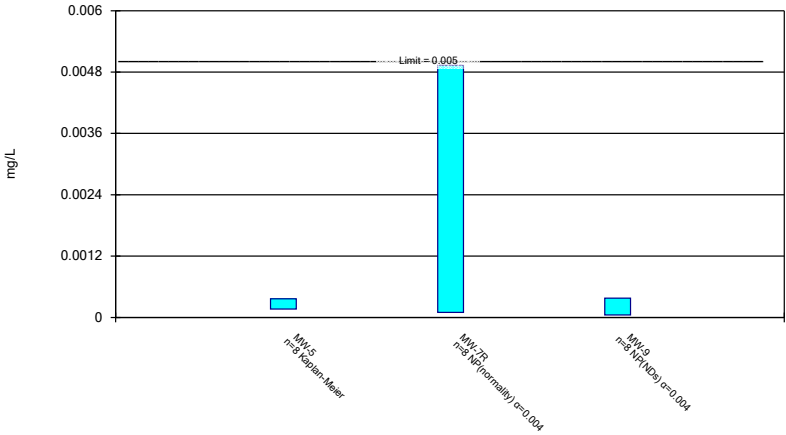
Compliance Limit is not exceeded.



Constituent: beta-BHC Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Parametric and Non-Parametric (NP) Confidence Interval

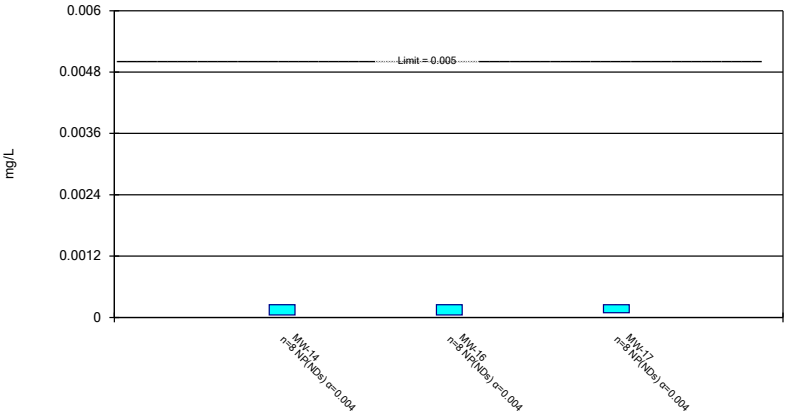
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Cadmium Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Non-Parametric Confidence Interval

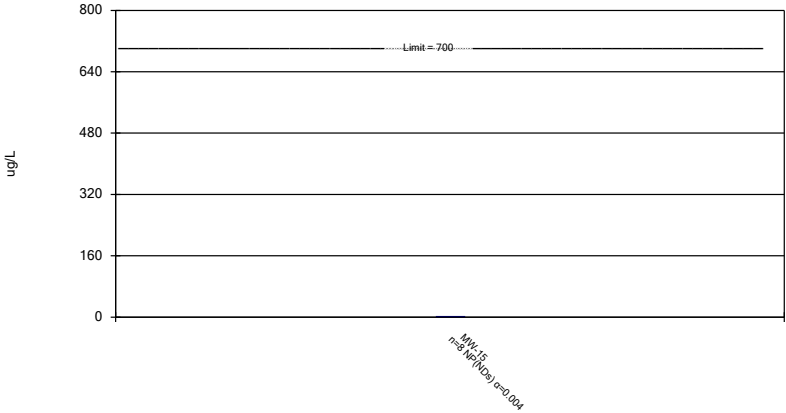
Compliance Limit is not exceeded.



Constituent: Cadmium Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Non-Parametric Confidence Interval

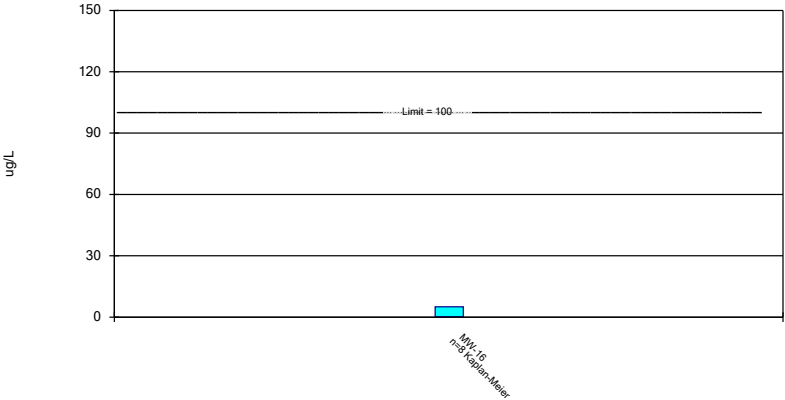
Compliance Limit is not exceeded.



Constituent: Carbon disulfide Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Parametric Confidence Interval

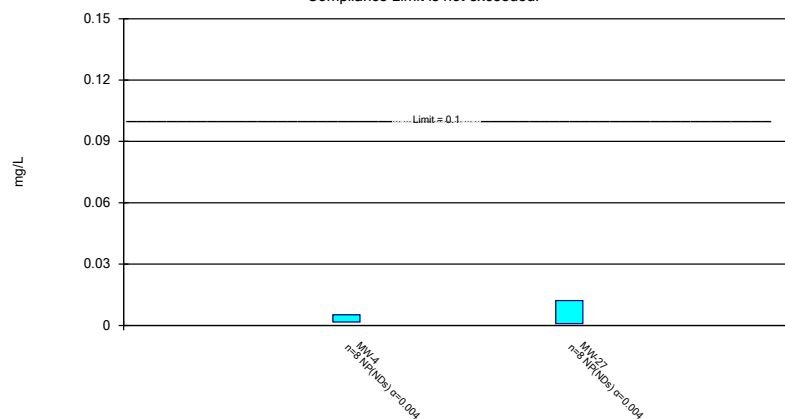
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Constituent: Chlorobenzene Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Non-Parametric Confidence Interval

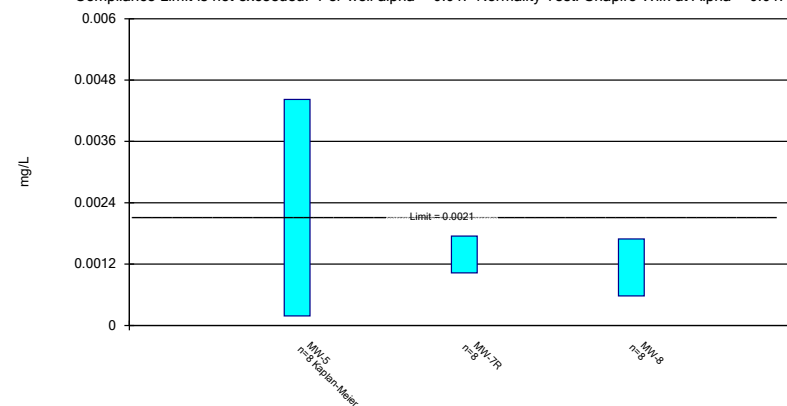
Compliance Limit is not exceeded.



Constituent: Chromium Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Parametric Confidence Interval

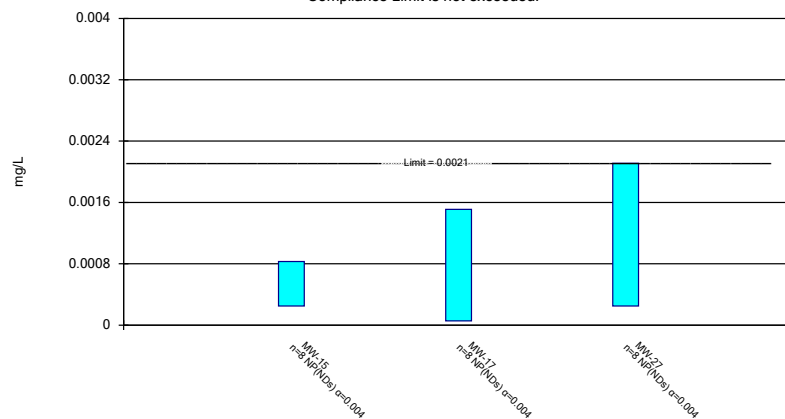
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Constituent: Cobalt Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Non-Parametric Confidence Interval

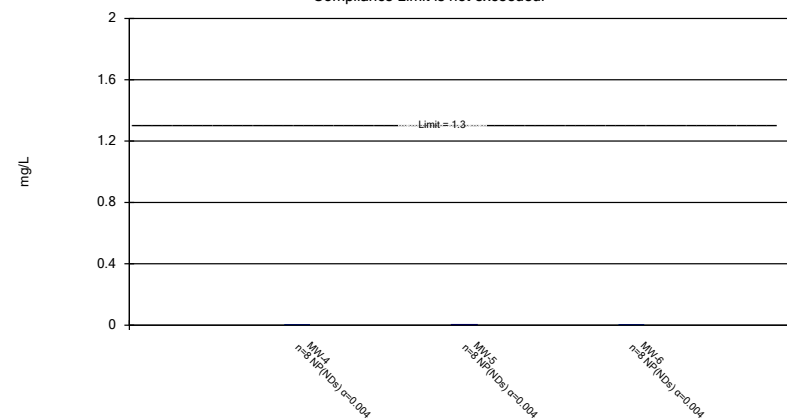
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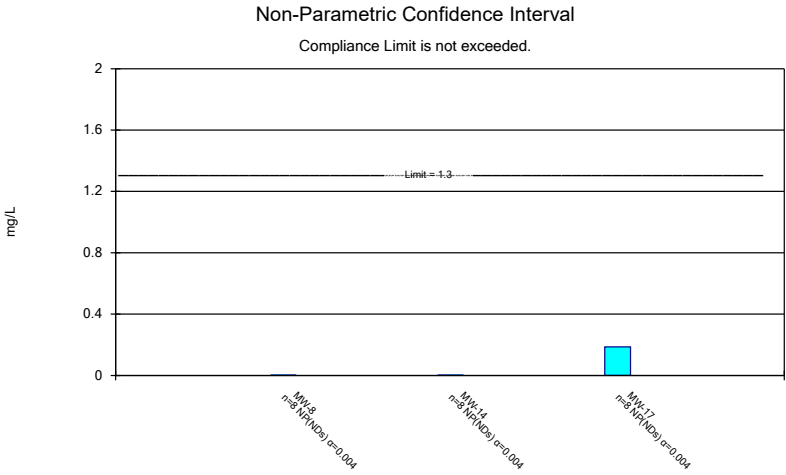
Constituent: Cobalt Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Non-Parametric Confidence Interval

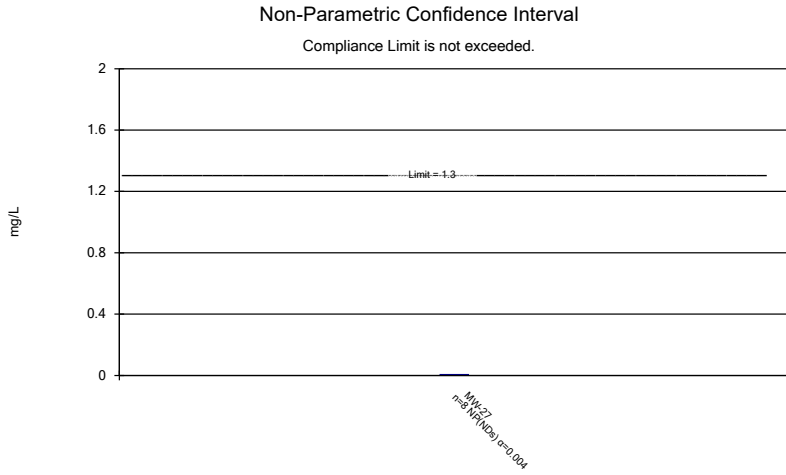
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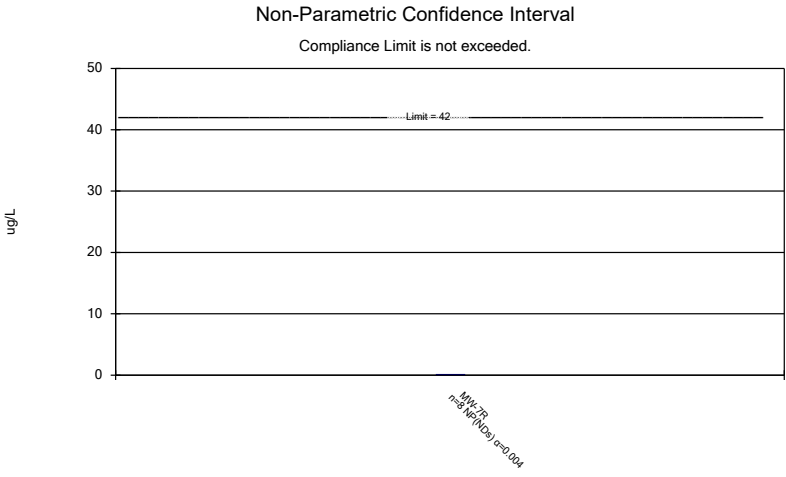
Constituent: Copper Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



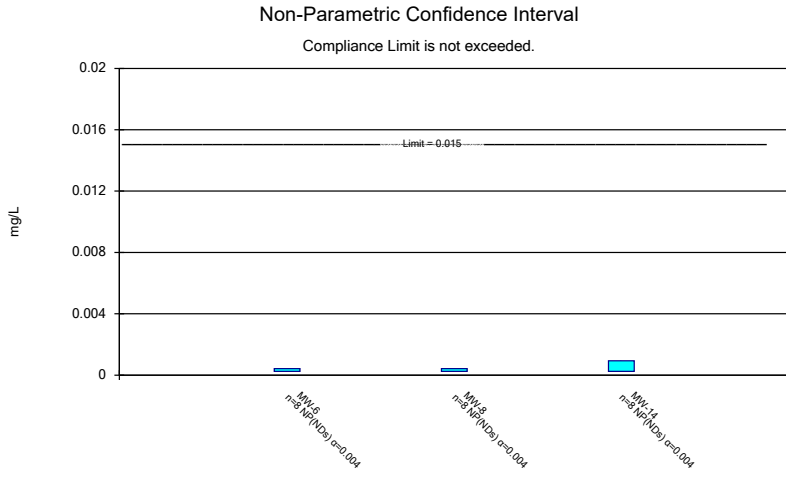
Constituent: Copper Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



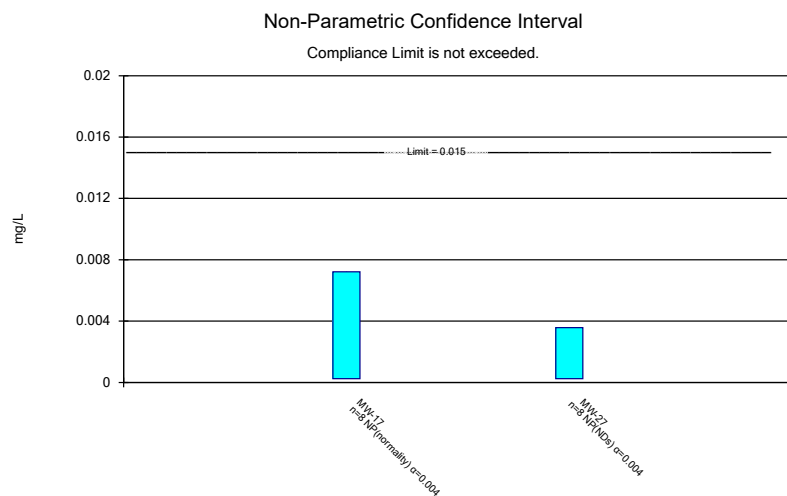
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



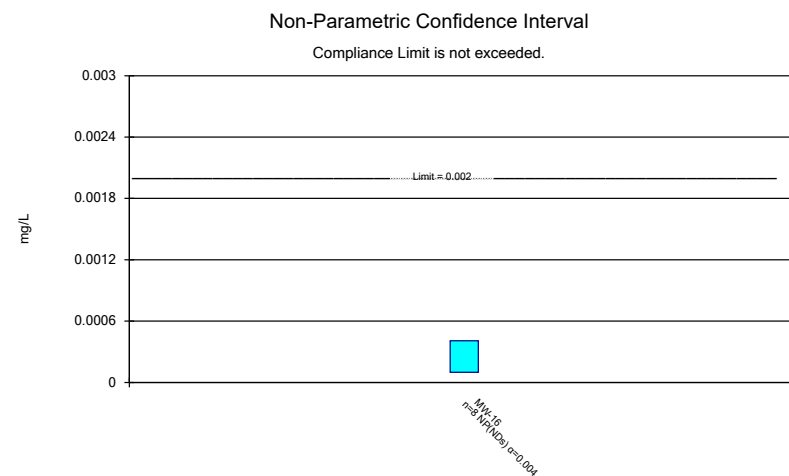
Constituent: Endosulfan I Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



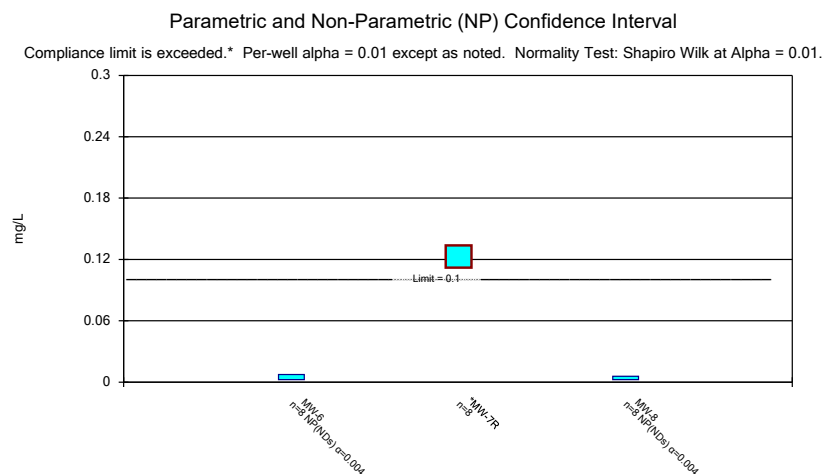
Constituent: Lead Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



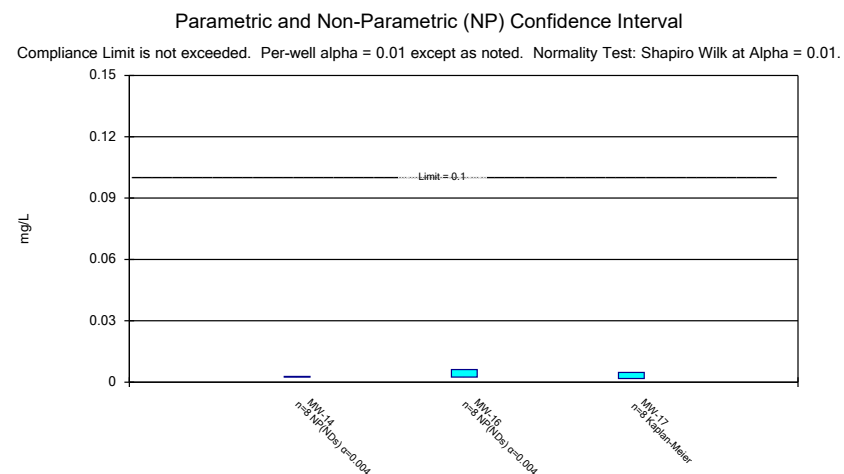
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



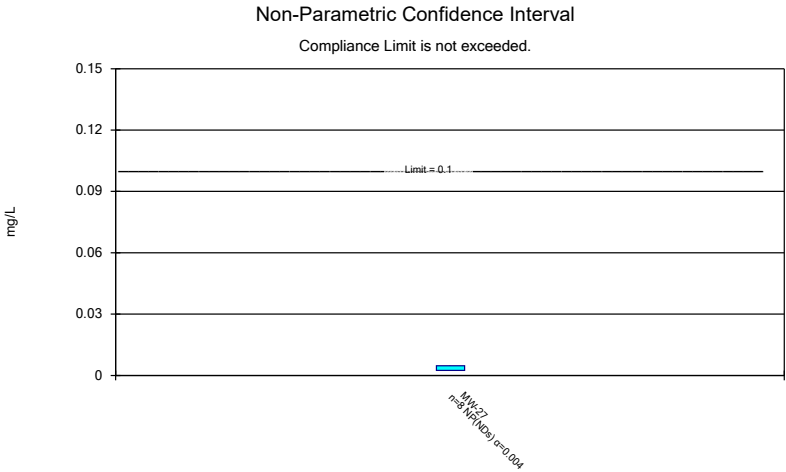
Constituent: Mercury Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



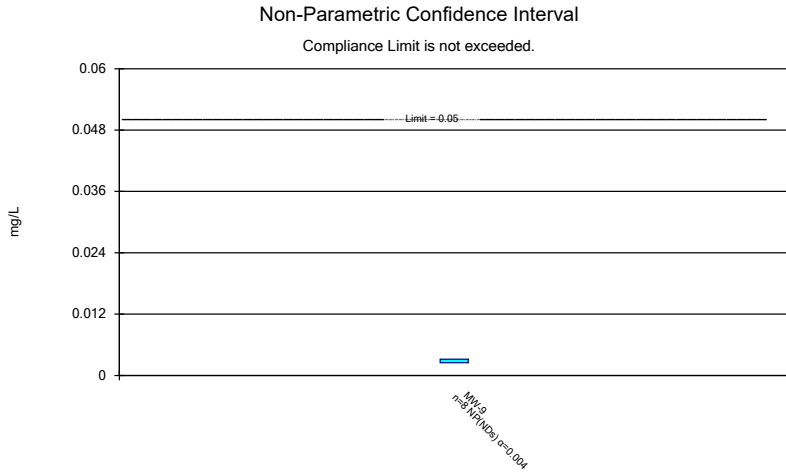
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



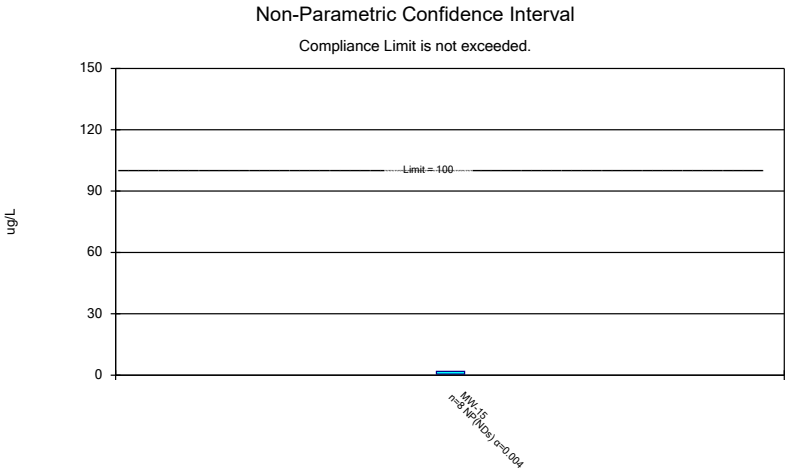
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



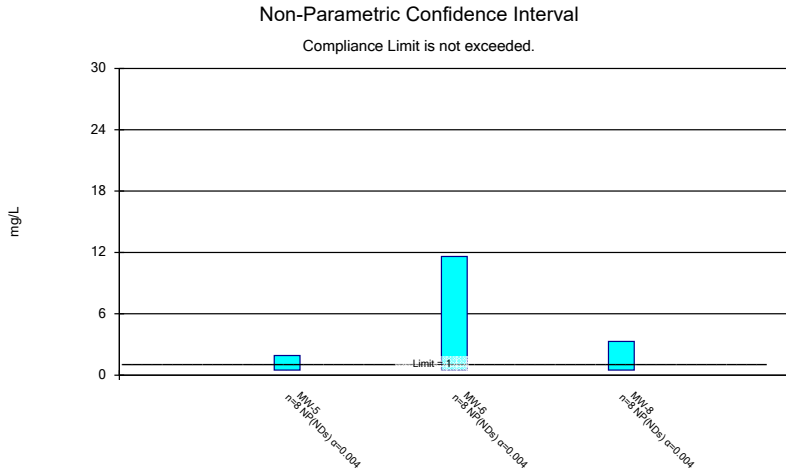
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



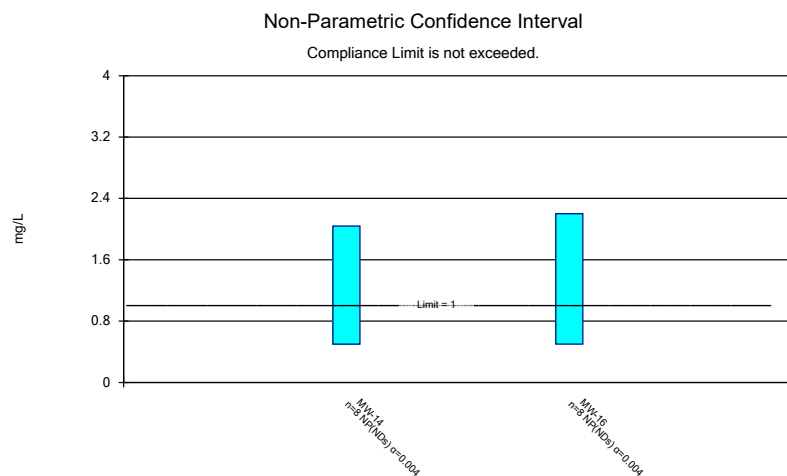
Constituent: Selenium Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



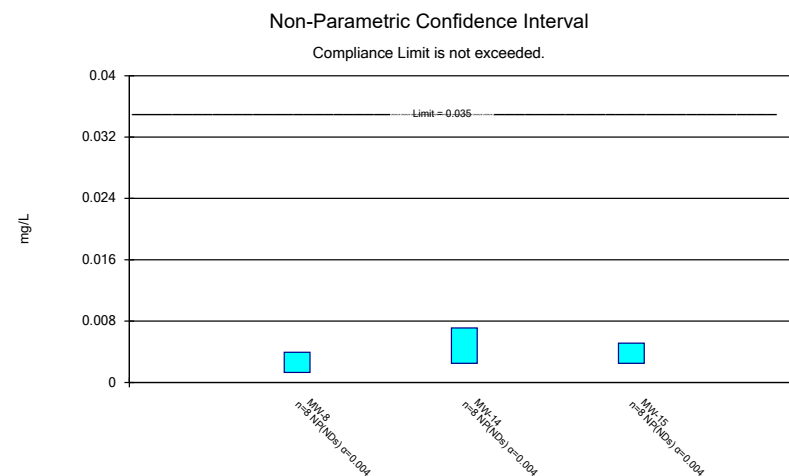
Constituent: Styrene Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



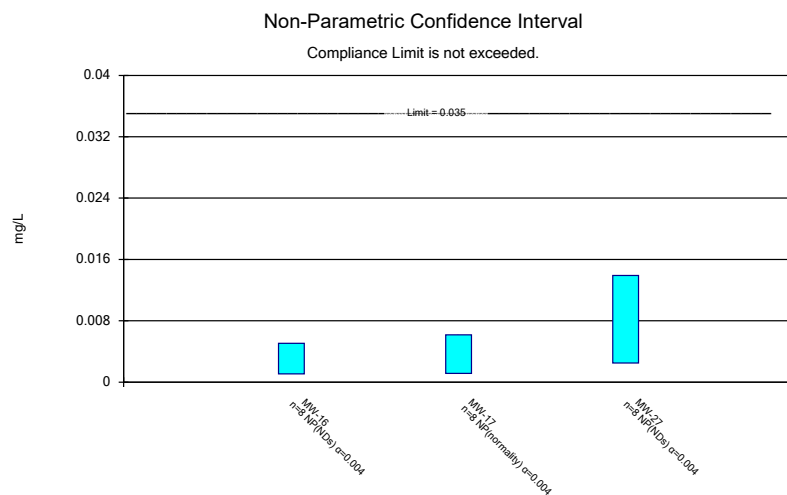
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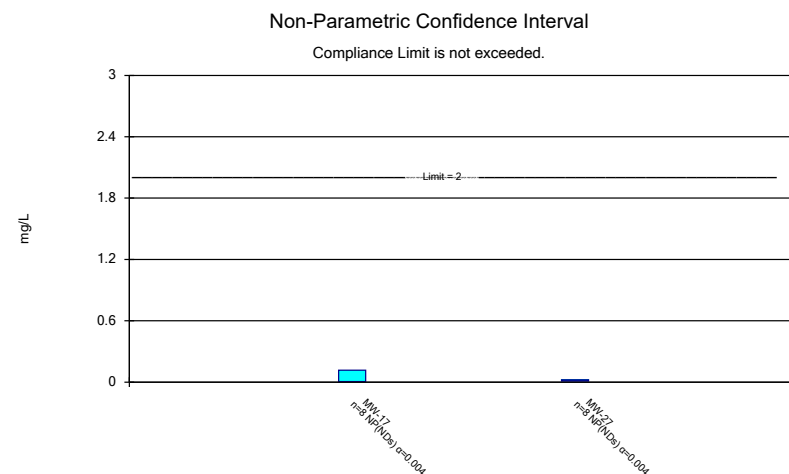
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Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



Constituent: Vanadium Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR



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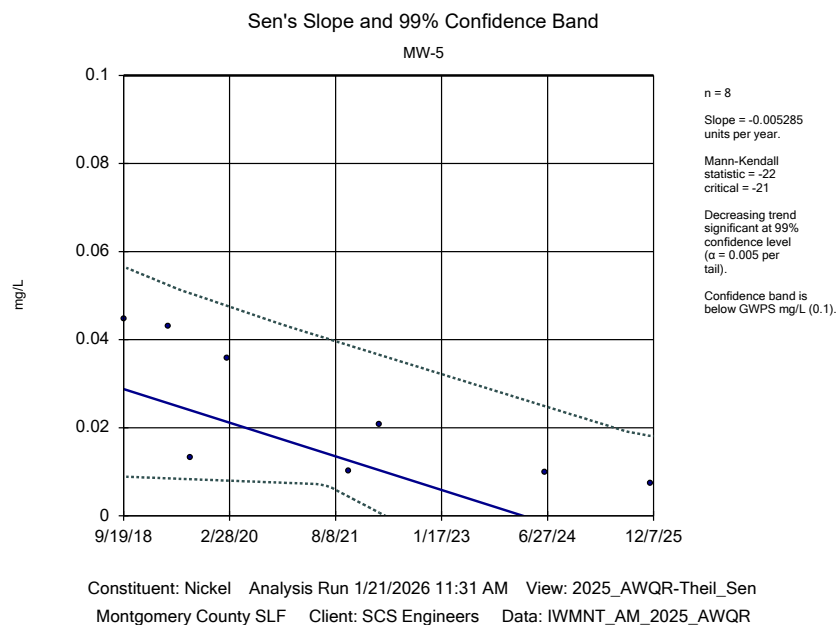
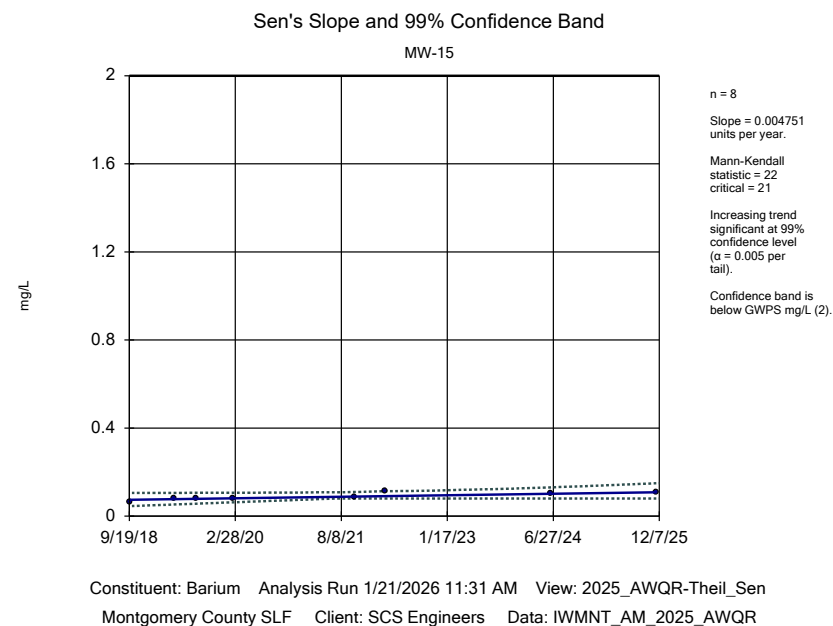
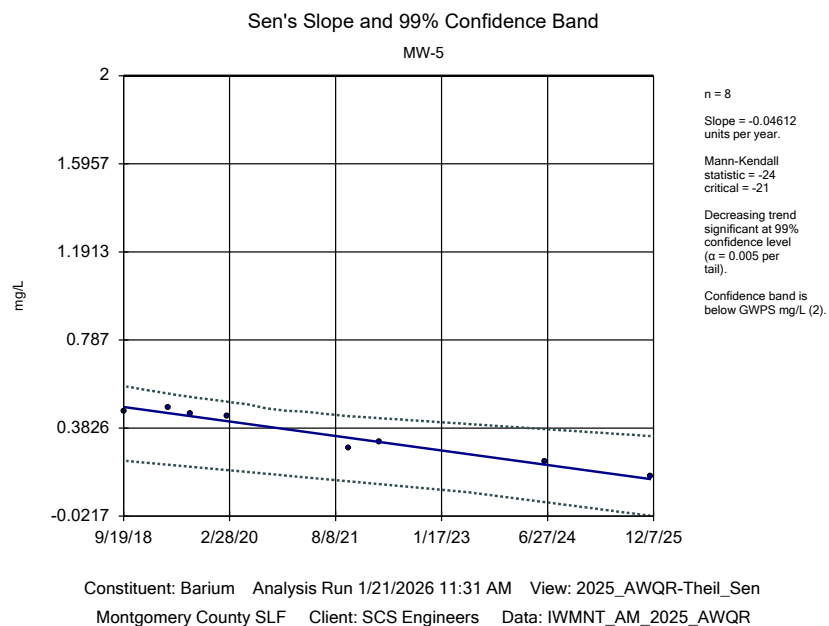
Constituent: Zinc Analysis Run 1/21/2026 11:18 AM View: 2025_AWQR-Confidence_Interval
Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR

Theil-Sen Confidence Band Table and Graphs

TheilSen/Trend Test

Montgomery County SLF Client: SCS Engineers Data: IWMNT_AM_2025_AWQR Printed 1/21/2026, 11:33 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	MW-5	-0.04612	-24	-21	Yes	8	0	0.01	NP
Barium (mg/L)	MW-15	0.004751	22	21	Yes	8	0	0.01	NP
Nickel (mg/L)	MW-5	-0.005285	-22	-21	Yes	8	0	0.01	NP





Appendix E

2025 Leachate Control System Performance Evaluation Report

Table E1
Leachate Management Summary
2025 Leachate Control System Performance Evaluation Report
Montgomery County Sanitary Landfill
Permit No. 69-SDP-01-74P

Month	Unlined Cells - Column Thickness (ft)									Lined Cell-Maximum Head on liner (ft)		Volume Recirculated (gal)	Discharged to POTW (gal)	Precipitation (in)
	LEW-1	LEW-2R	LEW-3	LEW-4	LEW-5	LEW-6	LPZ-11	LPZ-12	LPZ-13	LPZ-1	LPZ-2			
January 2025	8.4	NA	NA	4.0	19.7	14.7	5.9	3.2	2.8	Dry	Dry	0	0	0.00
February 2025	8.3	NA	NA	4.0	19.6	14.6	5.8	3.3	1.8	Dry	Dry	0	0	0.09
March 2025	8.4	NA	NA	3.7	19.6	14.6	5.7	3.5	1.9	Dry	Dry	0	0	1.35
April 2025	8.4	NA	NA	3.9	19.6	14.6	5.8	3.3	2.1	Dry	Dry	0	0	2.68
May 2025	8.3	NA	NA	3.8	19.4	14.5	5.8	4.2	2.4	Dry	Dry	0	0	1.70
June 2025	7.9	NA	NA	4.3	19.1	15.4	5.9	4.2	3.2	Dry	Dry	0	0	4.66
July 2025	8.1	NA	NA	3.9	19.6	14.7	5.8	4.3	4.1	Dry	Dry	0	0	4.67
August 2025	8.0	NA	NA	3.9	19.4	14.6	5.7	4.1	3.9	Dry	Dry	0	0	2.88
September 2025	8.1	NA	NA	3.8	19.4	14.5	5.7	3.7	3.7	Dry	Dry	0	0	1.19
October 2025	8.2	NA	NA	4.4	18.8	14.4	5.9	3.9	3.3	Dry	Dry	0	0	1.85
November 2025	8.2	NA	NA	4.4	18.8	14.4	5.9	4.0	3.3	Dry	Dry	0	0	0.70
December 2025	8.2	NA	NA	4.4	18.8	14.2	5.9	4.0	3.3	Dry	Dry	0	0	0.23
Current Period Total												0	0	22.00

Notes:

- 1) Fluid level measurement data provided by Landfill staff.
- 2) NA = Not Available; Measurements at piezometers LEW-2R and LEW-3 unable to be obtained due to blockage. The blockage associated with piezometer LEW-2R is noted in the 2022 Leachate Control System Performance Evaluation Report (Doc #105693).
- 3) Precipitation data obtained from https://mesonet.agron.iastate.edu/ASOS/reports/mon_prec.php?year=2024 for Red Oak, Iowa, and Atlantic, Iowa.
- 4) **Figure 1** shows the location of the leachate monitoring points.
- 5) Historical leachate levels and graphs are included in Attachment A.

Comments:

Reporting Period: January 2025 - December 2025.

Approved Changes to Leachate Collection System: There were no new approved changes to the leachate collection system during this reporting period.

Recommended Changes to Leachate Collection System: Based on the blockage noted in leachate piezometer LEW-2R and LEW-3 and on the coverage by other piezometers in the unlined cell areas, it is recommended to abandon LEW-2R and LEW-3 and remove them from the monitoring network.

Maintenance Performed on Leachate Collection System: None.

Last Date of Cleaning and Inspection: December 2025.

Date of Next Cleaning and Inspection: Leachate line cleaning and inspection will be performed next in 2028.

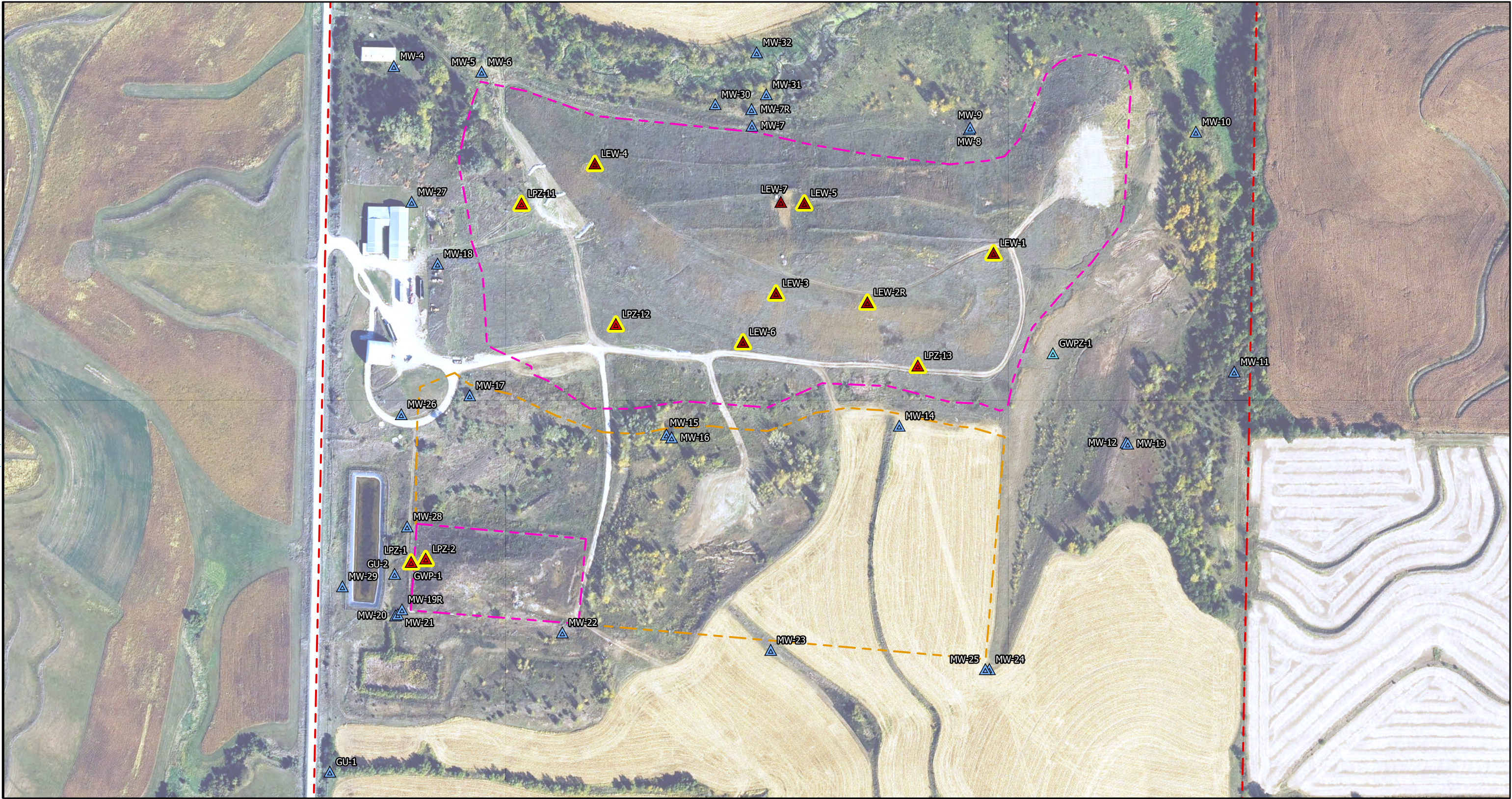
Volume of Leachate Recirculated: Leachate is not recirculated at this facility.

Volume of Leachate Treated Off-Site: Leachate was not transported for treatment off-site during this reporting period.

Volume of Leachate Hauled to Lagoon: 1,200 gallons of leachate was transported from storage tank LEW-7 to the leachate lagoon during this reporting period.

Leachate Quality Testing Results: Leachate quality testing results for the sample collected June 3, 2025 is included in Attachment B.

C:\Users\bmadsen\OneDrive - SCS Engineers\Desktop\GIS\Map\Leachate\Site Map\Leachate_V2.aprx
Path: C:\Users\bmadsen\OneDrive - SCS Engineers\Desktop\GIS\Map\Leachate\Site Map\Leachate_V2.aprx
User: bmadsen
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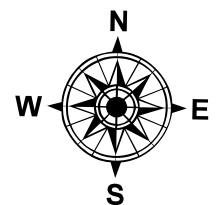


Leachate Control System

Legend

Leachate Monitoring Location	Groundwater Piezometer	Future Waste Boundary
Leachate Monitoring Location	Leachate Piezometer	Approximate Waste Boundary
Monitoring Point	Leachate Extraction Well	Property Boundary

Montgomery County Sanitary
Landfill
Red Oak, Iowa
Project No: 27225095.02
Drawing Date: February 2026



0 140 280 560 840
Feet

Figure 1

Attachment A

Historic Leachate Levels and Graphs

Table E2
Current and Historical Leachate Column Thickness
Montgomery County Sanitary Landfill

	LEW-1	LEW-2R	LEW-3	LEW-4	LEW-5	LEW-6	LPZ-11	LPZ-12	LPZ-13	LPZ-1	LPZ-2
Piezometer Depth	25.7	40.3	43.9	42.0	52.7	35.8	24.9	27.0	11.7	12.5	18.8
Date	North MSWLF Unit									South MSWLF Unit	
4/12/2000	6.90	NI	3.60	1.86	18.07	NI	NI	NI	NI	NI	NI
10/18/2000	7.84	NI	4.66	1.87	18.51	NI	NI	NI	NI	NI	NI
4/4/2001	10.26	NI	6.00	2.10	18.43	NI	NI	NI	NI	NI	NI
10/10/2001	9.78	NI	5.35	1.87	21.22	NI	NI	NI	NI	NI	NI
4/17/2002	8.56	NI	4.90	1.55	21.15	NI	NI	NI	NI	NI	NI
10/9/2002	9.95	NI	5.34	1.66	20.53	NI	NI	NI	NI	NI	NI
4/28/2003	9.81	NI	4.04	2.63	20.23	NI	NI	NI	NI	NI	NI
10/16/2003	9.20	NI	0.10	1.50	18.70	NI	NI	NI	NI	NI	NI
4/14/2004	9.45	NI	0.05	1.90	20.50	NI	NI	NI	NI	NI	NI
10/5/2004	9.70	NI	Dry	2.30	22.30	NI	NI	NI	NI	NI	NI
4/14/2005	NM	NI	NM	NM	NM	NI	NI	NI	NI	NI	NI
10/5/2005	9.35	NI	10.42	1.95	21.61	NI	NI	NI	NI	NI	NI
4/27/2006	9.30	NI	8.90	1.20	20.20	NI	NI	NI	NI	NI	NI
10/18/2006	8.80	NI	7.10	1.00	18.90	NI	NI	NI	NI	NI	NI
11/9/2006	8.40	NI	10.30	2.90	21.20	NI	NI	NI	NI	NI	NI
12/10/2006	8.30	NI	10.50	3.00	21.30	NI	NI	NI	NI	NI	NI
1/16/2007	8.60	NI	11.10	3.10	21.40	NI	NI	NI	NI	NI	NI
2/23/2007	12.10	NI	11.40	3.20	20.90	NI	NI	NI	NI	NI	NI
3/16/2007	19.10	NI	12.50	2.30	20.60	NI	NI	NI	NI	NI	NI
4/1/2007	19.10	NI	12.60	2.70	20.70	NI	NI	NI	NI	NI	NI
4/5/2007	8.88	NI	12.69	2.88	21.27	NI	NI	NI	NI	NI	NI
5/1/2007	19.2	NI	12.40	2.80	21.20	NI	NI	NI	NI	NI	NI
6/1/2007	19.0	NI	11.20	2.60	21.40	NI	NI	NI	NI	NI	NI
7/1/2007	18.8	NI	11.10	2.80	21.30	NI	NI	NI	NI	NI	NI
8/1/2007	18.6	NI	10.85	2.50	21.40	NI	NI	NI	NI	NI	NI
9/1/2007	18.6	NI	10.95	2.60	21.40	NI	NI	NI	NI	NI	NI
10/1/2007	18.5	NI	11.10	2.50	21.50	NI	NI	NI	NI	NI	NI
10/4/2007	8.8	NI	13.75	2.76	22.41	NI	NI	NI	NI	NI	NI
11/1/2007	18.5	NI	13.40	3.00	22.20	NI	NI	NI	NI	NI	NI
11/13/2007	8.8	NI	NM	NM	NM	NI	NI	NI	NI	NI	NI
12/1/2007	18.8	NI	20.00	2.80	22.50	NI	NI	NI	NI	NI	NI
1/1/2008	19.1	NI	19.70	3.10	22.40	NI	NI	NI	NI	NI	NI
2/1/2008	19.3	NI	19.00	3.30	22.60	NI	NI	NI	NI	NI	NI
3/1/2008	19.7	NI	20.00	3.80	22.90	NI	NI	NI	NI	NI	NI
4/1/2008	18.7	NI	19.60	3.40	23.80	NI	NI	NI	NI	NI	NI
4/21/2008	NM	NI	10.80	4.64	13.88	NI	NI	NI	NI	NI	NI
5/1/2008	19.9	NI	21.50	5.00	21.40	NI	NI	NI	NI	NI	NI
6/1/2008	19.3	NI	21.60	5.60	22.40	NI	NI	NI	NI	NI	NI
7/1/2008	18.2	NI	19.98	4.20	19.90	NI	NI	NI	NI	NI	NI
8/1/2008	18.7	NI	19.40	3.50	19.10	NI	NI	NI	NI	NI	NI
9/1/2008	16.2	NI	16.30	1.50	19.50	NI	NI	NI	NI	NI	NI
10/1/2008	13.9	NI	15.20	3.20	19.00	NI	NI	NI	NI	NI	NI
10/27/2008	8.0	NI	10.90	2.20	12.20	NI	NI	NI	NI	NI	NI
3/18/2009	NV	NI	NV	NV	NV	NI	NI	NI	NI	Dry	Dry
4/27/2009	8.79	NI	10.49	2.00	11.38	NI	NI	NI	NI	NM	0.46
6/16/2009	NV	NI	NV	NV	NV	NI	NI	NI	NI	Dry	Dry
9/18/2009	8.31	NI	10.07	2.76	11.57	NI	NI	NI	NI	Dry	Dry
10/14/2009	8.79	NI	10.49	2.00	11.38	NI	NI	NI	NI	Dry	NM
2/1/2010	NM	NI	10.00	NM	NM	NI	NI	NI	NI	NM	NM
3/29/2010	2.77	NI	10.10	2.34	14.54	NI	NI	NI	NI	Dry	Dry
4/1/2010	8.10	NI	9.70	3.30	11.70	NI	NI	NI	NI	Dry	Dry
5/1/2010	7.90	NI	9.70	3.60	11.80	NI	NI	NI	NI	Dry	Dry
6/1/2010	8.20	NI	10.00	3.80	11.90	NI	NI	NI	NI	Dry	Dry
7/1/2010	8.20	NI	10.20	4.40	11.90	NI	NI	NI	NI	Dry	Dry
8/1/2010	8.30	NI	10.00	4.00	11.80	NI	NI	NI	NI	Dry	Dry
9/28/2010	8.37	NI	9.88	2.18	14.60	NI	NI	NI	NI	0.74	0.06
10/1/2010	8.20	NI	9.40	3.60	11.40	NI	NI	NI	NI	Dry	Dry
11/1/2010	8.20	NI	9.20	3.50	11.20	NI	NI	NI	NI	Dry	Dry
12/1/2010	8.60	NI	9.60	3.60	11.20	NI	NI	NI	NI	Dry	Dry
1/21/2011	8.60	NI	9.40	3.60	11.20	NI	NI	NI	NI	Dry	Dry
2/21/2011	8.20	NI	9.00	3.30	10.80	NI	NI	NI	NI	Dry	Dry
3/15/2011	8.30	NI	8.80	3.10	10.70	NI	NI	NI	NI	Dry	Dry
4/5/2011	8.10	NI	9.00	3.80	10.80	NI	NI	NI	NI	Dry	Dry
5/3/2011	8.20	NI	8.70	3.90	10.70	NI	NI	NI	NI	Dry	Dry

Table E2
Current and Historical Leachate Column Thickness
Montgomery County Sanitary Landfill

	LEW-1	LEW-2R	LEW-3	LEW-4	LEW-5	LEW-6	LPZ-11	LPZ-12	LPZ-13	LPZ-1	LPZ-2
Piezometer Depth	25.7	40.3	43.9	42.0	52.7	35.8	24.9	27.0	11.7	12.5	18.8
Date	North MSWLF Unit									South MSWLF Unit	
6/29/2011	8.50	NI	9.20	4.10	11.10	NI	NI	NI	NI	Dry	Dry
7/5/2011	8.50	NI	9.20	4.10	11.10	NI	NI	NI	NI	Dry	Dry
8/1/2011	8.40	NI	9.00	3.60	11.10	NI	NI	NI	NI	Dry	Dry
9/6/2011	8.20	NI	9.10	3.60	11.20	NI	NI	NI	NI	Dry	Dry
10/7/2011	8.60	NI	9.70	3.50	11.20	6.50	4.89	11.08	0.60	Dry	Dry
11/29/2011	8.40	NI	9.40	3.30	9.90	NM	NM	NM	NM	Dry	Dry
12/23/2011	8.20	NI	9.40	3.20	12.00	NM	NM	NM	NM	Dry	Dry
1/26/2012	13.85	NI	8.70	2.70	11.00	NM	NM	NM	NM	Dry	Dry
2/1/2012	NM	NI	NM	NM	NM	NM	NM	NM	NM	NM	NM
3/6/2012	14.05	NI	9.00	3.00	10.90	16.52	6.92	3.32	1.31	0.38	0.69
4/5/2012	13.85	NI	9.00	3.20	11.10	16.12	7.62	3.62	1.51	Dry	Dry
5/1/2012	NM	NI	NM	NM	NM	NM	NM	NM	NM	NM	NM
6/1/2012	NM	NI	NM	NM	NM	NM	NM	NM	NM	NM	NM
7/1/2012	NM	NI	NM	NM	NM	NM	NM	NM	NM	NM	NM
8/31/2012	8.65	NI	10.40	7.00	15.20	16.42	7.12	3.12	5.01	0.08	Dry
9/17/2012	8.25	NI	9.30	4.80	13.20	16.22	7.32	3.52	2.01	Dry	Dry
10/31/2012	8.75	NI	9.80	2.90	16.10	16.42	NM	NM	NM	NM	NM
11/21/2012	8.75	NI	9.80	2.60	16.00	16.32	6.72	2.52	3.51	NM	NM
12/12/2012	8.80	NI	9.60	1.90	16.20	16.20	6.60	2.40	3.10	NM	NM
1/1/2013	NM	NI	NM	NM	NM	NM	NM	NM	NM	NM	NM
2/20/2013	8.60	NI	9.70	1.80	24.10	16.00	6.40	2.10	2.50	NM	NM
3/21/2013	8.45	NI	8.35	2.20	24.90	NM	NM	NM	NM	NM	NM
4/30/2013	8.70	NI	10.40	2.20	24.80	16.00	6.50	2.60	2.30	NM	NM
5/18/2013	8.90	NI	10.10	2.00	24.00	16.00	6.30	2.20	2.40	NM	NM
6/1/2013	NM	NI	NM	NM	NM	NM	NM	NM	NM	NM	NM
7/6/2013	8.10	NI	10.20	2.10	23.30	15.90	7.50	3.20	4.20	NM	NM
8/7/2013	8.70	NI	9.50	2.10	23.30	15.80	7.50	2.80	4.90	NM	NM
9/7/2013	8.70	14.30	10.10	2.70	23.30	16.30	7.20	2.60	4.80	Dry	Dry
10/2/2013	8.60	14.30	9.80	1.80	23.30	15.80	6.90	2.60	3.80	Dry	Dry
11/4/2013	8.60	10.80	9.80	1.70	23.50	15.80	6.60	2.40	3.40	Dry	Dry
12/3/2013	8.20	11.00	10.10	1.70	23.80	15.80	6.60	2.40	2.90	Dry	Dry
1/1/2014	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
2/1/2014	8.45	NM	9.45	1.50	23.20	15.55	6.20	1.90	2.00	Dry	Dry
3/21/2014	8.45	10.00	9.40	1.80	22.95	15.50	5.90	1.50	1.70	Dry	Dry
4/11/2014	8.30	9.50	9.10	1.40	22.70	15.40	5.70	1.40	1.60	Dry	Dry
5/20/2014	8.30	9.50	8.80	1.40	22.50	15.40	5.70	2.00	1.90	Dry	Dry
6/14/2014	8.50	9.80	9.10	1.50	22.30	15.50	6.20	2.40	2.30	Dry	Dry
7/3/2014	8.30	9.40	9.10	1.50	22.00	15.30	6.70	2.60	2.90	Dry	Dry
8/14/2014	8.40	9.30	8.60	1.50	22.20	15.30	7.20	2.80	4.30	Dry	Dry
9/8/2014	8.60	9.30	8.60	1.50	22.20	15.40	7.30	3.00	5.00	Dry	Dry
10/11/2014	8.40	9.30	9.00	1.30	21.90	15.30	7.40	3.30	4.20	Dry	Dry
11/13/2014	8.40	9.00	8.70	1.40	21.90	15.20	7.30	3.00	3.40	Dry	Dry
12/4/2014	8.60	9.40	8.80	1.30	22.10	15.40	7.10	2.80	2.70	Dry	Dry
1/15/2015	8.50	6.90	8.80	1.00	22.20	15.60	7.00	2.60	2.10	Dry	Dry
2/20/2015	8.60	7.00	8.80	0.90	22.20	15.70	6.70	2.20	1.80	Dry	Dry
3/18/2015	8.40	6.40	8.60	1.10	21.90	15.50	6.40	2.20	1.60	Dry	Dry
4/29/2015	8.85	6.80	8.70	1.10	21.80	15.60	6.40	2.60	1.85	Dry	Dry
5/22/2015	9.00	6.70	8.60	0.90	21.50	15.60	6.60	3.10	2.10	Dry	Dry
6/27/2015	8.85	6.70	8.80	1.30	21.60	15.70	7.30	3.60	3.40	Dry	Dry
7/15/2015	8.70	6.70	8.80	1.30	21.80	15.70	7.60	3.50	4.00	Dry	Dry
8/7/2015	8.80	6.70	8.90	1.40	21.80	16.00	7.80	3.60	4.70	Dry	Dry
9/17/2015	9.10	6.90	8.90	1.40	21.90	16.50	7.70	3.70	5.00	Dry	Dry
10/16/2015	8.60	4.30	8.20	1.30	21.50	16.20	7.60	4.00	4.20	Dry	Dry
11/17/2015	8.50	6.30	8.30	1.10	21.70	16.30	7.00	3.70	3.70	Dry	Dry
12/14/2015	9.20	7.30	8.80	1.20	22.30	16.80	7.00	3.80	3.60	Dry	Dry
1/13/2016	9.30	7.30	8.80	1.10	22.70	16.80	8.15	4.30	2.70	Dry	Dry
2/22/2016	8.90	6.60	8.40	1.50	21.70	16.70	8.00	4.00	2.00	Dry	Dry
3/21/2016	9.00	NM	8.30	1.20	21.50	16.80	8.00	3.80	2.05	Dry	Dry
4/12/2016	8.60	7.00	8.20	1.20	21.40	16.60	7.80	3.80	2.20	Dry	Dry
5/17/2016	9.20	7.30	8.05	1.20	21.30	16.80	8.10	4.80	3.40	Dry	Dry
6/10/2016	9.20	6.70	8.30	1.30	21.20	16.90	8.45	4.80	4.10	Dry	Dry
7/15/2016	8.80	6.60	8.20	1.35	21.40	16.80	8.20	5.10	5.20	Dry	Dry
8/16/2016	8.70	6.80	8.60	1.70	21.60	16.80	8.30	5.00	5.40	Dry	Dry
9/22/2016	9.20	6.70	8.60	1.90	21.60	17.00	8.30	4.70	5.20	Dry	Dry

Table E2
Current and Historical Leachate Column Thickness
Montgomery County Sanitary Landfill

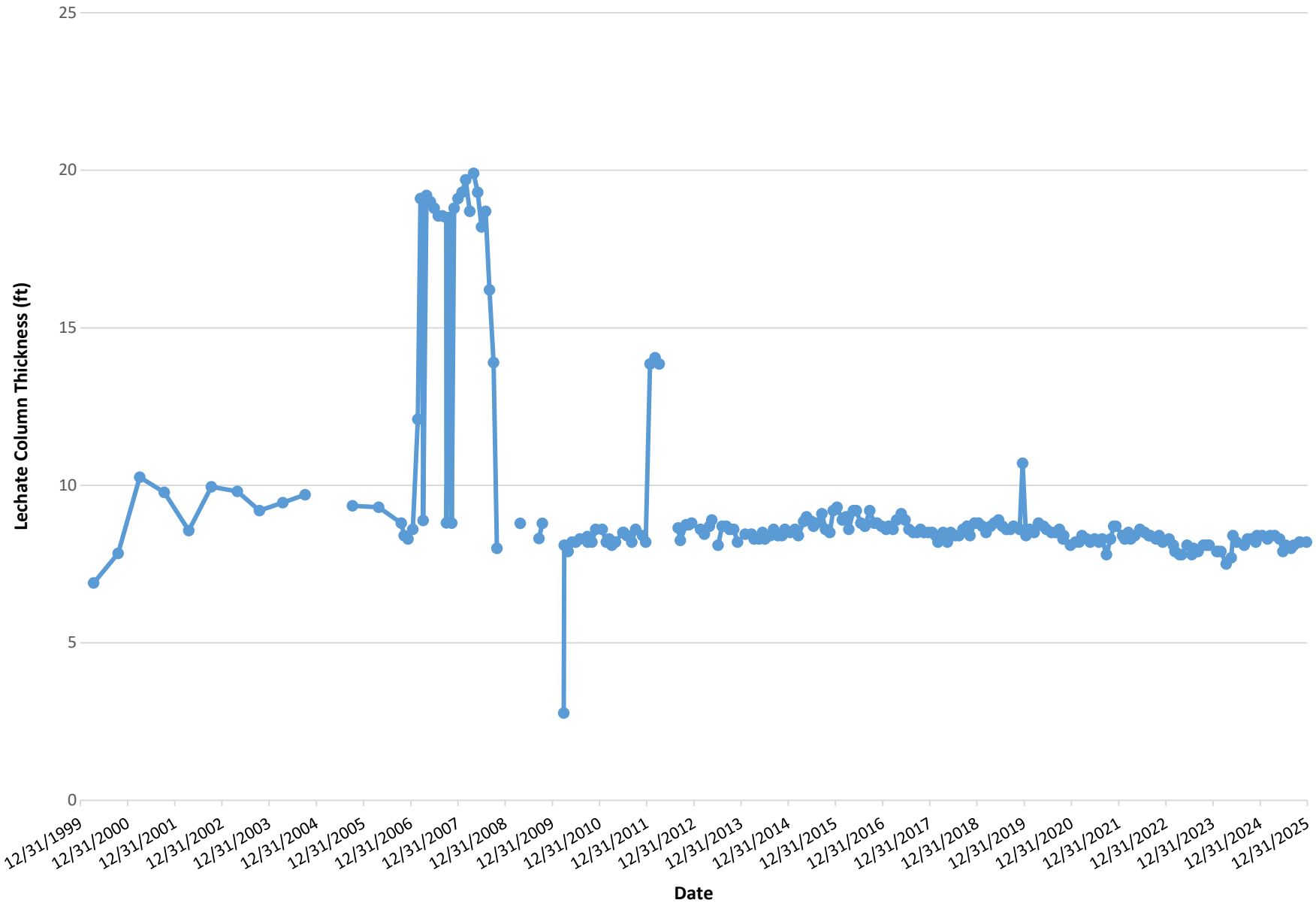
	LEW-1	LEW-2R	LEW-3	LEW-4	LEW-5	LEW-6	LPZ-11	LPZ-12	LPZ-13	LPZ-1	LPZ-2
Piezometer Depth	25.7	40.3	43.9	42.0	52.7	35.8	24.9	27.0	11.7	12.5	18.8
Date	North MSWLF Unit									South MSWLF Unit	
10/24/2016	8.80	6.30	8.30	1.80	21.40	16.80	8.00	4.40	3.90	Dry	Dry
11/17/2016	8.80	6.40	8.80	2.00	21.30	16.80	8.10	4.00	3.60	Dry	Dry
12/21/2016	8.70	6.20	8.40	1.60	22.10	16.60	7.90	3.50	2.70	Dry	Dry
1/26/2017	8.60	5.40	8.20	1.90	21.70	17.60	7.80	2.20	3.20	Dry	Dry
2/16/2017	8.70	5.20	8.60	2.00	22.20	16.60	7.90	3.20	1.90	Dry	Dry
3/20/2017	8.60	5.10	8.60	2.00	21.80	16.30	7.10	3.20	1.90	Dry	Dry
4/18/2017	8.90	6.30	8.80	2.50	21.70	16.40	7.20	3.60	2.20	Dry	Dry
5/23/2017	9.10	6.70	8.50	1.80	21.90	16.60	7.80	4.20	3.80	Dry	Dry
6/22/2017	8.90	7.30	8.80	2.00	21.90	17.70	7.70	4.20	4.50	Dry	Dry
7/21/2017	8.60	6.70	8.60	2.30	21.80	17.40	7.70	4.30	4.80	Dry	Dry
8/25/2017	8.50	6.60	8.50	2.40	21.70	17.20	7.20	3.30	4.80	Dry	Dry
9/23/2017	8.50	6.30	8.50	2.50	21.70	17.20	7.30	3.40	4.10	Dry	Dry
7/21/2017	8.43	6.13	8.43	2.60	21.63	17.07	7.00	2.77	3.87	Dry	Dry
8/25/2017	8.38	5.93	8.38	2.70	21.58	16.97	6.80	2.32	3.52	Dry	Dry
12/18/2017	8.50	6.40	8.60	2.50	21.70	17.10	7.20	3.10	2.30	Dry	Dry
1/19/2018	8.50	6.40	8.70	2.30	21.90	17.10	6.90	2.70	1.90	Dry	Dry
2/14/2018	8.40	7.50	8.60	2.20	21.60	17.10	6.80	2.70	1.70	Dry	Dry
3/3/2018	8.20	7.50	8.30	2.10	21.00	16.80	6.50	2.40	1.50	Dry	Dry
4/11/2018	8.50	7.50	8.60	2.20	21.40	16.90	6.50	2.40	1.50	Dry	Dry
5/15/2018	8.20	7.50	8.30	2.10	21.20	16.60	6.40	2.50	1.60	Dry	Dry
6/11/2018	8.50	7.50	8.60	2.10	21.30	16.60	6.50	2.50	2.20	Dry	Dry
7/13/2018	8.40	7.30	8.50	2.00	21.10	16.50	6.70	2.60	3.70	Dry	Dry
8/13/2018	8.40	7.30	8.40	2.10	21.00	16.30	6.60	2.50	4.20	Dry	Dry
9/14/2018	8.60	7.40	8.80	2.80	21.20	16.50	7.00	4.30	4.80	Dry	Dry
10/15/2018	8.70	7.50	8.70	2.60	20.90	16.70	7.00	4.30	4.40	Dry	Dry
11/7/2018	8.40	7.50	8.50	2.40	20.80	16.50	7.80	4.10	3.40	Dry	Dry
12/12/2018	8.80	7.60	8.80	3.10	21.10	17.30	7.80	4.10	2.40	Dry	Dry
1/10/2019	8.80	7.60	8.40	2.50	21.30	17.50	7.70	4.30	2.10	Dry	Dry
2/10/2019	8.70	7.50	8.60	2.90	21.60	17.60	7.90	4.20	2.00	Dry	Dry
3/11/2019	8.50	7.50	8.30	2.40	21.80	17.50	8.00	4.60	1.90	Dry	Dry
4/15/2019	8.70	7.20	8.70	2.40	21.80	17.90	8.10	4.50	2.40	Dry	Dry
5/14/2019	8.80	7.30	8.70	2.60	21.70	18.10	8.20	4.50	3.80	Dry	Dry
6/15/2019	8.90	7.30	8.90	2.90	21.80	18.10	8.50	4.40	4.90	Dry	Dry
7/15/2019	8.70	7.40	8.60	2.80	21.50	18.00	8.40	4.40	5.30	Dry	Dry
8/14/2019	8.60	7.50	8.50	2.70	21.30	17.90	8.50	4.60	5.20	Dry	Dry
9/14/2019	8.60	7.50	8.40	3.00	21.40	17.80	7.80	4.40	4.60	Dry	Dry
10/9/2019	8.70	NA	8.90	3.00	19.70	16.80	6.40	4.00	3.70	Dry	Dry
11/26/2019	8.60	NA	8.90	3.00	22.00	18.00	8.00	4.50	3.00	Dry	Dry
12/19/2019	10.70	NA	8.30	2.60	18.20	17.80	7.50	4.10	2.40	Dry	Dry
1/14/2020	8.40	NA	8.40	2.50	21.40	17.80	7.30	3.90	2.10	Dry	Dry
2/12/2020	8.60	NA	8.60	2.40	21.30	18.00	7.00	3.90	1.80	Dry	Dry
3/17/2020	8.50	NA	8.50	2.30	21.20	17.70	7.10	4.10	1.60	Dry	Dry
4/20/2020	8.80	NA	8.70	2.50	21.30	17.80	7.50	4.40	2.80	Dry	Dry
5/28/2020	8.70	NA	8.90	2.60	21.60	17.70	7.60	4.60	4.10	Dry	Dry
6/19/2020	8.60	NA	8.60	2.90	21.20	17.40	8.00	4.20	4.40	Dry	Dry
7/28/2020	8.50	NA	8.40	2.70	20.70	17.40	8.00	3.80	4.80	Dry	Dry
8/28/2020	8.50	NA	8.60	3.80	20.70	17.40	8.00	3.80	4.80	Dry	Dry
9/28,29/2020	8.60	NA	8.90	4.00	21.10	17.50	7.90	4.50	5.30	Dry	Dry
10/27/2020	8.30	NA	8.50	3.10	20.90	17.10	7.70	3.20	5.10	Dry	Dry
11/1/2020	8.40	NA	8.70	3.30	21.50	17.00	7.20	3.10	4.60	Dry	Dry
12/22/2020	8.10	NA	8.70	4.00	21.00	16.80	6.90	2.90	4.40	Dry	Dry
1/31/2021	8.20	NA	8.40	3.10	21.10	17.10	6.80	2.70	4.20	Dry	Dry
2/28/2021	8.20	NA	8.20	3.10	21.40	16.80	7.00	2.50	4.40	Dry	Dry
3/22/2021	8.40	NA	8.70	2.60	21.70	16.70	7.40	3.20	4.20	Dry	Dry
4/29/2021	8.30	NA	8.30	3.80	20.10	16.40	7.50	4.60	4.40	Dry	Dry
5/25/2021	8.20	NA	8.50	4.10	20.10	16.50	7.50	4.70	4.20	Dry	Dry
6/29/2021	8.30	NA	8.30	3.70	20.30	16.50	7.30	4.50	4.30	Dry	Dry
7/30/2021	8.20	NA	8.70	3.10	21.60	16.80	7.50	3.40	4.10	Dry	Dry
8/26/2021	8.30	NA	8.50	4.10	20.30	16.50	7.60	3.30	4.20	Dry	Dry
9/28/2021	7.80	NA	8.50	4.30	19.70	16.10	6.20	3.50	3.30	Dry	Dry
10/29/2021	8.30	NA	8.70	4.50	19.50	16.10	6.40	3.40	3.20	Dry	Dry
11/23/2021	8.70	NA	8.60	5.10	20.80	16.30	6.00	4.90	2.80	Dry	Dry
12/10/2021	8.70	NA	8.60	4.30	21.10	16.30	6.30	4.70	2.30	Dry	Dry
1/31/2022	8.40	NA	8.50	4.20	21.00	16.20	6.30	4.20	1.70	Dry	Dry

Table E2
Current and Historical Leachate Column Thickness
Montgomery County Sanitary Landfill

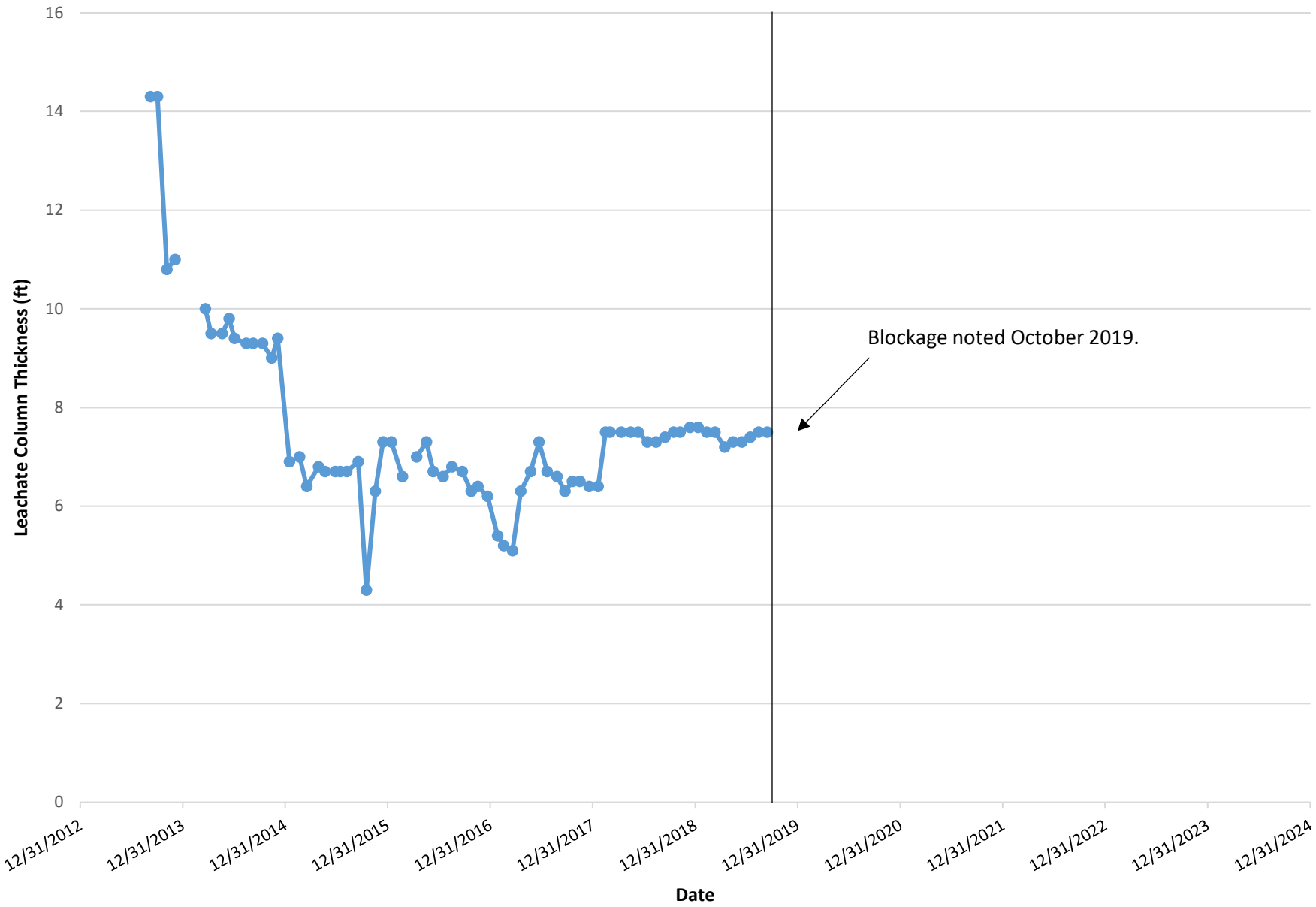
	LEW-1	LEW-2R	LEW-3	LEW-4	LEW-5	LEW-6	LPZ-11	LPZ-12	LPZ-13	LPZ-1	LPZ-2
Piezometer Depth	25.7	40.3	43.9	42.0	52.7	35.8	24.9	27.0	11.7	12.5	18.8
Date	North MSWLF Unit									South MSWLF Unit	
2/17/2022	8.30	NA	8.20	4.00	20.60	15.90	6.10	4.10	1.50	Dry	Dry
3/16/2022	8.50	NA	8.70	4.00	20.90	16.10	6.10	4.00	1.40	Dry	Dry
4/4/2022	8.30	NA	8.30	4.80	20.70	16.00	6.10	4.40	1.30	Dry	Dry
5/6/2022	8.40	NA	8.60	4.30	20.70	16.10	6.30	4.80	1.50	Dry	Dry
6/13/2022	8.60	NA	8.60	4.30	21.00	16.10	7.00	5.00	3.00	Dry	Dry
7/21/2022	8.50	NA	8.40	4.30	20.70	15.80	7.10	4.30	3.70	Dry	Dry
8/22/2022	8.40	NA	8.10	4.20	20.70	15.80	6.70	4.10	3.20	Dry	Dry
9/1/2022	8.40	NA	8.20	4.30	20.70	15.80	6.50	4.20	3.20	Dry	Dry
10/17/2022	8.30	NA	7.90	4.10	20.40	15.70	6.10	3.80	2.90	Dry	Dry
11/10/2022	8.40	NA	8.10	4.30	20.70	15.80	5.80	3.80	2.60	Dry	Dry
12/7/2022	8.20	NA	7.90	4.20	20.30	15.70	5.50	3.50	2.10	Dry	Dry
1/25/2023	8.30	NA	8.00	4.10	20.60	15.70	5.30	3.20	1.50	Dry	Dry
2/28/2023	8.10	NA	8.10	4.20	20.60	15.60	5.10	3.20	1.30	Dry	Dry
3/13/2023	7.90	NA	7.90	4.00	20.10	15.50	4.90	3.20	1.20	Dry	Dry
4/17/2023	7.80	NA	8.00	3.90	20.40	15.50	5.00	3.60	1.20	Dry	Dry
5/3/2023	7.80	NA	8.00	4.00	20.30	15.50	5.10	3.60	1.20	Dry	Dry
6/13/2023	8.10	NA	8.10	4.00	20.30	15.50	5.60	3.30	1.40	Dry	Dry
7/20/2023	7.80	NA	8.00	4.00	20.00	15.30	5.40	3.20	1.70	Dry	Dry
8/2/2023	8.00	NA	8.00	4.00	20.00	15.30	5.40	2.90	1.80	Dry	Dry
9/7/2023	7.90	NA	7.90	4.00	20.00	15.20	5.20	2.70	1.90	Dry	Dry
10/17/2023	8.10	NA	7.90	3.50	19.70	15.20	4.00	2.70	1.90	Dry	Dry
11/15/2023	8.10	NA	7.80	3.70	19.60	15.10	4.70	2.40	1.60	Dry	Dry
12/1/2023	8.10	NA	7.90	4.10	19.70	15.10	4.70	2.30	1.50	Dry	Dry
1/30/2024	7.90	NA	7.80	4.00	19.60	15.00	4.50	1.90	3.30	Dry	Dry
2/9/2024	7.90	NA	7.90	4.00	19.80	15.00	4.50	2.30	3.10	Dry	Dry
3/1/2024	7.90	NA	7.90	3.50	19.70	14.90	4.40	2.40	2.90	Dry	Dry
4/12/2024	7.50	NA	7.90	4.60	19.40	14.80	4.40	2.70	3.20	Dry	Dry
5/20/2024	7.70	NA	7.90	4.80	19.40	14.90	4.80	3.90	3.90	Dry	Dry
6/3/2024	8.40	NA	8.10	5.30	19.40	15.00	5.30	4.60	3.90	Dry	Dry
7/1/2024	8.20	NA	NA	4.30	19.60	14.80	6.30	4.70	4.00	Dry	Dry
8/29/2024	8.10	NA	NA	4.40	19.70	14.80	6.40	4.10	4.10	Dry	Dry
9/24/2024	8.30	NA	NA	4.60	20.00	14.70	6.50	4.00	4.40	Dry	Dry
10/22/2024	8.30	NA	NA	4.10	20.10	14.70	5.80	3.60	3.00	Dry	Dry
11/26/2024	8.20	NA	NA	4.00	20.10	14.80	5.80	3.60	3.60	Dry	Dry
12/6/2024	8.40	NA	NA	4.00	19.70	14.70	5.90	3.10	2.90	Dry	Dry
1/16/2025	8.4	NA	NA	4.0	19.7	14.7	5.9	3.2	2.8	Dry	Dry
2/25/2025	8.3	NA	NA	4.0	19.6	14.6	5.8	3.3	1.8	Dry	Dry
3/18/2025	8.4	NA	NA	3.7	19.6	14.6	5.7	3.5	1.9	Dry	Dry
4/22/2025	8.4	NA	NA	3.9	19.6	14.6	5.8	3.3	2.1	Dry	Dry
5/29/2025	8.3	NA	NA	3.8	19.4	14.5	5.8	4.2	2.4	Dry	Dry
6/25/2025	7.9	NA	NA	4.3	19.1	15.4	5.9	4.2	3.2	Dry	Dry
7/15/2025	8.1	NA	NA	3.9	19.6	14.7	5.8	4.3	4.1	Dry	Dry
8/26/2025	8.0	NA	NA	3.9	19.4	14.6	5.7	4.1	3.9	Dry	Dry
9/16/2025	8.1	NA	NA	3.8	19.4	14.5	5.7	3.7	3.7	Dry	Dry
10/30/2025	8.2	NA	NA	4.4	18.8	14.4	5.9	3.9	3.3	Dry	Dry
11/4/2025	8.2	NA	NA	4.4	18.8	14.4	5.9	4.0	3.3	Dry	Dry
12/23/2025	8.2	NA	NA	4.4	18.8	14.2	5.9	4.0	3.3	Dry	Dry

1. NM = Not Measured.
2. NI = Not Installed.
3. NV = Not Valid due to inconsistencies with the measured levels exceeding total depths.
4. NA = Not Available, blockage in piezometer LEW-2R and LEW-3 at approximately 33 and 21 feet. It is recommended to abandon and remove from monitoring network.
5. Current reporting period monthly liquid levels measured by Landfill staff.

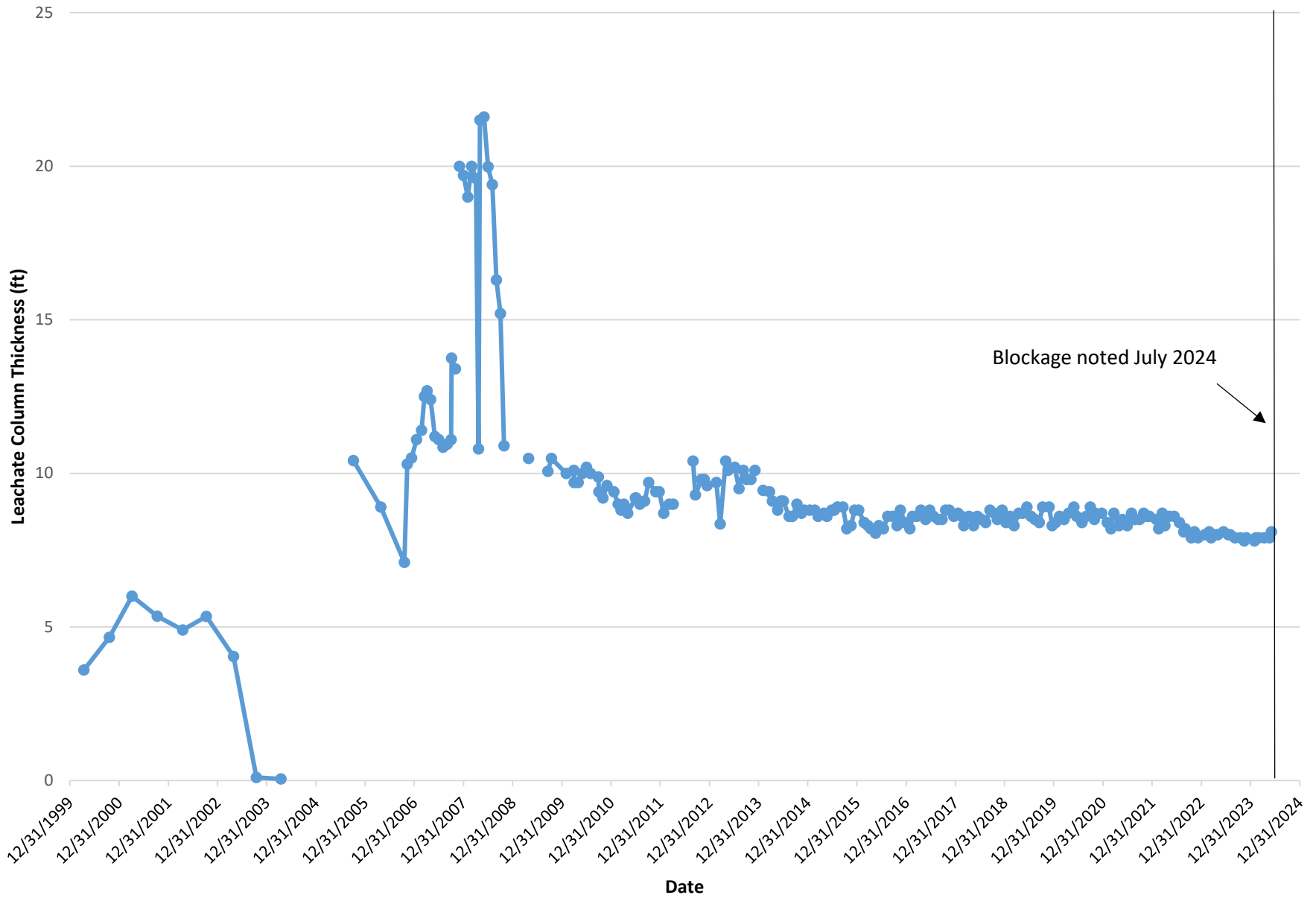
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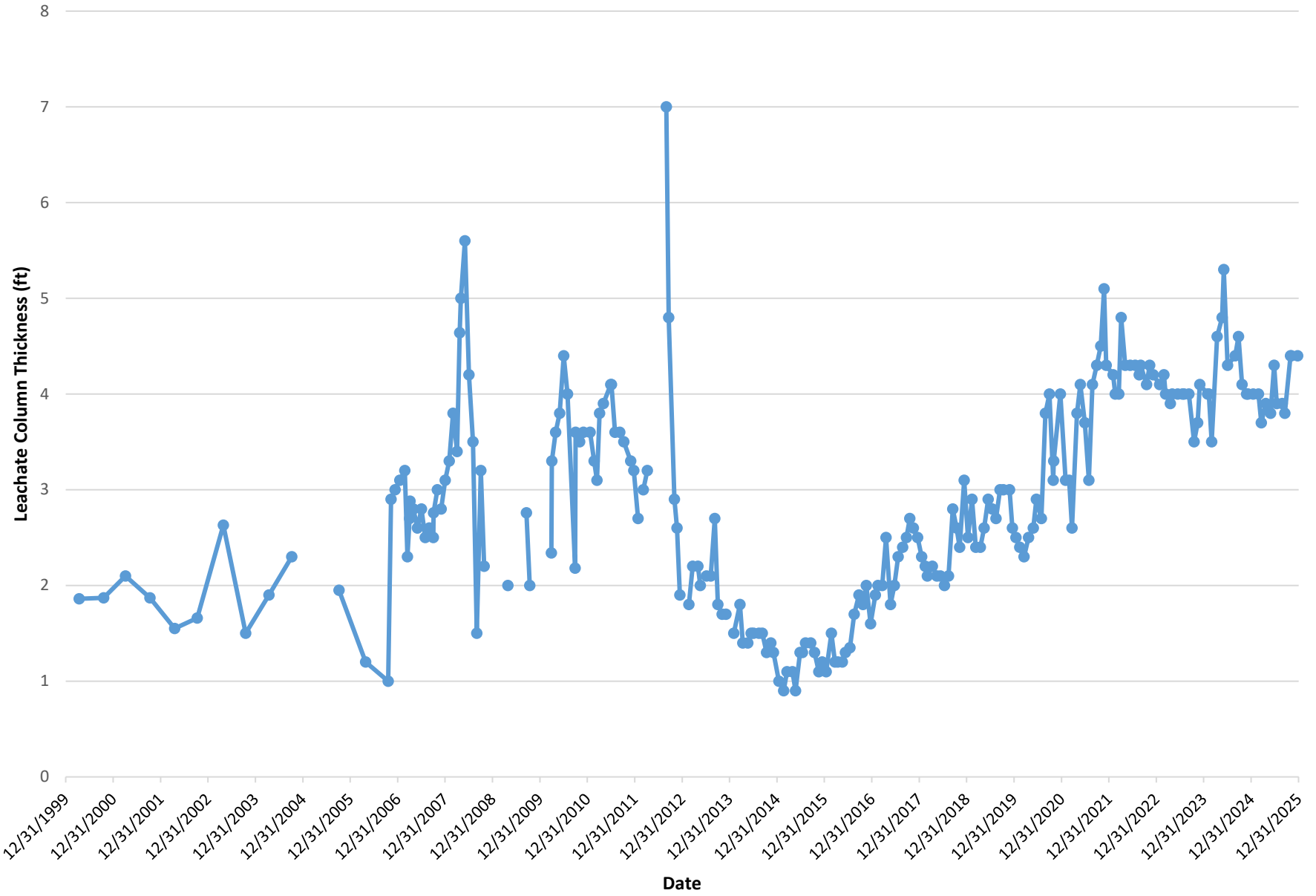
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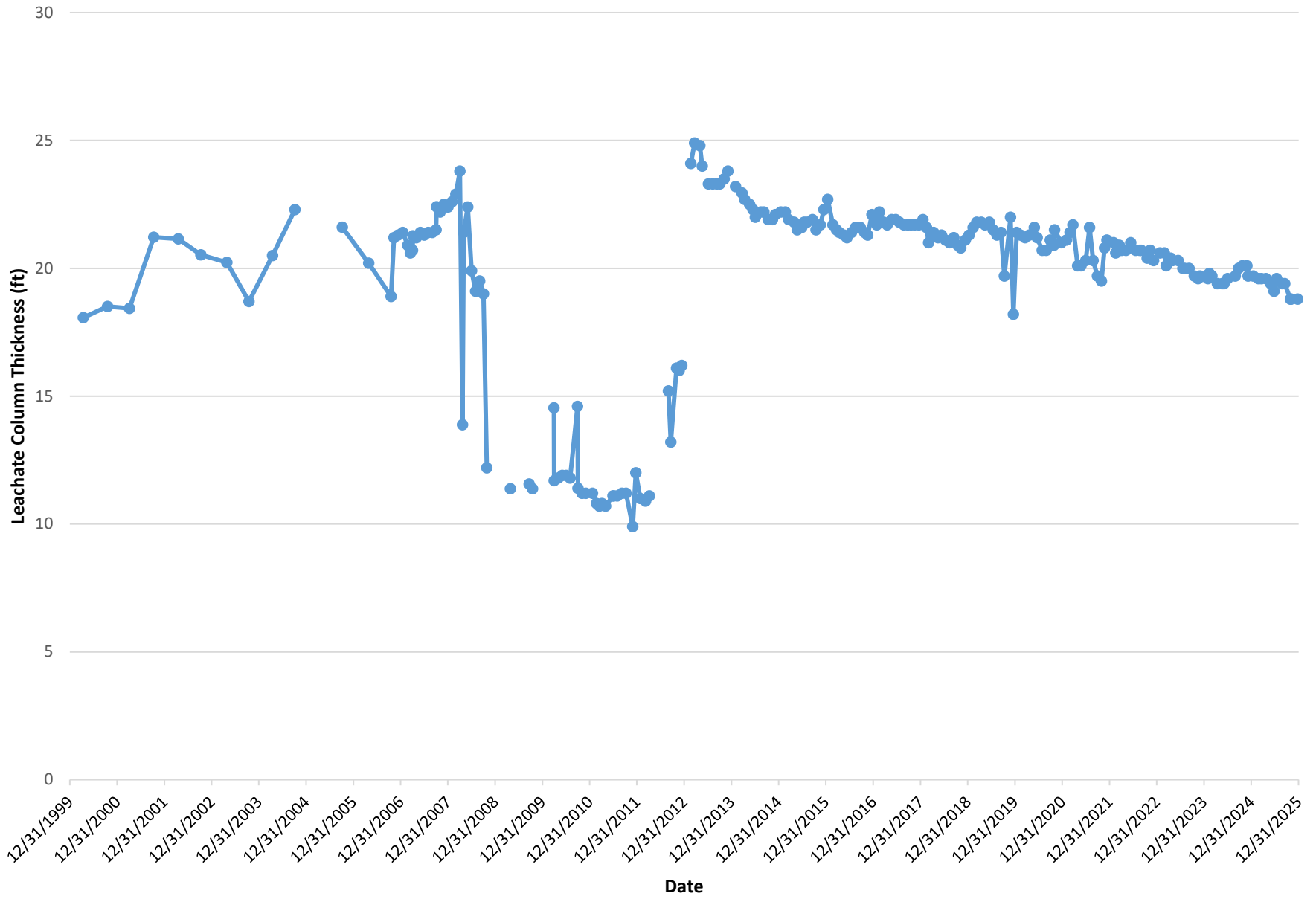
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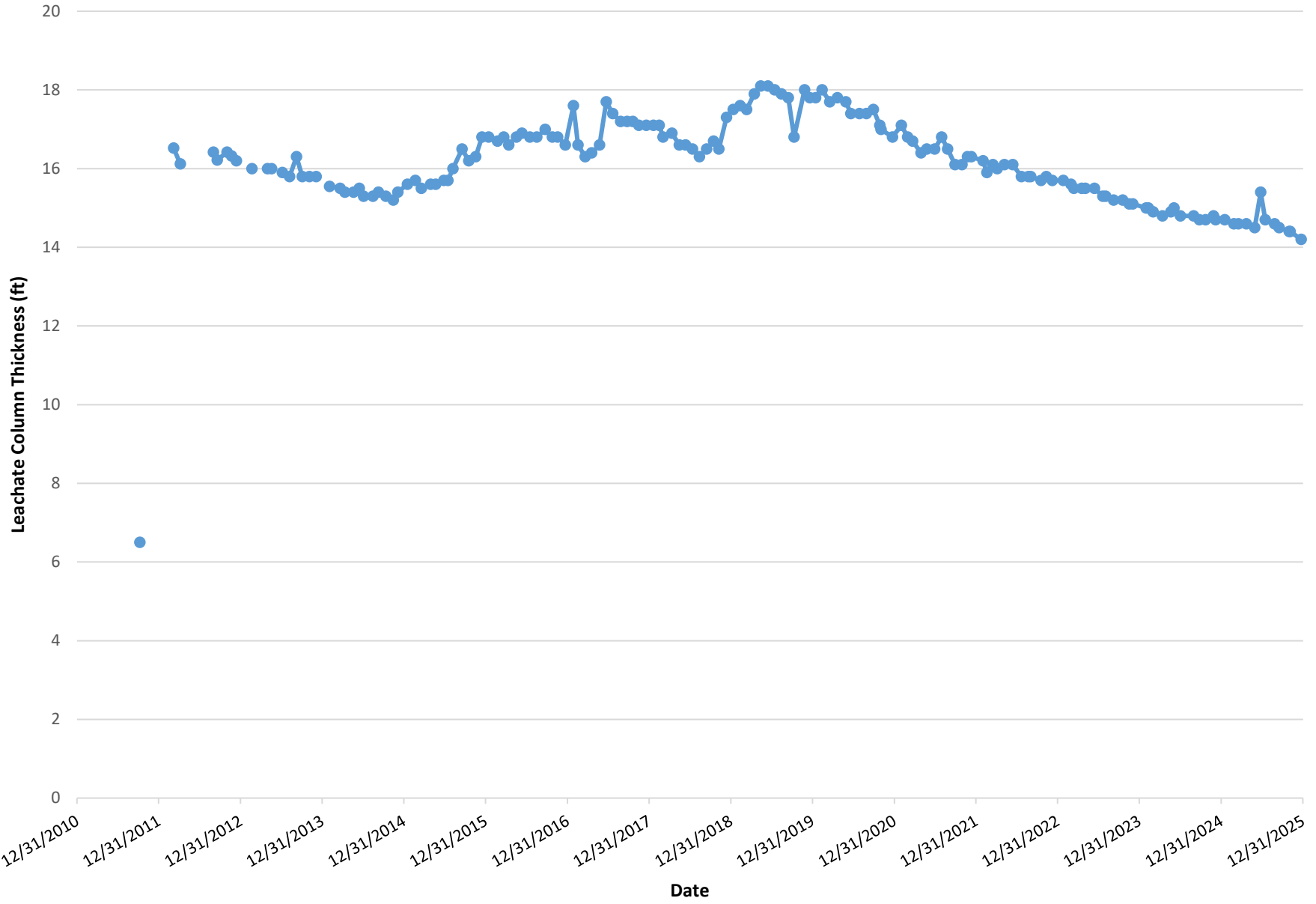
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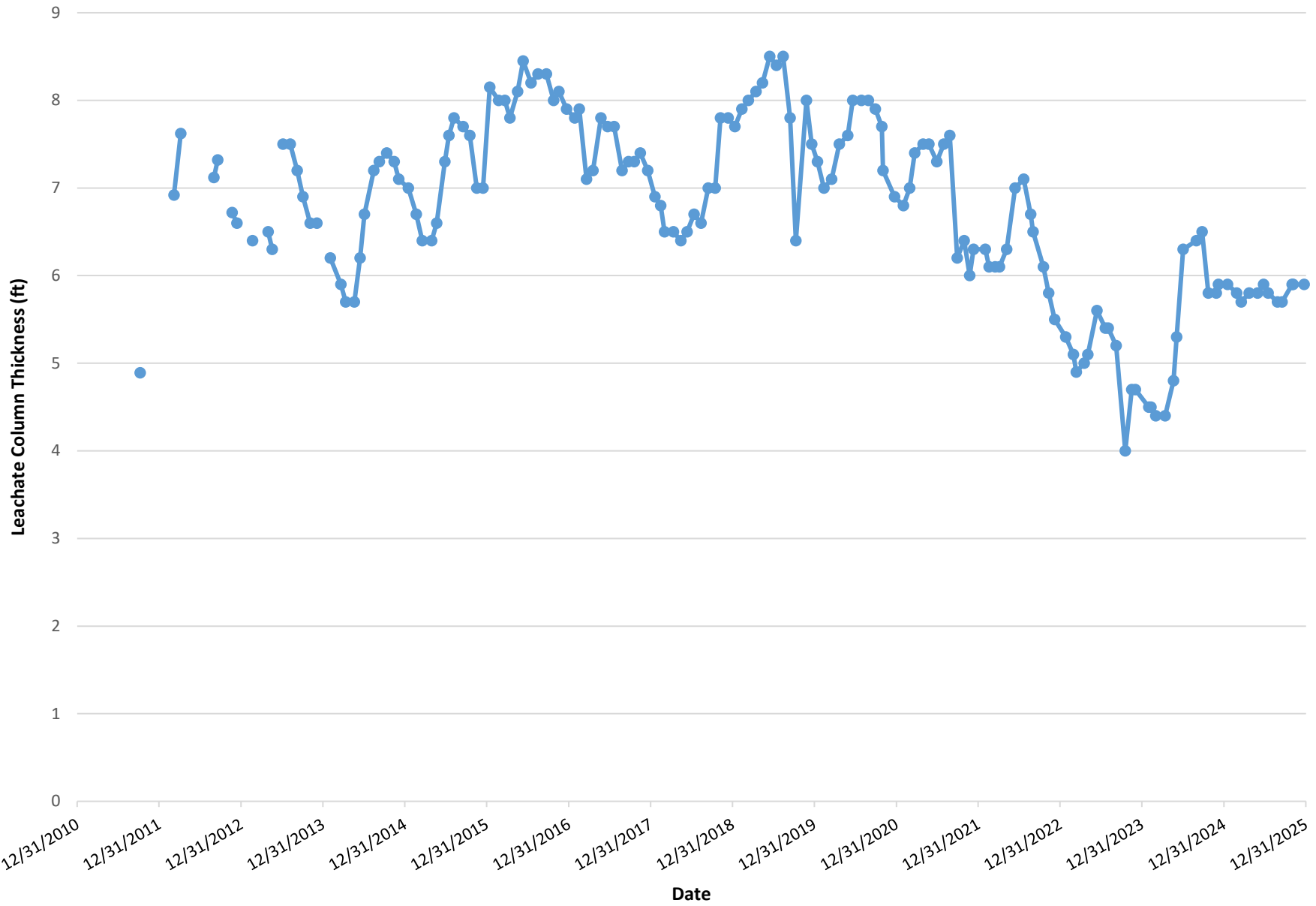
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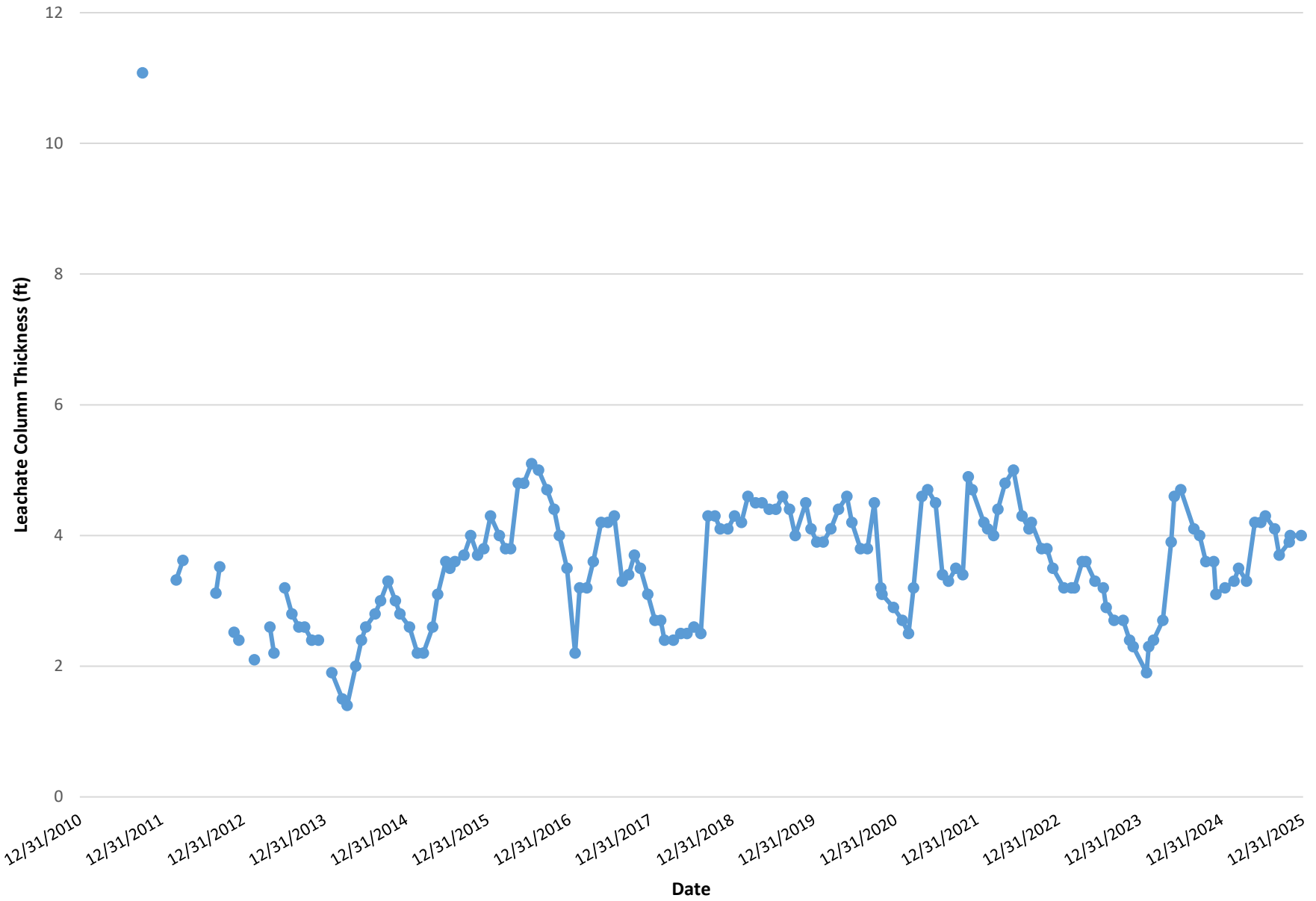
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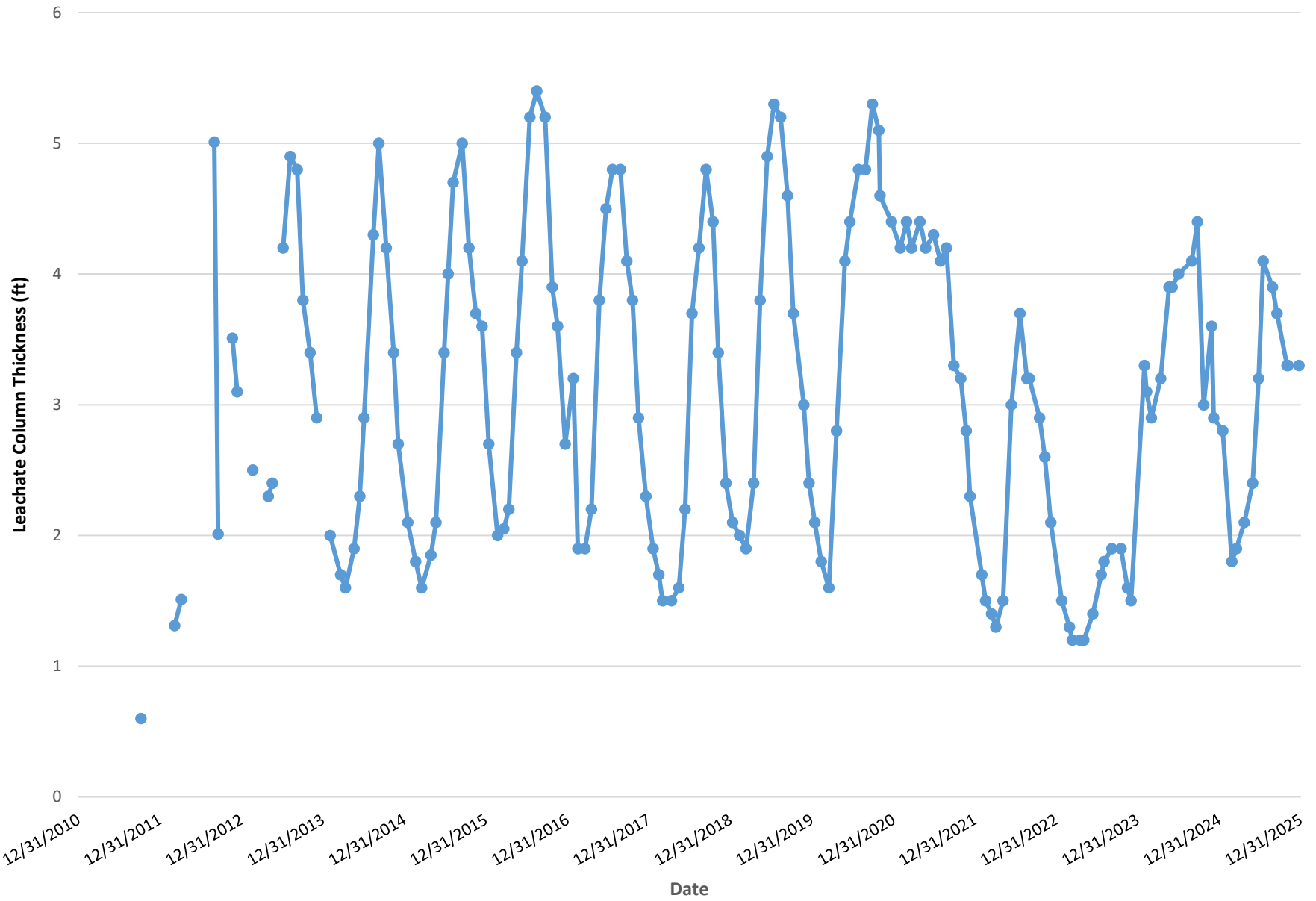
LPZ-11



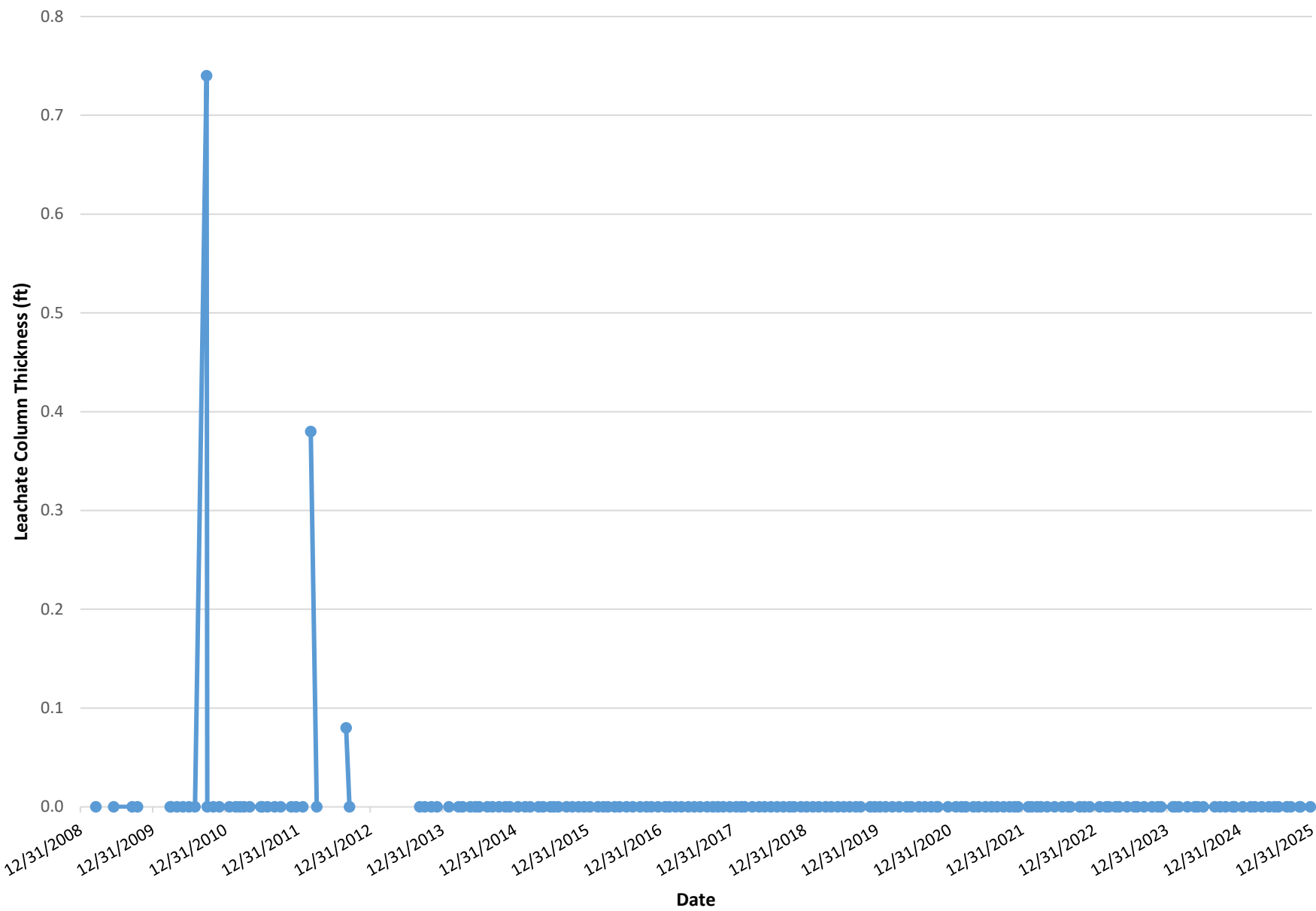
LPZ-12



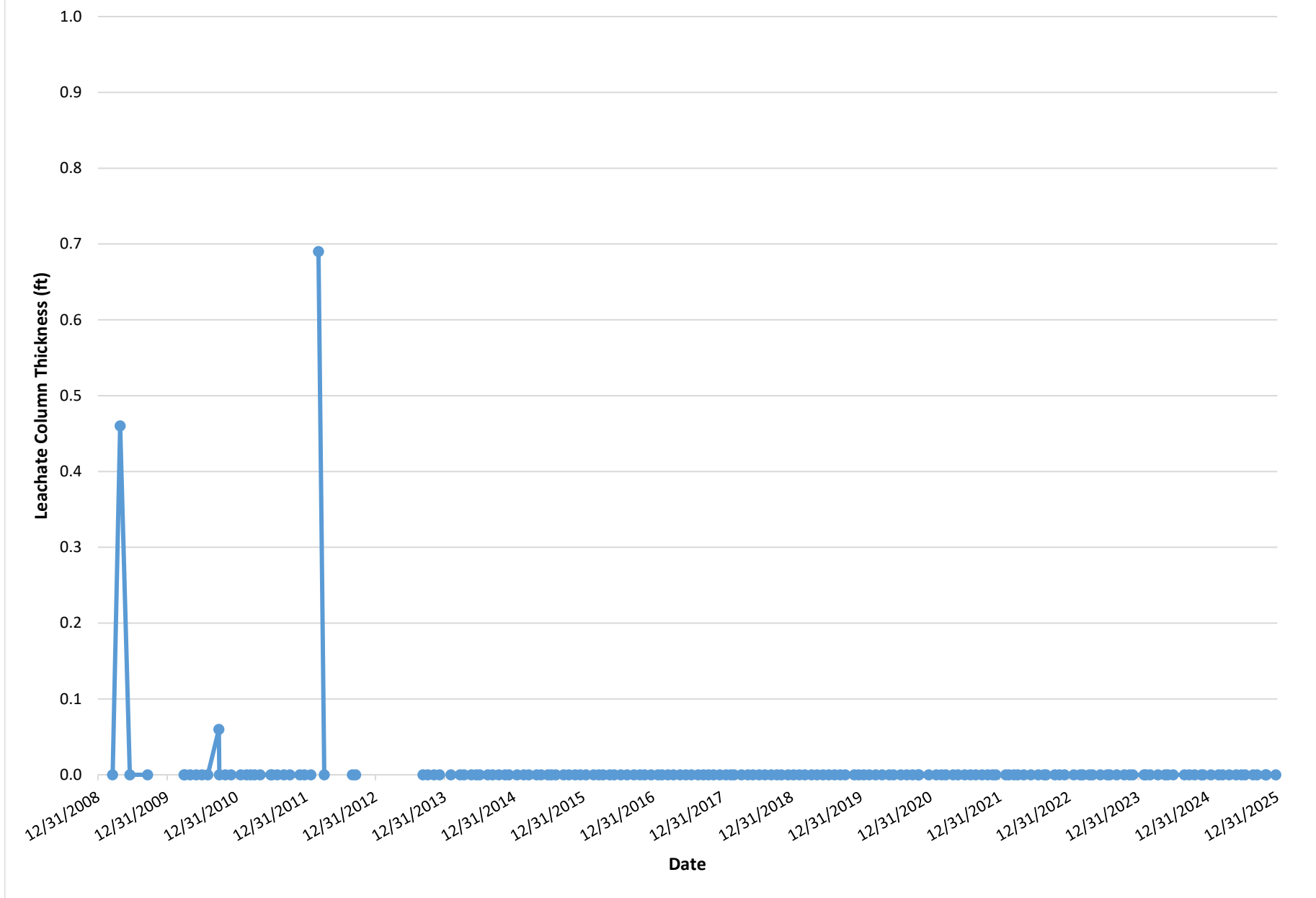
LPZ-13



LPZ-1



LPZ-2



Attachment B

Leachate Quality Testing Results



ANALYTICAL REPORT

PREPARED FOR

Attn: Bret Stephens
Waste Connections, Inc.
1704 L Ave
Red Oak, Iowa 51566
Generated 6/9/2025 7:55:23 AM

JOB DESCRIPTION

Montgomery County Landfill

JOB NUMBER

310-307815-1

Eurofins Cedar Falls

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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6/9/2025 7:55:23 AM

Authorized for release by
Zach Bindert, Senior Project Manager
Zach.Bindert@et.eurofinsus.com
(319)595-2016

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Case Narrative

Client: Waste Connections, Inc.
Project: Montgomery County Landfill

Job ID: 310-307815-1

Job ID: 310-307815-1

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Job Narrative 310-307815-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 6/4/2025 9:05 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Sample Summary

Client: Waste Connections, Inc.
Project/Site: Montgomery County Landfill

Job ID: 310-307815-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-307815-1	Montgomery County Leachate	Water	06/03/25 11:00	06/04/25 09:05

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Detection Summary

Client: Waste Connections, Inc.
Project/Site: Montgomery County Landfill

Job ID: 310-307815-1

Client Sample ID: Montgomery County Leachate

Lab Sample ID: 310-307815-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Kjeldahl Nitrogen	1.83		1.00		mg/L	1		351.2	Total/NA
Total Suspended Solids	5.0		5.0		mg/L	1		I-3765-85	Total/NA
pH	9.4	HF	1.0		SU	1		SM 4500 H+ B	Total/NA
Biochemical Oxygen Demand	4.03		3.00		mg/L	1		SM 5210B	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: Montgomery County Landfill

Job ID: 310-307815-1

Client Sample ID: Montgomery County Leachate

Lab Sample ID: 310-307815-1

Date Collected: 06/03/25 11:00

Matrix: Water

Date Received: 06/04/25 09:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil and Grease) (40CFR136A 1664A)	<4.8		4.8		mg/L		06/06/25 06:00	06/06/25 06:00	1
Ammonia as N (EPA 350.1)	<0.500		0.500		mg/L		06/06/25 08:57	06/06/25 17:03	1
Total Kjeldahl Nitrogen (EPA 351.2)	1.83		1.00		mg/L		06/05/25 12:15	06/05/25 17:58	1
Total Suspended Solids (USGS I-3765-85)	5.0		5.0		mg/L			06/04/25 16:14	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	9.4	HF	1.0		SU			06/04/25 13:32	1
Biochemical Oxygen Demand (SM 5210B)	4.03		3.00		mg/L			06/04/25 10:20	1

Definitions/Glossary

Client: Waste Connections, Inc.
Project/Site: Montgomery County Landfill

Job ID: 310-307815-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: Montgomery County Landfill

Job ID: 310-307815-1

Method: 1664A - HEM and SGT-HEM by Extraction and Gravimetry

Lab Sample ID: MB 310-456668/1-A
Matrix: Water
Analysis Batch: 456840

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456668

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil and Grease)	<5.0		5.0		mg/L		06/06/25 06:00	06/06/25 06:00	1

Lab Sample ID: LCS 310-456668/2-A
Matrix: Water
Analysis Batch: 456840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456668

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil and Grease)	40.0	35.40		mg/L		89	78 - 114

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 310-456783/1-A
Matrix: Water
Analysis Batch: 456875

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456783

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	<0.500		0.500		mg/L		06/06/25 08:57	06/06/25 16:56	1

Lab Sample ID: LCS 310-456783/2-A
Matrix: Water
Analysis Batch: 456875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456783

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	4.00	3.739		mg/L		93	90 - 110

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 310-456681/1-A
Matrix: Water
Analysis Batch: 456769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456681

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	<1.00		1.00		mg/L		06/05/25 12:15	06/05/25 17:54	1

Lab Sample ID: LCS 310-456681/2-A
Matrix: Water
Analysis Batch: 456769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456681

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Kjeldahl Nitrogen	4.01	4.382		mg/L		109	90 - 110

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-456652/1
Matrix: Water
Analysis Batch: 456652

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			06/04/25 16:14	1

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QC Sample Results

Client: Waste Connections, Inc.
Project/Site: Montgomery County Landfill

Job ID: 310-307815-1

Method: I-3765-85 - Residue, Non-filterable (TSS) (Continued)

Lab Sample ID: LCS 310-456652/2

Matrix: Water

Analysis Batch: 456652

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	98.00		mg/L		98	82 - 117

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 310-456616/1

Matrix: Water

Analysis Batch: 456616

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	98 - 102

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 310-456581/1

Matrix: Water

Analysis Batch: 456581

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<3.00		3.00		mg/L			06/04/25 09:44	1

Lab Sample ID: LCS 310-456581/2

Matrix: Water

Analysis Batch: 456581

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	198	202.1		mg/L		102	85 - 115

QC Association Summary

Client: Waste Connections, Inc.
Project/Site: Montgomery County Landfill

Job ID: 310-307815-1

General Chemistry

Analysis Batch: 456581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-307815-1	Montgomery County Leachate	Total/NA	Water	SM 5210B	
USB 310-456581/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 310-456581/2	Lab Control Sample	Total/NA	Water	SM 5210B	

Analysis Batch: 456616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-307815-1	Montgomery County Leachate	Total/NA	Water	SM 4500 H+ B	
LCS 310-456616/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 456652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-307815-1	Montgomery County Leachate	Total/NA	Water	I-3765-85	
MB 310-456652/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-456652/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Prep Batch: 456668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-307815-1	Montgomery County Leachate	Total/NA	Water	1664A	
MB 310-456668/1-A	Method Blank	Total/NA	Water	1664A	
LCS 310-456668/2-A	Lab Control Sample	Total/NA	Water	1664A	

Prep Batch: 456681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-307815-1	Montgomery County Leachate	Total/NA	Water	351.2	
MB 310-456681/1-A	Method Blank	Total/NA	Water	351.2	
LCS 310-456681/2-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 456769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-307815-1	Montgomery County Leachate	Total/NA	Water	351.2	456681
MB 310-456681/1-A	Method Blank	Total/NA	Water	351.2	456681
LCS 310-456681/2-A	Lab Control Sample	Total/NA	Water	351.2	456681

Prep Batch: 456783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-307815-1	Montgomery County Leachate	Total/NA	Water	Distill/Ammonia	
MB 310-456783/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 310-456783/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 456840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-307815-1	Montgomery County Leachate	Total/NA	Water	1664A	456668
MB 310-456668/1-A	Method Blank	Total/NA	Water	1664A	456668
LCS 310-456668/2-A	Lab Control Sample	Total/NA	Water	1664A	456668

Analysis Batch: 456875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-307815-1	Montgomery County Leachate	Total/NA	Water	350.1	456783
MB 310-456783/1-A	Method Blank	Total/NA	Water	350.1	456783
LCS 310-456783/2-A	Lab Control Sample	Total/NA	Water	350.1	456783

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Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: Montgomery County Landfill

Job ID: 310-307815-1

Client Sample ID: Montgomery County Leachate

Lab Sample ID: 310-307815-1

Date Collected: 06/03/25 11:00

Matrix: Water

Date Received: 06/04/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664A			456668	DGU1	EET CF	06/06/25 06:00
Total/NA	Analysis	1664A		1	456840	DGU1	EET CF	06/06/25 06:00
Total/NA	Prep	Distill/Ammonia			456783	E6KR	EET CF	06/06/25 08:57
Total/NA	Analysis	350.1		1	456875	ZJX4	EET CF	06/06/25 17:03
Total/NA	Prep	351.2			456681	W9YR	EET CF	06/05/25 12:15
Total/NA	Analysis	351.2		1	456769	ZJX4	EET CF	06/05/25 17:58
Total/NA	Analysis	I-3765-85		1	456652	E6KR	EET CF	06/04/25 16:14
Total/NA	Analysis	SM 4500 H+ B		1	456616	W9YR	EET CF	06/04/25 13:32
Total/NA	Analysis	SM 5210B		1	456581	W9YR	EET CF	06/04/25 10:20

Laboratory References:
EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

Accreditation/Certification Summary

Client: Waste Connections, Inc.
Project/Site: Montgomery County Landfill

Job ID: 310-307815-1

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Waste Connections, Inc.
Project/Site: Montgomery County Landfill

Job ID: 310-307815-1

Method	Method Description	Protocol	Laboratory
1664A	HEM and SGT-HEM by Extraction and Gravimetry	40CFR136A	EET CF
350.1	Nitrogen, Ammonia	EPA	EET CF
351.2	Nitrogen, Total Kjeldahl	EPA	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
SM 4500 H+ B	pH	SM	EET CF
SM 5210B	BOD, 5-Day	SM	EET CF
1664A	HEM and SGT-HEM (SPE)	1664A	EET CF
351.2	Nitrogen, Total Kjeldahl	EPA	EET CF
Distill/Ammonia	Distillation, Ammonia	None	EET CF

Protocol References:

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

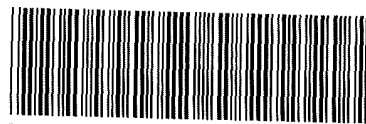
USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401



Environment Testing
America



310-307815 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Waste Connections</u>			
City/State: <u>CITY Red Oak</u> <u>STATE IA</u>		Project:	
Receipt Information			
Date/Time Received: <u>DATE 6/4/25</u> <u>TIME 0405</u>		Received By: <u>BP</u>	
Delivery Type: ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No If yes: Cooler ID: _____	
Multiple Coolers?		☐ Yes ☒ No If yes: Cooler # _____ of _____	
Cooler Custody Seals Present?		☒ Yes ☐ No If yes: Cooler custody seals intact? ☒ Yes ☐ No	
Sample Custody Seals Present?		☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No	
Trip Blank Present?		☐ Yes ☒ No If yes: Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>R</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>+ BP</u>		Corrected Temp (°C): _____	
• Sample Container Temperature			
Container(s) used:		<u>CONTAINER 1</u> <u>pl 250 ml 5</u> <u>CONTAINER 2</u>	
Uncorrected Temp (°C):		<u>1.8</u>	
Corrected Temp (°C):		<u>1.8</u>	
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE: If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			

[illegible]

Login Sample Receipt Checklist

Client: Waste Connections, Inc.

Job Number: 310-307815-1

Login Number: 307815

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Hirsch, Preston

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix F

2025 Landfill Gas Annual Report –

Prepared by Iowa Waste Services, LLC



LOESS HILLS REGIONAL SOLID WASTE LANDFILL

59722 290TH Street

Malvern, IA 51551

November 5, 2025

Mr. Mike Smith, P.E.
Iowa Department of Natural Resources
Land Quality Bureau
6200 Park Avenue
Des Moines, IA 50321

Re: **2025 Landfill Gas Annual Report, Montgomery County Sanitary Landfill
South MSWLF Unit & North MSWLF Unit (Closed), Permit No. 69-SDP-01-74P**

Dear Mike,

In general accordance with Iowa Administrative Code (IAC) 657-113.9(2), Iowa Waste Services, LLC., has completed the required quarterly landfill gas monitoring and landfill gas annual report for the South municipal solid waste landfill (MSWLF) unit and the closed North MSWLF unit at the Montgomery County Sanitary Landfill for the year 2025.

MONITORING ACTIVITIES

Monitoring activities for the 2025 landfill gas monitoring events were performed on March 21, June 20, August 19, & November 5, 2025. Facility personnel performed the monitoring activities which included monitoring for methane (CH₄), carbon dioxide (CO₂), and oxygen (O₂) at the applicable monitoring locations. A Landtec GEM 5000 gas analyzer was used to monitor all of the applicable monitoring locations at the facility during each quarterly monitoring event.

SUMMARY OF FINDINGS

Methane was not detected at any of the applicable site monitoring locations at or above regulatory limits during any of the 2025 quarterly monitoring events. The results of the events are included in the enclosed Landfill Gas Monitoring Summary Table along with a Methane Monitoring Network Figure.

Thanks,

A blue ink signature of Bret Stephens, consisting of stylized initials and a surname.

Bret Stephens
Iowa Waste Services, LLC

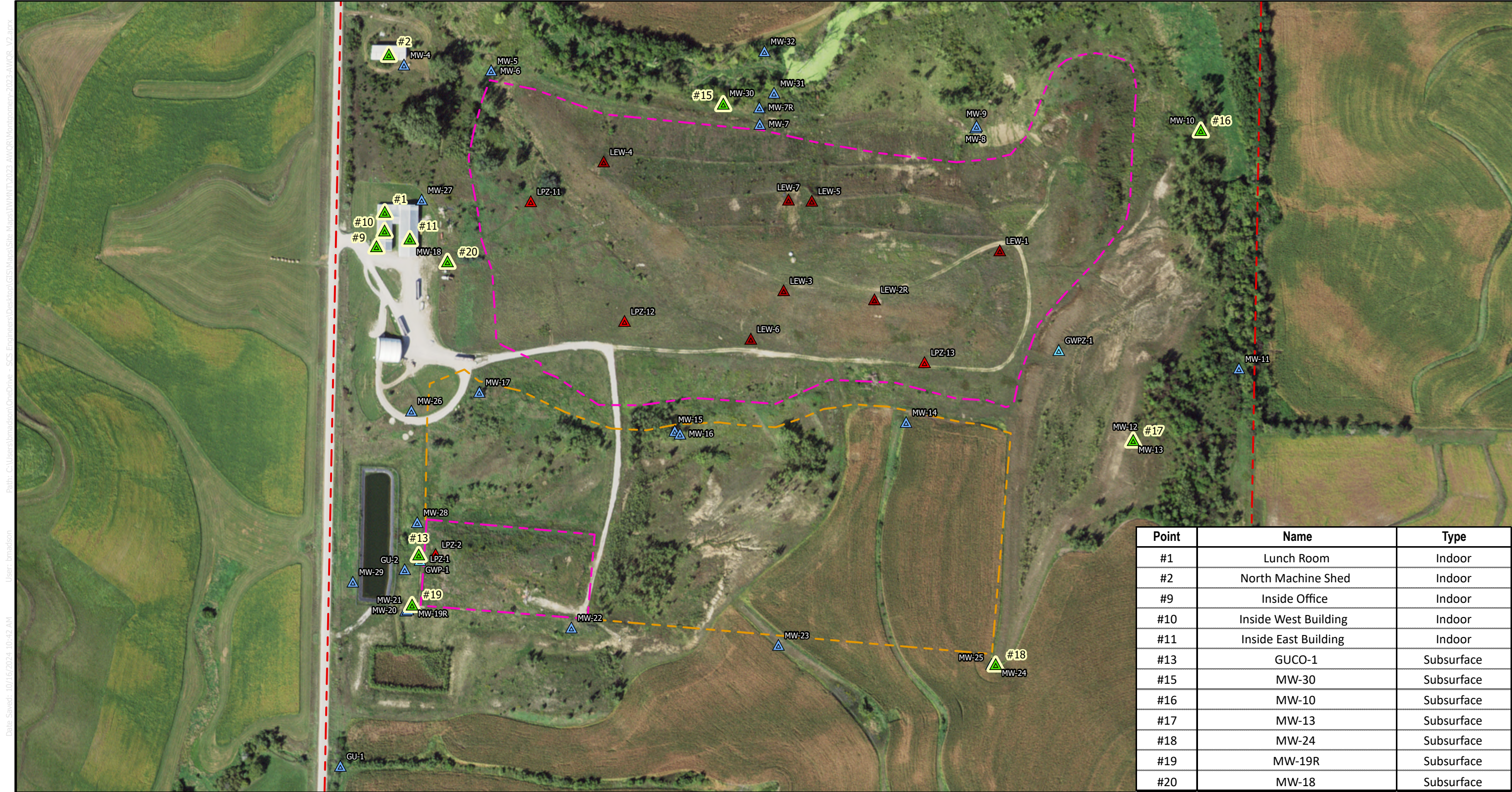
cc: Kelly Danielson, Iowa Waste Services, LLC
Ryan Mitchell, Iowa Waste Services, LLC
Rachel Hanigan, Iowa Waste Services, LLC
Chaz Roberts, Iowa Waste Services, LLC

Encl. Landfill Gas Monitoring Summary Table
Methane Monitoring Network Figure

Landfill Gas Monitoring Summary Table
Montgomery County Landfill
Permit No. 69-SDP-01-74P

Monitoring Points				Methane Results (% LEL)							
Point #	Name	Type	Description	3/21/2025	S (Y/N)	6/20/2025	S (Y/N)	8/19/2025	S (Y/N)	11/5/2025	S (Y/N)
1	Lunch Room	Indoor	Lunch Room in Center	0.0		0.0		0.0		0.0	
2	North Machine Shed	Indoor	Inside North Machine Shed	0.0		0.0		0.0		0.0	
9	Inside Office	Indoor	Inside Office	0.0		0.0		0.0		0.0	
10	Inside West Building	Indoor	Inside West Building	0.0		0.0		0.0		0.0	
11	Inside East Building	Indoor	Inside East Building	0.0		0.0		0.0		0.0	
13	GUCO-1	Subsurface	Vadose zone under South 2005LEP MSWLF unit Phases 0,1,2 westend	0.0		0.0		0.0		0.0	
15	MW-30	Subsurface	Groundwater Monitoring Well for North MSWLF unit	0.0	N	0.0	N	0.0	N	0.0	N
16	MW-10	Subsurface	Groundwater Monitoring Well for North MSWLF unit	0.0	N	0.0	N	0.0	N	0.0	N
17	MW-13	Subsurface	Groundwater Monitoring Well for North MSWLF unit	0.0	N	0.0	N	0.0	N	0.0	N
18	MW-24	Subsurface	Groundwater Monitoring Well for South MSWLF unit	0.0	N	0.0	N	0.0	Y	0.0	N
19	MW-19R	Subsurface	Groundwater Monitoring Well for South MSWLF unit	0.0	N	0.0	N	0.0	N	0.0	N
20	MW-18	Subsurface	Groundwater Monitoring Well for North MSWLF unit	0.0	N	0.0	N	0.0	N	0.0	N

Notes:
S(Y/N) - Was screen submerged, yes or no or blank is non-applicable



Point	Name	Type
#1	Lunch Room	Indoor
#2	North Machine Shed	Indoor
#9	Inside Office	Indoor
#10	Inside West Building	Indoor
#11	Inside East Building	Indoor
#13	GU-1	Subsurface
#15	MW-30	Subsurface
#16	MW-10	Subsurface
#17	MW-13	Subsurface
#18	MW-24	Subsurface
#19	MW-19R	Subsurface
#20	MW-18	Subsurface



Site Map

Recommended Landfill Gas Monitoring Point

Monitoring Point

Groundwater Piezometer

Leachate Piezometer

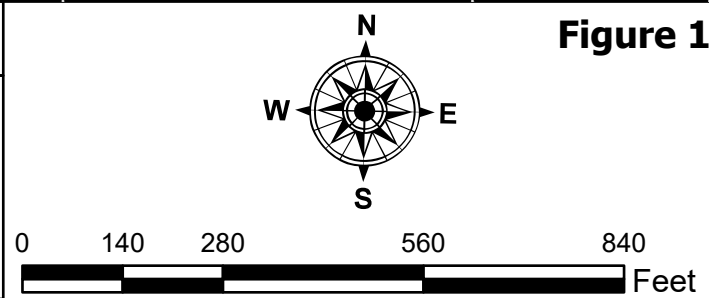
Leachate Extraction Well

Future Waste Boundary

Approximate Waste Boundary

Property Boundary

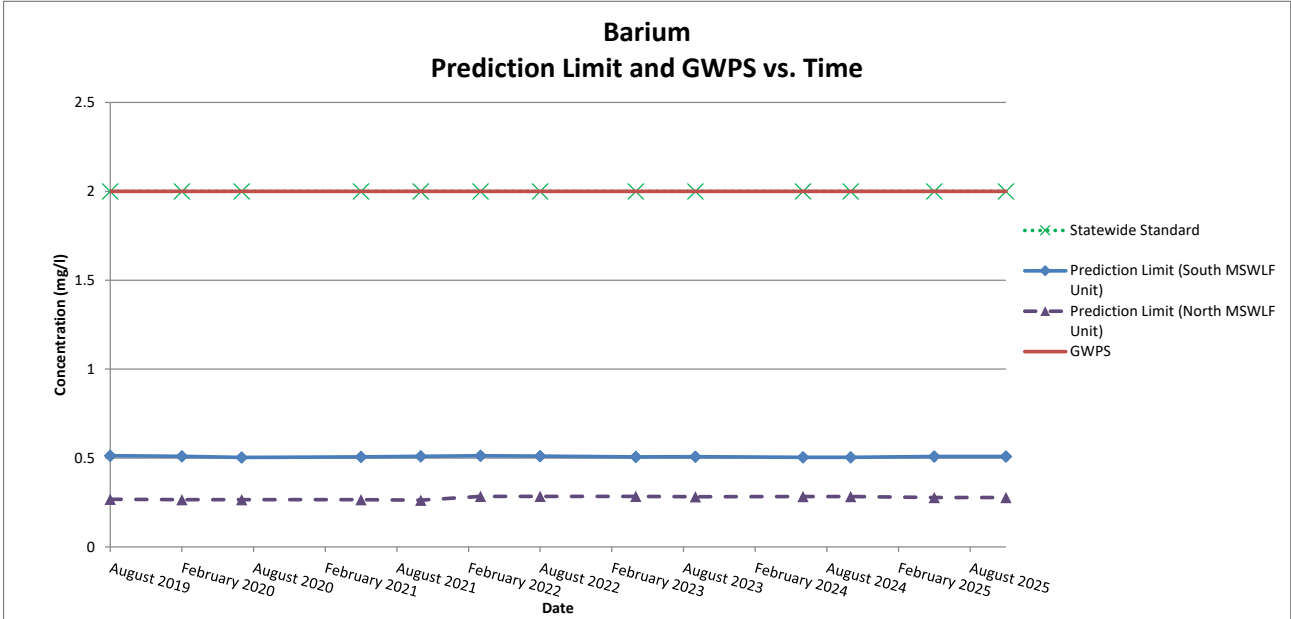
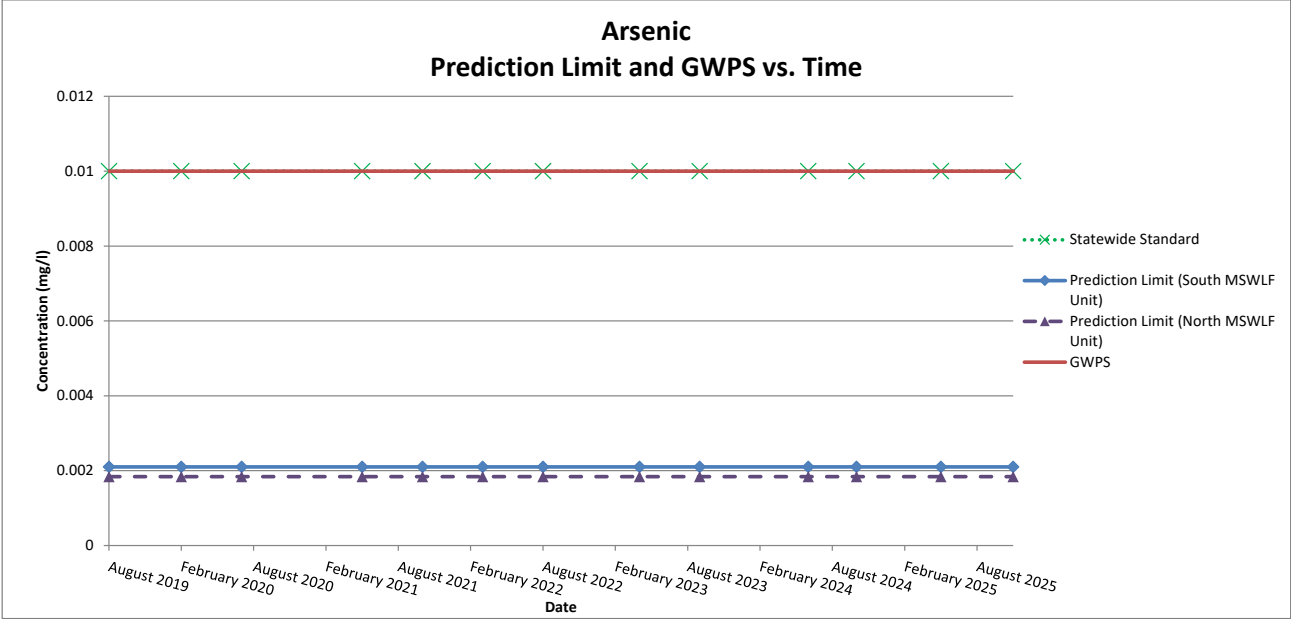
Montgomery County Sanitary Landfill
Red Oak, Iowa
Project No: 27225095.02
Drawing Date: March 2025

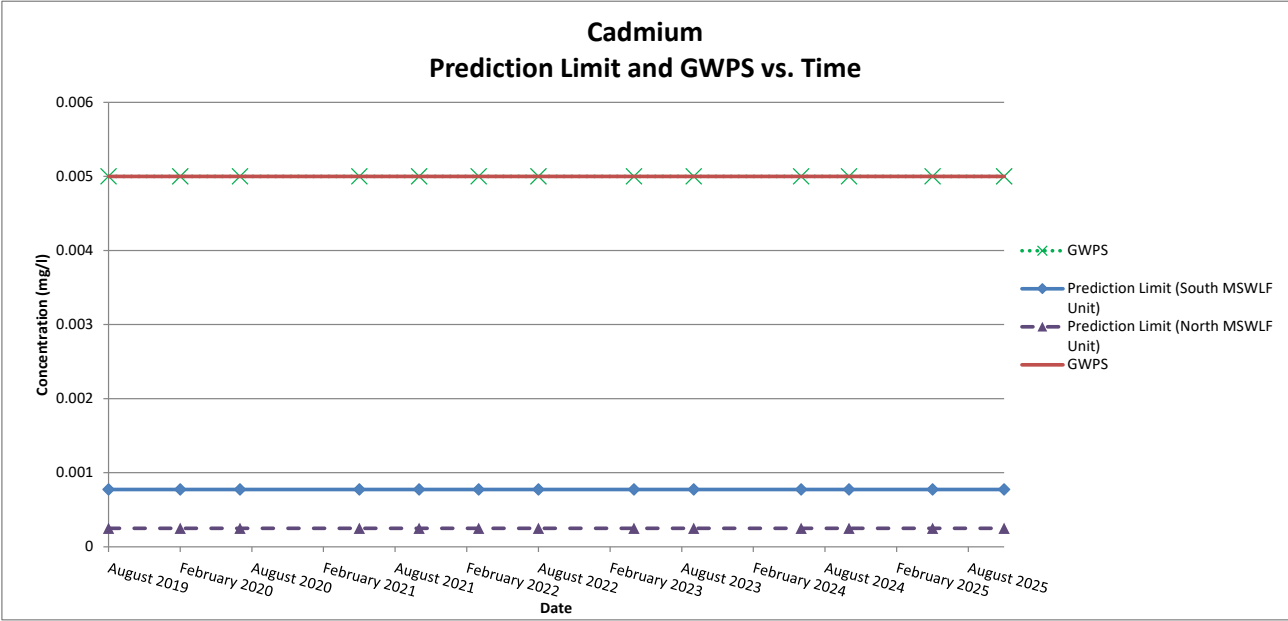
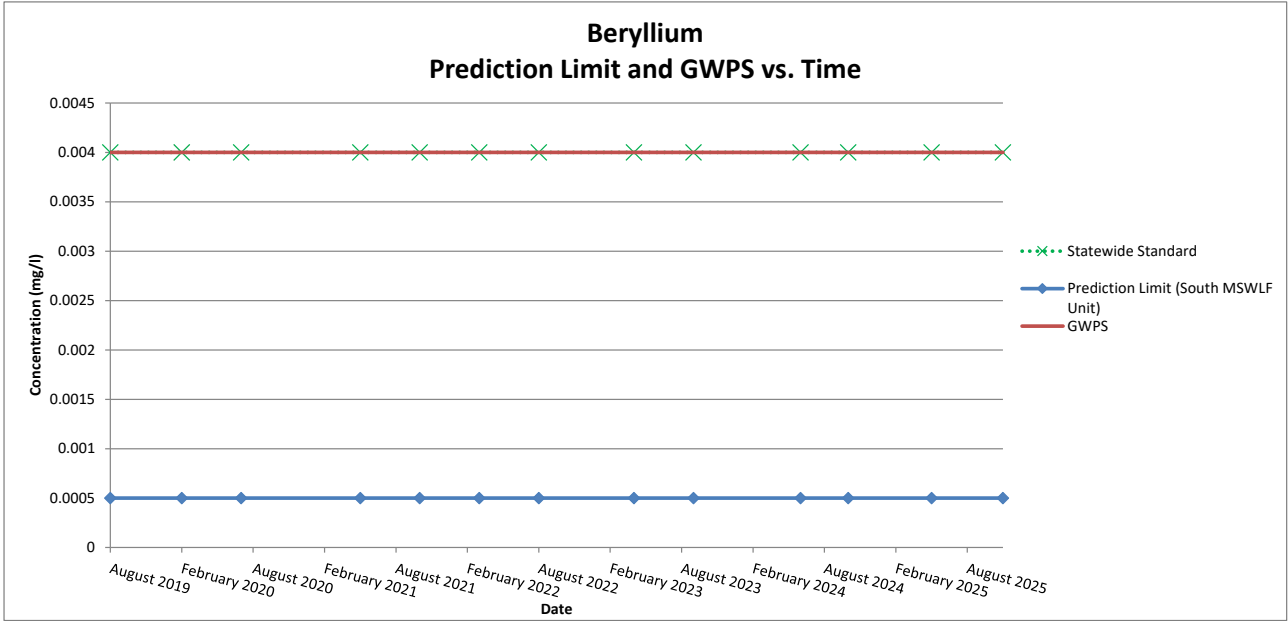




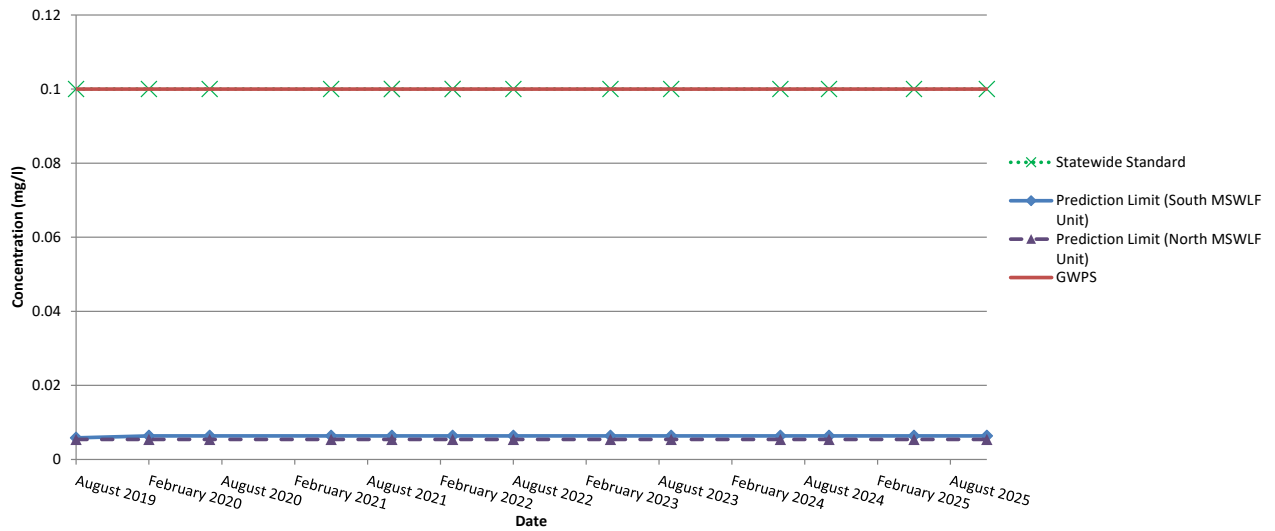
Appendix G

Standards History Graphs

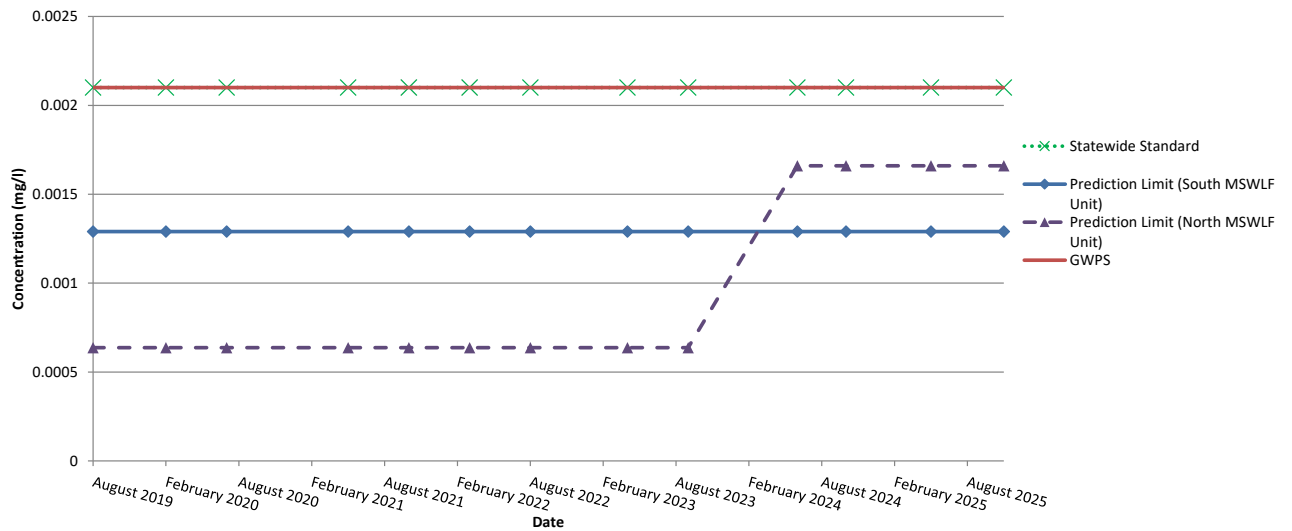




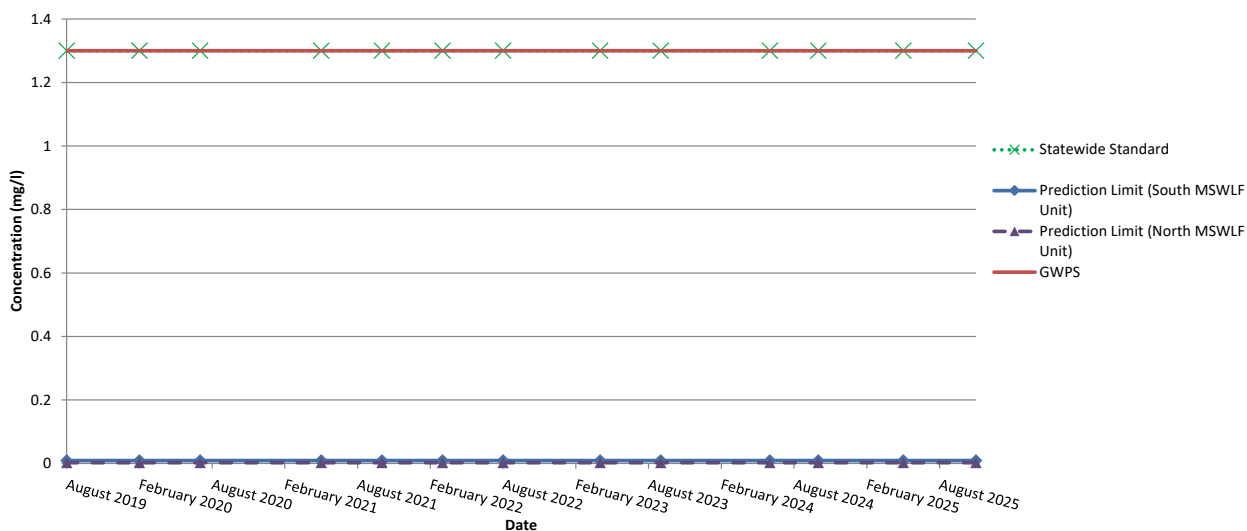
Chromium Prediction Limit and GWPS vs. Time



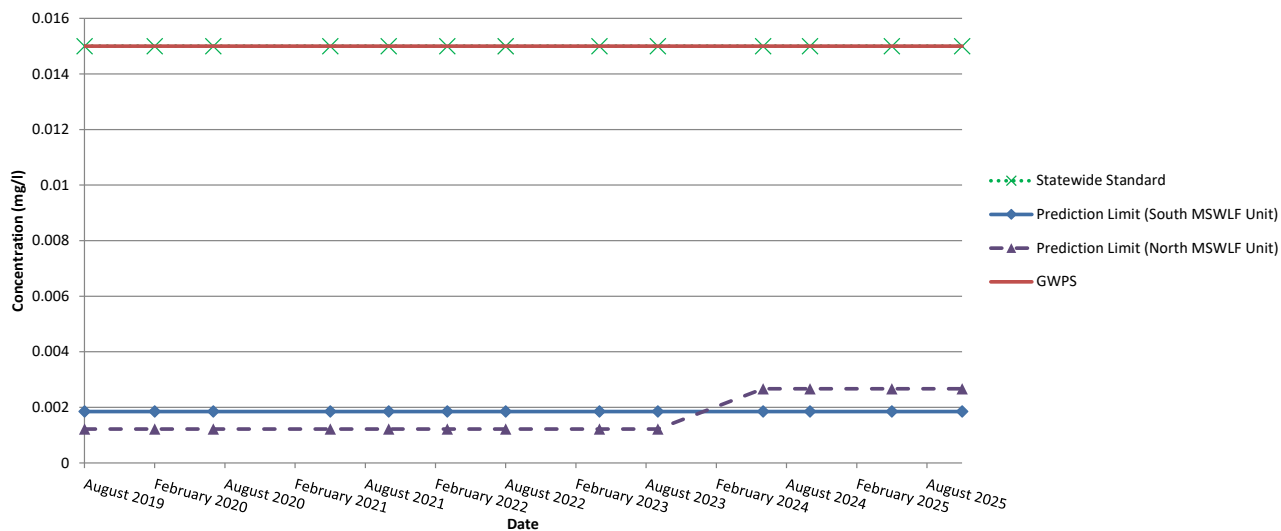
Cobalt Prediction Limit and GWPS vs. Time

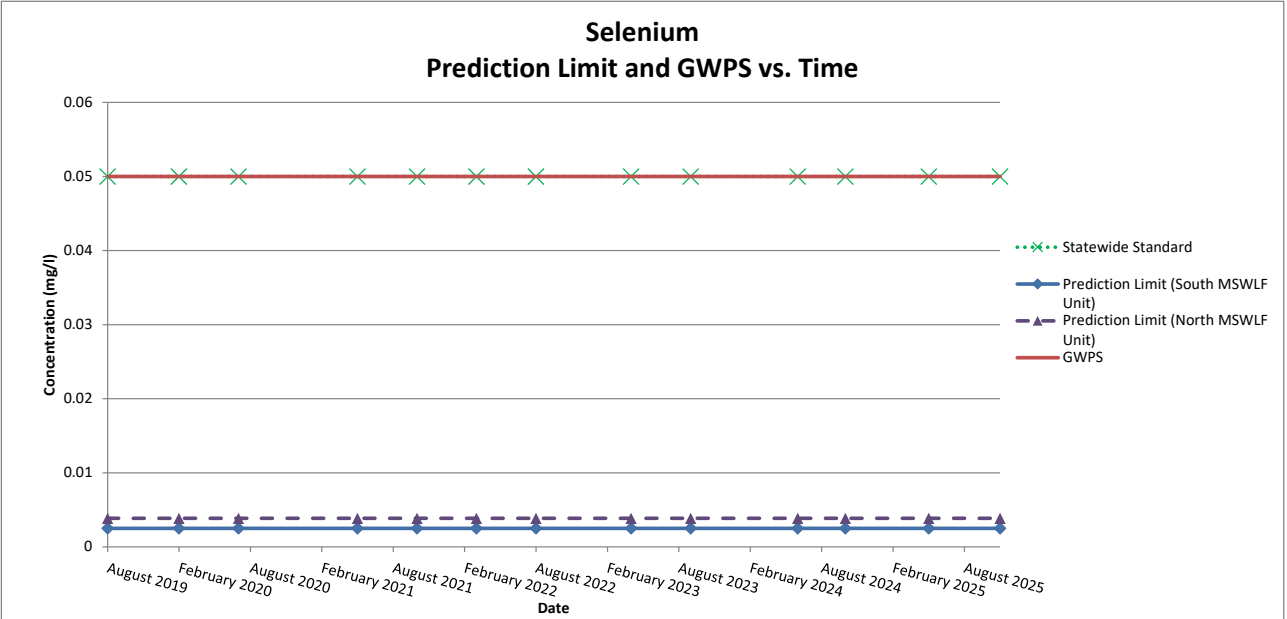
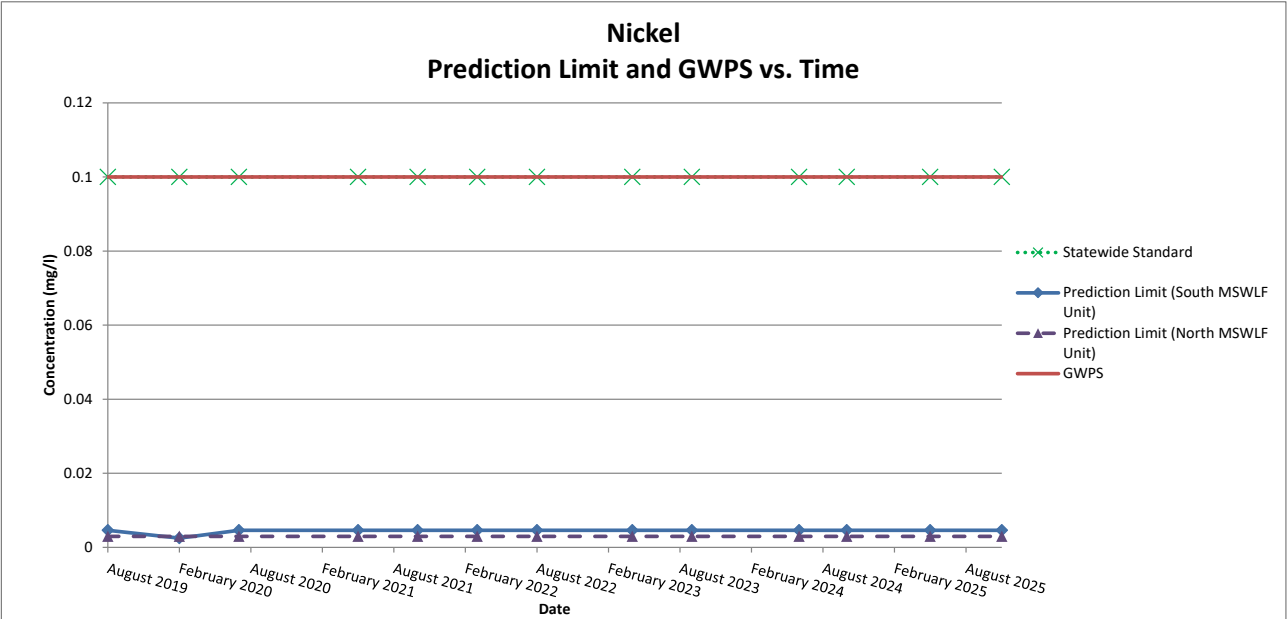


Copper Prediction Limit and GWPS vs. Time

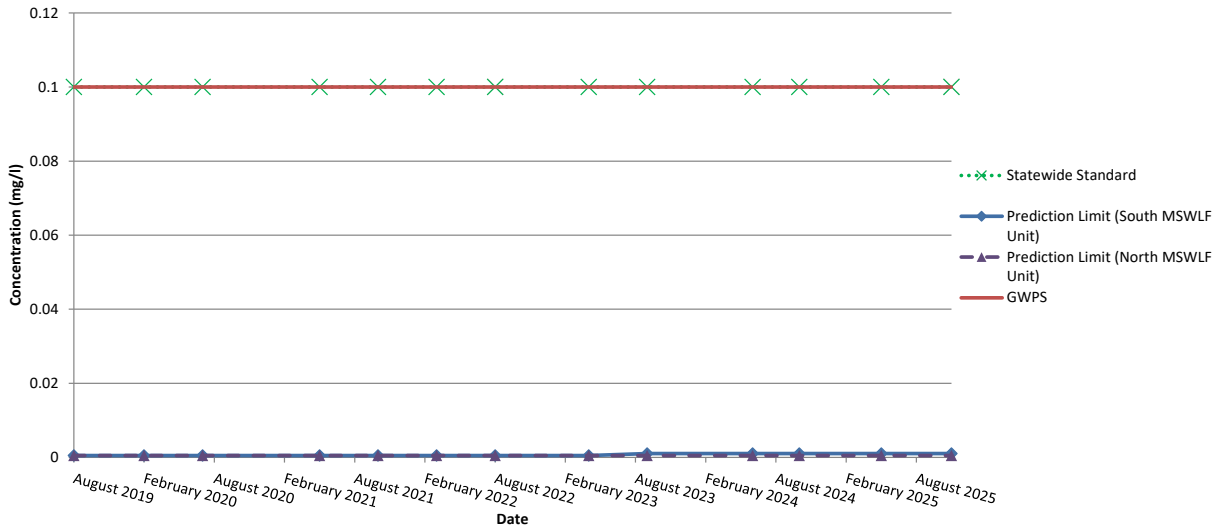


Lead Prediction Limit and GWPS vs. Time

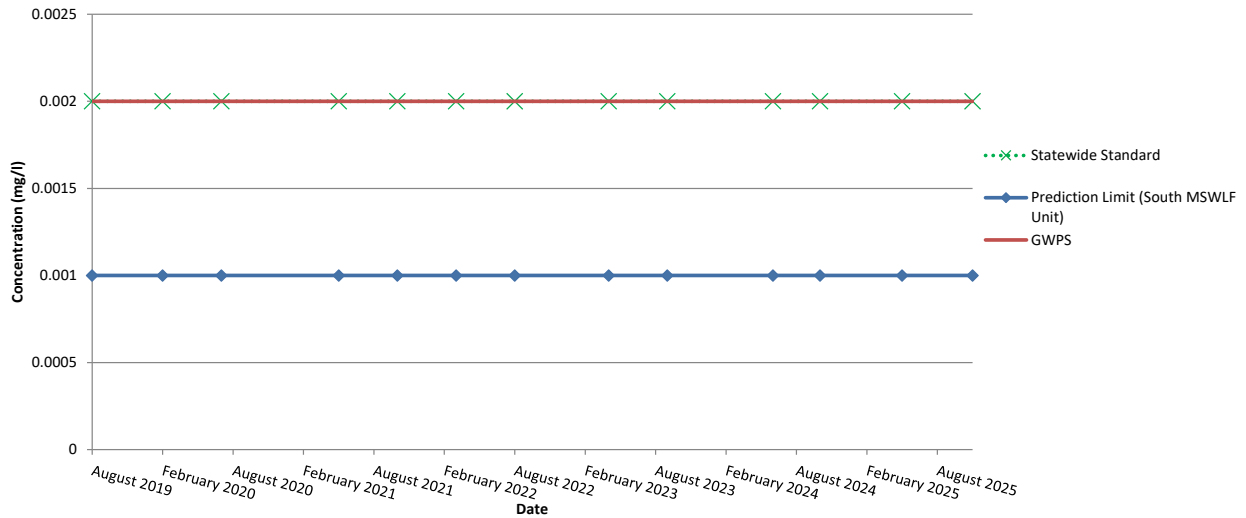




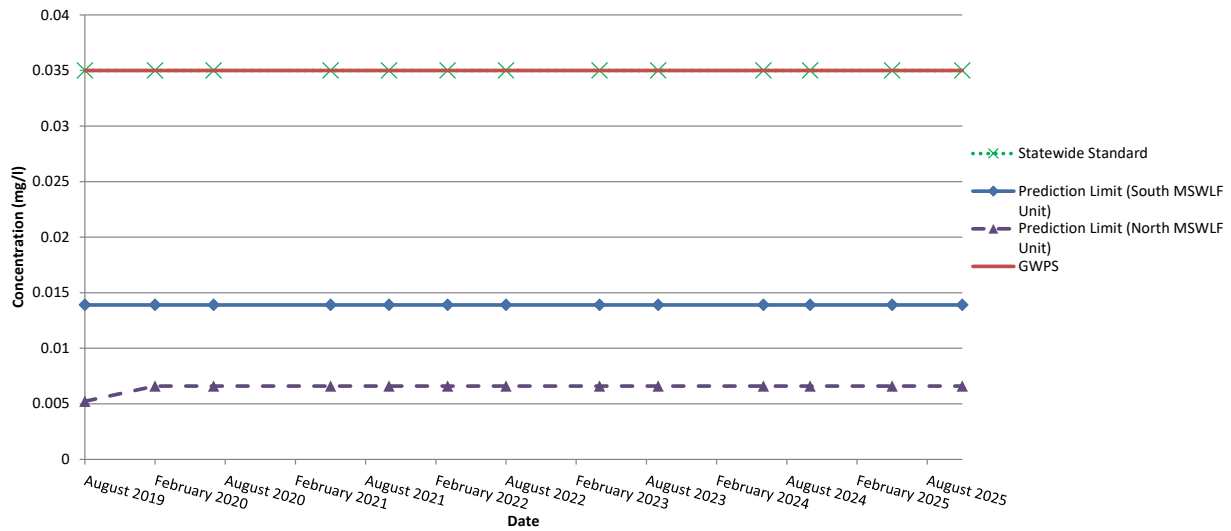
Silver Prediction Limit and GWPS vs. Time



Thallium Prediction Limit and GWPS vs. Time



Vanadium
Prediction Limit and GWPS vs. Time



Zinc
Prediction Limit and GWPS vs. Time

