SCS ENGINEERS

Transmittal

West Des Moines, IA

PROJECT:	Scott Co,FY26 Env Comp,IA 27225277.26	DATE:	5/6/2026
SUBJECT:	2026-05-06_Scott Area Landfill - 82-SDP-09-82P - 2025 Annual Water Quality Report, Leachate Control System Performance Evaluation Report, and Landfill Gas Annual Report	TRANSMITTAL ID:	00003
PURPOSE:	For your approval	VIA:	Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Nathan Ohrt West Des Moines, IA	SCS Engineers	NOhrt@scsengineers.com	+1-515-415-9220

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:

Good afternoon Mike-

SCS Engineers, on behalf of the Waste Commission of Scott County, is submitting for download the 2025 Annual Water Quality Report, Leachate Control System Performance Evaluation Report, and Landfill Gas Annual Report for the Scott Area Landfill. If you have any questions or comments regarding these reports, please contact me at the number below. Thank you.

Nathan Ohrt
Senior Project Professional
SCS Engineers
West Des Moines, Iowa
319-331-9613
nohrt@scsengineers.com

Driven by Client Success
www.scsengineers.com

Transmittal

DATE: 5/6/2026
TRANSMITTAL ID: 00003

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	5/6/2026	2026-05-06_Scott Area Landfill - 82-SDP-09-82P - 2025 Annual Water Quality Report, Leachate Control System Performance Evaluation Report, and Landfill Gas Annual Report.pdf	

COPIES:

Tim Buelow	(SCS Engineers)
Nathan Ohrt	(SCS Engineers)
Bryce Stalcup	(Waste Commission of Scott County)
Brian Seals	(Waste Commission of Scott County)
Becky Jolly	

May 6, 2026
File No. 27225277.26

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
Scott Area Landfill
Permit No. 82-SDP-09-92P

Dear Mike:

SCS Engineers, on behalf of the Waste Commission of Scott County, is submitting the 2025 Annual Water Quality Report, Leachate Control System Performance Evaluation Report, and Landfill Gas Annual Report for the Scott Area Landfill. The enclosed reports have been prepared in accordance with the requirements of Iowa Administrative Code (IAC) 567-113.10(5), 113.7(5)"b"(14), 113.9(2)"d", and the requirements specified in the operating permit and applicable revisions.

If you have any questions or comments regarding these reports, please contact Nathan Ohrt at (319) 331-9613.

Sincerely,

Nathan Ohrt
Senior Project Professional
SCS Engineers

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

NPO/TCB

Copies: Mr. Bryce Stalcup, Waste Commission of Scott County
Mr. Brian Seals, Waste Commission of Scott County

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

Scott Area Landfill
Buffalo, Iowa
Solid Waste Permit No. 82-SDP-09-92P

Prepared for:

Waste Commission of Scott County

SCS ENGINEERS

27225277.26 | May 2026

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

Table of Contents

Section Page

Certification ..... **iii**
Executive Summary ..... **iv**
ES.1 Period of Report Coverage iv
ES.2 Report Priority iv
ES.3 Site Status and Applicable Rules iv
ES.4 Comments iv
Acronyms/Abbreviations ..... **vi**
1.0 Site Background **1**
1.1 Site Location 1
1.2 Facility 1
1.3 Geology and Hydrogeology of the Site 1
2.0 Figures Discussion **3**
2.1 Figure 1 – Approved Monitoring Network 3
2.2 Figure 2 – Groundwater Contours 3
3.0 Standards History Graphs **4**
4.0 QA/QC Summary **4**
5.0 Data Evaluation **4**
6.0 Summary and Recommendations **5**
6.1 Site Impact on Groundwater 5
6.2 Proposed Monitoring Point Changes 6

Tables

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

Figures

Figure 1 Approved Monitoring Network
Figure 2 Groundwater Contours

Appendices

Appendix A Field Sampling Forms
Appendix B-1 Laboratory Analytical Data Sheets
Appendix B-2 Data Validation Documentation
Appendix C Reporting Period Summary of Groundwater Chemistry
Appendix D Statistical Method and Output
Appendix E 2025 Leachate Control System Performance Evaluation Report
Appendix F 2025 Landfill Gas Annual Report
Appendix G Standards History Graphs
Appendix H Summary of Groundwater Chemistry – MW-118

CERTIFICATION

Prepared by:  Date: 5/6/2026

Typed: Nathan Ohrt

Reviewed by:  Date: 5/6/2026

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

Groundwater monitoring and statistical evaluation for the Scott Area municipal solid waste landfill unit (SAL MSWLF unit) were performed in accordance with Iowa Administrative Code (IAC) 567-113.10, additional Iowa Department of Natural Resources (DNR) requirements specified in the most recent revision of the Scott Area Landfill (Landfill) operating permit most recently renewed on April 13, 2026, 2026 (Doc #116840), and the Hydrologic Monitoring System Plan (HMSP). The reporting period is January 2025 through January 2026 and includes the sampling events summarized in Table 2.

ES.2 REPORT PRIORITY

The following summarizes report priorities associated with groundwater compliance at the SAL MSWLF unit:

- 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 amendments needed: None.

ES.3 SITE STATUS AND APPLICABLE RULES

- Landfill Status: Active
- Types of waste accepted: MSW, C&D, and Special Waste
- Applicable IAC rules: 2009 567-113.10

ES.4 COMMENTS

The following summarizes points of special emphasis:

- Cell 9 was constructed in 2024, and the underdrain discharge monitoring point UD-4 was added to the HMSP monitoring network. Samples were collected in January, June, and September 2025. The sampling point was frozen during the January 2026 sampling event, so no sample was collected.
- A statistically significant increase (SSI) above background for lead was indicated in monitoring well MW-41 during the 2nd 2024 statistical evaluation. The retest on January 29, 2025, did not detect lead, so the indicated SSI was not confirmed.
- The sample from groundwater underdrain monitoring point UD-4, collected on January 29, 2025, had a quantified detection of toluene. On March 6, 2025, monitoring point UD-4 and the two sediment ponds that receive discharge from monitoring point UD-4 were sampled for toluene. The sediment ponds had no toluene detections, and the monitoring point UD-4 did not have a quantifiable detection, so the indicated SSI was not confirmed.
- During the 1st 2025 statistical evaluation, SSIs above background were indicated for copper at monitoring well OP-19, copper and zinc at monitoring well MW-41, copper at monitoring well MW-48, and arsenic, lead, zinc, and acetone at monitoring well MW-117.

  - The results of the first retesting performed on September 24-25, 2025, showed that copper in OP-19 was a J flag concentration, copper was not detected in MW-41, acetone was not detected, lead was a J flag concentration, and arsenic was under the prediction limit in MW-117, so these indicated SSIs were not confirmed.
  - The second retesting on November 4-5, 2025, had no detections of zinc in monitoring wells MW-41 and MW-117 and no detection of copper in monitoring well MW-48, so the indicated SSIs were not confirmed.

- During the 2nd 2025 statistical evaluation, SSIs above background were indicated for cadmium, lead, and nickel at monitoring well OP-19 and arsenic in monitoring well MW-117. As approved by the DNR by telephone on April 28, 2026, the results of the 1st 2026 semi-annual sampling event can be used for verification in lieu of a separate retesting event.
- No statistically significant levels (SSLs) above the groundwater protection standards (GWPS) were measured in assessment monitoring well MW-20AR.

ACRONYMS/ABBREVIATIONS

ACM = Assessment of Corrective Measures
C&D = Construction and Demolition Waste
DNR = Iowa Department of Natural Resources
GWPS = Groundwater Protection Standard
HMSP = Hydrologic Monitoring System Plan
IAC = Iowa Administrative Code
LCL = Lower Confidence Limit
MSW = Municipal Solid Waste
QA = Quality Assurance
QC = Quality Control
SAL = Scott Area Landfill
SCL = Scott County Landfill
SSI = Statistically Significant Increase above background
SSL = Statistically Significant Level above groundwater protection standard
TSS = Total Suspended Solids
UCL = Upper Confidence Limit
VOC = Volatile Organic Compound

1.0 SITE BACKGROUND

1.1 SITE LOCATION

The Waste Commission of Scott County landfill complex is located approximately two miles east-northeast of the City of Buffalo, Iowa on County Road Y-48 three miles south of Highway 61. The landfill complex property is owned by Linwood Mining and Minerals Corporation and is leased by the Waste Commission of Scott County.

1.2 FACILITY

The landfilled area on the property consists of approximately 115 acres, with approximately 54 acres associated with the closed Scott County Landfill and approximately 61 acres associated with the active Scott Area Landfill, and is generally located within Sections 12 and 13, Township 77 North, Range 2 East, in Scott County, Iowa. The SAL MSWLF unit is an active MSWLF unit governed by the current IAC 567-113.10, the current HMSP, and the Landfill's operating permit.

1.3 GEOLOGY AND HYDROGEOLOGY OF THE SITE

The site-specific geologic and hydrogeologic characteristics presented in this section were developed from the Scott Area Landfill Hydrogeologic Investigation Report and Hydrologic Monitoring System Plan dated May 1995 (Doc #57183), Appendix 3, Hydrogeologic Investigation Report, of the Development and Operations Plan dated October 2004 (Doc #29034) both prepared by Foth & Van Dyke and Associates, Inc., and the Revised Hydrologic Monitoring System and Gas Monitoring Plan dated January 2008 (Doc #16448) as prepared by Foth Infrastructure and Environment, LLC. The following are excerpts from these three reports. As the citations are derived from different reports, it should be noted that glacial drift, glacial till, and diamicton are equivalent terms therein.

> *The site is located on the Southern Iowa Drift Plain landform region as defined by the Iowa Geological Survey. This landform is characterized by steeply rolling hills resulting from the well-developed drainage network established since the last Pre-Illinioian glaciation. It is also characterized as having a thick loess mantle over thick Pre-Illinioian glacial drift. The terrain of the site area is typically rolling hills that are the result of erosion from the well-developed drainage patterns associated with the site's proximity to the Mississippi River. The major topographic feature of the site is a northeast to southwest trending ridge along the northern portion of the site. Surface elevations in the valleys on the western side of the ridgeline are below 650 feet NGVD producing a maximum topographic relief of about 150 feet. This slope extends to Donaldson Creek, which is the closest surface water feature to this site. The other significant surface water feature near this site is the Mississippi River which is located over one mile south of the site.* [Doc #29034]

> *A geologic conceptual model of this site was initially developed by reviewing existing literature and previous investigations in the area. The conceptual model of this site consisted of a thin loess cap over Pre-Illinioian diamicton, which overlies middle Devonian shale as the upper most bedrock. The Devonian bedrock overlies the Silurian limestone, which is a regional aquifer in eastern Iowa and locally is mined for aggregate. The preliminary hydrogeologic investigation indicates that the initial conceptual model is correct. The borings completed as part of this investigation* [2004 hydrogeologic investigation] *indicate a relatively thick loess sequence ranging up to 19 feet thick (B-2/MW-2). The loess has a relatively low permeability, based on laboratory testing. The loess overlies a thick fine-*

grained diamicton that contains minor, aerially limited, coarser-grained lenses. The fine-grained matrix has a very low permeability based on laboratory and field testing. [Doc #29034]

The site is underlain by glacial drift generally of low to very low hydraulic conductivity. This results in a relatively high water table and steep gradients as infiltrating precipitation migrates through the material toward the bounding creeks and ultimately the Mississippi River. The actual flow paths taken by this groundwater is complex due to the nature of the various strata underlying the site and their corresponding hydraulic properties. In general, however, precipitation infiltrating the ground surface will accumulate at the water table driving antecedent water down and toward the nearest drainage feature. The flow path taken by soluble contaminants will be controlled by both the hydraulic gradient and refraction that occurs during flow across media with different hydraulic characteristics. Our interpretation of the migration pathways under the SALF [Scott Area Landfill] will be downward and toward the nearest drainage feature. As leachate percolates, it may intercept strata of higher hydraulic conductivity resulting in a refraction of the flow paths resulting in nearly horizontal flow toward the nearest drainage that intercepts this strata. [Doc #57183]

Near surface materials at the site generally consist of Pleistocene age unconsolidated sediments overlying Pennsylvanian age bedrock. Unconsolidated materials encountered during the field investigation consist of loess, till, glacio-fluvial sands, lacustrine sediments, and bedrock. The interpreted vertical and horizontal relationships of these units at the site is depicted in cross sections A-A' through D-D' (Figures 3-6). These sections are oriented as shown on Figure 2. [Doc #57183] [The figures referenced in this citation are not included in this report]

Loess was encountered as the surficial deposit everywhere across the site except in the ravine along the west side of the site at OP-8. Loess thickness generally ranges from approximately 18 to 22 feet in thickness, although lesser thicknesses were encountered along the west side of the site at OP-6 and OP-7. Loess materials at the site consist of soft to firm, light brown to gray, silty clay to clayey silt. The loess is generally mottled in upper portions, and in places it contains shells. [Doc #57183]

Tills were encountered underlying the loess and at stratigraphically lower positions across the site. The upper till immediately underlies the loess and generally consists of a weathered gray silty clay till (paleosol), a green-gray mottled silty clay till, and a light to dark brown silty clay till. In the southwest and west portions of the site, the upper till consists of highly oxidized rust red colored silty clay till. The top of the upper till materials ranges in elevation from 643 to 663 feet MSL. Several minor sand seams are present within the upper till. [Doc #57183]

An outwash sand unit was encountered in several borings across the site as shown in the cross sections. This unit consists of poorly to well graded sands and silty sands. The greatest thickness of this unit was encountered at outwash boring OP-5 where the unit was approximately 30 feet in thickness. The unit thins and pinches out to the north and thins toward the east. [Doc #57183]

The middle till directly underlies the upper till or, where present, the outwash sand. The middle till generally consists of unweathered, stiff to very stiff, medium gray silty clay, and in places clayey silt. Minor sand seams were encountered within this gray till. [Doc #57183]

The lacustrine clayey silt containing organic debris underlies the middle till over portions of the site. This unit is generally between 5 and 8 feet in thickness and is distributed within areas having deeper bedrock. [Doc #57183]

The lowermost unconsolidated materials encountered at the site consist of greenish gray to light brown and light gray, very stiff, silty clay and clayey silt tills. Bedrock encountered at the site consists of interbedded claystone, clay and silt shale, and siltstone. The top of rock elevation is irregular across the site as shown in Figure 7. [Doc #57183] [The Figure 7 referenced in this citation is not included in this report]

Groundwater at this site is typically found within the lower loess or upper diamicton at depths below ground level ranging from 16 feet to 28 feet. Flow at the water table is within the Quaternary sediments and generally follows a subdued version of the landscape, with recharge areas in upland positions and eventual discharge to nearby creeks, rivers, and streams. [Doc #16448]

Groundwater flow direction at the water table within the loess is consistently south to southwest for the period of record. This is documented in the groundwater elevations reported for the period of record and is illustrated in the water table contour maps for various years during both the spring and fall seasons (Figures 2 through 8) [referenced figures not included]. Consequently, any potential release would impact the first saturated unit, which is located in the loess. Impacts from a potential release would travel with the groundwater and would be detected with monitoring wells installed in the water table along the southeast, southwest, and south portions of the facility. [Doc #16448]

2.0 FIGURES DISCUSSION

The following figures are included in a Figures Section following the Tables Section of this report.

2.1 FIGURE 1 – APPROVED MONITORING NETWORK

The Landfill property and SAL MSWLF unit HMSP monitoring network 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

Groundwater contours were determined for the Landfill using groundwater elevation data collected during the June 2025 sampling event. These contours are presented in **Figure 2** - Groundwater Contours. The overall direction of groundwater flow beneath the SAL and SCL MSWLF unit is generally to the south and southwest, with westerly flow likely present along the west side of the SAL MSWLF unit and components of easterly flow along the east side of the SAL MSWLF unit influenced by natural ravines in the vicinity of the waste boundary. Groundwater elevations beneath the SAL MSWLF unit are depicted as relatively flat resulting from the MSWLF unit being constructed in the area of the previously existing topographic ridge and the lack of surface recharge to groundwater beneath the areal extent of the composite-lined MSWLF unit. The groundwater underdrain beneath Cell 9 is actively pumped, creating a depression in the water table surface beneath the north side of the constructed portion of the SAL MSWLF unit.

3.0 STANDARDS HISTORY GRAPHS

Standards history graphs are included in **Appendix G**. Graphs are included for each Appendix I metal. Background monitoring wells MW-107/MW-114 and HMSP monitoring wells with quantified detections are included in each graph. The prediction limits were below the statewide standards with the following exceptions. The prediction limits listed below were calculated during the 2nd 2025 statistical evaluation.

- Arsenic in MW-42 (0.05856 mg/L) and MW-117 (0.02179 mg/L).
- Cobalt in MW-107/MW-114 (0.00261 mg/L), MW-41 (0.005122 mg/L), MW-42 (0.00228 mg/L), MW-43 (0.002181 mg/L), MW-48 (0.00517), OP-14 (0.01803 mg/L), OP-19 (0.00442 mg/L), and MW-117 (0.01832 mg/L).

Based on these results, it appears likely that naturally occurring cobalt concentrations are frequently above the statewide standard. Non-release related elevated arsenic concentrations are also present in areas of groundwater at the SAL MSWLF unit as documented in the *2-Year Study Report* dated December 1, 2014, prepared by Barker Lemar Engineering Consultants (Doc #81964). Monitoring well MW-42 in particular is located in the area of elevated arsenic concentrations described in the 2-Year Study Report. Monitoring well MW-117 also appears to be in an area of elevated arsenic.

4.0 QA/QC SUMMARY

The quality assurance/quality control (QA/QC) program for the SAL MSWLF unit follows similar protocols as included in the HMSP. Data validation procedures were 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 a review of sample handling, analytical sensitivity, blanks, accuracy, and precision. A summary of the laboratory QA/QC and data validation can be found in **Appendix B-1**, Laboratory Analytical Data Sheets, and **Appendix B-2**, Data Validation Documentation, respectively. Review of the QA data determined that the data were acceptable.

5.0 DATA EVALUATION

Detection and assessment 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 is located in **Appendix D**, Statistical Method and Output, of this report.

Groundwater monitoring for the SAL MSWLF unit consists of monitoring wells encompassing the downgradient perimeters of the SAL MSWLF unit. Background monitoring wells MW-107 and MW-114 are located north of the MSWLF unit. As intrawell methods are used for the statistical evaluation of the groundwater data, data from the background monitoring wells are not used in the development of prediction limits for monitoring wells within the SAL MSWLF unit HMSP monitoring network.

A statistically significant increase (SSI) above background for lead was indicated in monitoring well MW-41 during the 2nd 2024 statistical evaluation. The retest on January 29, 2025, did not detect lead, so the indicated SSI was not confirmed.

The initial groundwater underdrain monitoring point UD-4 sample, collected on January 29, 2025, showed a quantifiable toluene detection. On March 6, 2025, monitoring point UD-4 and the two sediment ponds that receive discharge from monitoring point UD-4 were sampled for toluene. The sediment ponds had no toluene detections, and the monitoring point UD-4 did not have a quantifiable detection above the reporting limit, so the indicated SSI was not confirmed.

During the 1st 2025 statistical evaluation, SSIs above background were indicated for copper at monitoring well OP-19, copper and zinc at monitoring well MW-41, copper at monitoring well MW-48, and arsenic, lead, zinc, and acetone at monitoring well MW-117. The results of the first retesting performed on September 24-25, 2025, showed that copper in OP-19 was a J flag concentration, copper was not detected in MW-41, acetone was not detected, lead was a J flag concentration, and arsenic was under the prediction limit in MW-117, so these indicated SSIs were not confirmed. The second retesting on November 4-5, 2025 had no detections of zinc in monitoring wells MW-41 and MW-117 and no detection of copper in monitoring well MW-48, so the indicated SSIs were not confirmed.

No statistically significant levels (SSLs) above the groundwater protection standards (GWPS) were measured in assessment monitoring well MW-20AR.

VOCs detected during this reporting period in the HMSP monitoring network were limited to toluene in monitoring point UD-4 and acetone in monitoring well MW-117 (both not confirmed by retest), and a single detection of acrylonitrile in background monitoring well MW-107 in June, with a non-detect in the following sampling event.

During the 2nd 2025 statistical evaluation, SSIs above background were indicated for cadmium, lead, and nickel at monitoring well OP-19, and for arsenic at monitoring well MW-117. As approved by the DNR by telephone on April 28, 2026, the results of the 1st 2026 semi-annual sampling event can be used for verification in lieu of a separate retesting event.

Monitoring well MW-118 is not part of the SAL MSWLF unit monitoring network, but will eventually monitor Cell 11 when the cell is built. Monitoring well MW-118 was sampled for Appendix I and TSS during the June 2025 and January 2026 sampling events. Detected metals and organic parameter concentrations measured during this reporting period were generally consistent with historical data. Arsenic was the only constituent with 2025 concentrations above a GWPS. Benzene and acetone continued to be detected above the reporting limits but below the GWPSs. A Summary of Groundwater Chemistry for monitoring well MW-118 is included in **Appendix H**.

6.0 SUMMARY AND RECOMMENDATIONS

6.1 SITE IMPACT ON GROUNDWATER

Groundwater does not appear to be adversely impacted by the SAL MSWLF unit. Proposed monitoring for the upcoming reporting period includes the following:

- Anticipated groundwater sampling for the 2026 reporting period is shown in **Table 2**.

- SSIs above background indicated for cadmium, lead, and nickel at monitoring well OP-19 and for arsenic at MW-117 will be retested during the 1st 2026 semi-annual sampling event.

6.2 PROPOSED MONITORING POINT CHANGES

HMSP monitoring well MW-41 and non-HMSP monitoring well MW-3 were abandoned during this reporting period ahead of the upcoming Cell 10 construction. Replacement monitoring well MW-41R will be installed toward the end of cell construction once final grades at the proposed well location have been achieved.

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
2025 Annual Water Quality Report
Scott Area Landfill
Permit No. 82-SDP-09-92P

Monitoring Well	Formation[(1)]	Current Monitoring Program	Change for Next Sampling Event	Constituents with SSIs during the 2025 Reporting Period	Constituents with SSLs	Total Number of Samples in Each Monitoring Program		
						Detection	Assessment	Pre-Corrective Action
HSMP Monitoring Points - MSWLF Unit								
MW-107	Silt/Clay	Background	No change	Not applicable	Not applicable	19	-	-
MW-114	Sand/Silt	Background	No change	Not applicable	Not applicable	17	-	-
OP-14	Silt/Clay	Detection	No change	None	Not applicable	19	-	-
OP-19	Sand/Silt	Detection	No change	Copper**, Cadmium*, Lead*, Nickel*	Not applicable	19	-	-
MW-20AR	Till w/sand seams	Assessment	No change	Not applicable	None	-	18	-
MW-41	Sand/Clay/Till	Detection	Abandoned and Replaced by MW-41R	Copper**, Zinc**	Not applicable	18	-	-
MW-42	Clay/Till	Detection	No change	None	Not applicable	19	-	-
MW-43	Sandy silt/Clay/Sand	Detection	No change	None	Not applicable	19	-	-
MW-48	Silt	Detection	No change	Copper**	Not applicable	14	-	-
MW-117	Sandy Clay	Detection	No change	Arsenic** (June 2025), Lead**, Zinc**, Acetone**, Arsenic*(January 2026)	Not applicable	15	-	-
UD-4	Not applicable	Background Collection	No change	Toluene**	Not applicable	3		
Other monitoring points								
MW-118	Till	Supplemental						
OP-2	Silty clay	Water Level						
OP-13	Clay/Silty sand	Water Level						
OP-15	Silt/Clay	Water Level						
OP-16	Silt/Clay	Water Level						
OP-23	Clay with sand seam	Water Level						

Notes:

(1) Obtained from screened interval in boring logs and/or cross-sections.

* - Indicated SSI is not confirmed. The results of the 1st 2026 semi-annual sampling event will function as the retest.

** - Indicated SSI was not confirmed based on retesting results.

SSI - Statistically Significant Increase above background.

SSL - Statistically Significant Level above groundwater protection standards.

Table 2
Monitoring Program Implementation Schedule
2025 Annual Water Quality Report
Scott Area Landfill
Permit No. 82-SDP-09-92P

Monitoring Well	Recent Sampling Dates and Constituents									Full Appendix II Sample Dates	
	January 2025 (MW-41 Retest & UD-4 Background)	March 2025 (UD-4 Toluene Retest)	June 2025 (1st 2025 Semi-Annual)	September 2025 (OP-19, MW-41, MW-48, & MW-117 1st Retest and UD-4 Background)	November 2025 (MW-41, MW-48, & MW-117 2nd Retest)	January 2026 (2nd 2025 Semi-Annual)	1st 2026 Semi-Annual	Summer 2026 Background	2nd 2026 Semi-Annual	Previously Collected	Next Event
HMSP											
MW-107			Appendix I, TSS, Geochemistry, Natural Attenuation			Appendix I, TSS, Geochemistry, Natural Attenuation	Appendix I, TSS		Appendix I, TSS	3/2009, 6/2009, 8/2009, 9/2009, 3/2010, 9/2010	NA
MW-114			Appendix I, TSS, Geochemistry, Natural Attenuation			Appendix I, TSS, Geochemistry, Natural Attenuation	Appendix I, TSS		Appendix I, TSS	3/2009, 6/2009, 8/2009, 9/2009, 3/2010, 9/2010	NA
OP-14			Appendix I, TSS			Appendix I, TSS	Appendix I, TSS		Appendix I, TSS	NA	NA
OP-19			Appendix I, TSS	Copper, TSS		Appendix I, TSS	Appendix I*, TSS		Appendix I*, TSS	NA	NA
MW-20AR			Appendix II, TSS			Appendix I, TSS, Sulfide	Appendix I, TSS, Sulfide		Appendix I, TSS, Sulfide	4/2019, 4/2020, 6/5/2025	2030
MW-41	Lead, TSS		Appendix I, TSS	Copper, Zinc, TSS	Zinc	No sample (High Turbidity)	Abandoned			NA	NA
MW-41R	Not Installed						Not Installed	Appendix I, TSS	Appendix I, TSS	NA	NA
MW-42			Appendix I, TSS			Appendix I, TSS	Appendix I, TSS		Appendix I, TSS	NA	NA
MW-43			Appendix I, TSS			Appendix I, TSS	Appendix I, TSS		Appendix I, TSS	NA	NA
MW-48			Appendix I, TSS	Copper, TSS	Copper, TSS	Appendix I, TSS	Appendix I, TSS		Appendix I, TSS	NA	NA
MW-117			Appendix I, TSS	Arsenic, Lead, Zinc, TSS, Acetone	Zinc	Appendix I, TSS	Appendix I*, TSS		Appendix I*, TSS	NA	NA
UD-4	Appendix I, TSS	Toluene	Appendix I, TSS	Appendix I, TSS		No sample (Frozen)	Appendix I, TSS		Appendix I, TSS	NA	NA
Supplemental											
MW-118			Appendix I, TSS			Appendix I, TSS	Appendix I, TSS		Appendix I, TSS	NA	NA
OP-2			Water Level			Water Level	Water Level		Water Level	NA	NA
OP-3			Water Level			Water Level	Water Level		Water Level	NA	NA
OP-13			Water Level			Water Level	Water Level		Water Level	NA	NA
OP-15			Water Level			Water Level	Water Level		Water Level	NA	NA
OP-16						Cap stuck	Water Level		Water Level	NA	NA
OP-22			Water Level			Water Level	Water Level		Water Level	NA	NA
OP-23			Water Level			Water Level	Water Level		Water Level	NA	NA
1st Sediment Pond		Toluene									
2nd Sediment Pond		Toluene									
MW-103						Not located	Water Level		Water Level	NA	NA
MW-115						Water Level	Water Level		Water Level	NA	NA
MW-116						Not located	Water Level		Water Level	NA	NA

Notes:

NA - Not Applicable.

TSS - Total Suspended Solids.

* - Parameters could change pending the results of the retest.

Geochemistry includes Bicarbonate, Carbonate, Chloride, Sulfate, Sodium, Potassium, Calcium, and Magnesium.

Natural Attenuation includes Iron, Manganese, Ammonia, Nitrate, and Total Organic Carbon.

Table 3
Monitoring Well Maintenance and Performance Re-Evaluation Schedule
2025 Annual Water Quality Report
Scott Area Landfill
Permit No. 82-SDP-09-92P

Compliance with:	2023	2024	2025	2026	2027
567 IAC 113.10(2)"f"(1) high and low water levels (biennial)	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 (biennial)	Completed		Included		Scheduled
Waste separation from ground water 113.6(2)i	Not Applicable	Completed	Not Applicable	Scheduled	Scheduled

Notes:

1) Not Applicable: The groundwater underdrain system for Cells 1-7 was shut-off prior to the 1st 2018 semi-annual sampling event and the groundwater underdrain system for Cell 8 was shut-off prior to the 2nd 2022 semi-annual sampling event. The system for Cell 9 is only operating for the influence on Cell 10.

Table 4
Monitoring Well Performance and Maintenance Summary
2025 Annual Water Quality Report
Scott Area Landfill
Permit No. 82-SDP-09-92P

Well	Top of Casing	Top of Screen	Total Depth	Datum	Date of Measurements		Maximum Depth Discrepancy (ft)	Initial Flow Rate (L/min) Date	Recent Flow Rate (L/min) Date	% Change
					6/2025	1/2026				
MW-107	722.48	643.6	83.9	Groundwater Level (ft)	27.14	32.10	-0.9			
				Groundwater Elevation (Ft AMSL)	695.34	690.38		0.09	0.183	103%
				Measured Well Depth (ft)	NM	84.8		4/27/2016	1/2026	
				Submerged screen	Y	Y				
MW-114	707.36	691.0	21.4	Groundwater Level (ft)	11.5	15.21	0.1			
				Groundwater Elevation (Ft AMSL)	695.86	692.15		0.07	0.175	150%
				Measured Well Depth (ft)	21.3	21.4		4/27/2016	1/2026	
				Submerged screen	Y	Y				
OP-14	697.91	649.1	35.4	Groundwater Level (ft)	13.86	14.70	0.8			
				Groundwater Elevation (Ft AMSL)	684.05	683.21		0.150	0.167	11%
				Measured Well Depth (ft)	34.6	35.6		6/5/2018	9/2024	
				Submerged screen	Y	Y				
OP-19	700.98	672.5	38.5	Groundwater Level (ft)	29.20	29.45	0.9			
				Groundwater Elevation (Ft AMSL)	671.78	671.53		0.180	0.183	2%
				Measured Well Depth (ft)	NM	37.4		4/27/2016	1/2026	
				Submerged screen	N	N				
MW-20AR	713.64	672.8	50.9	Groundwater Level (ft)	38.23	39.45	-0.5			
				Groundwater Elevation (Ft AMSL)	675.41	674.19		0.325	0.150	-54%
				Measured Well Depth (ft)	NM	51.4		12/19/2018	1/2026	
				Submerged screen	Y	Y				
MW-41	705.24	679.5	40.7	Groundwater Level (ft)	28.26	31.19	-1.5			
				Groundwater Elevation (Ft AMSL)	676.98	674.05		0.167	0.094	-44%
				Measured Well Depth (ft)	NM	41.2		6/5/2018	1/2026	
				Submerged screen	N	N				
MW-42	701.11	670.7	46.0	Groundwater Level (ft)	24.07	27.50	0.5			
				Groundwater Elevation (Ft AMSL)	677.04	673.61		0.175	0.175	0%
				Measured Well Depth (ft)	NM	45.5		6/5/2018	1/2026	
				Submerged screen	Y	Y				
MW-43	693.39	657.5	55.9	Groundwater Level (ft)	24.86	27.70	0.6			
				Groundwater Elevation (Ft AMSL)	668.53	665.69		0.150	0.190	27%
				Measured Well Depth (ft)	55.3	55.6		6/5/2018	1/2026	
				Submerged screen	Y	Y				
MW-48	685.26	657.6	23.3	Groundwater Level (ft)	8.80	15.61	-0.4			
				Groundwater Elevation (Ft AMSL)	676.46	669.65		0.150	0.133	-11%
				Measured Well Depth (ft)	23.5	23.7		9/2021	1/2026	
				Submerged screen	Y	Y				
MW-117	708.89	663.1	60.8	Groundwater Level (ft)	30.70	35.71	-0.1			
				Groundwater Elevation (Ft AMSL)	678.19	673.18		0.200	0.158	-21%
				Measured Well Depth (ft)	NM	60.9		9/2021	1/2026	
				Submerged screen	Y	Y				

Notes:

NM - Not measured.

Ft AMSL - Feet above mean sea level.

Monitoring wells with dedicated sampling pumps are measured once every 5 years. The total depths in monitoring wells OP-19, MW-20AR, MW-41, MW-42, and MW-117 were measured during this reporting period and will be measured next in 2030.

Measured well depths were within 1.5 feet of installed depths. It does not appear that siltation is affecting the ability of the wells to produce samples.

Table 5
Background and GWPS Summary Tables
2025 Annual Water Quality Report
Scott Area Landfill
Permit No. 82-SDP-09-92P

Interwell Background/GWPS (MW-107 and MW-114)

Constituent	Units	Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Antimony (Sb)	mg/L	32	2	0.0005 (1/2 RL)	0.00223	0.00073	0.00223	PL (NP)	0.006	MCL
Arsenic (As)	mg/L	32	3	0.000642*	0.001 (1/2 RL)	0.00098	0.001	PL (NP)	0.01	MCL
Barium (Ba)	mg/L	32	32	0.0818	0.232	0.13225	0.1938	PL (P)	2	MCL
Beryllium (Be)	mg/L	32	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.00050	< 0.001	DQR	0.004	MCL
Cadmium (Cd)	mg/L	32	4	0.000047*	0.00025 (1/2 RL)	0.00014	0.00025	PL (NP)	0.005	MCL
Chromium (Cr)	mg/L	32	10	0.00101*	0.00291*	0.00228	0.00291	PL (NP)	0.1	MCL
Cobalt (Co)	mg/L	32	18	0.000061*	0.00261	0.00037	0.00261	PL (NP)	0.00261	SSS
Copper (Cu)	mg/L	32	5	0.00143*	0.00366*	0.00244	0.00366	PL (NP)	1.3	MCL
Lead (Pb)	mg/L	32	12	0.000138*	0.00502	0.00048	0.00502	PL (NP)	0.015	MCL
Nickel (Ni)	mg/L	32	4	0.000964*	0.00767	0.00252	0.00767	PL (NP)	0.1	SWS
Selenium (Se)	mg/L	32	5	0.000765*	0.0025 (1/2 RL)	0.00228	0.0025	PL (NP)	0.05	MCL
Silver (Ag)	mg/L	32	2	0.0004055*	0.00137	0.00052	0.00137	PL (NP)	0.1	SWS
Thallium (Tl)	mg/L	32	1	0.000426*	0.0005 (1/2 RL)	0.00050	0.0005	PL (NP)	0.002	MCL
Vanadium (V)	mg/L	32	18	0.000384*	0.00491*	0.00198	0.00491	PL (NP)	0.035	SWS
Zinc (Zn)	mg/L	32	0	0.005 (1/2 RL)	0.01 (1/2 RL)	0.00938	< 0.02	DQR	2	SWS

Intrawell Background/GWPS (MW-41)

Constituent	Units	Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Antimony (Sb)	mg/L	16	1	0.0005 (1/2 RL)	0.00198	0.00084	0.00198	PL (NP)	0.006	MCL
Arsenic (As)	mg/L	19	19	0.00116*	0.008075	0.00355	0.006797	PL (P)	0.01	MCL
Barium (Ba)	mg/L	16	16	0.07855	0.264	0.18833	0.2824	PL (P)	2	MCL
Beryllium (Be)	mg/L	16	1	0.000452*	0.0005 (1/2 RL)	0.00050	0.0005	PL (NP)	0.004	MCL
Cadmium (Cd)	mg/L	16	2	0.00005 (1/2 RL)	0.00025 (1/2 RL)	0.00012	0.00025	PL (NP)	0.005	MCL
Chromium (Cr)	mg/L	16	2	0.00148*	0.0028*	0.00246	0.0028	PL (NP)	0.1	MCL
Cobalt (Co)	mg/L	16	16	0.000689	0.00558	0.00225	0.005122	PL (P)	0.005122	SSS
Copper (Cu)	mg/L	17	6	0.00182*	0.00592	0.00294	0.00592	PL (NP)	1.3	MCL
Lead (Pb)	mg/L	17	9	0.00025 (1/2 RL)	0.00177	0.00055	0.00177	PL (NP)	0.015	MCL
Nickel (Ni)	mg/L	16	12	0.00216*	0.00701	0.00322	0.00701	PL (NP)	0.1	SWS
Selenium (Se)	mg/L	16	0	0.0025 (1/2 RL)	0.0025 (1/2 RL)	0.00250	< 0.005	DQR	0.05	MCL
Silver (Ag)	mg/L	16	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.00050	< 0.001	DQR	0.1	SWS
Thallium (Tl)	mg/L	16	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.00050	< 0.001	DQR	0.002	MCL
Vanadium (V)	mg/L	16	7	0.001975*	0.00451*	0.00264	0.00451	PL (NP)	0.035	SWS
Zinc (Zn)	mg/L	17	5	0.01 (1/2 RL)	0.0213	0.01177	0.0213	PL (NP)	2	SWS

Intrawell Background/GWPS (MW-42)

Constituent	Units	Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Antimony (Sb)	mg/L	16	1	0.0005 (1/2 RL)	0.0015 (1/2 RL)	0.00079	0.0015	PL (NP)	0.006	MCL
Arsenic (As)	mg/L	17	17	0.0023	0.0583	0.02956	0.05856	PL (P)	0.05856	SSS
Barium (Ba)	mg/L	17	17	0.22	0.455	0.33668	0.4362	PL (P)	2	MCL
Beryllium (Be)	mg/L	16	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.00050	< 0.001	DQR	0.004	MCL
Cadmium (Cd)	mg/L	16	2	0.00005 (1/2 RL)	0.00025 (1/2 RL)	0.00013	0.00025	PL (NP)	0.005	MCL
Chromium (Cr)	mg/L	16	3	0.0017*	0.00543	0.00262	0.00543	PL (NP)	0.1	MCL
Cobalt (Co)	mg/L	16	16	0.000471*	0.00294	0.00116	0.00228	PL (P)	0.00228	SSS
Copper (Cu)	mg/L	16	3	0.0022	0.00287*	0.00249	0.00287	PL (NP)	1.3	MCL
Lead (Pb)	mg/L	16	10	0.00025 (1/2 RL)	0.00198	0.00060	0.001446	PL (P)	0.015	MCL
Nickel (Ni)	mg/L	16	7	0.00125*	0.00884	0.00296	0.00884	PL (NP)	0.1	SWS
Selenium (Se)	mg/L	16	0	0.00125 (1/2 RL)	0.0025 (1/2 RL)	0.00242	< 0.005	DQR	0.05	MCL
Silver (Ag)	mg/L	16	0	0.00025 (1/2 RL)	0.0005 (1/2 RL)	0.00048	< 0.001	DQR	0.1	SWS
Thallium (Tl)	mg/L	16	0	0.0005 (1/2 RL)	0.001 (1/2 RL)	0.00053	< 0.002	DQR	0.002	MCL
Vanadium (V)	mg/L	16	6	0.000984*	0.00466*	0.00256	0.00466	PL (NP)	0.035	SWS
Zinc (Zn)	mg/L	16	2	0.01 (1/2 RL)	0.0127*	0.01030	0.0127	PL (NP)	2	SWS

Table 5
Background and GWPS Summary Tables
2025 Annual Water Quality Report
Scott Area Landfill
Permit No. 82-SDP-09-92P

Intrawell Background/GWPS (MW-43)

Constituent	Units	Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Antimony (Sb)	mg/L	16	1	0.0005 (1/2 RL)	0.0015 (1/2 RL)	0.00077	0.0015	PL (NP)	0.006	MCL
Arsenic (As)	mg/L	16	14	0.000792*	0.00435	0.00155	0.003055	PL (P)	0.01	MCL
Barium (Ba)	mg/L	16	16	0.0355	0.314	0.14075	0.2665	PL (P)	2	MCL
Beryllium (Be)	mg/L	16	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.00050	< 0.001	DQR	0.004	MCL
Cadmium (Cd)	mg/L	16	1	0.00005 (1/2 RL)	0.00025 (1/2 RL)	0.00014	0.00025	PL (NP)	0.005	MCL
Chromium (Cr)	mg/L	17	4	0.0015*	0.00574	0.00274	0.00574	PL (NP)	0.1	MCL
Cobalt (Co)	mg/L	16	15	0.00011*	0.00215	0.00107	0.002181	PL (P)	0.002181	SSS
Copper (Cu)	mg/L	17	8	0.000978*	0.00521	0.00292	0.00521	PL (NP)	1.3	MCL
Lead (Pb)	mg/L	17	7	0.00025 (1/2 RL)	0.000887	0.00041	0.000887	PL (NP)	0.015	MCL
Nickel (Ni)	mg/L	16	7	0.00123*	0.0039*	0.00239	0.0039	PL (NP)	0.1	SWS
Selenium (Se)	mg/L	16	1	0.00125 (1/2 RL)	0.0025 (1/2 RL)	0.00237	0.0025	PL (NP)	0.05	MCL
Silver (Ag)	mg/L	16	0	0.00025 (1/2 RL)	0.0005 (1/2 RL)	0.00048	< 0.001	DQR	0.1	SWS
Thallium (Tl)	mg/L	16	0	0.0005 (1/2 RL)	0.001 (1/2 RL)	0.00053	< 0.002	DQR	0.002	MCL
Vanadium (V)	mg/L	17	7	0.00126*	0.00564	0.00287	0.00564	PL (NP)	0.035	SWS
Zinc (Zn)	mg/L	16	2	0.01 (1/2 RL)	0.01685*	0.01062	0.01685	PL (NP)	2	SWS

Intrawell Background/GWPS (MW-48)

Constituent	Units	Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Antimony (Sb)	mg/L	11	2	0.0005 (1/2 RL)	0.00117	0.00098	0.00117	PL (NP)	0.006	MCL
Arsenic (As)	mg/L	11	10	0.00066*	0.00114*	0.00095	0.001282	PL (P)	0.01	MCL
Barium (Ba)	mg/L	12	12	0.0778	0.102	0.08778	0.103	PL (P)	2	MCL
Beryllium (Be)	mg/L	11	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.00050	< 0.001	DQR	0.004	MCL
Cadmium (Cd)	mg/L	11	5	0.00005 (1/2 RL)	0.000119	0.00008	0.000119	PL (NP)	0.005	MCL
Chromium (Cr)	mg/L	11	9	0.00122*	0.00519	0.00272	0.004938	PL (P)	0.1	MCL
Cobalt (Co)	mg/L	11	9	0.000156*	0.00517	0.00072	0.00517	PL (NP)	0.00517	SSS
Copper (Cu)	mg/L	11	11	0.00235*	0.00761	0.00388	0.006675	PL (P)	1.3	MCL
Lead (Pb)	mg/L	11	5	0.000242*	0.00129	0.00035	0.00129	PL (NP)	0.015	MCL
Nickel (Ni)	mg/L	11	11	0.00305*	0.0198	0.00660	0.01544	PL (P)	0.1	SWS
Selenium (Se)	mg/L	11	5	0.000993*	0.0025 (1/2 RL)	0.00194	0.0025	PL (NP)	0.05	MCL
Silver (Ag)	mg/L	11	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.00050	< 0.001	DQR	0.1	SWS
Thallium (Tl)	mg/L	11	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.00050	< 0.001	DQR	0.002	MCL
Vanadium (V)	mg/L	11	10	0.0013*	0.0052	0.00239	0.004441	PL (P)	0.035	SWS
Zinc (Zn)	mg/L	11	0	0.01 (1/2 RL)	0.01 (1/2 RL)	0.01000	< 0.02	DQR	2	SWS

Intrawell Background/GWPS (OP-14)

Constituent	Units	Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Antimony (Sb)	mg/L	16	0	0.0005 (1/2 RL)	0.0015 (1/2 RL)	0.00078	< 0.003	DQR	0.006	MCL
Arsenic (As)	mg/L	18	18	0.000826*	0.00378	0.00196	0.00347	PL (P)	0.01	MCL
Barium (Ba)	mg/L	16	16	0.0875	0.30200	0.17873	0.3115	PL (P)	2	MCL
Beryllium (Be)	mg/L	16	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.00050	< 0.001	DQR	0.004	MCL
Cadmium (Cd)	mg/L	16	7	0.00005 (1/2 RL)	0.000426*	0.00015	0.000426	PL (NP)	0.005	MCL
Chromium (Cr)	mg/L	16	2	0.00152*	0.0037*	0.00251	0.0037	PL (NP)	0.1	MCL
Cobalt (Co)	mg/L	16	16	0.00134	0.02880	0.00650	0.01803	PL (P)	0.01803	SSS
Copper (Cu)	mg/L	16	4	0.00169*	0.00451*	0.00254	0.00451	PL (NP)	1.3	MCL
Lead (Pb)	mg/L	16	4	0.000217*	0.00068	0.00028	0.000675	PL (NP)	0.015	MCL
Nickel (Ni)	mg/L	16	16	0.00528	0.04620	0.01819	0.0393	PL (P)	0.1	SWS
Selenium (Se)	mg/L	16	1	0.00125 (1/2 RL)	0.0025 (1/2 RL)	0.00239	0.0025	PL (NP)	0.05	MCL
Silver (Ag)	mg/L	16	1	0.00025 (1/2 RL)	0.00135	0.00054	0.00135	PL (NP)	0.1	SWS
Thallium (Tl)	mg/L	16	2	0.000349*	0.001 (1/2 RL)	0.00052	0.001	PL (NP)	0.002	MCL
Vanadium (V)	mg/L	16	3	0.00185*	0.00348*	0.00256	0.00348	PL (NP)	0.035	SWS
Zinc (Zn)	mg/L	17	2	0.01 (1/2 RL)	0.13700	0.01756	0.137	PL (NP)	2	SWS

Table 5
Background and GWPS Summary Tables
2025 Annual Water Quality Report
Scott Area Landfill
Permit No. 82-SDP-09-92P

Intrawell Background/GWPS (OP-19)

Constituent	Units	Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Antimony (Sb)	mg/L	16	0	0.0005 (1/2 RL)	0.001 (1/2 RL)	0.00069	< 0.002	DQR	0.006	MCL
Arsenic (As)	mg/L	16	15	0.0007665*	0.00283	0.00158	0.0025	PL (P)	0.01	MCL
Barium (Ba)	mg/L	16	16	0.192	0.26000	0.23150	0.2702	PL (P)	2	MCL
Beryllium (Be)	mg/L	16	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.00050	< 0.001	DQR	0.004	MCL
Cadmium (Cd)	mg/L	17	17	0.000068*	0.00059	0.00023	0.0004769	PL (P)	0.005	MCL
Chromium (Cr)	mg/L	16	0	0.0025 (1/2 RL)	0.0025 (1/2 RL)	0.00250	< 0.005	DQR	0.1	MCL
Cobalt (Co)	mg/L	16	16	0.0009505	0.00504	0.00275	0.00442	PL (P)	0.00442	SSS
Copper (Cu)	mg/L	16	2	0.001375*	0.00351*	0.00249	0.00351	PL (NP)	1.3	MCL
Lead (Pb)	mg/L	17	5	0.000196*	0.00086	0.00029	0.000862	PL (NP)	0.015	MCL
Nickel (Ni)	mg/L	16	16	0.00636	0.00845	0.00757	0.008728	PL (P)	0.1	SWS
Selenium (Se)	mg/L	16	0	0.0025 (1/2 RL)	0.0025 (1/2 RL)	0.00250	< 0.005	DQR	0.05	MCL
Silver (Ag)	mg/L	16	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.00050	< 0.001	DQR	0.1	SWS
Thallium (Tl)	mg/L	16	2	0.000033*	0.0005 (1/2 RL)	0.00044	0.0005	PL (NP)	0.002	MCL
Vanadium (V)	mg/L	16	3	0.000597*	0.0025 (1/2 RL)	0.00222	0.0025	PL (NP)	0.035	SWS
Zinc (Zn)	mg/L	16	0	0.005 (1/2 RL)	0.01 (1/2 RL)	0.00938	< 0.02	DQR	2	SWS

Intrawell Background/GWPS (MW-117)

Constituent	Units	Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Antimony (Sb)	mg/L	9	0	0.0005 (1/2 RL)	0.001 (1/2 RL)	0.00089	< 0.002	DQR	0.006	MCL
Arsenic (As)	mg/L	9	9	0.00988	0.02200	0.01414	0.02179	PL (P)	0.02179	SSS
Barium (Ba)	mg/L	9	9	0.353	0.55000	0.44422	0.5903	PL (P)	2	MCL
Beryllium (Be)	mg/L	9	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.00050	< 0.001	DQR	0.004	MCL
Cadmium (Cd)	mg/L	9	0	0.00005 (1/2 RL)	0.0001 (1/2 RL)	0.00007	< 0.0002	DQR	0.005	MCL
Chromium (Cr)	mg/L	9	0	0.0025 (1/2 RL)	0.0025 (1/2 RL)	0.00250	< 0.005	DQR	0.1	MCL
Cobalt (Co)	mg/L	9	9	0.000543	0.01790	0.00692	0.01832	PL (P)	0.01832	SSS
Copper (Cu)	mg/L	9	1	0.0025 (1/2 RL)	0.00342*	0.00260	0.00342	PL (NP)	1.3	MCL
Lead (Pb)	mg/L	9	1	0.00025 (1/2 RL)	0.000252*	0.00025	0.000252	PL (NP)	0.015	MCL
Nickel (Ni)	mg/L	9	6	0.0025 (1/2 RL)	0.01390	0.00520	0.01228	PL (P)	0.1	SWS
Selenium (Se)	mg/L	9	0	0.0025 (1/2 RL)	0.0025 (1/2 RL)	0.00250	< 0.005	DQR	0.05	MCL
Silver (Ag)	mg/L	9	1	0.000459*	0.0005 (1/2 RL)	0.00050	0.0005	PL (NP)	0.1	SWS
Thallium (Tl)	mg/L	9	0	0.0005 (1/2 RL)	0.0005 (1/2 RL)	0.00050	< 0.001	DQR	0.002	MCL
Vanadium (V)	mg/L	9	0	0.0025 (1/2 RL)	0.0025 (1/2 RL)	0.00250	< 0.005	DQR	0.035	SWS
Zinc (Zn)	mg/L	9	1	0.01 (1/2 RL)	0.0112*	0.01013	0.0112	PL (NP)	2	SWS

Notes:

1) Background levels based on calculated prediction limits or reporting limit, as applicable. Table information based on 2nd 2025 statistical evaluation.

* Indicates a J flag. The value is above the method detection limit but below the reporting limit; the concentration is estimated.

Acronyms/Abbreviations:

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

Comments:

1) **Water quality results and effectiveness of the statistical data evaluation criteria:** Statistical analyses consist of intrawell prediction limits and confidence intervals/confidence bands, as appropriate. Data from the background wells is not used for the development of prediction limits or confidence intervals.
2) **Changes to the previous statistical method during reporting period:** None.
3) **Re-sampling strategy:** Retesting is performed on a 1-of-3 retesting scheme.
4) **Justification for data exclusion**: As directed in DNR correspondence dated September 3, 2015 (Doc No. 84169), the inorganic data collected prior to low-flow sampling methods, which were implemented in April 2016, is no longer considered.

Table 6
Summary of Well/Detected Constituent Pairs With No Previous SSIs
2025 Annual Water Quality Report
Scott Area Landfill
Permit No. 82-SDP-09-92P

Well	Constituent	Units	Most recent result	Background Standard
OP-19	Copper***	mg/L	0.00397*	0.00351
	Cadmium**	mg/L	0.000489	0.0004769
	Lead**	mg/L	0.000887	0.000862
	Nickel**	mg/L	0.111	0.008728
MW-41	Copper***	mg/L	<0.005	0.00592
	Zinc***	mg/L	<0.04	0.0213
MW-48	Copper***	mg/L	0.00529	0.006675
MW-117	Arsenic*** (June 2025)	mg/L	0.0253	0.02179
	Lead***	mg/L	0.000339*	0.000252
	Zinc***	mg/L	<0.02	0.0112
	Acetone***	µg/L	<10	<10
	Arsenic** (January 2026)	mg/L	0.0253	0.02179
UD-4	Toleune***	µg/L	<1	<1

Notes:

1) This table represents constituent/well pairs with indicated SSIs during the 2025 reporting period that did not have indicated SSIs during the 2024 reporting period.

2) * - J Flag - Concentration is below the reporting limit but above the MDL, the concentration is estimated.

3) ** - Indicated SSI is not confirmed. The results of the 1st 2026 semi-annual sampling event will function as the retest.

4) *** - Indicates the SSI was not confirmed based on retesting results.

Comments:

1) **Problems with the current detection network:** None.
2) **Schedule to implement remedies:** Not applicable.
3) **Alternative constituent or sample frequency changes:** None.
4) **Significant changes to calculated prediction limits:** None.
5) **Resampling strategy:** Retesting is performed on a 1-of-3 retesting scheme.
6) **Data exclusion justification:** As directed in DNR correspondence dated September 3, 2015 (Doc No. 84169), the inorganic data collected prior to low-flow sampling methods, which were implemented in April 2016, was not considered in this statistical evaluation.

Table 7
Summary of Ongoing and Newly Identified SSIs
2025 Annual Water Quality Report
Scott Area Landfill
Permit No. 82-SDP-09-92P

Well	Constituent	Units	Most recent result	Background Standard	Lower Confidence Limit	GWPS	Sample Dates		
							Initial Exceedance	Resample(s)	5th background sample
OP-14	None								
OP-19	Copper***	mg/L	0.00397*	0.00351	Detection	1.3	6/4/2025	9/24-25/2025	9/26/2008
	Cadmium**	mg/L	0.000489	0.0004769	Detection	0.005	1/13/2026	2nd 2026 Semi-Annual Sampling Event	9/26/2008
	Lead**	mg/L	0.000887	0.000862	Detection	0.015	1/13/2026	2nd 2026 Semi-Annual Sampling Event	9/26/2008
	Nickel**	mg/L	0.111	0.008728	Detection	0.1	1/13/2026	2nd 2026 Semi-Annual Sampling Event	9/26/2008
MW-41	Copper***	mg/L	<0.005	0.00592	Detection	1.3	6/4/2025	9/24-25/2025	6/18/2019
	Zinc***	mg/L	<0.04	0.0213	Detection	2	6/4/2025	9/24-25/2025 - 11/4-5/2025	6/18/2019
MW-42	None								
MW-43	None								
MW-48	Copper***	mg/L	0.00529	0.006675	Detection	1.3	6/4/2025	9/24-25/2025 - 11/4-5/2025	9/22/2021
MW-117	Arsenic*** (June 2025)	mg/L	0.0253	0.02179	Detection	0.02179	6/4/2025	9/24-25/2025	3/21/2022
	Lead***	mg/L	0.000339*	0.000252	Detection	0.015	6/4/2025	9/24-25/2025	3/21/2022
	Zinc***	mg/L	<0.02	0.0112	Detection	2	6/4/2025	9/24-25/2025 - 11/4-5/2025	3/21/2022
	Acetone***	µg/L	<10	<10	Detection	6300	6/4/2025	9/24-25/2025	3/21/2022
	Arsenic** (January 2026)	mg/L	0.0253	0.02179	Detection	0.02179	1/13/2026	2nd 2026 Semi-Annual Sampling Event	3/21/2022
UD-4	Toluene***	µg/L	<1	<1	Detection	1000	1/29/2025	3/6/2025	3 samples

Notes:

1) Shaded rows denote constituent/well pairs with indicated SSIs in 2025 but not in 2024. Unshaded rows denote constituent/well pairs with indicated SSIs during both the 2024 and 2025 reporting periods.

1) * - J Flag - Concentration is below the reporting limit but above the MDL, the concentration is estimated.

3) Detection - Confidence limits are not calculated for monitoring points in the detection monitoring program.

4) ** - Indicated SSI is not confirmed. The results of the 1st 2026 semi-annual sampling event will function as the retest

5) *** - Indicates the SSI was not confirmed based on retesting results.

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:** Not applicable.
5) **Property owner notifications:** Not applicable.

Table 8
Summary Table of Ongoing and Newly Identified SSLs
2025 Annual Water Quality Report
Scott Area Landfill
Permit No. 82-SDP-09-92P

Well	Constituent	Units	Most recent result	Upper Confidence Limit	GWPS	Initial Exceedance	Upper Confidence Limit Below GWPS					
							1st Year		2nd Year		3rd Year	
None												

Table 9
Summary of Groundwater Chemistry
2025 Annual Water Quality Report
Scott Area Landfill
Permit No. 82-SDP-09-92P

The Summary of Groundwater Chemistry - HMSP is located in Appendix C.

The Summary of Groundwater Chemistry - MW-118 is located in Appendix H.

Analytical data prior to 2025 is included in the 2024 Annual Water Quality Report dated February 27, 2025 (Doc #112390).

Table 10
Historical SSI and SSL
2025 Annual Water Quality Report
Scott Area Landfill
Permit No. 82-SDP-09-92P

Key

SSI - Statistically Significant Increase above background.

SSL - Statistically Significant Level above the GWPS.

Well	Constituent	Spring 2019	Fall 2019	Spring 2020	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023*	Fall 2023*	Spring 2024	Fall 2024	Spring 2025	Fall 2025
OP-14	Arsenic										**	**			
OP-19	Copper													**	
	Cadmium														*
	Lead														*
	Nike														*
MW-20AR	Arsenic														
	Cobalt														
	Nickel														
	2-Butanone														
	Acetone														
	Carbon Disulfide														
	Sulfide														
MW-41	Lead												**		
	Copper													**	
	Zinc													**	
MW-42	None														
MW-43	Vanadium										**				
	Copper											**			
MW-48	Copper													**	
MW-117	Arsenic									***				**	*
	Lead													**	
	Zinc													**	
	Acetone													**	
	Carbon Disulfide														
UD-4	Toluene													**	

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.

* - Indicated SSI is not confirmed. The results of the 1st 2026 semi-annual sampling event will function as the retest.

** - Indicates the SSI was not confirmed based on retesting results.

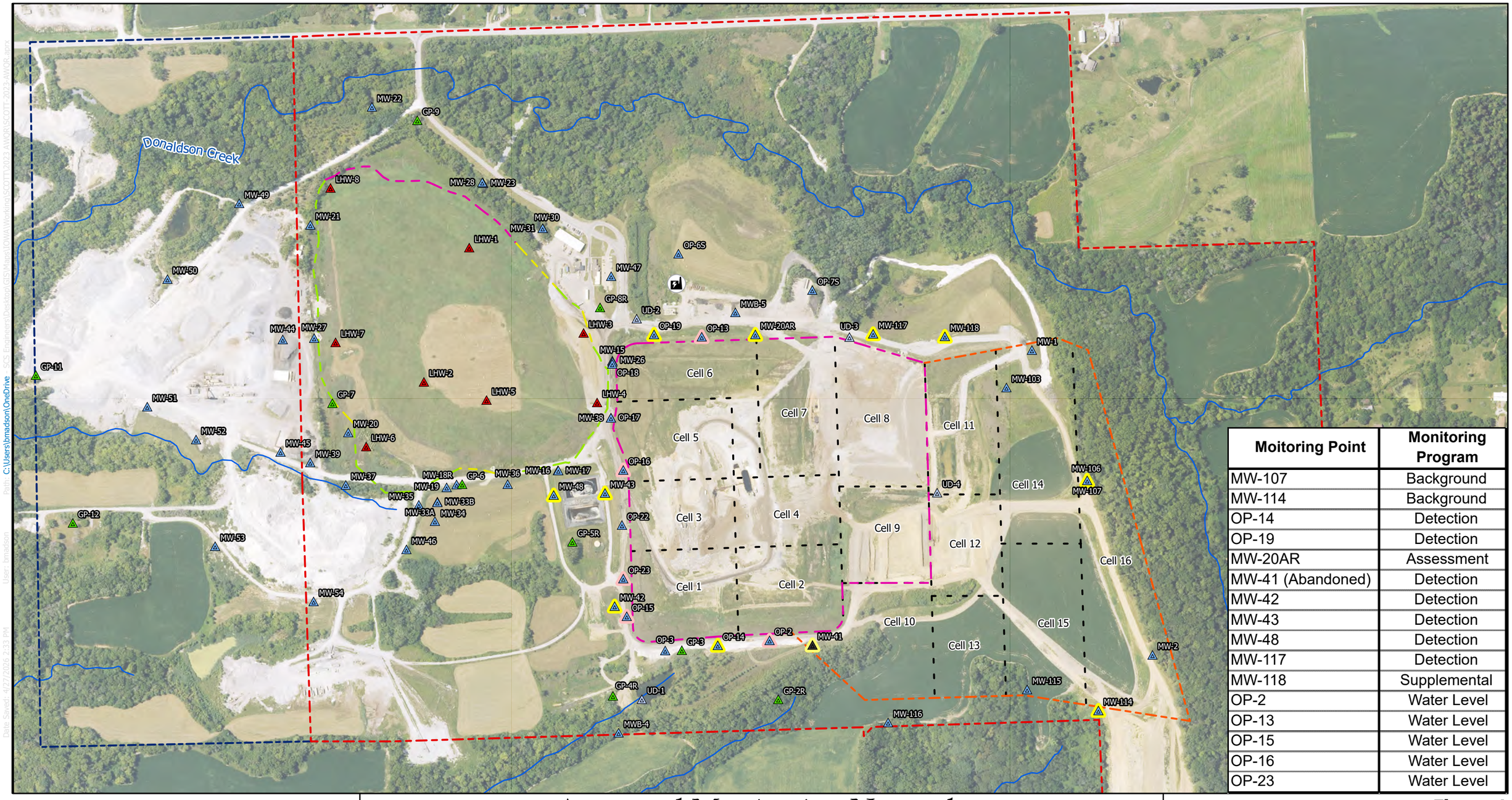
*** - Indicates the SSI was not confirmed by background update.

Table 11
Corrective Action Trend Analysis
2025 Annual Water Quality Report
Scott Area Landfill
Permit No. 82-SDP-09-92P

Well	Current SSL	Trend	Calculated S	Critical S	Total N	Projected Date to Completion
None						

Figures

1 Approved Monitoring Network
2 Groundwater Contours



Moitoring Point	Monitoring Program
MW-107	Background
MW-114	Background
OP-14	Detection
OP-19	Detection
MW-20AR	Assessment
MW-41 (Abandoned)	Detection
MW-42	Detection
MW-43	Detection
MW-48	Detection
MW-117	Detection
MW-118	Supplemental
OP-2	Water Level
OP-13	Water Level
OP-15	Water Level
OP-16	Water Level
OP-23	Water Level

Approved Monitoring Network

Figure 1

SCS ENGINEERS
environmental consultants and contractors

Legend

- HMSP Monitoring Well
- Abandoned HMSP Monitoring Well (January 2026)
- HMSP Water Level Monitoring Well
- Monitoring Well
- Underdrain Location
- Leachate Monitoring Point
- Gas Monitoring Point
- Waga RNG Facility
- Approximate Future Waste Boundary
- Located Waste Boundary
- Approximate Waste Boundary
- Interpolated Waste Boundary
- Approximate Location of Cell Boundary
- Approximate Lease Boundary
- Easement Boundary
- Stream

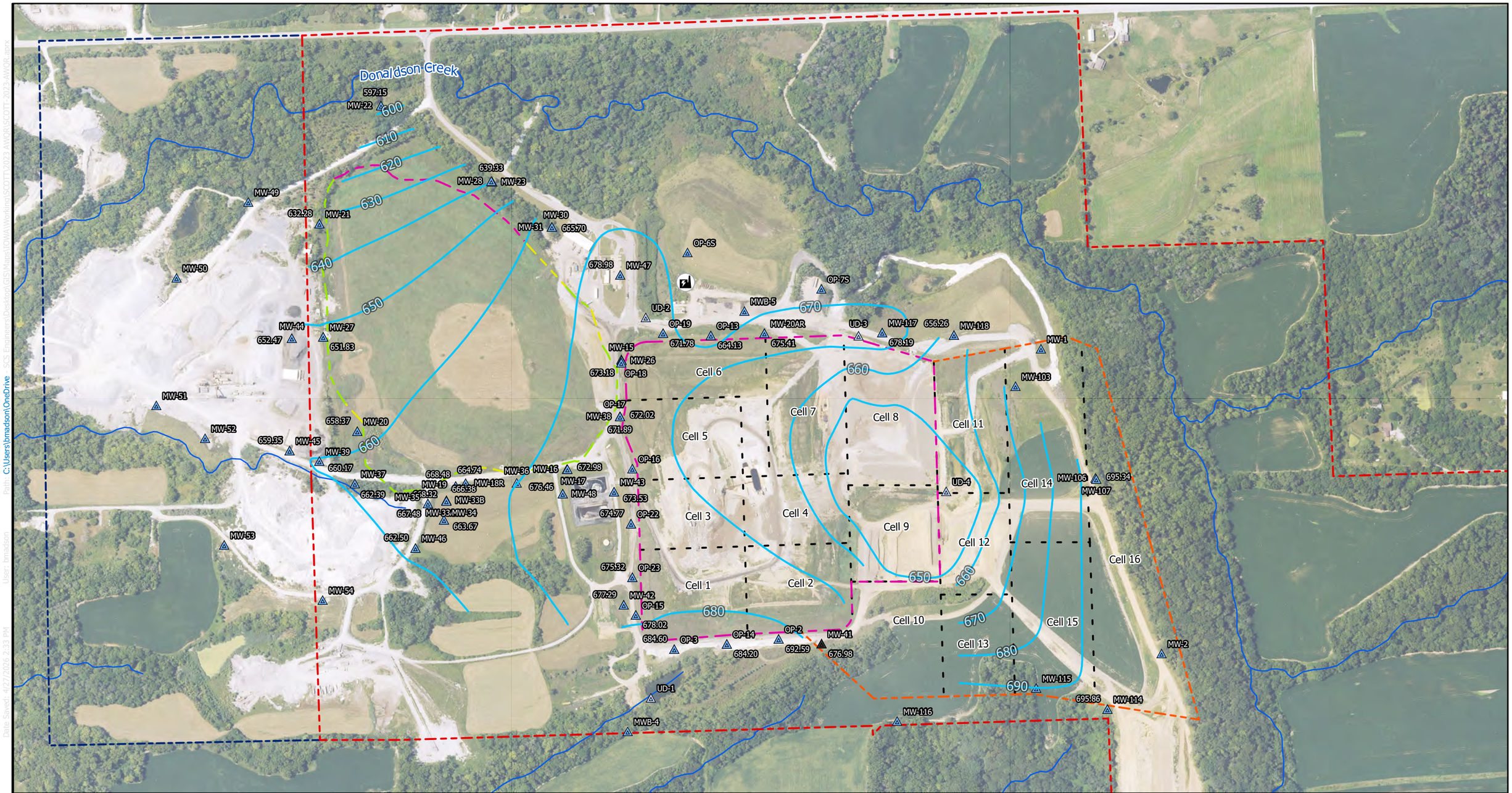
Waste Commission of
Scott County Landfill
Davenport, Iowa
Project No: 27225277.26
Drawing Date: March 2026

W S N E

0 280 560 1,120 1,680 Feet

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, CGIAR, USGS, USDA NAIP, Iowa State University GIS Facility

Path: C:\Users\bmadson\OneDrive - SCS Engineers\Desktop\GIS\Maps\IOWA\Working\SCOTT\2023 AWOR\SCOTT-2023-AWOR.aprx
User: bmadson
Date Saved: 4/27/2026 2:33 PM



Groundwater Contours

Figure 2

Legend

- Approximate Groundwater Contours Based on Field Measurements Taken June 4-5, 2025
- Monitoring Well
- Underdrain Location
- Abandoned HMSP Monitoring Well (January 2026)
- Waga RNG Facility
- Approximate Future Waste Boundary
- Located Waste Boundary
- Approximate Waste Boundary
- Interpolated Waste Boundary
- Approximate Location of Cell Boundary
- Stream
- Easement Boundary
- Approximate Lease Boundary

Waste Commission of
Scott County Landfill
Davenport, Iowa
Project No: 27225277.26
Drawing Date: March 2026

W N S E

0 280 560 1,120 1,680 Feet

SCS ENGINEERS
environmental consultants and contractors

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, CGIAR, USGS, USDA NAIP, Iowa State University GIS Facility

Path: C:\Users\bmadson\OneDrive - SCS Engineers\Desktop\GIS\Mans\IOWA\Working\SCOTT\2023 AWOR\SCOTT-2023-AWOR.aprx
User: bmadson
Date Saved: 4/27/2026 2:33 PM

Appendix A
Field Sampling Forms

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Landfill**		
Monitoring Well/Piezometer ID:	**MW-41**	Date:	**1/29/2025**
Gradient:	Down	Sampler:	Michael Morgan

A. MW/PIEZOMETER CONDITIONS		
Well/Piezometer Capped?	Yes	
Litter/Standing Water?	Yes	Litter; well downwind of active cell

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	NM
Initial Static Water Level (feet):	29.42
Initial Groundwater Elevation (ft-amsl):	675.82
Equipment Used:	Dedicated Submersible 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 (FNU)
2:13 PM	Purging start time.					
2:16 PM	11.9	<0.1	1595.6	6.72	37.4	11.4
2:19 PM	12.6	0.9	1584.9	6.67	-2.2	8.9
2:22 PM	12.4	0.6	1578.6	6.65	-17.2	7.9
2:25 PM	12.7	0.5	1571.9	6.64	-25.2	7.3
	Parameters stabilized, sample collected.					

Quantity of Water Removed from Well (liters):	2.7
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	225.00

D. WELL MAINTENANCE		
Does the well require any future maintenance?	No	
If yes, explain:		

Additional Comments:	Top of Pump = 38.88 ft below TOC. Color: Light Gray Odor: Sulfur

FORM FOR SURFACE WATER SAMPLING

Site Name: Scott Area Landfill
Permit No.: 82-SDP-09-92
Surface Monitoring Point No.: UD-4
Date: 1/29/25

Name of Person Sampling: Michael Morgan

A. TYPE OF MOINITORING POINT

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

B. PURPOSE OF MONITORING POINT

Upstream		Downstream	
Within Landfill	X	Other	

C. MONITORING POINT CONDITIONS/LOCATION

South of MW-106.
Pump used to turn on/off water flow

Was monitoring point dry?	See Above
Was water flowing?	See Above
Standing Water?	See Above
Was water discolored?	No
Does water have odor?	No
Was ground discolored?	No
Litter present?	Yes

D. FIELD MEASUREMENTS

Weather Conditions: 50°F, Sunny
Time: 13:30
Field Measurements:

Temperature	16.9	Units	Celsius
Equipment Used	YSI Pro DSS		
pH	6.71	Units	Standard units
Equipment Used	YSI Pro DSS		
Spec.Conductance	1948	Units	uS/cm
Equipment Used	YSI Pro DSS		

COMMENTS: Turbidity: 2.92 ~~pH: 6.71~~ ORP(mV): 250.5
DO(mg/L): -44.67 → DO reading likely inaccurate due to equipment malfunction.

IDNR Form 542-1324

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Landfill**				
Monitoring Well/Piezometer ID:	**MW-20AR**			Date:	**6/5/2025**
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):	NM
Initial Static Water Level (feet):	38.23
Initial Groundwater Elevation (ft-amsl):	675.41
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)
10:27 AM	Purging start time.					
10:30 AM	16.1	1.6	1333.0	6.92	39.9	16.7
10:33 AM	16.3	2.6	1334.9	6.95	32.6	16.2
10:36 AM	16.3	2.2	1336.8	6.99	33.1	16.1
10:39 AM	16.5	2.4	1339.7	6.96	42.6	15.9
	Parameters stabilized, sample collected.					

Quantity of Water Removed from Well (liters):	5.6
Was well pumped/bailed dry?	Yes
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	466.67

D. WELL MAINTENANCE

Does the well require any future maintenance?	No	
If yes, explain:		

Additional Comments:	Color: Clear Odor: None Top of pump = 44.28 ft. Well pumped dry 6/5 while collecting sample. Resumed sample collection 6/6.

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Landfill**		
Monitoring Well/Piezometer ID:	**MW-41**	Date:	**6/5/2025**
Gradient:	Down	Sampler:	Michael Morgan

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

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	NM
Initial Static Water Level (feet):	28.26
Initial Groundwater Elevation (ft-amsl):	676.98
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)
1:05 PM	Purging start time.					
1:08 PM	14.4	1.6	1088.8	6.74	35.9	11.1
1:11 PM	14.8	2.3	1094.3	6.76	12.2	11.1
1:14 PM	14.0	0.8	1095.7	6.72	-4.3	10.5
1:17 PM	14.1	1.0	1099.8	6.72	-14.0	11.2
	Parameters stabilized, sample collected.					

Quantity of Water Removed from Well (liters):	4.7
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	391.67

D. WELL MAINTENANCE

Does the well require any future maintenance?	No	
If yes, explain:		

Additional Comments:	Color: Clear Odor: None Top of pump = 37.70 ft

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Landfill**		
Monitoring Well/Piezometer ID:	**MW-42**	Date:	**6/5/2025**
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):	NM
Initial Static Water Level (feet):	24.07
Initial Groundwater Elevation (ft-amsl):	677.04
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)
12:15 PM	Purging start time.					
12:18 PM	14.3	1.2	717.6	7.09	-2.7	178.7
12:21 PM	14.4	0.5	715.5	7.08	-65.0	66.7
12:24 PM	14.6	0.8	716.6	7.07	-84.2	58.4
12:27 PM	14.7	0.5	715.4	7.06	-94.7	56.6
	Parameters stabilized, sample collected.					

Quantity of Water Removed from Well (liters):	4.5
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	375.00

D. WELL MAINTENANCE

Does the well require any future maintenance?	No	
If yes, explain:		

Additional Comments:	Color: Cloudy brown Odor: Earthy Top of pump = 41.90 ft. Water became less turbid over time.

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Landfill**		
Monitoring Well/Piezometer ID:	**MW-43**	Date:	**6/5/2025**
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):	55.3
Initial Static Water Level (feet):	24.86
Initial Groundwater Elevation (ft-amsl):	668.53
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)
5:45 PM	Purging start time.					
5:48 PM	17.1	1.7	1266.9	6.77	-31.3	11.7
5:51 PM	17.1	0.9	1246.0	6.72	-62.4	11.4
5:54 PM	16.9	0.6	1320.8	6.70	-75.2	11.3
5:57 PM	16.6	0.4	1409.8	6.68	-81.1	11.9
6:00 PM	16.6	0.3	1484.4	6.66	-83.1	11.3
6:03 PM	16.8	0.2	1608.1	6.66	-81.3	11.1
6:06 PM	16.7	0.2	1710.9	6.65	-76.1	10.8
6:09 PM	16.7	0.1	1748.2	6.64	-70.0	11.3
	Parameters stabilized, sample collected.					

Quantity of Water Removed from Well (liters):	2.9
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	24:00
Average Purge Rate (mL/min):	120.83

D. WELL MAINTENANCE

Does the well require any future maintenance?	No	
If yes, explain:		

Additional Comments:	Color: Clear then yellow tint Odor: Chemical

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Landfill**		
Monitoring Well/Piezometer ID:	**MW-48**	Date:	**6/5/2025**
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):	23.5
Initial Static Water Level (feet):	8.80
Initial Groundwater Elevation (ft-amsl):	676.46
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)
5:05 PM	Purging start time.					
5:08 PM	13.1	3.5	2207.0	6.87	197.7	9.8
5:11 PM	12.8	3.1	2201.0	6.82	203.0	9.7
5:14 PM	12.6	3.0	2199.2	6.80	206.9	9.7
5:17 PM	12.6	3.0	2195.3	6.79	210.0	9.9
	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):	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 mechanism was rusted, unable to open with a key. Lock was cut.

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Landfill**		
Monitoring Well/Piezometer ID:	**OP-14**	Date:	**6/5/2025**
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):	34.6
Initial Static Water Level (feet):	13.86
Initial Groundwater Elevation (ft-amsl):	684.05
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)
4:09 PM	Purging start time.					
4:12 PM	14.6	1.7	2035.1	6.77	237.2	9.9
4:15 PM	14.3	1.0	2054.1	6.76	236.8	9.7
4:18 PM	14.1	0.7	2076.3	6.72	237.4	10.2
4:21 PM	14.2	0.5	2154.8	6.67	238.3	10.7
	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:	**Scott Area Landfill**				
Monitoring Well/Piezometer ID:	**OP-19**			Date:	**6/5/2025**
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):	NM
Initial Static Water Level (feet):	29.20
Initial Groundwater Elevation (ft-amsl):	671.78
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)
1:43 PM	Purging start time.					
1:46 PM	16.3	1.8	863.1	6.96	51.3	11.8
1:49 PM	15.7	0.9	852.4	6.92	75.4	10.2
1:52 PM	15.6	0.7	867.0	6.88	96.6	10.8
1:55 PM	15.4	0.6	867.8	6.86	112.8	10.6
	Parameters stabilized, sample collected.					

Quantity of Water Removed from Well (liters):	5.7
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	475.00

D. WELL MAINTENANCE

Does the well require any future maintenance?	No	
If yes, explain:		

Additional Comments:	Color: Clear Odor: Slight seaweed Top of pump = 30.54 ft. Final purge reading was below top of pump. Minimal dark particulate.

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Landfill**		
Monitoring Well/Piezometer ID:	**MW-107**	Date:	**6/4/2025**
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):	NM
Initial Static Water Level (feet):	27.14
Initial Groundwater Elevation (ft-amsl):	695.34
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)
2:49 PM	Purging start time.					
2:52 PM	14.8	2.0	704.2	7.36	105.5	14.1
2:55 PM	13.0	0.9	626.9	7.38	79.5	20.2
2:58 PM	13.7	0.6	600.8	7.46	33.7	36.7
3:01 PM	12.8	0.4	594.4	7.45	6.8	35.7
	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: Slight seaweed Top of pump = 79.90 ft. Some indiscriminate detritus.

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Landfill**		
Monitoring Well/Piezometer ID:	**MW-114**	Date:	**6/4/2025**
Gradient:	Up	Sampler:	Michael Morgan

A. MW/PIEZOMETER CONDITIONS		
Well/Piezometer Capped?	No	Requires well head assembly
Litter/Standing Water?	No	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	21.3
Initial Static Water Level (feet):	11.50
Initial Groundwater Elevation (ft-amsl):	695.86
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)
3:38 PM	Purging start time.					
3:41 PM	12.8	7.3	667.1	6.88	186.4	10.3
3:44 PM	12.6	7.4	663.6	6.83	191.4	9.5
3:47 PM	12.6	7.4	661.7	6.81	194.4	9.2
3:50 PM	12.3	7.4	673.6	6.80	197.9	9.1
	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:	Well head assembly.	

Additional Comments:	Color: Clear Odor: Slightly earthy

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Landfill**				
Monitoring Well/Piezometer ID:	**MW-117**			Date:	**6/5/2025**
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):	NM
Initial Static Water Level (feet):	30.70
Initial Groundwater Elevation (ft-amsl):	678.19
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)
11:22 AM	Purging start time.					
11:25 AM	13.6	1.0	1751.8	6.55	30.7	39.4
11:28 AM	15.1	0.8	1766.3	6.56	-21.5	29.0
11:31 AM	14.1	0.6	1773.3	6.55	-37.0	30.8
11:34 AM	14.8	0.6	1774.2	6.54	-45.8	25.1
11:37 AM	15.9	0.6	1784.3	6.54	-50.8	23.5
	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):	15:00
Average Purge Rate (mL/min):	100.00

D. WELL MAINTENANCE

Does the well require any future maintenance?	No	
If yes, explain:		

Additional Comments:	Color: Gray tint Odor: Ocean Flow stopped at 11:27 am, regained at 11:30 am. Flow stopped again briefly at 11:36 am.

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Landfill**		
Monitoring Well/Piezometer ID:	**MW-118**	Date:	**6/5/2025**
Gradient:	Down	Sampler:	Michael Morgan

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped?	Yes	
Litter/Standing Water?	Yes	Litter

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet):	NM
Initial Static Water Level (feet):	56.99
Initial Groundwater Elevation (ft-amsl):	656.26
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)
2:25 PM	Purging start time.					
2:28 PM	15.4	0.9	697.6	7.64	81.0	42.2
2:31 PM	16.1	0.5	717.1	7.66	-64.9	39.1
2:34 PM	16.6	0.4	730.2	7.65	-119.5	31.8
2:37 PM	18.2	0.4	741.3	7.63	-137.2	31.6
	Parameters stabilized, sample collected.					

Quantity of Water Removed from Well (liters):	1.2
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	100.00

D. WELL MAINTENANCE

Does the well require any future maintenance?	No	
If yes, explain:		

Additional Comments:	Color: Clear Odor: Earthy Top of pump = 76.30 ft. Ants and fine brown particulate during stabilization and sampling.

FORM FOR SURFACE WATER SAMPLING

Site Name: Scott Area Landfill
Permit No: 82-SDP-09-92
Surface Monitoring Point No.: UD-4
Date: 6/5/25

Name of Person Sampling: Michael Morgan

A. TYPE OF MOINITORING POINT

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

B. PURPOSE OF MONITORING POINT

Upstream		Downstream	
Within Landfill	X	Other	

C. MONITORING POINT CONDITIONS/LOCATION

South of MW-106.
Standing water approx ankle deep around switch & outlet

Was monitoring point dry?	No
Was water flowing?	"Yes"
Standing Water?	Yes
Was water discolored?	No
Does water have odor?	Yes
Was ground discolored?	Yes
Litter present?	Yes

D. FIELD MEASUREMENTS

Weather Conditions: Partly cloudy, 76°F, wind, E 9mph
Time: 18:50
Field Measurements:

Temperature	16.8	Units	Celsius
Equipment Used			
pH	6.91	Units	Standard units
Equipment Used			
Spec.Conductance	1891	Units	uS/cm
Equipment Used			

COMMENTS DO = 2.88 mg/L ORP = 33.2 mV 15.62 NTU Turbidity
Sample color = clear odor = slight landfill
fine black particulate present.

IDNR Form 542-1324

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**MW-41**	Date:	**11/4/2025**
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):	41.2
Initial Static Water Level (feet):	31.34
Initial Groundwater Elevation (ft-amsl):	673.90
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 (FNU)
3:46 PM	Purging start time.					
3:49 PM	14.9	0.4	1126.3	6.68	112.1	494.1
3:52 PM	14.9	0.3	1124.5	6.68	98.4	492.9
3:55 PM	15.2	0.3	1122.9	6.67	85.8	475.8
3:58 PM	15.2	0.3	1130.9	6.67	74.1	497.3
4:01 PM	14.7	0.3	1124.9	6.67	64.4	389.9
4:04 PM	14.9	0.2	1120.0	6.67	55.9	289.4
4:07 PM	14.9	0.2	1120.0	6.67	48.9	202.1
4:10 PM	14.8	0.2	1118.5	6.66	43.2	149.8
4:13 PM	14.7	0.2	1116.5	6.66	38.7	101.5
4:16 PM	14.6	0.2	1113.5	6.66	34.9	58.6
4:19 PM	14.4	0.2	1112.6	6.66	31.8	38.4
4:22 PM	14.4	0.2	1111.1	6.66	29.3	27.1
4:25 PM	14.4	0.2	1111.0	6.66	27.2	23.4
4:28 PM	14.4	0.2	1110.3	6.66	25.4	20.5
4:31 PM	14.4	0.2	1110.1	6.66	23.8	17.1
4:34 PM	14.3	0.2	1109.1	6.66	22.4	13.3
4:37 PM	14.4	0.2	1107.2	6.66	21.1	11.4
4:40 PM	14.4	0.2	1107.2	6.66	19.9	10.0
	Parameters stabilized, sample collected.					

Quantity of Water Removed from Well (liters):	8.2
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	63:00
Average Purge Rate (mL/min):	130.16

D. WELL MAINTENANCE		
Does the well require any future maintenance?	No	
If yes, explain:		

Additional Comments:	Had to wait for turbidity to decrease. 21 readings. Entered last 18 readings. Color: Clear (end of sampling) Odor: None

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**MW-48**	Date:	**9/25/2025**
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):	14.00
Initial Groundwater Elevation (ft-amsl):	671.26
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 (FNU)
10:29 AM	Purging start time.					
10:32 AM	15.7	0.9	2287.7	6.68	27.3	14.7
10:35 AM	15.9	0.5	2330.2	6.68	42.1	19.6
10:38 AM	15.5	0.3	2345.5	6.68	51.6	13.9
10:41 AM	15.3	0.2	2348.8	6.68	58.6	16.7
	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?	Yes	
If yes, explain:	Lock needed.	

Additional Comments:	Color: clear Odor: none

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**MW-117**	Date:	**9/25/2025**
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):	60.5
Initial Static Water Level (feet):	34.31
Initial Groundwater Elevation (ft-amsl):	674.58
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 (FNU)
11:16 AM	Purging start time.					
11:19 AM	17.1	1.4	2123.0	6.53	-81.8	123.3
11:22 AM	16.6	0.5	2105.2	6.52	-87.9	116.5
11:25 AM	15.8	0.3	2101.0	6.52	-90.0	121.1
11:28 AM	16.0	0.2	2101.0	6.51	-92.0	119.1
	Parameters stabilized, sample collected.					

Quantity of Water Removed from Well (liters):	2.6
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	216.67

D. WELL MAINTENANCE

Does the well require any future maintenance?	Yes	
If yes, explain:	Dedicated submersible pump needs replaced. Lock needed.	

Additional Comments:	Color: grey Odor: sulfur Slowest flow possible.

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**OP-19**	Date:	**9/24/2025**
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):	37.3
Initial Static Water Level (feet):	29.00
Initial Groundwater Elevation (ft-amsl):	671.98
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 (FNU)
12:19 PM	Purging start time.					
12:22 PM	17.4	1.6	1212.0	6.83	110.9	28.1
12:25 PM	17.4	1.6	1212.0	6.83	110.9	28.1
12:28 PM	17.3	1.7	1224.0	6.83	112.1	27.6
12:31 PM	17.1	1.6	1214.0	6.83	114.6	19.7
	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 YSI data manually entered. Slowest possible flow.

FORM FOR GROUNDWATER SAMPLING

Project: Scott

Monitoring Well/Piezometer ID: UD-4 Date: 9-24-25

Gradient (circle one): Up / Down / Supp / Compliance Sampler: Garrett Horak

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): Peri Tubing Used (feet):

Initial Static Water Level (feet): Sub Tubing Used (feet):

Equipment Used (check one): □ Dedicated Peristaltic Tubing □ Dedicated Submersible Pump*
□ Dedicated Bailer □ Other: *Controller Type: G / Y / BR

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	**Temperature (°C) +/- 10%**	Dissolved Oxygen (mg/L)	**Conductivity (µS/cm) +/- 10%**	**pH (S.U.) +/- 0.1**	ORP (mV)	Turbidity (FNU)	Static Water Level (feet)
	Purging start time						
1106	14.3	3.05	2181	6.67	-36.9	482	—
	Parameters stabilized for 3 consective readings, YSI stopped recording, sample collected						
	←Final SWL Record Time Finished collecting sample **Final SWL after sampling →**						

Quantity of Water Removed from Well (circle units: liters / gallons):

Was well pumped/bailed dry?

Total Amount of Time Purged (minutes)

Color Describe:

Odor Describe:

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No

If yes, explain:

Is the monitoring well/piezometer correctly labled with a physical tag visible on the outside of the protective well casing? Yes / No

Additional Comments/Sampling Issues:

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**MW-41**	Date:	**11/4/2025**
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):	41.2
Initial Static Water Level (feet):	31.34
Initial Groundwater Elevation (ft-amsl):	673.90
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 (FNU)
3:46 PM	Purging start time.					
3:49 PM	14.9	0.4	1126.3	6.68	112.1	494.1
3:52 PM	14.9	0.3	1124.5	6.68	98.4	492.9
3:55 PM	15.2	0.3	1122.9	6.67	85.8	475.8
3:58 PM	15.2	0.3	1130.9	6.67	74.1	497.3
4:01 PM	14.7	0.3	1124.9	6.67	64.4	389.9
4:04 PM	14.9	0.2	1120.0	6.67	55.9	289.4
4:07 PM	14.9	0.2	1120.0	6.67	48.9	202.1
4:10 PM	14.8	0.2	1118.5	6.66	43.2	149.8
4:13 PM	14.7	0.2	1116.5	6.66	38.7	101.5
4:16 PM	14.6	0.2	1113.5	6.66	34.9	58.6
4:19 PM	14.4	0.2	1112.6	6.66	31.8	38.4
4:22 PM	14.4	0.2	1111.1	6.66	29.3	27.1
4:25 PM	14.4	0.2	1111.0	6.66	27.2	23.4
4:28 PM	14.4	0.2	1110.3	6.66	25.4	20.5
4:31 PM	14.4	0.2	1110.1	6.66	23.8	17.1
4:34 PM	14.3	0.2	1109.1	6.66	22.4	13.3
4:37 PM	14.4	0.2	1107.2	6.66	21.1	11.4
4:40 PM	14.4	0.2	1107.2	6.66	19.9	10.0
	Parameters stabilized, sample collected.					

Quantity of Water Removed from Well (liters):	8.2
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	63:00
Average Purge Rate (mL/min):	130.16

D. WELL MAINTENANCE		
Does the well require any future maintenance?	No	
If yes, explain:		

Additional Comments:	Had to wait for turbidity to decrease. 21 readings. Entered last 18 readings. Color: Clear (end of sampling) Odor: None

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Sanitary Landfill**				
Monitoring Well/Piezometer ID:	**MW-48**			Date:	**11/5/2025**
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):	23.5
Initial Static Water Level (feet):	16.30
Initial Groundwater Elevation (ft-amsl):	668.96
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 (FNU)
9:54 AM	Purging start time.					
9:57 AM	14.1	1.4	1997.8	7.15	144.3	1.1
10:00 AM	14.1	1.3	2000.0	6.81	158.1	<1.0
10:03 AM	14.0	1.3	2007.6	6.70	165.9	<1.0
10:06 AM	14.1	1.2	2013.3	6.65	170.8	<1.0
10:09 AM	14.1	1.2	2020.5	6.64	174.4	<1.0
	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: None

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**MW-117**	Date:	**11/6/2025**
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):	60.9
Initial Static Water Level (feet):	47.95
Initial Groundwater Elevation (ft-amsl):	660.94
Equipment Used:	Disposable Bailer

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 (FNU)
	Purging start time.					
	Parameters stabilized, sample collected.					

Quantity of Water Removed from Well (liters):	1.0
Was well pumped/bailed dry?	Yes
Total Amount of Time Purged (minutes:seconds):	NA
Average Purge Rate (mL/min):	NA

D. WELL MAINTENANCE		
Does the well require any future maintenance?	No	
If yes, explain:		

Additional Comments:	Went dry trying to stabilize turbidity. Lowered bailer, came back after well had a chance to recharge, sampled. Color: Slight cloudy grey, Odor: None

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**MW-20AR**	Date:	**1/14/2026**
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):	51.4
Initial Static Water Level (feet):	39.45
Initial Groundwater Elevation (ft-amsl):	674.19
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 (FNU)
3:33 PM	Purging start time.					
3:35 PM	14.2	1.6	1305.1	6.96	-31.6	21.5
3:38 PM	15.0	0.6	1348.0	6.91	-33.2	9.6
3:41 PM	14.6	0.6	1338.0	6.91	-34.6	7.1
3:44 PM	14.4	0.5	1348.0	6.91	-34.8	6.5
3:47 PM	14.4	0.5	1333.7	6.91	-35.0	6.0
	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):	15:00
Average Purge Rate (mL/min):	146.67

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:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**MW-41**	Date:	**1/13/2026**
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):	41.2
Initial Static Water Level (feet):	31.19
Initial Groundwater Elevation (ft-amsl):	674.05
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 (FNU)
4:17 PM	Purging start time.					
4:20 PM	11.6	0.8	1512.3	6.75	230.0	209.6
4:23 PM	12.3	0.6	1537.0	6.78	219.9	288.4
4:26 PM	12.4	0.4	1549.8	6.79	209.2	323.4
4:29 PM	12.4	0.4	1553.7	6.80	197.6	360.1
4:32 PM	11.9	0.3	1565.6	6.81	185.3	344.0
4:35 PM	11.5	0.3	1546.1	6.81	173.7	316.6
4:38 PM	11.2	0.3	1548.3	6.82	161.4	220.7
4:41 PM	10.3	0.4	1521.7	6.83	151.8	350.4
	Parameters stabilized, sample collected.					

Quantity of Water Removed from Well (liters):	3.1
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	33:00
Average Purge Rate (mL/min):	93.94

D. WELL MAINTENANCE

Does the well require any future maintenance?	No	
If yes, explain:		

Additional Comments:	High turbidity continued to rise. Did not send to the laboratory for analysis due to the elevated turbidity. Color: Gray Odor: None

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**MW-42**	Date:	**1/14/2026**
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):	45.5
Initial Static Water Level (feet):	27.20
Initial Groundwater Elevation (ft-amsl):	673.91
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 (FNU)
1:43 PM	Purging start time.					
1:46 PM	10.4	1.7	743.6	7.29	120.4	232.2
1:49 PM	9.8	1.0	727.0	7.09	56.4	180.4
1:52 PM	10.2	0.8	718.4	7.02	1.6	134.1
1:55 PM	10.4	0.7	711.8	6.99	-23.9	102.0
	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: Gray Odor: None

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**MW-43**	Date:	**1/13/2026**
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):	55.6
Initial Static Water Level (feet):	27.70
Initial Groundwater Elevation (ft-amsl):	665.69
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 (FNU)
11:51 AM	Purging start time.					
11:54 AM	15.0	1.8	747.0	7.08	270.2	7.9
11:57 AM	15.6	0.8	898.0	6.81	273.5	7.7
12:00 PM	15.7	0.5	1172.5	6.65	256.6	5.2
12:03 PM	15.7	0.4	1483.6	6.59	229.5	4.3
12:06 PM	15.7	0.4	1693.4	6.58	202.8	4.4
12:09 PM	15.6	0.3	1826.5	6.58	179.8	3.3
12:12 PM	15.3	0.3	1851.9	6.60	160.3	2.8
	Parameters stabilized, sample collected.					

Quantity of Water Removed from Well (liters):	4.0
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	21:00
Average Purge Rate (mL/min):	190.48

D. WELL MAINTENANCE		
Does the well require any future maintenance?	Yes	
If yes, explain:	Needs Lock	

Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**MW-48**	Date:	**1/13/2026**
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):	15.61
Initial Groundwater Elevation (ft-amsl):	669.65
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 (FNU)
10:31 AM	Purging start time.					
10:34 AM	12.1	5.2	2262.0	6.90	243.1	2.3
10:37 AM	11.9	4.7	2248.6	6.64	263.9	2.2
10:40 AM	11.7	4.6	2222.0	6.62	273.2	3.0
10:43 AM	11.7	4.5	2197.8	6.64	279.2	3.2
	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?	Yes	
If yes, explain:	Needs Lock	

Additional Comments:	Color: Clear Odor: None.

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**MW-107**	Date:	**1/13/2026**
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):	84.8
Initial Static Water Level (feet):	32.10
Initial Groundwater Elevation (ft-amsl):	690.38
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 (FNU)
2:00 PM	Purging start time.					
2:03 PM	11.0	2.7	858.8	7.22	142.1	14.9
2:06 PM	11.6	1.3	640.6	7.36	126.7	35.2
2:09 PM	11.5	0.8	627.3	7.38	110.9	28.7
2:12 PM	11.3	0.7	624.4	7.38	93.6	26.2
	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: Gray Odor: None

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**MW-114**	Date:	**1/13/2026**
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):	21.4
Initial Static Water Level (feet):	15.21
Initial Groundwater Elevation (ft-amsl):	692.15
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 (FNU)
2:49 PM	Purging start time.					
2:52 PM	11.7	3.1	705.2	7.08	24.6	19.2
2:55 PM	11.7	2.8	709.0	6.98	32.2	11.6
2:58 PM	11.7	3.1	708.0	6.93	42.4	8.8
3:01 PM	11.7	3.5	706.7	6.90	55.7	6.4
	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:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**MW-117**	Date:	**1/15/2026**
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):	NM
Initial Static Water Level (feet):	35.71
Initial Groundwater Elevation (ft-amsl):	673.18
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 (FNU)
12:27 PM	Purging start time.					
12:30 PM	10.4	2.2	1514.9	6.78	82.5	116.4
12:33 PM	13.0	0.9	1610.3	6.68	17.6	37.2
12:36 PM	11.6	0.6	1630.7	6.70	-11.4	23.2
12:39 PM	12.1	0.5	1607.1	6.71	-26.2	23.9
	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):	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:	Forgot to take well depth measurement Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**MW-118**	Date:	**1/13/2026**
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):	86.0
Initial Static Water Level (feet):	60.92
Initial Groundwater Elevation (ft-amsl):	652.33
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 (FNU)
11:48 AM	Purging start time.					
11:51 AM	7.7	2.9	697.6	7.87	143.7	93.0
11:54 AM	11.1	1.4	655.8	7.58	145.2	78.0
11:57 AM	10.7	0.8	605.8	7.54	116.7	73.2
12:00 PM	10.1	0.6	576.6	7.56	67.4	73.0
	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?	Yes	
If yes, explain:	Needs new pump.	

Additional Comments:	Color: Clear Odor: None

FORM FOR GROUNDWATER SAMPLING

Project:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**OP-14**	Date:	**1/13/2026**
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):	35.6
Initial Static Water Level (feet):	14.70
Initial Groundwater Elevation (ft-amsl):	683.21
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 (FNU)
12:41 PM	Purging start time.					
12:44 PM	12.6	2.0	1982.7	6.79	195.3	3.5
12:47 PM	12.8	1.0	1993.7	6.75	184.0	2.6
12:50 PM	12.6	0.7	2002.3	6.73	173.2	2.5
12:53 PM	12.5	0.6	2001.0	6.72	169.0	2.2
	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:	**Scott Area Sanitary Landfill**		
Monitoring Well/Piezometer ID:	**OP-19**	Date:	**1/14/2026**
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):	37.4
Initial Static Water Level (feet):	24.45
Initial Groundwater Elevation (ft-amsl):	676.53
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 (FNU)
2:22 PM	Purging start time.					
2:25 PM	10.2	1.2	784.2	6.97	-63.3	115.2
2:28 PM	10.7	0.9	788.7	6.96	-62.7	96.4
2:31 PM	10.9	0.9	790.1	6.95	-60.9	75.4
2:34 PM	11.0	0.9	794.4	6.94	-58.5	53.8
	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: Scott Area Landfill
Permit No.: 82-SDP-09-92
Surface Monitoring Point No.: UD-4
Date: 1/14/2026

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	
Within Landfill	X	Other	

C. MONITORING POINT CONDITIONS/LOCATION

South of MW-106.
Underdrain discharge of Cell 9.

Was monitoring point dry?		
Was water flowing?		
Standing Water?		
Was water discolored?		
Does water have odor?		
Was ground discolored?		
Litter present?		

Frozen.
No Sample Possible

D. FIELD MEASUREMENTS

Weather Conditions:

Time:

Field Measurements:

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

COMMENTS

IDNR Form 542-1324

Appendix B-1
Laboratory Analytical Data Sheets

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/11/2025 11:43:40 AM

JOB DESCRIPTION

Scott Area Landfill - Winter 2025 Retest

JOB NUMBER

310-299550-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

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



Generated
2/11/2025 11:43:40 AM

Authorized for release by
Samuel Miller, Project Management Assistant I
Samuel.Miller@et.eurofinsus.com
(319)277-2401

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 5
Detection Summary 6
Client Sample Results 7
Definitions 12
Surrogate Summary 13
QC Sample Results 14
QC Association 21
Chronicle 22
Certification Summary 23
Method Summary 24
Chain of Custody 25
Receipt Checklists 27

Job ID: 310-299550-1 Eurofins Cedar Falls

Job Narrative
310-299550-1

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 1/30/2025 4:25 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 0.3°C.

GC/MS VOA
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.

Sample Summary

Client: SCS Engineers
Job ID: 310-299550-1
Project/Site: Scott Area Landfill - Winter 2025 Retest

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-299550-1	MW-41	Water	01/29/25 14:25	01/30/25 16:25
310-299550-2	UD-4	Water	01/29/25 13:40	01/30/25 16:25
310-299550-3	Trip Blank	Water	01/29/25 00:00	01/30/25 16:25

Detection Summary

Client: SCS Engineers
Job ID: 310-299550-1
Project/Site: Scott Area Landfill - Winter 2025 Retest

Client Sample ID: MW-41
Lab Sample ID: 310-299550-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	36.7		5.00	3.70	mg/L	1		I-3765-85	Total/NA

Client Sample ID: UD-4
Lab Sample ID: 310-299550-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.14	J	10.0	3.10	ug/L	1		8260D	Total/NA
Toluene	17.0		1.00	0.430	ug/L	1		8260D	Total/NA
Arsenic	0.00179	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.148		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000418		0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00539		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.00243	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Nickel	0.0243		0.00500	0.00210	mg/L	1		6020B	Total/NA
Vanadium	0.00119	J	0.00500	0.00110	mg/L	1		6020B	Total/NA
Zinc	0.00985	J	0.0200	0.00970	mg/L	1		6020B	Total/NA
Total Suspended Solids	4.67	J	5.00	3.70	mg/L	1		I-3765-85	Total/NA

Client Sample ID: Trip Blank
Lab Sample ID: 310-299550-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: SCS Engineers
Job ID: 310-299550-1
Project/Site: Scott Area Landfill - Winter 2025 Retest

Client Sample ID: MW-41
Lab Sample ID: 310-299550-1
Date Collected: 01/29/25 14:25
Matrix: Water
Date Received: 01/30/25 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.000500		0.000500	0.000260	mg/L		02/03/25 08:30	02/04/25 15:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	36.7		5.00	3.70	mg/L			01/31/25 23:52	1

Client: SCS Engineers
Job ID: 310-299550-1
Project/Site: Scott Area Landfill - Winter 2025 Retest

Client Sample ID: UD-4
Lab Sample ID: 310-299550-2
Date Collected: 01/29/25 13:40
Matrix: Water
Date Received: 01/30/25 16:25

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	0.380	ug/L			01/31/25 15:51	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			01/31/25 15:51	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			01/31/25 15:51	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			01/31/25 15:51	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			01/31/25 15:51	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			01/31/25 15:51	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			01/31/25 15:51	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/31/25 15:51	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/31/25 15:51	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/31/25 15:51	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			01/31/25 15:51	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			01/31/25 15:51	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			01/31/25 15:51	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			01/31/25 15:51	1
2-Hexanone	<10.0		10.0	2.00	ug/L			01/31/25 15:51	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			01/31/25 15:51	1
Acetone	**3.14**	**J**	10.0	3.10	ug/L			01/31/25 15:51	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/31/25 15:51	1
Benzene	<0.500		0.500	0.220	ug/L			01/31/25 15:51	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			01/31/25 15:51	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/31/25 15:51	1
Bromoform	<5.00		5.00	0.780	ug/L			01/31/25 15:51	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/31/25 15:51	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/31/25 15:51	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/31/25 15:51	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			01/31/25 15:51	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			01/31/25 15:51	1
Chloroethane	<4.00		4.00	0.790	ug/L			01/31/25 15:51	1
Chloroform	<3.00		3.00	1.30	ug/L			01/31/25 15:51	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/31/25 15:51	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			01/31/25 15:51	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			01/31/25 15:51	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/31/25 15:51	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			01/31/25 15:51	1
Iodomethane	<10.0		10.0	7.00	ug/L			01/31/25 15:51	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/31/25 15:51	1
Styrene	<1.00		1.00	0.370	ug/L			01/31/25 15:51	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/31/25 15:51	1
Toluene	**17.0**		1.00	0.430	ug/L			01/31/25 15:51	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			01/31/25 15:51	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			01/31/25 15:51	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			01/31/25 15:51	1
Trichloroethene	<1.00		1.00	0.430	ug/L			01/31/25 15:51	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			01/31/25 15:51	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			01/31/25 15:51	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			01/31/25 15:51	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			01/31/25 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*73 - 130*		*01/31/25 15:51*	*1*

Client Sample ID: UD-4
Lab Sample ID: 310-299550-2
Date Collected: 01/29/25 13:40
Matrix: Water
Date Received: 01/30/25 16:25

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*01/31/25 15:51*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*01/31/25 15:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		02/07/25 09:00	02/10/25 13:25	1
Arsenic	**0.00179**	**J**	0.00200	0.000530	mg/L		02/07/25 09:00	02/10/25 13:25	1
Barium	**0.148**		0.00200	0.000660	mg/L		02/07/25 09:00	02/10/25 13:25	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		02/07/25 09:00	02/10/25 13:25	1
Cadmium	**0.000418**		0.000200	0.000100	mg/L		02/07/25 09:00	02/10/25 13:25	1
Chromium	<0.00500		0.00500	0.00120	mg/L		02/07/25 09:00	02/10/25 13:25	1
Cobalt	**0.00539**		0.000500	0.000170	mg/L		02/07/25 09:00	02/10/25 13:25	1
Copper	**0.00243**	**J**	0.00500	0.00180	mg/L		02/07/25 09:00	02/10/25 13:25	1
Lead	<0.000500		0.000500	0.000260	mg/L		02/07/25 09:00	02/10/25 13:25	1
Nickel	**0.0243**		0.00500	0.00210	mg/L		02/07/25 09:00	02/10/25 13:25	1
Selenium	<0.00500		0.00500	0.00140	mg/L		02/07/25 09:00	02/10/25 13:25	1
Silver	<0.00100		0.00100	0.000500	mg/L		02/07/25 09:00	02/10/25 13:25	1
Thallium	<0.00100		0.00100	0.000570	mg/L		02/07/25 09:00	02/10/25 13:25	1
Vanadium	**0.00119**	**J**	0.00500	0.00110	mg/L		02/07/25 09:00	02/10/25 13:25	1
Zinc	**0.00985**	**J**	0.0200	0.00970	mg/L		02/07/25 09:00	02/10/25 13:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**4.67**	**J**	5.00	3.70	mg/L			01/31/25 23:52	1

Client Sample ID: Trip Blank
Lab Sample ID: 310-299550-3
Date Collected: 01/29/25 00:00
Matrix: Water
Date Received: 01/30/25 16:25

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	0.380	ug/L			01/31/25 10:55	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			01/31/25 10:55	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			01/31/25 10:55	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			01/31/25 10:55	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			01/31/25 10:55	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			01/31/25 10:55	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			01/31/25 10:55	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/31/25 10:55	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/31/25 10:55	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/31/25 10:55	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			01/31/25 10:55	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			01/31/25 10:55	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			01/31/25 10:55	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			01/31/25 10:55	1
2-Hexanone	<10.0		10.0	2.00	ug/L			01/31/25 10:55	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			01/31/25 10:55	1
Acetone	<10.0		10.0	3.10	ug/L			01/31/25 10:55	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/31/25 10:55	1
Benzene	<0.500		0.500	0.220	ug/L			01/31/25 10:55	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			01/31/25 10:55	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/31/25 10:55	1
Bromoform	<5.00		5.00	0.780	ug/L			01/31/25 10:55	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/31/25 10:55	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/31/25 10:55	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/31/25 10:55	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			01/31/25 10:55	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			01/31/25 10:55	1
Chloroethane	<4.00		4.00	0.790	ug/L			01/31/25 10:55	1
Chloroform	<3.00		3.00	1.30	ug/L			01/31/25 10:55	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/31/25 10:55	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			01/31/25 10:55	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			01/31/25 10:55	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/31/25 10:55	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			01/31/25 10:55	1
Iodomethane	<10.0		10.0	7.00	ug/L			01/31/25 10:55	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/31/25 10:55	1
Styrene	<1.00		1.00	0.370	ug/L			01/31/25 10:55	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/31/25 10:55	1
Toluene	<1.00		1.00	0.430	ug/L			01/31/25 10:55	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			01/31/25 10:55	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			01/31/25 10:55	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			01/31/25 10:55	1
Trichloroethene	<1.00		1.00	0.430	ug/L			01/31/25 10:55	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			01/31/25 10:55	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			01/31/25 10:55	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			01/31/25 10:55	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			01/31/25 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*73 - 130*		*01/31/25 10:55*	*1*

Client Sample ID: Trip Blank
Lab Sample ID: 310-299550-3
Date Collected: 01/29/25 00:00
Matrix: Water
Date Received: 01/30/25 16:25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		01/31/25 10:55	1
4-Bromofluorobenzene (Surr)	99		80 - 120		01/31/25 10:55	1

Definitions/Glossary

Client: SCS Engineers
Job ID: 310-299550-1
Project/Site: Scott Area Landfill - Winter 2025 Retest

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: 310-299550-1
Project/Site: Scott Area Landfill - Winter 2025 Retest

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
		DBFM	TOL	BFB						
Lab Sample ID	Client Sample ID	(73-130)	(80-120)	(80-120)						
310-299550-2	UD-4	107	91	99						
310-299550-2 MS	UD-4	109	94	96						
310-299550-2 MSD	UD-4	109	94	96						
310-299550-3	Trip Blank	109	94	99						
LCS 310-445871/6	Lab Control Sample	110	95	96						
LCS 310-445871/7	Lab Control Sample	112	93	100						
MB 310-445871/5	Method Blank	112	94	100						

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

Lab Sample ID: MB 310-445871/5
Matrix: Water
Analysis Batch: 445871

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	0.380	ug/L			01/31/25 09:24	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			01/31/25 09:24	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			01/31/25 09:24	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			01/31/25 09:24	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			01/31/25 09:24	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			01/31/25 09:24	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			01/31/25 09:24	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/31/25 09:24	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/31/25 09:24	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/31/25 09:24	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			01/31/25 09:24	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			01/31/25 09:24	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			01/31/25 09:24	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			01/31/25 09:24	1
2-Hexanone	<10.0		10.0	2.00	ug/L			01/31/25 09:24	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			01/31/25 09:24	1
Acetone	<10.0		10.0	3.10	ug/L			01/31/25 09:24	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/31/25 09:24	1
Benzene	<0.500		0.500	0.220	ug/L			01/31/25 09:24	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			01/31/25 09:24	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/31/25 09:24	1
Bromoform	<5.00		5.00	0.780	ug/L			01/31/25 09:24	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/31/25 09:24	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/31/25 09:24	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/31/25 09:24	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			01/31/25 09:24	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			01/31/25 09:24	1
Chloroethane	<4.00		4.00	0.790	ug/L			01/31/25 09:24	1
Chloroform	<3.00		3.00	1.30	ug/L			01/31/25 09:24	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/31/25 09:24	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			01/31/25 09:24	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			01/31/25 09:24	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/31/25 09:24	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			01/31/25 09:24	1
Iodomethane	<10.0		10.0	7.00	ug/L			01/31/25 09:24	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/31/25 09:24	1
Styrene	<1.00		1.00	0.370	ug/L			01/31/25 09:24	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/31/25 09:24	1
Toluene	<1.00		1.00	0.430	ug/L			01/31/25 09:24	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			01/31/25 09:24	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			01/31/25 09:24	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			01/31/25 09:24	1
Trichloroethene	<1.00		1.00	0.430	ug/L			01/31/25 09:24	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			01/31/25 09:24	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			01/31/25 09:24	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			01/31/25 09:24	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			01/31/25 09:24	1

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

Lab Sample ID: MB 310-445871/5
Matrix: Water
Analysis Batch: 445871

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*112*		*73 - 130*		*01/31/25 09:24*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*01/31/25 09:24*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*01/31/25 09:24*	*1*

Lab Sample ID: LCS 310-445871/6
Matrix: Water
Analysis Batch: 445871

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	18.40		ug/L		92	71 - 120
1,1,1-Trichloroethane	20.0	22.71		ug/L		114	73 - 129
1,1,2,2-Tetrachloroethane	20.0	17.33		ug/L		87	68 - 124
1,1,2-Trichloroethane	20.0	17.01		ug/L		85	73 - 123
1,1-Dichloroethane	20.0	21.27		ug/L		106	70 - 127
1,1-Dichloroethene	20.0	21.68		ug/L		108	63 - 132
1,2,3-Trichloropropane	20.0	17.64		ug/L		88	65 - 127
1,2-Dibromo-3-chloropropane	20.0	18.46		ug/L		92	50 - 150
1,2-Dibromoethane (EDB)	20.0	17.87		ug/L		89	75 - 125
1,2-Dichlorobenzene	20.0	17.57		ug/L		88	74 - 120
1,2-Dichloroethane	20.0	21.77		ug/L		109	71 - 125
1,2-Dichloropropane	20.0	19.24		ug/L		96	73 - 124
1,4-Dichlorobenzene	20.0	17.73		ug/L		89	72 - 120
2-Butanone (MEK)	40.0	38.03		ug/L		95	50 - 150
2-Hexanone	40.0	34.51		ug/L		86	60 - 140
4-Methyl-2-pentanone (MIBK)	40.0	34.89		ug/L		87	60 - 139
Acetone	40.0	35.93		ug/L		90	50 - 150
Acrylonitrile	200	194.3		ug/L		97	50 - 150
Benzene	20.0	21.28		ug/L		106	72 - 124
Bromochloromethane	20.0	23.49		ug/L		117	73 - 130
Bromodichloromethane	20.0	20.46		ug/L		102	74 - 122
Bromoform	20.0	17.45		ug/L		87	61 - 122
Carbon disulfide	20.0	22.68		ug/L		113	59 - 135
Carbon tetrachloride	20.0	23.44		ug/L		117	67 - 132
Chlorobenzene	20.0	18.43		ug/L		92	76 - 120
Chlorodibromomethane	20.0	17.64		ug/L		88	71 - 121
Chloroform	20.0	20.52		ug/L		103	72 - 125
cis-1,2-Dichloroethene	20.0	20.91		ug/L		105	74 - 123
cis-1,3-Dichloropropene	20.0	17.89		ug/L		89	71 - 125
Dibromomethane	20.0	20.47		ug/L		102	74 - 125
Ethylbenzene	20.0	18.62		ug/L		93	74 - 122
Iodomethane	20.0	20.50		ug/L		102	10 - 150
Methylene chloride	20.0	21.07		ug/L		105	50 - 150
Styrene	20.0	18.66		ug/L		93	74 - 121
Tetrachloroethene	20.0	19.82		ug/L		99	71 - 130
Toluene	20.0	18.41		ug/L		92	74 - 123
trans-1,2-Dichloroethene	20.0	20.89		ug/L		104	70 - 126
trans-1,3-Dichloropropene	20.0	21.36		ug/L		107	69 - 123
trans-1,4-Dichloro-2-butene	20.0	20.70		ug/L		103	50 - 150

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

Lab Sample ID: LCS 310-445871/6
Matrix: Water
Analysis Batch: 445871

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	20.45		ug/L		102	72 - 126		
Vinyl acetate			40.0	40.41		ug/L		101	50 - 150		
Xylenes, Total			40.0	37.47		ug/L		94	73 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*110*		*73 - 130*
Toluene-d8 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*

Lab Sample ID: LCS 310-445871/7
Matrix: Water
Analysis Batch: 445871

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	17.11		ug/L		86	23 - 150		
Chloroethane			20.0	17.00		ug/L		85	54 - 136		
Chloromethane			20.0	14.73		ug/L		74	38 - 150		
Trichlorofluoromethane			20.0	18.19		ug/L		91	54 - 149		
Vinyl chloride			20.0	15.62		ug/L		78	56 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*112*		*73 - 130*
Toluene-d8 (Surr)	*93*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: 310-299550-2 MS
Matrix: Water
Analysis Batch: 445871

Client Sample ID: UD-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane	<1.00		25.0	23.40		ug/L		94	55 - 130		
1,1,1-Trichloroethane	<1.00		25.0	23.83		ug/L		95	52 - 130		
1,1,2,2-Tetrachloroethane	<1.00		25.0	22.82		ug/L		91	54 - 130		
1,1,2-Trichloroethane	<1.00		25.0	22.10		ug/L		88	58 - 130		
1,1-Dichloroethane	<1.00		25.0	22.13		ug/L		89	49 - 130		
1,1-Dichloroethene	<2.00		25.0	22.06		ug/L		88	37 - 132		
1,2,3-Trichloropropane	<1.00		25.0	22.86		ug/L		91	49 - 130		
1,2-Dibromo-3-chloropropane	<5.00		25.0	22.75		ug/L		91	38 - 150		
1,2-Dibromoethane (EDB)	<1.00		25.0	22.48		ug/L		90	60 - 130		
1,2-Dichlorobenzene	<1.00		25.0	22.61		ug/L		90	59 - 130		
1,2-Dichloroethane	<1.00		25.0	26.37		ug/L		105	51 - 130		
1,2-Dichloropropane	<1.00		25.0	23.70		ug/L		95	57 - 130		
1,4-Dichlorobenzene	<1.00		25.0	22.36		ug/L		89	57 - 130		
2-Butanone (MEK)	<10.0		50.0	46.40		ug/L		93	38 - 150		
2-Hexanone	<10.0		50.0	43.13		ug/L		86	46 - 140		
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	45.17		ug/L		90	47 - 139		
Acetone	3.14	J	50.0	42.96		ug/L		80	31 - 150		
Acrylonitrile	<5.00		250	229.1		ug/L		92	40 - 150		

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

Lab Sample ID: 310-299550-2 MS
Matrix: Water
Analysis Batch: 445871

Client Sample ID: UD-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.500		25.0	24.55		ug/L		98	46 - 130
Bromochloromethane	<5.00		25.0	27.25		ug/L		109	57 - 130
Bromodichloromethane	<1.00		25.0	25.94		ug/L		104	57 - 130
Bromoform	<5.00		25.0	22.52		ug/L		90	44 - 130
Carbon disulfide	<1.00		25.0	23.34		ug/L		93	38 - 135
Carbon tetrachloride	<2.00		25.0	24.47		ug/L		98	45 - 132
Chlorobenzene	<1.00		25.0	22.78		ug/L		91	59 - 130
Chlorodibromomethane	<5.00		25.0	22.79		ug/L		91	54 - 130
Chloroform	<3.00		25.0	24.63		ug/L		99	51 - 130
cis-1,2-Dichloroethene	<1.00		25.0	24.01		ug/L		96	45 - 130
cis-1,3-Dichloropropene	<5.00		25.0	21.48		ug/L		86	53 - 130
Dibromomethane	<1.00		25.0	25.33		ug/L		101	59 - 130
Ethylbenzene	<1.00		25.0	22.13		ug/L		89	45 - 130
Iodomethane	<10.0		25.0	21.67		ug/L		87	10 - 150
Methylene chloride	<5.00		25.0	22.63		ug/L		91	37 - 150
Styrene	<1.00		25.0	23.72		ug/L		95	47 - 130
Tetrachloroethene	<1.00		25.0	21.44		ug/L		86	47 - 130
Toluene	17.0		25.0	37.11		ug/L		80	51 - 130
trans-1,2-Dichloroethene	<1.00		25.0	22.42		ug/L		90	48 - 130
trans-1,3-Dichloropropene	<5.00		25.0	26.32		ug/L		105	50 - 130
trans-1,4-Dichloro-2-butene	<10.0		25.0	21.80		ug/L		87	26 - 150
Trichloroethene	<1.00		25.0	23.27		ug/L		93	51 - 130
Vinyl acetate	<10.0		50.0	43.73		ug/L		87	29 - 150
Xylenes, Total	<3.00		50.0	45.08		ug/L		90	43 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*109*		*73 - 130*
Toluene-d8 (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*

Lab Sample ID: 310-299550-2 MSD
Matrix: Water
Analysis Batch: 445871

Client Sample ID: UD-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<1.00		25.0	23.70		ug/L		95	55 - 130	1	20
1,1,1-Trichloroethane	<1.00		25.0	24.16		ug/L		97	52 - 130	1	20
1,1,2,2-Tetrachloroethane	<1.00		25.0	22.80		ug/L		91	54 - 130	0	20
1,1,2-Trichloroethane	<1.00		25.0	21.81		ug/L		87	58 - 130	1	20
1,1-Dichloroethane	<1.00		25.0	23.87		ug/L		95	49 - 130	8	20
1,1-Dichloroethene	<2.00		25.0	23.15		ug/L		93	37 - 132	5	26
1,2,3-Trichloropropane	<1.00		25.0	23.29		ug/L		93	49 - 130	2	26
1,2-Dibromo-3-chloropropane	<5.00		25.0	22.94		ug/L		92	38 - 150	1	20
1,2-Dibromoethane (EDB)	<1.00		25.0	22.32		ug/L		89	60 - 130	1	20
1,2-Dichlorobenzene	<1.00		25.0	22.95		ug/L		92	59 - 130	2	20
1,2-Dichloroethane	<1.00		25.0	26.22		ug/L		105	51 - 130	1	20
1,2-Dichloropropane	<1.00		25.0	23.72		ug/L		95	57 - 130	0	20
1,4-Dichlorobenzene	<1.00		25.0	22.69		ug/L		91	57 - 130	1	20

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

Lab Sample ID: 310-299550-2 MSD
Matrix: Water
Analysis Batch: 445871

Client Sample ID: UD-4
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	46.21		ug/L		92	38 - 150	0	20
2-Hexanone	<10.0		50.0	43.61		ug/L		87	46 - 140	1	20
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	44.28		ug/L		89	47 - 139	2	20
Acetone	3.14	J	50.0	46.46		ug/L		87	31 - 150	8	29
Acrylonitrile	<5.00		250	233.1		ug/L		93	40 - 150	2	20
Benzene	<0.500		25.0	24.37		ug/L		97	46 - 130	1	20
Bromochloromethane	<5.00		25.0	27.39		ug/L		110	57 - 130	1	20
Bromodichloromethane	<1.00		25.0	26.11		ug/L		104	57 - 130	1	20
Bromoform	<5.00		25.0	22.77		ug/L		91	44 - 130	1	20
Carbon disulfide	<1.00		25.0	23.48		ug/L		94	38 - 135	1	30
Carbon tetrachloride	<2.00		25.0	25.17		ug/L		101	45 - 132	3	20
Chlorobenzene	<1.00		25.0	22.77		ug/L		91	59 - 130	0	20
Chlorodibromomethane	<5.00		25.0	23.00		ug/L		92	54 - 130	1	20
Chloroform	<3.00		25.0	24.39		ug/L		98	51 - 130	1	20
cis-1,2-Dichloroethene	<1.00		25.0	24.10		ug/L		96	45 - 130	0	20
cis-1,3-Dichloropropene	<5.00		25.0	21.58		ug/L		86	53 - 130	0	20
Dibromomethane	<1.00		25.0	25.19		ug/L		101	59 - 130	1	20
Ethylbenzene	<1.00		25.0	22.23		ug/L		89	45 - 130	0	20
Iodomethane	<10.0		25.0	24.82		ug/L		99	10 - 150	14	35
Methylene chloride	<5.00		25.0	24.27		ug/L		97	37 - 150	7	24
Styrene	<1.00		25.0	23.89		ug/L		96	47 - 130	1	20
Tetrachloroethene	<1.00		25.0	21.56		ug/L		86	47 - 130	1	20
Toluene	17.0		25.0	36.74		ug/L		79	51 - 130	1	20
trans-1,2-Dichloroethene	<1.00		25.0	22.84		ug/L		91	48 - 130	2	22
trans-1,3-Dichloropropene	<5.00		25.0	27.11		ug/L		108	50 - 130	3	20
trans-1,4-Dichloro-2-butene	<10.0		25.0	24.85		ug/L		99	26 - 150	13	23
Trichloroethene	<1.00		25.0	23.30		ug/L		93	51 - 130	0	20
Vinyl acetate	<10.0		50.0	45.18		ug/L		90	29 - 150	3	23
Xylenes, Total	<3.00		50.0	45.44		ug/L		91	43 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*109*		*73 - 130*
Toluene-d8 (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-445978/1-A
Matrix: Water
Analysis Batch: 446188

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445978

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.000500		0.000500	0.000260	mg/L		02/03/25 08:30	02/04/25 14:14	1

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

Lab Sample ID: LCS 310-445978/2-A
Matrix: Water
Analysis Batch: 446188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445978

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.200	0.2144		mg/L		107	80 - 120

Lab Sample ID: MB 310-446363/1-A
Matrix: Water
Analysis Batch: 446659

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446363

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		02/07/25 09:00	02/10/25 12:57	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		02/07/25 09:00	02/10/25 12:57	1
Barium	<0.00200		0.00200	0.000660	mg/L		02/07/25 09:00	02/10/25 12:57	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		02/07/25 09:00	02/10/25 12:57	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		02/07/25 09:00	02/10/25 12:57	1
Chromium	<0.00500		0.00500	0.00120	mg/L		02/07/25 09:00	02/10/25 12:57	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		02/07/25 09:00	02/10/25 12:57	1
Copper	<0.00500		0.00500	0.00180	mg/L		02/07/25 09:00	02/10/25 12:57	1
Lead	<0.000500		0.000500	0.000260	mg/L		02/07/25 09:00	02/10/25 12:57	1
Nickel	<0.00500		0.00500	0.00210	mg/L		02/07/25 09:00	02/10/25 12:57	1
Selenium	<0.00500		0.00500	0.00140	mg/L		02/07/25 09:00	02/10/25 12:57	1
Silver	<0.00100		0.00100	0.000500	mg/L		02/07/25 09:00	02/10/25 12:57	1
Thallium	<0.00100		0.00100	0.000570	mg/L		02/07/25 09:00	02/10/25 12:57	1
Vanadium	<0.00500		0.00500	0.00110	mg/L		02/07/25 09:00	02/10/25 12:57	1
Zinc	<0.0200		0.0200	0.00970	mg/L		02/07/25 09:00	02/10/25 12:57	1

Lab Sample ID: LCS 310-446363/2-A
Matrix: Water
Analysis Batch: 446659

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446363

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2199		mg/L		110	80 - 120
Arsenic	0.200	0.2095		mg/L		105	80 - 120
Barium	0.100	0.1055		mg/L		105	80 - 120
Beryllium	0.100	0.09916		mg/L		99	80 - 120
Cadmium	0.100	0.09983		mg/L		100	80 - 120
Chromium	0.100	0.09608		mg/L		96	80 - 120
Cobalt	0.100	0.1016		mg/L		102	80 - 120
Copper	0.200	0.2029		mg/L		101	80 - 120
Lead	0.200	0.2081		mg/L		104	80 - 120
Nickel	0.200	0.2007		mg/L		100	80 - 120
Selenium	0.400	0.3947		mg/L		99	80 - 120
Silver	0.100	0.1107		mg/L		111	80 - 120
Thallium	0.100	0.08845		mg/L		88	80 - 120
Vanadium	0.100	0.1003		mg/L		100	80 - 120
Zinc	0.200	0.1980		mg/L		99	80 - 120

Client: SCS Engineers
Job ID: 310-299550-1
Project/Site: Scott Area Landfill - Winter 2025 Retest

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

Lab Sample ID: MB 310-445949/1
Matrix: Water
Analysis Batch: 445949

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	<5.00		5.00	3.70	mg/L			01/31/25 23:52	1

Lab Sample ID: LCS 310-445949/2
Matrix: Water
Analysis Batch: 445949

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	112.0		mg/L		112	81 - 116

QC Association Summary

Client: SCS Engineers
Job ID: 310-299550-1
Project/Site: Scott Area Landfill - Winter 2025 Retest

GC/MS VOA

Analysis Batch: 445871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-299550-2	UD-4	Total/NA	Water	8260D	
310-299550-3	Trip Blank	Total/NA	Water	8260D	
MB 310-445871/5	Method Blank	Total/NA	Water	8260D	
LCS 310-445871/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-445871/7	Lab Control Sample	Total/NA	Water	8260D	
310-299550-2 MS	UD-4	Total/NA	Water	8260D	
310-299550-2 MSD	UD-4	Total/NA	Water	8260D	

Metals

Prep Batch: 445978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-299550-1	MW-41	Total/NA	Water	3005A	
MB 310-445978/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-445978/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 446188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-299550-1	MW-41	Total/NA	Water	6020B	445978
MB 310-445978/1-A	Method Blank	Total/NA	Water	6020B	445978
LCS 310-445978/2-A	Lab Control Sample	Total/NA	Water	6020B	445978

Prep Batch: 446363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-299550-2	UD-4	Total/NA	Water	3005A	
MB 310-446363/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-446363/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 446659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-299550-2	UD-4	Total/NA	Water	6020B	446363
MB 310-446363/1-A	Method Blank	Total/NA	Water	6020B	446363
LCS 310-446363/2-A	Lab Control Sample	Total/NA	Water	6020B	446363

General Chemistry

Analysis Batch: 445949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-299550-1	MW-41	Total/NA	Water	I-3765-85	
310-299550-2	UD-4	Total/NA	Water	I-3765-85	
MB 310-445949/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-445949/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Lab Chronicle

Client: SCS Engineers
Job ID: 310-299550-1
Project/Site: Scott Area Landfill - Winter 2025 Retest

Client Sample ID: MW-41
Lab Sample ID: 310-299550-1
Date Collected: 01/29/25 14:25
Matrix: Water
Date Received: 01/30/25 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			445978	F5MW	EET CF	02/03/25 08:30
Total/NA	Analysis	6020B		1	446188	NFT2	EET CF	02/04/25 15:31
Total/NA	Analysis	I-3765-85		1	445949	MDU9	EET CF	01/31/25 23:52

Client Sample ID: UD-4
Lab Sample ID: 310-299550-2
Date Collected: 01/29/25 13:40
Matrix: Water
Date Received: 01/30/25 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	445871	FE5V	EET CF	01/31/25 15:51
Total/NA	Prep	3005A			446363	F5MW	EET CF	02/07/25 09:00
Total/NA	Analysis	6020B		1	446659	NFT2	EET CF	02/10/25 13:25
Total/NA	Analysis	I-3765-85		1	445949	MDU9	EET CF	01/31/25 23:52

Client Sample ID: Trip Blank
Lab Sample ID: 310-299550-3
Date Collected: 01/29/25 00:00
Matrix: Water
Date Received: 01/30/25 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	445871	FE5V	EET CF	01/31/25 10:55

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: 310-299550-1
Project/Site: Scott Area Landfill - Winter 2025 Retest

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

Method Summary

Client: SCS Engineers
Job ID: 310-299550-1
Project/Site: Scott Area Landfill - Winter 2025 Retest

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

eurofins | Environment Testing America

310-299550 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: SCS

City/State: CITY West Des Moines STATE IA | Project:

Receipt Information

Date/Time Received: DATE 1-30-25 TIME 625 | Received By: PH

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? ↓

All

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 0.1 | Corrected Temp (°C): 0.3

• **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 50613-6907
phone 319 277 2401 fax 319 277 2425

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Ohrt	Site Contact: Brian Seals	Date:	COC No
Nathan Ohrt	Email nohrt@scsengineers com	Lab Contact: Sam Miller	Carrier:	1 of 1 COCs
SCS Engineers	Cell 319-331-9613			Sampler
1690 All State Court, Suite 100	Analysis Turnaround Time			For Lab Use Only:
West Des Moines, Iowa 50625	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client.
	Other:			Lab Sampling
Project Name Winter 2025 Retest	☐ 2 weeks			
Site. Scott Area Landfill	☐ 1 week			Job / SDG No
P O # 27224523 25	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Lead	Total Suspended Solids	Appendix I	Sample Specific Notes.
MW-41	1/29 25	4 25	G	GW		X	X	X	X		
UD-4	1/29 25	3 +0	G	GW		X	X		X	X	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____
Relinquished by:	Company: SCS Engineers	Date/Time: 1/30/25	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time	Received by:	Company	Date/Time
Relinquished by:	Company:	Date/Time.	Received in Laboratory by: PH	Company:	Date/Time. 1-30-25 1625

Form No. CA-C-WI-002, Rev. 4.23, dated 4/16/2019

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-299550-1
SDG Number:

Login Number: 299550
List Number: 1
Creator: Cappi, Sage

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/11/2025 11:18:25 PM

JOB DESCRIPTION

Scott Area Landfill - toluene tests
Iowa

JOB NUMBER

310-301590-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

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



Generated
3/11/2025 11:18:25 PM

Authorized for release by
Samuel Miller, Project Management Assistant I
Samuel.Miller@et.eurofinsus.com
(319)277-2401

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 5
Detection Summary 6
Client Sample Results 7
Definitions 11
Surrogate Summary 12
QC Sample Results 13
QC Association 14
Chronicle 15
Certification Summary 16
Method Summary 17
Chain of Custody 18
Receipt Checklists 20

Job ID: 310-301590-1 Eurofins Cedar Falls

Job Narrative
310-301590-1

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 3/7/2025 8:30 AM. 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 1.9°C.

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

Sample Summary

Client: SCS Engineers
Project/Site: Scott Area Landfill - toluene tests

Job ID: 310-301590-1
SDG: Iowa

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-301590-1	UD-4	Water	03/06/25 10:00	03/07/25 08:30
310-301590-2	1st Sediment Pond	Water	03/06/25 10:00	03/07/25 08:30
310-301590-3	2nd Sediment Pond	Water	03/06/25 10:00	03/07/25 08:30
310-301590-4	Trip Blank	Water	03/06/25 00:00	03/07/25 08:30

Detection Summary

Client: SCS Engineers
Project/Site: Scott Area Landfill - toluene tests

Job ID: 310-301590-1
SDG: Iowa

Client Sample ID: UD-4 — Lab Sample ID: 310-301590-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.647	J	1.00	0.430	ug/L	1		8260D	Total/NA

Client Sample ID: 1st Sediment Pond — Lab Sample ID: 310-301590-2

No Detections.

Client Sample ID: 2nd Sediment Pond — Lab Sample ID: 310-301590-3

No Detections.

Client Sample ID: Trip Blank — Lab Sample ID: 310-301590-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: SCS Engineers
Project/Site: Scott Area Landfill - toluene tests

Job ID: 310-301590-1
SDG: Iowa

Client Sample ID: UD-4
Date Collected: 03/06/25 10:00
Date Received: 03/07/25 08:30

Lab Sample ID: 310-301590-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.647	J	1.00	0.430	ug/L			03/11/25 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*03/11/25 06:03*	*1*
Dibromofluoromethane (Surr)	*104*		*73 - 130*		*03/11/25 06:03*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/11/25 06:03*	*1*

Client: SCS Engineers
Project/Site: Scott Area Landfill - toluene tests

Job ID: 310-301590-1
SDG: Iowa

Client Sample ID: 1st Sediment Pond
Date Collected: 03/06/25 10:00
Date Received: 03/07/25 08:30

Lab Sample ID: 310-301590-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<1.00		1.00	0.430	ug/L			03/11/25 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*03/11/25 06:26*	*1*
Dibromofluoromethane (Surr)	*104*		*73 - 130*		*03/11/25 06:26*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/11/25 06:26*	*1*

Client: SCS Engineers
Project/Site: Scott Area Landfill - toluene tests

Job ID: 310-301590-1
SDG: Iowa

Client Sample ID: 2nd Sediment Pond
Date Collected: 03/06/25 10:00
Date Received: 03/07/25 08:30

Lab Sample ID: 310-301590-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<1.00		1.00	0.430	ug/L			03/11/25 06:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*03/11/25 06:49*	*1*
Dibromofluoromethane (Surr)	*105*		*73 - 130*		*03/11/25 06:49*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/11/25 06:49*	*1*

Client: SCS Engineers
Project/Site: Scott Area Landfill - toluene tests

Job ID: 310-301590-1
SDG: Iowa

Client Sample ID: Trip Blank
Date Collected: 03/06/25 00:00
Date Received: 03/07/25 08:30

Lab Sample ID: 310-301590-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<1.00		1.00	0.430	ug/L			03/11/25 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*03/11/25 00:44*	*1*
Dibromofluoromethane (Surr)	*105*		*73 - 130*		*03/11/25 00:44*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/11/25 00:44*	*1*

Definitions/Glossary

Client: SCS Engineers
Project/Site: Scott Area Landfill - toluene tests

Job ID: 310-301590-1
SDG: Iowa

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: Scott Area Landfill - toluene tests

Job ID: 310-301590-1
SDG: Iowa

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
		BFB	DBFM	TOL						
Lab Sample ID	Client Sample ID	(80-120)	(73-130)	(80-120)						
310-301590-1	UD-4	101	104	95						
310-301590-1 MS	UD-4	98	104	96						
310-301590-1 MSD	UD-4	97	105	96						
310-301590-2	1st Sediment Pond	100	104	96						
310-301590-3	2nd Sediment Pond	98	105	95						
310-301590-4	Trip Blank	102	105	94						
LCS 310-448490/6	Lab Control Sample	98	106	97						
MB 310-448490/5	Method Blank	99	105	96						

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 310-448490/5
Matrix: Water
Analysis Batch: 448490

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<1.00		1.00	0.430	ug/L			03/10/25 23:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*03/10/25 23:13*	*1*
Dibromofluoromethane (Surr)	*105*		*73 - 130*		*03/10/25 23:13*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/10/25 23:13*	*1*

Lab Sample ID: LCS 310-448490/6
Matrix: Water
Analysis Batch: 448490

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Toluene			20.0	22.19		ug/L		111	74 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*73 - 130*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 310-301590-1 MS
Matrix: Water
Analysis Batch: 448490

Client Sample ID: UD-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Toluene	0.647	J	20.0	20.19		ug/L		98	51 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*73 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 310-301590-1 MSD
Matrix: Water
Analysis Batch: 448490

Client Sample ID: UD-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.647	J	20.0	19.79		ug/L		96	51 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*73 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*

QC Association Summary

Client: SCS Engineers
Project/Site: Scott Area Landfill - toluene tests

Job ID: 310-301590-1
SDG: Iowa

GC/MS VOA

Analysis Batch: 448490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301590-1	UD-4	Total/NA	Water	8260D	
310-301590-2	1st Sediment Pond	Total/NA	Water	8260D	
310-301590-3	2nd Sediment Pond	Total/NA	Water	8260D	
310-301590-4	Trip Blank	Total/NA	Water	8260D	
MB 310-448490/5	Method Blank	Total/NA	Water	8260D	
LCS 310-448490/6	Lab Control Sample	Total/NA	Water	8260D	
310-301590-1 MS	UD-4	Total/NA	Water	8260D	
310-301590-1 MSD	UD-4	Total/NA	Water	8260D	

Lab Chronicle

Client: SCS Engineers
Job ID: 310-301590-1
Project/Site: Scott Area Landfill - toluene tests
SDG: Iowa

Client Sample ID: UD-4
Lab Sample ID: 310-301590-1
Date Collected: 03/06/25 10:00
Matrix: Water
Date Received: 03/07/25 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	448490	FE5V	EET CF	03/11/25 06:03

Client Sample ID: 1st Sediment Pond
Lab Sample ID: 310-301590-2
Date Collected: 03/06/25 10:00
Matrix: Water
Date Received: 03/07/25 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	448490	FE5V	EET CF	03/11/25 06:26

Client Sample ID: 2nd Sediment Pond
Lab Sample ID: 310-301590-3
Date Collected: 03/06/25 10:00
Matrix: Water
Date Received: 03/07/25 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	448490	FE5V	EET CF	03/11/25 06:49

Client Sample ID: Trip Blank
Lab Sample ID: 310-301590-4
Date Collected: 03/06/25 00:00
Matrix: Water
Date Received: 03/07/25 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	448490	FE5V	EET CF	03/11/25 00:44

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: 310-301590-1
Project/Site: Scott Area Landfill - toluene tests
SDG: Iowa

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

Method Summary

Client: SCS Engineers
Job ID: 310-301590-1
Project/Site: Scott Area Landfill - toluene tests
SDG: Iowa

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	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.

Laboratory References:

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

eurofins | Environment Testing America

310-301590 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: SCS

City/State: CITY W. Des Moines STATE IA Project:

Receipt Information

Date/Time Received: DATE 3.7.25 TIME 830 Received By: PH

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? ↓

All

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: P Correction Factor (°C): 0

• **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 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):	1.9	
Corrected Temp (°C):	1.9	

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 Cedar Falls
3019 Venture Way
Cedar Falls IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

Eurofins Davenport SC 212

eurofins

Client Information	Sampler	Lab PM.	Carrier Tracking No(s)	COC No:
Client Contact: Nathan Ohrt	Phone	Miller Samuel E-Mail: Samuel.Miller@et.eurofinsus.com	State of Origin:	310-103877-27700 1
Company: SCS Engineers	PWSID:			Page: Page 1 of 1
Address: 1690 All State Court Suite 100	Due Date Requested:			Job #:
City: West Des Moines	TAT Requested (days):			
State, Zip: IA, 50265	Compliance Project: Δ Yes Δ No			
Phone: 319-331-9613(Tel)	PO #: Purchase Order not required			
Email: nohrt@scsengineers.com	WO #:			
Project Name: Scott Area Landfill - toluene tests	Project #: 31002767			
Site: Iowa	SSOW#:			

Analysis Requested

Preservation Codes.
A HCL
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - Toluene	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	A	X	
UD-4	3-6-25	10 00 Am		Water			X	3	
1st Sediment Pond	3 6 25	10 00 AM		Water			X	3	
2nd Sediment Pond	3-6-25	10 Am		Water			X	3	
Trip Blank				Water			X	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested. I II III IV Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time.	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Casey Ruff Matt	3-6-25 1100 AM	Scott Area Landfill		3/6/25 1100	ET
Relinquished by: Casey Ruff Matt	3/6/25 1500	ET	CGL	3.7.25 0830	EUROFINS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time.	Company

Custody Seals Intact: | Custody Seal No

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-301590-1
SDG Number: Iowa

Login Number: 301590
List Number: 1
Creator: Collins, Charlotte G

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/18/2025 3:34:40 PM

JOB DESCRIPTION

SCL 1st 205 HMSP, Geochemistry, & NA
Scott Area Landfill

JOB NUMBER

310-308064-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

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



Generated
6/18/2025 3:34:40 PM

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

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 5
Detection Summary 6
Client Sample Results 7
Definitions 13
Surrogate Summary 14
QC Sample Results 15
QC Association 21
Chronicle 23
Certification Summary 24
Method Summary 25
Chain of Custody 26
Receipt Checklists 28

Job ID: 310-308064-1 Eurofins Cedar Falls

Job Narrative
310-308064-1

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 6/6/2025 8:20 AM. 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 1.4°C.

GC/MS VOA
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.

Sample Summary

Client: SCS Engineers
Project/Site: SCL 1st 205 HMSP, Geochemistry, & NA

Job ID: 310-308064-1
SDG: Scott Area Landfill

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-308064-1	MW-107	Ground Water	06/04/25 15:01	06/06/25 08:20
310-308064-2	MW-114	Ground Water	06/04/25 15:50	06/06/25 08:20
310-308064-3	Trip Blank	Water	06/04/25 00:00	06/06/25 08:20

Detection Summary

Client: SCS Engineers
Project/Site: SCL 1st 205 HMSP, Geochemistry, & NA

Job ID: 310-308064-1
SDG: Scott Area Landfill

Client Sample ID: MW-107 — Lab Sample ID: 310-308064-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acrylonitrile	7.35		5.00	2.20	ug/L	1		8260D	Total/NA
Chloride	0.756	J	1.00	0.450	mg/L	1		9056A	Total/NA
Sulfate	0.644	J	1.00	0.420	mg/L	1		9056A	Total/NA
Arsenic	0.000632	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.175		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000267	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Sodium	27.0		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	2.88		0.500	0.170	mg/L	1		6020B	Total/NA
Calcium	78.4		0.500	0.190	mg/L	1		6020B	Total/NA
Iron	0.426		0.100	0.0500	mg/L	1		6020B	Total/NA
Magnesium	31.3		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	0.290		0.0100	0.00360	mg/L	1		6020B	Total/NA
Ammonia as N	0.550		0.500	0.210	mg/L	1		350.1	Total/NA
Total Suspended Solids	2.38		1.88	1.31	mg/L	1		I-3765-85	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	398		5.00	2.50	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	398		5.00	2.50	mg/L	1		SM 2320B	Total/NA
Total Organic Carbon	2.70		1.00	0.500	mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-114 — Lab Sample ID: 310-308064-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	55.1		1.00	0.450	mg/L	1		9056A	Total/NA
Sulfate	23.1		1.00	0.420	mg/L	1		9056A	Total/NA
Barium	0.111		0.00200	0.000660	mg/L	1		6020B	Total/NA
Sodium	10.5		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	0.414	J	0.500	0.170	mg/L	1		6020B	Total/NA
Calcium	87.7		0.500	0.190	mg/L	1		6020B	Total/NA
Magnesium	47.3		0.500	0.150	mg/L	1		6020B	Total/NA
Nitrate as N	0.0819	J	0.100	0.0800	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	394		5.00	2.50	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	394		5.00	2.50	mg/L	1		SM 2320B	Total/NA
Total Organic Carbon	2.94		1.00	0.500	mg/L	1		SM 5310C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 310-308064-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-107
Date Collected: 06/04/25 15:01
Date Received: 06/06/25 08:20

Lab Sample ID: 310-308064-1
Matrix: Ground Water

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	0.380	ug/L			06/10/25 12:38	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 12:38	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 12:38	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 12:38	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 12:38	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 12:38	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 12:38	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 12:38	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 12:38	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 12:38	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 12:38	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 12:38	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 12:38	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 12:38	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 12:38	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 12:38	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 12:38	1
Acrylonitrile	**7.35**		5.00	2.20	ug/L			06/10/25 12:38	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 12:38	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 12:38	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 12:38	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 12:38	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 12:38	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 12:38	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 12:38	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 12:38	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 12:38	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 12:38	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 12:38	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 12:38	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 12:38	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 12:38	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 12:38	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 12:38	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 12:38	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 12:38	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 12:38	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 12:38	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 12:38	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 12:38	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 12:38	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 12:38	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 12:38	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 12:38	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 12:38	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 12:38	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*76 - 130*		*06/10/25 12:38*	*1*

Client Sample ID: MW-107

Date Collected: 06/04/25 15:01
Date Received: 06/06/25 08:20

Lab Sample ID: 310-308064-1

Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/10/25 12:38*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/10/25 12:38*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.756**	**J**	1.00	0.450	mg/L			06/10/25 14:00	1
Sulfate	**0.644**	**J**	1.00	0.420	mg/L			06/10/25 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		06/10/25 09:00	06/18/25 13:26	1
Arsenic	**0.000632**	**J**	0.00200	0.000530	mg/L		06/10/25 09:00	06/18/25 13:26	1
Barium	**0.175**		0.00200	0.000660	mg/L		06/10/25 09:00	06/18/25 13:26	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/10/25 09:00	06/18/25 13:26	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/10/25 09:00	06/18/25 13:26	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/10/25 09:00	06/18/25 13:26	1
Cobalt	**0.000267**	**J**	0.000500	0.000170	mg/L		06/10/25 09:00	06/18/25 13:26	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/10/25 09:00	06/18/25 13:26	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/10/25 09:00	06/18/25 13:26	1
Nickel	<0.00500		0.00500	0.00230	mg/L		06/10/25 09:00	06/18/25 13:26	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/10/25 09:00	06/18/25 13:26	1
Silver	<0.00100		0.00100	0.000500	mg/L		06/10/25 09:00	06/18/25 13:26	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/10/25 09:00	06/18/25 13:26	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/10/25 09:00	06/18/25 13:26	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/10/25 09:00	06/18/25 13:26	1
Sodium	**27.0**		1.00	0.650	mg/L		06/10/25 09:00	06/18/25 13:26	1
Potassium	**2.88**		0.500	0.170	mg/L		06/10/25 09:00	06/18/25 13:26	1
Calcium	**78.4**		0.500	0.190	mg/L		06/10/25 09:00	06/18/25 13:26	1
Iron	**0.426**		0.100	0.0500	mg/L		06/10/25 09:00	06/18/25 13:26	1
Magnesium	**31.3**		0.500	0.150	mg/L		06/10/25 09:00	06/18/25 13:26	1
Manganese	**0.290**		0.0100	0.00360	mg/L		06/10/25 09:00	06/18/25 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	**0.550**		0.500	0.210	mg/L		06/10/25 08:59	06/11/25 11:02	1
Nitrate as N (EPA 353.2)	<0.100		0.100	0.0800	mg/L			06/12/25 01:49	1
Total Suspended Solids (USGS I-3765-85)	**2.38**		1.88	1.31	mg/L			06/06/25 15:25	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B)	**398**		5.00	2.50	mg/L			06/09/25 16:11	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**398**		5.00	2.50	mg/L			06/09/25 16:11	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/09/25 16:11	1
Total Organic Carbon (SM 5310C)	**2.70**		1.00	0.500	mg/L			06/12/25 07:57	1

Client: SCS Engineers
Project/Site: SCL 1st 205 HMSP, Geochemistry, & NA

Job ID: 310-308064-1
SDG: Scott Area Landfill

Client Sample ID: MW-114
Date Collected: 06/04/25 15:50
Date Received: 06/06/25 08:20

Lab Sample ID: 310-308064-2
Matrix: Ground Water

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	0.380	ug/L			06/10/25 14:12	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 14:12	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 14:12	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 14:12	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 14:12	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 14:12	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 14:12	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 14:12	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 14:12	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 14:12	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 14:12	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 14:12	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 14:12	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 14:12	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 14:12	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 14:12	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 14:12	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 14:12	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 14:12	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 14:12	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 14:12	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 14:12	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 14:12	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 14:12	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 14:12	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 14:12	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 14:12	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 14:12	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 14:12	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 14:12	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 14:12	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 14:12	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 14:12	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 14:12	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 14:12	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 14:12	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 14:12	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 14:12	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 14:12	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 14:12	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 14:12	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 14:12	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 14:12	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 14:12	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 14:12	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 14:12	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*76 - 130*		*06/10/25 14:12*	*1*

Client Sample ID: MW-114

Date Collected: 06/04/25 15:50
Date Received: 06/06/25 08:20

Lab Sample ID: 310-308064-2

Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/10/25 14:12*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/10/25 14:12*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.1**		1.00	0.450	mg/L			06/10/25 14:12	1
Sulfate	**23.1**		1.00	0.420	mg/L			06/10/25 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		06/10/25 09:00	06/18/25 13:29	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		06/10/25 09:00	06/18/25 13:29	1
Barium	**0.111**		0.00200	0.000660	mg/L		06/10/25 09:00	06/18/25 13:29	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/10/25 09:00	06/18/25 13:29	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/10/25 09:00	06/18/25 13:29	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/10/25 09:00	06/18/25 13:29	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		06/10/25 09:00	06/18/25 13:29	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/10/25 09:00	06/18/25 13:29	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/10/25 09:00	06/18/25 13:29	1
Nickel	<0.00500		0.00500	0.00230	mg/L		06/10/25 09:00	06/18/25 13:29	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/10/25 09:00	06/18/25 13:29	1
Silver	<0.00100		0.00100	0.000500	mg/L		06/10/25 09:00	06/18/25 13:29	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/10/25 09:00	06/18/25 13:29	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/10/25 09:00	06/18/25 13:29	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/10/25 09:00	06/18/25 13:29	1
Sodium	**10.5**		1.00	0.650	mg/L		06/10/25 09:00	06/18/25 13:29	1
Potassium	**0.414**	**J**	0.500	0.170	mg/L		06/10/25 09:00	06/18/25 13:29	1
Calcium	**87.7**		0.500	0.190	mg/L		06/10/25 09:00	06/18/25 13:29	1
Iron	<0.100		0.100	0.0500	mg/L		06/10/25 09:00	06/18/25 13:29	1
Magnesium	**47.3**		0.500	0.150	mg/L		06/10/25 09:00	06/18/25 13:29	1
Manganese	<0.0100		0.0100	0.00360	mg/L		06/10/25 09:00	06/18/25 13:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	<0.500		0.500	0.210	mg/L		06/10/25 08:59	06/11/25 11:02	1
Nitrate as N (EPA 353.2)	**0.0819**	**J**	0.100	0.0800	mg/L			06/12/25 01:51	1
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			06/06/25 15:25	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B)	**394**		5.00	2.50	mg/L			06/09/25 16:21	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**394**		5.00	2.50	mg/L			06/09/25 16:21	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/09/25 16:21	1
Total Organic Carbon (SM 5310C)	**2.94**		1.00	0.500	mg/L			06/12/25 20:19	1

Client: SCS Engineers
Project/Site: SCL 1st 205 HMSP, Geochemistry, & NA

Job ID: 310-308064-1
SDG: Scott Area Landfill

Client Sample ID: Trip Blank
Date Collected: 06/04/25 00:00
Date Received: 06/06/25 08:20

Lab Sample ID: 310-308064-3
Matrix: Water

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	0.380	ug/L			06/10/25 10:00	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 10:00	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 10:00	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 10:00	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 10:00	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 10:00	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 10:00	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 10:00	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 10:00	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 10:00	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 10:00	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 10:00	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 10:00	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 10:00	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 10:00	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 10:00	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 10:00	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 10:00	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 10:00	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 10:00	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 10:00	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 10:00	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 10:00	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 10:00	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 10:00	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 10:00	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 10:00	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 10:00	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 10:00	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 10:00	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 10:00	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 10:00	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 10:00	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 10:00	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 10:00	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 10:00	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 10:00	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 10:00	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 10:00	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 10:00	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 10:00	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 10:00	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 10:00	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 10:00	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 10:00	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 10:00	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*76 - 130*		*06/10/25 10:00*	*1*

Client: SCS Engineers
Project/Site: SCL 1st 205 HMSP, Geochemistry, & NA

Job ID: 310-308064-1
SDG: Scott Area Landfill

Client Sample ID: Trip Blank
Date Collected: 06/04/25 00:00
Date Received: 06/06/25 08:20

Lab Sample ID: 310-308064-3
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*90*		*80 - 120*		*06/10/25 10:00*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/10/25 10:00*	*1*

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: SCL 1st 205 HMSP, Geochemistry, & NA

Job ID: 310-308064-1
SDG: Scott Area Landfill

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-308064-1	MW-107	112	92	100
310-308064-2	MW-114	114	91	104

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)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-308064-3	Trip Blank	111	90	103
LCS 310-456984/6	Lab Control Sample	101	101	101
LCS 310-456984/7	Lab Control Sample	114	92	101
MB 310-456984/5	Method Blank	111	92	104

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

Lab Sample ID: MB 310-456984/5
Matrix: Water
Analysis Batch: 456984

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	0.380	ug/L			06/10/25 08:52	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 08:52	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 08:52	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 08:52	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 08:52	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 08:52	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 08:52	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 08:52	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 08:52	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 08:52	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 08:52	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 08:52	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 08:52	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 08:52	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 08:52	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 08:52	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 08:52	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 08:52	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 08:52	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 08:52	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 08:52	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 08:52	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 08:52	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 08:52	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 08:52	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 08:52	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 08:52	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 08:52	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 08:52	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 08:52	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 08:52	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 08:52	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 08:52	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 08:52	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 08:52	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 08:52	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 08:52	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 08:52	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 08:52	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 08:52	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 08:52	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 08:52	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 08:52	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 08:52	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 08:52	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 08:52	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 08:52	1

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

Lab Sample ID: MB 310-456984/5
Matrix: Water
Analysis Batch: 456984

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*111*		*76 - 130*		*06/10/25 08:52*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/10/25 08:52*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/10/25 08:52*	*1*

Lab Sample ID: LCS 310-456984/6
Matrix: Water
Analysis Batch: 456984

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	18.84		ug/L		94	70 - 121
1,1,1-Trichloroethane	20.0	20.83		ug/L		104	69 - 130
1,1,2,2-Tetrachloroethane	20.0	19.04		ug/L		95	70 - 122
1,1,2-Trichloroethane	20.0	19.70		ug/L		99	75 - 121
1,1-Dichloroethane	20.0	20.07		ug/L		100	69 - 127
1,1-Dichloroethene	20.0	21.65		ug/L		108	64 - 134
1,2,3-Trichloropropane	20.0	19.15		ug/L		96	70 - 122
1,2-Dibromo-3-chloropropane	20.0	18.19		ug/L		91	62 - 132
1,2-Dibromoethane (EDB)	20.0	20.13		ug/L		101	74 - 122
1,2-Dichlorobenzene	20.0	19.61		ug/L		98	74 - 120
1,2-Dichloroethane	20.0	18.86		ug/L		94	68 - 125
1,2-Dichloropropane	20.0	21.23		ug/L		106	72 - 128
1,4-Dichlorobenzene	20.0	18.64		ug/L		93	72 - 120
2-Butanone (MEK)	40.0	37.94		ug/L		95	60 - 134
2-Hexanone	40.0	38.62		ug/L		97	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	38.51		ug/L		96	62 - 136
Acetone	40.0	43.85		ug/L		110	59 - 136
Acrylonitrile	200	209.5		ug/L		105	50 - 150
Benzene	20.0	20.53		ug/L		103	71 - 125
Bromochloromethane	20.0	21.89		ug/L		109	69 - 131
Bromodichloromethane	20.0	19.30		ug/L		97	70 - 122
Bromoform	20.0	17.39		ug/L		87	62 - 122
Carbon disulfide	20.0	20.90		ug/L		104	58 - 137
Carbon tetrachloride	20.0	21.13		ug/L		106	63 - 136
Chlorobenzene	20.0	19.74		ug/L		99	74 - 120
Chlorodibromomethane	20.0	16.97		ug/L		85	69 - 121
Chloroform	20.0	18.98		ug/L		95	72 - 122
cis-1,2-Dichloroethene	20.0	20.43		ug/L		102	72 - 123
cis-1,3-Dichloropropene	20.0	16.69		ug/L		83	72 - 123
Dibromomethane	20.0	19.79		ug/L		99	72 - 122
Ethylbenzene	20.0	20.22		ug/L		101	75 - 120
Iodomethane	20.0	17.38		ug/L		87	18 - 150
Methylene chloride	20.0	22.98		ug/L		115	72 - 128
Styrene	20.0	20.81		ug/L		104	74 - 122
Tetrachloroethene	20.0	20.85		ug/L		104	70 - 128
Toluene	20.0	20.43		ug/L		102	74 - 120
trans-1,2-Dichloroethene	20.0	21.02		ug/L		105	67 - 127
trans-1,3-Dichloropropene	20.0	15.74		ug/L		79	67 - 123
trans-1,4-Dichloro-2-butene	20.0	17.26		ug/L		86	50 - 150

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

Lab Sample ID: LCS 310-456984/6
Matrix: Water
Analysis Batch: 456984

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	20.35		ug/L		102	70 - 128
Vinyl acetate	40.0	33.54		ug/L		84	50 - 150
Xylenes, Total	40.0	40.84		ug/L		102	74 - 121

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

Lab Sample ID: LCS 310-456984/7
Matrix: Water
Analysis Batch: 456984

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	16.64		ug/L		83	33 - 138
Chloroethane	20.0	17.02		ug/L		85	59 - 139
Chloromethane	20.0	17.91		ug/L		90	52 - 146
Trichlorofluoromethane	20.0	16.90		ug/L		84	55 - 150
Vinyl chloride	20.0	17.52		ug/L		88	60 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*114*		*76 - 130*
Toluene-d8 (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-457209/3
Matrix: Water
Analysis Batch: 457209

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.00		1.00	0.450	mg/L			06/10/25 12:02	1
Sulfate	<1.00		1.00	0.420	mg/L			06/10/25 12:02	1

Lab Sample ID: LCS 310-457209/4
Matrix: Water
Analysis Batch: 457209

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.309		mg/L		93	90 - 110
Sulfate	10.0	9.662		mg/L		97	90 - 110

Lab Sample ID: MB 310-457798/3
Matrix: Water
Analysis Batch: 457798

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.00		1.00	0.450	mg/L			06/13/25 11:34	1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 310-457798/3
Matrix: Water
Analysis Batch: 457798

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	0.420	mg/L			06/13/25 11:34	1

Lab Sample ID: LCS 310-457798/4
Matrix: Water
Analysis Batch: 457798

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.688		mg/L		97	90 - 110
Sulfate	10.0	10.08		mg/L		101	90 - 110

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-457031/1-A
Matrix: Water
Analysis Batch: 458034

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 457031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		06/10/25 09:00	06/18/25 12:42	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		06/10/25 09:00	06/18/25 12:42	1
Barium	<0.00200		0.00200	0.000660	mg/L		06/10/25 09:00	06/18/25 12:42	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/10/25 09:00	06/18/25 12:42	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/10/25 09:00	06/18/25 12:42	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/10/25 09:00	06/18/25 12:42	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		06/10/25 09:00	06/18/25 12:42	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/10/25 09:00	06/18/25 12:42	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/10/25 09:00	06/18/25 12:42	1
Nickel	<0.00500		0.00500	0.00230	mg/L		06/10/25 09:00	06/18/25 12:42	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/10/25 09:00	06/18/25 12:42	1
Silver	<0.00100		0.00100	0.000500	mg/L		06/10/25 09:00	06/18/25 12:42	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/10/25 09:00	06/18/25 12:42	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/10/25 09:00	06/18/25 12:42	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/10/25 09:00	06/18/25 12:42	1
Sodium	<1.00		1.00	0.650	mg/L		06/10/25 09:00	06/18/25 12:42	1
Potassium	<0.500		0.500	0.170	mg/L		06/10/25 09:00	06/18/25 12:42	1
Calcium	<0.500		0.500	0.190	mg/L		06/10/25 09:00	06/18/25 12:42	1
Iron	<0.100		0.100	0.0500	mg/L		06/10/25 09:00	06/18/25 12:42	1
Magnesium	<0.500		0.500	0.150	mg/L		06/10/25 09:00	06/18/25 12:42	1
Manganese	<0.0100		0.0100	0.00360	mg/L		06/10/25 09:00	06/18/25 12:42	1

Lab Sample ID: LCS 310-457031/2-A
Matrix: Water
Analysis Batch: 458034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 457031

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2073		mg/L		104	80 - 120
Arsenic	0.200	0.1978		mg/L		99	80 - 120
Barium	0.100	0.09881		mg/L		99	80 - 120
Beryllium	0.100	0.09657		mg/L		97	80 - 120
Cadmium	0.100	0.09775		mg/L		98	80 - 120
Chromium	0.100	0.09874		mg/L		99	80 - 120

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

Lab Sample ID: LCS 310-457031/2-A
Matrix: Water
Analysis Batch: 458034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 457031

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.100	0.09825		mg/L		98	80 - 120
Copper	0.200	0.2001		mg/L		100	80 - 120
Lead	0.200	0.1926		mg/L		96	80 - 120
Nickel	0.200	0.1986		mg/L		99	80 - 120
Selenium	0.400	0.3810		mg/L		95	80 - 120
Silver	0.100	0.1170		mg/L		117	80 - 120
Thallium	0.100	0.09140		mg/L		91	80 - 120
Vanadium	0.100	0.09687		mg/L		97	80 - 120
Zinc	0.200	0.1899		mg/L		95	80 - 120
Sodium	2.00	2.044		mg/L		102	80 - 120
Potassium	2.00	1.860		mg/L		93	80 - 120
Calcium	2.00	1.876		mg/L		94	80 - 120
Iron	0.200	0.1939		mg/L		97	80 - 120
Magnesium	2.00	1.869		mg/L		93	80 - 120
Manganese	0.100	0.09355		mg/L		94	80 - 120

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 310-457076/1-A
Matrix: Water
Analysis Batch: 457284

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 457076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	<0.500		0.500	0.210	mg/L		06/10/25 08:59	06/11/25 10:47	1

Lab Sample ID: LCS 310-457076/2-A
Matrix: Water
Analysis Batch: 457284

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 457076

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	4.00	4.148		mg/L		104	90 - 110

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

Lab Sample ID: MB 310-456863/1
Matrix: Water
Analysis Batch: 456863

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	<5.00		5.00	3.50	mg/L			06/06/25 15:25	1

Lab Sample ID: LCS 310-456863/2
Matrix: Water
Analysis Batch: 456863

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	107.0		mg/L		107	82 - 117

Client: SCS Engineers
Project/Site: SCL 1st 205 HMSP, Geochemistry, & NA

Job ID: 310-308064-1
SDG: Scott Area Landfill

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 310-457045/25
Matrix: Water
Analysis Batch: 457045

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	1000	1029		mg/L		103	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 310-457425/10
Matrix: Water
Analysis Batch: 457425

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<1.00		1.00	0.500	mg/L			06/11/25 17:26	1

Lab Sample ID: LCS 310-457425/11
Matrix: Water
Analysis Batch: 457425

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	9.99	11.05		mg/L		111	85 - 115

Lab Sample ID: MB 310-457573/10
Matrix: Water
Analysis Batch: 457573

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<1.00		1.00	0.500	mg/L			06/12/25 17:54	1

Lab Sample ID: LCS 310-457573/11
Matrix: Water
Analysis Batch: 457573

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	9.99	10.67		mg/L		107	85 - 115

GC/MS VOA

Analysis Batch: 456984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308064-1	MW-107	Total/NA	Ground Water	8260D	
310-308064-2	MW-114	Total/NA	Ground Water	8260D	
310-308064-3	Trip Blank	Total/NA	Water	8260D	
MB 310-456984/5	Method Blank	Total/NA	Water	8260D	
LCS 310-456984/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-456984/7	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 457209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308064-1	MW-107	Total/NA	Ground Water	9056A	
310-308064-2	MW-114	Total/NA	Ground Water	9056A	
MB 310-457209/3	Method Blank	Total/NA	Water	9056A	
LCS 310-457209/4	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 457798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-457798/3	Method Blank	Total/NA	Water	9056A	
LCS 310-457798/4	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 457031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308064-1	MW-107	Total/NA	Ground Water	3005A	
310-308064-2	MW-114	Total/NA	Ground Water	3005A	
MB 310-457031/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-457031/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 458034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308064-1	MW-107	Total/NA	Ground Water	6020B	457031
310-308064-2	MW-114	Total/NA	Ground Water	6020B	457031
MB 310-457031/1-A	Method Blank	Total/NA	Water	6020B	457031
LCS 310-457031/2-A	Lab Control Sample	Total/NA	Water	6020B	457031

General Chemistry

Analysis Batch: 456863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308064-1	MW-107	Total/NA	Ground Water	I-3765-85	
310-308064-2	MW-114	Total/NA	Ground Water	I-3765-85	
MB 310-456863/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-456863/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 457045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308064-1	MW-107	Total/NA	Ground Water	SM 2320B	
310-308064-2	MW-114	Total/NA	Ground Water	SM 2320B	
LCS 310-457045/25	Lab Control Sample	Total/NA	Water	SM 2320B	

General Chemistry

Prep Batch: 457076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308064-1	MW-107	Total/NA	Ground Water	350.1	
310-308064-2	MW-114	Total/NA	Ground Water	350.1	
MB 310-457076/1-A	Method Blank	Total/NA	Water	350.1	
LCS 310-457076/2-A	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 457284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308064-1	MW-107	Total/NA	Ground Water	350.1	457076
310-308064-2	MW-114	Total/NA	Ground Water	350.1	457076
MB 310-457076/1-A	Method Blank	Total/NA	Water	350.1	457076
LCS 310-457076/2-A	Lab Control Sample	Total/NA	Water	350.1	457076

Analysis Batch: 457425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308064-1	MW-107	Total/NA	Ground Water	SM 5310C	
MB 310-457425/10	Method Blank	Total/NA	Water	SM 5310C	
LCS 310-457425/11	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 457573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308064-2	MW-114	Total/NA	Ground Water	SM 5310C	
MB 310-457573/10	Method Blank	Total/NA	Water	SM 5310C	
LCS 310-457573/11	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 457691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308064-1	MW-107	Total/NA	Ground Water	353.2	
310-308064-2	MW-114	Total/NA	Ground Water	353.2	

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 1st 205 HMSP, Geochemistry, & NA

Job ID: 310-308064-1
SDG: Scott Area Landfill

Client Sample ID: MW-107

Date Collected: 06/04/25 15:01
Date Received: 06/06/25 08:20

Lab Sample ID: 310-308064-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	456984	WSE8	EET CF	06/10/25 12:38
Total/NA	Analysis	9056A		1	457209	QTZ5	EET CF	06/10/25 14:00
Total/NA	Prep	3005A			457031	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		1	458034	NFT2	EET CF	06/18/25 13:26
Total/NA	Prep	350.1			457076	E6KR	EET CF	06/10/25 08:59
Total/NA	Analysis	350.1		1	457284	WZC8	EET CF	06/11/25 11:02
Total/NA	Analysis	353.2		1	457691	HE7K	EET CF	06/12/25 01:49
Total/NA	Analysis	I-3765-85		1	456863	E6KR	EET CF	06/06/25 15:25
Total/NA	Analysis	SM 2320B		1	457045	HE7K	EET CF	06/09/25 16:11
Total/NA	Analysis	SM 5310C		1	457425	HE7K	EET CF	06/12/25 07:57

Client Sample ID: MW-114

Date Collected: 06/04/25 15:50
Date Received: 06/06/25 08:20

Lab Sample ID: 310-308064-2

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	456984	WSE8	EET CF	06/10/25 14:12
Total/NA	Analysis	9056A		1	457209	QTZ5	EET CF	06/10/25 14:12
Total/NA	Prep	3005A			457031	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		1	458034	NFT2	EET CF	06/18/25 13:29
Total/NA	Prep	350.1			457076	E6KR	EET CF	06/10/25 08:59
Total/NA	Analysis	350.1		1	457284	WZC8	EET CF	06/11/25 11:02
Total/NA	Analysis	353.2		1	457691	HE7K	EET CF	06/12/25 01:51
Total/NA	Analysis	I-3765-85		1	456863	E6KR	EET CF	06/06/25 15:25
Total/NA	Analysis	SM 2320B		1	457045	HE7K	EET CF	06/09/25 16:21
Total/NA	Analysis	SM 5310C		1	457573	HE7K	EET CF	06/12/25 20:19

Client Sample ID: Trip Blank

Date Collected: 06/04/25 00:00
Date Received: 06/06/25 08:20

Lab Sample ID: 310-308064-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	456984	WSE8	EET CF	06/10/25 10:00

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: 310-308064-1
Project/Site: SCL 1st 205 HMSP, Geochemistry, & NA
SDG: Scott Area Landfill

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

Method Summary

Client: SCS Engineers
Project/Site: SCL 1st 205 HMSP, Geochemistry, & NA

Job ID: 310-308064-1
SDG: Scott Area Landfill

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
9056A	Anions, Ion Chromatography	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
350.1	Nitrogen, Ammonia	EPA	EET CF
353.2	Nitrogen, Nitrate (Calculation)	EPA	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
SM 2320B	Alkalinity	SM	EET CF
SM 5310C	TOC	SM	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
350.1	Distillation, Ammonia	EPA	EET CF
5030B	Purge and Trap	SW846	EET CF

Protocol References:

EPA = US Environmental Protection Agency

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

eurofins | Environment Testing America

310-308064 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: SCS

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 6-6-25 | TIME 0820 | Received By: CE

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 # 1 of 1

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? ↓

All

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: 2 | Correction Factor (°C): 0.0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.4 | Corrected Temp (°C): 1.4

• **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

3019 Venture Way

Cedar Falls IA 50613-6907
phone 319 277 2401 fax 319 277 2425

Eurofins
Davenport SC 212

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Ohrt	Site Contact: Brian Seals	Date	COC No
Nathan Ohrt	Email nohrt@scsengineers.com	Lab Contact: Sam Miller	Carrier:	1 of 1 CO
SCS Engineers	Cell 319-331-9613			Sampler
1690 All State Court, Suite 100	Analysis Turnaround Time			For Lab Use Only
West Des Moines, IA 50265	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
	Other:			Lab Sampling
Project Name SCL 1st 2025 HMSP Geochemistry & NA	☐ 2 weeks			Job / SDG No
Site. Scott Area Landfill	☐ 1 week			
P O # 27223210 25	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Appendix I	Total Suspended Solids	Appendix II	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Calcium	Chloride	Magnesium	Potassium	Sodium	Sulfate	Total Organic Carbon	Nitrate	Ammonia	Total Iron	Total Manganese	Trip Blank	Sample Specific No
MW-107	6/4/25	15:01	G	GW		N	N	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		
MW-114	6/4/25	15 50	G	GW		N	N	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		
OP-14			G	GW		N	N	X	X																
OP-19			G	GW		N	N	X	X																
MW-20AR			G	GW		N	N		X	X															
MW-41			G	GW		N	N	X	X																
MW-42			G	GW		N	N	X	X																
MW-43			G	GW		N	N	X	X																
MW-48			G	GW		N	N	X	X																
MW-117			G	GW		N	N	X	X																
MW-118			G	GW		N	N	X	X																
UD-4			G	GW		N	N	X	X																
MW-DA			G	GW		N	N	X	X																
OP-22			G	GW		N	N		X		X	X	X	X	X	X	X	X							
Trip Blank						N																		X	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	
Michael Morgan	SCS Engineers	6/4/25 800			6/5/25 815
Relinquished by	Company	Date/Time	Received by	Company	
		6/5 1502			
Relinquished by	Company	Date/Time	Received in Laboratory by:	Company	
					6/6/25 0820

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-308064-1
SDG Number: Scott Area Landfill

Login Number: 308064
List Number: 1
Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (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: 310-308155-1
SDG Number: Scott County Landfill

Login Number: 308155
List Number: 1
Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/24/2025 4:14:49 PM

JOB DESCRIPTION

SAL 1st 2025 HMSP, Geochemistry, & NA
Scott Area Landfill

JOB NUMBER

310-308158-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

myEOL

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



Generated
6/24/2025 4:14:49 PM

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

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 6
Detection Summary 7
Client Sample Results 10
Definitions 41
Surrogate Summary 43
QC Sample Results 46
QC Association 65
Chronicle 69
Certification Summary 73
Method Summary 75
Chain of Custody 76
Receipt Checklists 83

Job ID: 310-308158-1 Eurofins Cedar Falls

Job Narrative
310-308158-1

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 6/7/2025 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were -0.1°C, 0.4°C and 0.6°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 2 (310-308158-13).

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

GC/MS Semi VOA
Method 8270E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 310-457250. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-457998 recovered above the upper control limit for 4-Nitrophenol (22.7 %D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-457998/2).

Method 8270E: The laboratory control sample (LCS) for preparation batch 310-457250 and analytical batch 310-457998 recovered outside acceptance limits for 1,4-Phenylenediamine, 3,3'-Dimethylbenzidine and Famphur. There was insufficient sample to perform a re-extraction or re-analysis; therefore, the data have been reported.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-457250 and analytical batch 310-457998 recovered outside control limits for the following analytes: 1-Naphthylamine, 3,3'-Dimethylbenzidine and Methapyrilene.

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

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

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

PCBs
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.

Metals
Method 6020B: The laboratory control sample (LCS) for preparation batch 310-457312 and analytical batch 310-458536 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.

Job ID: 310-308158-1 (Continued) Eurofins Cedar Falls

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.

Sample Summary

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-308158-1	OP-14	Ground Water	06/05/25 16:21	06/07/25 09:00
310-308158-2	OP-19	Ground Water	06/05/25 13:55	06/07/25 09:00
310-308158-3	MW-20AR	Ground Water	06/05/25 10:39	06/07/25 09:00
310-308158-4	MW-41	Ground Water	06/05/25 13:17	06/07/25 09:00
310-308158-5	MW-42	Groundwater	06/05/25 12:27	06/07/25 09:00
310-308158-6	MW-43	Ground Water	06/05/25 18:09	06/07/25 09:00
310-308158-7	MW-48	Ground Water	06/05/25 17:17	06/07/25 09:00
310-308158-8	MW-117	Ground Water	06/05/25 11:37	06/07/25 09:00
310-308158-9	MW-118	Ground Water	06/05/25 14:37	06/07/25 09:00
310-308158-10	UD-4	Ground Water	06/05/25 18:45	06/07/25 09:00
310-308158-11	MW-DA	Ground Water	06/05/25 12:27	06/07/25 09:00
310-308158-12	Trip Blank 1	Water	06/05/25 00:00	06/07/25 09:00
310-308158-13	Trip Blank 2	Water	06/05/25 00:00	06/07/25 09:00
310-308158-14	MW-30	Water	06/05/25 09:52	06/07/25 09:00

Detection Summary

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: OP-14 — Lab Sample ID: 310-308158-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00250		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0844		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.0129		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0261		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.25		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: OP-19 — Lab Sample ID: 310-308158-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000857	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.229		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000386		0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00232		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.0232		0.00500	0.00320	mg/L	1		6020B	Total/NA
Nickel	0.00536		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.25		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-20AR — Lab Sample ID: 310-308158-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00533		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0484		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000528		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	10.0		7.50	5.25	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-41 — Lab Sample ID: 310-308158-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00505		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.204		0.00200	0.000660	mg/L	1		6020B	Total/NA
Beryllium	0.000452	J	0.00100	0.000330	mg/L	1		6020B	Total/NA
Cobalt	0.00121		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.0249		0.00500	0.00320	mg/L	1		6020B	Total/NA
Zinc	0.0213		0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	7.67		5.00	3.50	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-42 — Lab Sample ID: 310-308158-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.11	J	10.0	3.10	ug/L	1		8260D	Total/NA
Arsenic	0.0260		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.310		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000547		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000429	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Total Suspended Solids	39.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-43 — Lab Sample ID: 310-308158-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00125	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.150		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000767		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.88		1.88	1.31	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: MW-48 — Lab Sample ID: 310-308158-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000679	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.101		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000357	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.00774		0.00500	0.00320	mg/L	1		6020B	Total/NA
Nickel	0.0119		0.00500	0.00230	mg/L	1		6020B	Total/NA

Client Sample ID: MW-117 — Lab Sample ID: 310-308158-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11.0		10.0	3.10	ug/L	1		8260D	Total/NA
Arsenic	0.0240		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.371		0.00200	0.000660	mg/L	1		6020B	Total/NA
Beryllium	0.000820	J	0.00100	0.000330	mg/L	1		6020B	Total/NA
Cobalt	0.0165		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000509		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.0114		0.00500	0.00230	mg/L	1		6020B	Total/NA
Zinc	0.0799		0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	124		30.0	21.0	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-118 — Lab Sample ID: 310-308158-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16.1		10.0	3.10	ug/L	1		8260D	Total/NA
Benzene	1.12		0.500	0.220	ug/L	1		8260D	Total/NA
Arsenic	0.0126		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.162		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00212		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000378	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.0102		0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00558		0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	84.0		30.0	21.0	mg/L	1		I-3765-85	Total/NA

Client Sample ID: UD-4 — Lab Sample ID: 310-308158-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0226		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.295		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000440	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	42.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-DA — Lab Sample ID: 310-308158-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.71	J	10.0	3.10	ug/L	1		8260D	Total/NA
Arsenic	0.00174	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.130		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00350		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00440	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	4.00		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: Trip Blank 1 — Lab Sample ID: 310-308158-12

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: Trip Blank 2 — Lab Sample ID: 310-308158-13

No Detections.

Client Sample ID: MW-30 — Lab Sample ID: 310-308158-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.102		0.00200	0.000660	mg/L	1		6020B	Total/NA
Vanadium	0.00191	J	0.00500	0.00170	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: OP-14
Date Collected: 06/05/25 16:21
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-1
Matrix: Ground Water

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	0.380	ug/L			06/10/25 22:27	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 22:27	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 22:27	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 22:27	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 22:27	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 22:27	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 22:27	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 22:27	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 22:27	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 22:27	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 22:27	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 22:27	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 22:27	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 22:27	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 22:27	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 22:27	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 22:27	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 22:27	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 22:27	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 22:27	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 22:27	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 22:27	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 22:27	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 22:27	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 22:27	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 22:27	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 22:27	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 22:27	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 22:27	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 22:27	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 22:27	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 22:27	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 22:27	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 22:27	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 22:27	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 22:27	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 22:27	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 22:27	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 22:27	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 22:27	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 22:27	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 22:27	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 22:27	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 22:27	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 22:27	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 22:27	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*06/10/25 22:27*	*1*

Client Sample ID: OP-14

Date Collected: 06/05/25 16:21
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-1

Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*06/10/25 22:27*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/10/25 22:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		06/12/25 09:25	06/23/25 18:14	1
Arsenic	**0.00250**		0.00200	0.000530	mg/L		06/12/25 09:25	06/23/25 18:14	1
Barium	**0.0844**		0.00200	0.000660	mg/L		06/12/25 09:25	06/24/25 13:17	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/12/25 09:25	06/23/25 18:14	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/12/25 09:25	06/23/25 18:14	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/12/25 09:25	06/23/25 18:14	1
Cobalt	**0.0129**		0.000500	0.000170	mg/L		06/12/25 09:25	06/23/25 18:14	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/12/25 09:25	06/23/25 18:14	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/12/25 09:25	06/23/25 18:14	1
Nickel	**0.0261**		0.00500	0.00230	mg/L		06/12/25 09:25	06/23/25 18:14	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/12/25 09:25	06/23/25 18:14	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		06/12/25 09:25	06/23/25 18:14	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/12/25 09:25	06/23/25 18:14	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/12/25 09:25	06/23/25 18:14	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/12/25 09:25	06/23/25 18:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.25**		1.88	1.31	mg/L			06/09/25 15:45	1

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: OP-19
Date Collected: 06/05/25 13:55
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-2
Matrix: Ground Water

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	0.380	ug/L			06/10/25 22:49	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 22:49	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 22:49	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 22:49	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 22:49	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 22:49	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 22:49	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 22:49	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 22:49	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 22:49	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 22:49	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 22:49	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 22:49	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 22:49	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 22:49	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 22:49	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 22:49	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 22:49	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 22:49	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 22:49	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 22:49	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 22:49	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 22:49	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 22:49	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 22:49	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 22:49	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 22:49	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 22:49	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 22:49	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 22:49	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 22:49	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 22:49	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 22:49	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 22:49	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 22:49	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 22:49	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 22:49	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 22:49	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 22:49	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 22:49	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 22:49	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 22:49	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 22:49	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 22:49	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 22:49	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 22:49	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*76 - 130*		*06/10/25 22:49*	*1*

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: OP-19

Date Collected: 06/05/25 13:55
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-2

Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*06/10/25 22:49*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/10/25 22:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		06/12/25 09:25	06/23/25 18:17	1
Arsenic	**0.000857**	**J**	0.00200	0.000530	mg/L		06/12/25 09:25	06/23/25 18:17	1
Barium	**0.229**		0.00200	0.000660	mg/L		06/12/25 09:25	06/24/25 13:20	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/12/25 09:25	06/23/25 18:17	1
Cadmium	**0.000386**		0.000200	0.000100	mg/L		06/12/25 09:25	06/23/25 18:17	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/12/25 09:25	06/23/25 18:17	1
Cobalt	**0.00232**		0.000500	0.000170	mg/L		06/12/25 09:25	06/23/25 18:17	1
Copper	**0.0232**		0.00500	0.00320	mg/L		06/12/25 09:25	06/23/25 18:17	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/12/25 09:25	06/23/25 18:17	1
Nickel	**0.00536**		0.00500	0.00230	mg/L		06/12/25 09:25	06/23/25 18:17	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/12/25 09:25	06/23/25 18:17	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		06/12/25 09:25	06/23/25 18:17	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/12/25 09:25	06/23/25 18:17	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/12/25 09:25	06/23/25 18:17	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/12/25 09:25	06/23/25 18:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.25**		1.88	1.31	mg/L			06/09/25 15:45	1

Client Sample ID: MW-20AR
Date Collected: 06/05/25 10:39
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-3
Matrix: Ground Water

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	0.380	ug/L			06/10/25 23:12	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 23:12	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 23:12	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 23:12	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 23:12	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 23:12	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			06/10/25 23:12	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 23:12	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			06/10/25 23:12	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 23:12	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 23:12	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 23:12	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 23:12	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 23:12	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			06/10/25 23:12	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			06/10/25 23:12	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 23:12	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			06/10/25 23:12	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 23:12	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 23:12	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 23:12	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 23:12	1
Acrolein	<10.0		10.0	3.60	ug/L			06/10/25 23:12	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 23:12	1
Allyl chloride	<2.00		2.00	0.700	ug/L			06/10/25 23:12	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 23:12	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 23:12	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 23:12	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 23:12	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 23:12	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 23:12	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 23:12	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 23:12	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 23:12	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 23:12	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 23:12	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 23:12	1
Chloroprene	<1.00		1.00	0.230	ug/L			06/10/25 23:12	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 23:12	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 23:12	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 23:12	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			06/10/25 23:12	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			06/10/25 23:12	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 23:12	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 23:12	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			06/10/25 23:12	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			06/10/25 23:12	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 23:12	1
Naphthalene	<5.00		5.00	3.00	ug/L			06/10/25 23:12	1

Client Sample ID: MW-20AR
Date Collected: 06/05/25 10:39
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-3
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			06/10/25 23:12	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 23:12	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 23:12	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 23:12	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 23:12	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 23:12	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 23:12	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 23:12	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 23:12	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 23:12	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 23:12	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*76 - 130*		*06/10/25 23:12*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/10/25 23:12*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/10/25 23:12*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		06/11/25 12:12	06/18/25 21:55	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		06/11/25 12:12	06/18/25 21:55	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		06/11/25 12:12	06/18/25 21:55	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		06/11/25 12:12	06/18/25 21:55	1
1,4-Phenylenediamine	<10.0	*-	10.0	1.90	ug/L		06/11/25 12:12	06/18/25 21:55	1
1-Naphthylamine	<10.0	*1	10.0	2.50	ug/L		06/11/25 12:12	06/18/25 21:55	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		06/11/25 12:12	06/18/25 21:55	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		06/11/25 12:12	06/18/25 21:55	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		06/11/25 12:12	06/18/25 21:55	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		06/11/25 12:12	06/18/25 21:55	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		06/11/25 12:12	06/18/25 21:55	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		06/11/25 12:12	06/18/25 21:55	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		06/11/25 12:12	06/18/25 21:55	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		06/11/25 12:12	06/18/25 21:55	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		06/11/25 12:12	06/18/25 21:55	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		06/11/25 12:12	06/18/25 21:55	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		06/11/25 12:12	06/18/25 21:55	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		06/11/25 12:12	06/18/25 21:55	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		06/11/25 12:12	06/18/25 21:55	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		06/11/25 12:12	06/18/25 21:55	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		06/11/25 12:12	06/18/25 21:55	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		06/11/25 12:12	06/18/25 21:55	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		06/11/25 12:12	06/18/25 21:55	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		06/11/25 12:12	06/18/25 21:55	1
3,3'-Dimethylbenzidine	<10.0	*- *1	10.0	1.50	ug/L		06/11/25 12:12	06/18/25 21:55	1
3-Methylcholanthrene	<10.0		10.0	0.320	ug/L		06/11/25 12:12	06/18/25 21:55	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		06/11/25 12:12	06/18/25 21:55	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		06/11/25 12:12	06/18/25 21:55	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		06/11/25 12:12	06/18/25 21:55	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		06/11/25 12:12	06/18/25 21:55	1

Client Sample ID: MW-20AR
Date Collected: 06/05/25 10:39
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-3
Matrix: Ground Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		06/11/25 12:12	06/18/25 21:55	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		06/11/25 12:12	06/18/25 21:55	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		06/11/25 12:12	06/18/25 21:55	1
4-Methylphenol (and/or 3-Methylphenol)	<10.0		10.0	0.700	ug/L		06/11/25 12:12	06/18/25 21:55	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		06/11/25 12:12	06/18/25 21:55	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		06/11/25 12:12	06/18/25 21:55	1
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		06/11/25 12:12	06/18/25 21:55	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0	1.90	ug/L		06/11/25 12:12	06/18/25 21:55	1
Acenaphthene	<10.0		10.0	0.640	ug/L		06/11/25 12:12	06/18/25 21:55	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		06/11/25 12:12	06/18/25 21:55	1
Acetophenone	<10.0		10.0	0.690	ug/L		06/11/25 12:12	06/18/25 21:55	1
Anthracene	<10.0		10.0	0.870	ug/L		06/11/25 12:12	06/18/25 21:55	1
Benzo(a)anthracene	<10.0		10.0	0.850	ug/L		06/11/25 12:12	06/18/25 21:55	1
Benzo(a)pyrene	<10.0		10.0	8.10	ug/L		06/11/25 12:12	06/18/25 21:55	1
Benzo(b)fluoranthene	<10.0		10.0	4.90	ug/L		06/11/25 12:12	06/18/25 21:55	1
Benzo(g,h,i)perylene	<10.0		10.0	6.30	ug/L		06/11/25 12:12	06/18/25 21:55	1
Benzo(k)fluoranthene	<10.0		10.0	2.20	ug/L		06/11/25 12:12	06/18/25 21:55	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		06/11/25 12:12	06/18/25 21:55	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		06/11/25 12:12	06/18/25 21:55	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		06/11/25 12:12	06/18/25 21:55	1
bis(2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		06/11/25 12:12	06/18/25 21:55	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		06/11/25 12:12	06/18/25 21:55	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		06/11/25 12:12	06/18/25 21:55	1
Chlorobenzilate	<10.0		10.0	3.60	ug/L		06/11/25 12:12	06/18/25 21:55	1
Chrysene	<10.0		10.0	0.870	ug/L		06/11/25 12:12	06/18/25 21:55	1
Diallate	<10.0		10.0	4.00	ug/L		06/11/25 12:12	06/18/25 21:55	1
Dibenz(a,h)anthracene	<10.0		10.0	3.90	ug/L		06/11/25 12:12	06/18/25 21:55	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		06/11/25 12:12	06/18/25 21:55	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		06/11/25 12:12	06/18/25 21:55	1
Dimethoate	<10.0		10.0	3.60	ug/L		06/11/25 12:12	06/18/25 21:55	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		06/11/25 12:12	06/18/25 21:55	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		06/11/25 12:12	06/18/25 21:55	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		06/11/25 12:12	06/18/25 21:55	1
Diphenylamine	<10.0		10.0	6.00	ug/L		06/11/25 12:12	06/18/25 21:55	1
Disulfoton	<10.0		10.0	2.40	ug/L		06/11/25 12:12	06/18/25 21:55	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		06/11/25 12:12	06/18/25 21:55	1
Ethyl parathion	<10.0		10.0	2.20	ug/L		06/11/25 12:12	06/18/25 21:55	1
Famphur	<10.0	*+	10.0	3.80	ug/L		06/11/25 12:12	06/18/25 21:55	1
Fluoranthene	<10.0		10.0	1.70	ug/L		06/11/25 12:12	06/18/25 21:55	1
Fluorene	<10.0		10.0	0.790	ug/L		06/11/25 12:12	06/18/25 21:55	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		06/11/25 12:12	06/18/25 21:55	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		06/11/25 12:12	06/18/25 21:55	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		06/11/25 12:12	06/18/25 21:55	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		06/11/25 12:12	06/18/25 21:55	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		06/11/25 12:12	06/18/25 21:55	1
Indeno(1,2,3-cd)pyrene	<10.0		10.0	4.20	ug/L		06/11/25 12:12	06/18/25 21:55	1
Isodrin	<10.0		10.0	4.70	ug/L		06/11/25 12:12	06/18/25 21:55	1
Isophorone	<10.0		10.0	0.930	ug/L		06/11/25 12:12	06/18/25 21:55	1
Isosafrole	<10.0		10.0	2.30	ug/L		06/11/25 12:12	06/18/25 21:55	1

Client Sample ID: MW-20AR
Date Collected: 06/05/25 10:39
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-3
Matrix: Ground Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kepone	<10.0		10.0	1.00	ug/L		06/11/25 12:12	06/18/25 21:55	1
Methapyrilene	<10.0	*1	10.0	0.760	ug/L		06/11/25 12:12	06/18/25 21:55	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		06/11/25 12:12	06/18/25 21:55	1
Methyl parathion	<10.0		10.0	2.30	ug/L		06/11/25 12:12	06/18/25 21:55	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		06/11/25 12:12	06/18/25 21:55	1
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		06/11/25 12:12	06/18/25 21:55	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		06/11/25 12:12	06/18/25 21:55	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		06/11/25 12:12	06/18/25 21:55	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		06/11/25 12:12	06/18/25 21:55	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		06/11/25 12:12	06/18/25 21:55	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		06/11/25 12:12	06/18/25 21:55	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		06/11/25 12:12	06/18/25 21:55	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		06/11/25 12:12	06/18/25 21:55	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		06/11/25 12:12	06/18/25 21:55	1
o-Toluidine	<10.0		10.0	2.90	ug/L		06/11/25 12:12	06/18/25 21:55	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		06/11/25 12:12	06/18/25 21:55	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		06/11/25 12:12	06/18/25 21:55	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		06/11/25 12:12	06/18/25 21:55	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		06/11/25 12:12	06/18/25 21:55	1
Phenacetin	<10.0		10.0	1.90	ug/L		06/11/25 12:12	06/18/25 21:55	1
Phenanthrene	<10.0		10.0	0.790	ug/L		06/11/25 12:12	06/18/25 21:55	1
Phenol	<10.0		10.0	1.10	ug/L		06/11/25 12:12	06/18/25 21:55	1
Phorate	<10.0		10.0	3.20	ug/L		06/11/25 12:12	06/18/25 21:55	1
Pronamide	<10.0		10.0	2.70	ug/L		06/11/25 12:12	06/18/25 21:55	1
Pyrene	<10.0		10.0	0.790	ug/L		06/11/25 12:12	06/18/25 21:55	1
Safrole	<10.0		10.0	2.80	ug/L		06/11/25 12:12	06/18/25 21:55	1
Thionazin	<10.0		10.0	3.50	ug/L		06/11/25 12:12	06/18/25 21:55	1
Dinoseb	<10.0		10.0	2.40	ug/L		06/11/25 12:12	06/18/25 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*63*		*21 - 110*	*06/11/25 12:12*	*06/18/25 21:55*	*1*
Phenol-d5 (Surr)	*57*		*21 - 110*	*06/11/25 12:12*	*06/18/25 21:55*	*1*
Nitrobenzene-d5 (Surr)	*94*		*39 - 140*	*06/11/25 12:12*	*06/18/25 21:55*	*1*
2-Fluorobiphenyl (Surr)	*85*		*33 - 126*	*06/11/25 12:12*	*06/18/25 21:55*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*20 - 144*	*06/11/25 12:12*	*06/18/25 21:55*	*1*
Terphenyl-d14 (Surr)	*101*		*13 - 150*	*06/11/25 12:12*	*06/18/25 21:55*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			06/11/25 17:59	1
Isobutanol	<10.0		10.0	2.40	mg/L			06/11/25 17:59	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0928		0.0928	0.0232	ug/L		06/12/25 14:12	06/13/25 18:54	1
4,4'-DDE	<0.0928		0.0928	0.0279	ug/L		06/12/25 14:12	06/13/25 18:54	1
4,4'-DDT	<0.0928		0.0928	0.0186	ug/L		06/12/25 14:12	06/13/25 18:54	1
Aldrin	<0.0928		0.0928	0.0204	ug/L		06/12/25 14:12	06/13/25 18:54	1
alpha-BHC	<0.0928		0.0928	0.00928	ug/L		06/12/25 14:12	06/13/25 18:54	1
beta-BHC	<0.0928		0.0928	0.0390	ug/L		06/12/25 14:12	06/13/25 18:54	1

Client Sample ID: MW-20AR

Date Collected: 06/05/25 10:39
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-3

Matrix: Ground Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.86		1.86	0.362	ug/L		06/12/25 14:12	06/13/25 18:54	1
delta-BHC	<0.0928		0.0928	0.0297	ug/L		06/12/25 14:12	06/13/25 18:54	1
Dieldrin	<0.0928		0.0928	0.0195	ug/L		06/12/25 14:12	06/13/25 18:54	1
Endosulfan I	<0.0928		0.0928	0.0260	ug/L		06/12/25 14:12	06/13/25 18:54	1
Endosulfan II	<0.0928		0.0928	0.0241	ug/L		06/12/25 14:12	06/13/25 18:54	1
Endosulfan sulfate	<0.0928		0.0928	0.0167	ug/L		06/12/25 14:12	06/13/25 18:54	1
Endrin	<0.0928		0.0928	0.0260	ug/L		06/12/25 14:12	06/13/25 18:54	1
Endrin aldehyde	<0.0928		0.0928	0.0251	ug/L		06/12/25 14:12	06/13/25 18:54	1
gamma-BHC (Lindane)	<0.0928		0.0928	0.00928	ug/L		06/12/25 14:12	06/13/25 18:54	1
Heptachlor	<0.0928		0.0928	0.0214	ug/L		06/12/25 14:12	06/13/25 18:54	1
Heptachlor epoxide	<0.0928		0.0928	0.0297	ug/L		06/12/25 14:12	06/13/25 18:54	1
Methoxychlor	<0.0928		0.0928	0.0297	ug/L		06/12/25 14:12	06/13/25 18:54	1
Toxaphene	<1.86		1.86	0.928	ug/L		06/12/25 14:12	06/13/25 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*10 - 150*	*06/12/25 14:12*	*06/13/25 18:54*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*17 - 150*	*06/12/25 14:12*	*06/13/25 18:54*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.86		1.86	0.761	ug/L		06/12/25 14:12	06/13/25 18:54	1
PCB-1221	<1.86		1.86	0.761	ug/L		06/12/25 14:12	06/13/25 18:54	1
PCB-1232	<1.86		1.86	0.761	ug/L		06/12/25 14:12	06/13/25 18:54	1
PCB-1242	<1.86		1.86	0.761	ug/L		06/12/25 14:12	06/13/25 18:54	1
PCB-1248	<1.86		1.86	0.641	ug/L		06/12/25 14:12	06/13/25 18:54	1
PCB-1254	<1.86		1.86	0.641	ug/L		06/12/25 14:12	06/13/25 18:54	1
PCB-1260	<1.86		1.86	0.641	ug/L		06/12/25 14:12	06/13/25 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*10 - 150*	*06/12/25 14:12*	*06/13/25 18:54*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*17 - 150*	*06/12/25 14:12*	*06/13/25 18:54*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	<0.151	*1	0.151	0.0654	ug/L		06/12/25 15:00	06/13/25 10:29	1
Silvex (2,4,5-TP)	<0.0503	*-	0.0503	0.0221	ug/L		06/12/25 15:00	06/13/25 10:29	1
2,4-D	<0.604	*1	0.604	0.251	ug/L		06/12/25 15:00	06/13/25 10:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		06/12/25 09:25	06/23/25 18:20	1
Arsenic	**0.00533**		0.00200	0.000530	mg/L		06/12/25 09:25	06/23/25 18:20	1
Barium	**0.0484**		0.00200	0.000660	mg/L		06/12/25 09:25	06/24/25 13:23	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/12/25 09:25	06/23/25 18:20	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/12/25 09:25	06/23/25 18:20	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/12/25 09:25	06/23/25 18:20	1
Cobalt	**0.000528**		0.000500	0.000170	mg/L		06/12/25 09:25	06/23/25 18:20	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/12/25 09:25	06/23/25 18:20	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/12/25 09:25	06/23/25 18:20	1
Nickel	<0.00500		0.00500	0.00230	mg/L		06/12/25 09:25	06/23/25 18:20	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/12/25 09:25	06/23/25 18:20	1

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: MW-20AR
Date Collected: 06/05/25 10:39
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-3
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00100	*+	0.00100	0.000500	mg/L		06/12/25 09:25	06/23/25 18:20	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/12/25 09:25	06/23/25 18:20	1
Tin	<0.00500		0.00500	0.00250	mg/L		06/12/25 09:25	06/23/25 18:20	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/12/25 09:25	06/23/25 18:20	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/12/25 09:25	06/23/25 18:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		06/16/25 11:15	06/17/25 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		06/11/25 10:54	06/12/25 09:57	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			06/11/25 23:46	1
Total Suspended Solids (USGS I-3765-85)	10.0		7.50	5.25	mg/L			06/09/25 15:45	1

Client Sample ID: MW-41

Date Collected: 06/05/25 13:17
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-4

Matrix: Ground Water

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	0.380	ug/L			06/10/25 23:34	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 23:34	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 23:34	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 23:34	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 23:34	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 23:34	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 23:34	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 23:34	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 23:34	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 23:34	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 23:34	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 23:34	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 23:34	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 23:34	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 23:34	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 23:34	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 23:34	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 23:34	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 23:34	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 23:34	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 23:34	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 23:34	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 23:34	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 23:34	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 23:34	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 23:34	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 23:34	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 23:34	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 23:34	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 23:34	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 23:34	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 23:34	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 23:34	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 23:34	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 23:34	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 23:34	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 23:34	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 23:34	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 23:34	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 23:34	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 23:34	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 23:34	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 23:34	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 23:34	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 23:34	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 23:34	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*06/10/25 23:34*	*1*

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: MW-41

Date Collected: 06/05/25 13:17
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-4

Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/10/25 23:34*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/10/25 23:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		06/12/25 09:25	06/23/25 18:23	1
Arsenic	**0.00505**		0.00200	0.000530	mg/L		06/12/25 09:25	06/23/25 18:23	1
Barium	**0.204**		0.00200	0.000660	mg/L		06/12/25 09:25	06/24/25 13:26	1
Beryllium	**0.000452**	**J**	0.00100	0.000330	mg/L		06/12/25 09:25	06/23/25 18:23	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/12/25 09:25	06/23/25 18:23	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/12/25 09:25	06/23/25 18:23	1
Cobalt	**0.00121**		0.000500	0.000170	mg/L		06/12/25 09:25	06/23/25 18:23	1
Copper	**0.0249**		0.00500	0.00320	mg/L		06/12/25 09:25	06/23/25 18:23	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/12/25 09:25	06/23/25 18:23	1
Nickel	<0.00500		0.00500	0.00230	mg/L		06/12/25 09:25	06/23/25 18:23	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/12/25 09:25	06/23/25 18:23	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		06/12/25 09:25	06/23/25 18:23	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/12/25 09:25	06/23/25 18:23	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/12/25 09:25	06/23/25 18:23	1
Zinc	**0.0213**		0.0200	0.0130	mg/L		06/12/25 09:25	06/23/25 18:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**7.67**		5.00	3.50	mg/L			06/09/25 15:45	1

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: MW-42
Date Collected: 06/05/25 12:27
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-5
Matrix: Groundwater

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	0.380	ug/L			06/10/25 23:57	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 23:57	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 23:57	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 23:57	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 23:57	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 23:57	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 23:57	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 23:57	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 23:57	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 23:57	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 23:57	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 23:57	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 23:57	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 23:57	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 23:57	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 23:57	1
Acetone	**6.11**	**J**	10.0	3.10	ug/L			06/10/25 23:57	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 23:57	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 23:57	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 23:57	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 23:57	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 23:57	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 23:57	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 23:57	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 23:57	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 23:57	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 23:57	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 23:57	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 23:57	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 23:57	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 23:57	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 23:57	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 23:57	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 23:57	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 23:57	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 23:57	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 23:57	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 23:57	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 23:57	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 23:57	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 23:57	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 23:57	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 23:57	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 23:57	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 23:57	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 23:57	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*76 - 130*		*06/10/25 23:57*	*1*

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: MW-42
Date Collected: 06/05/25 12:27
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-5
Matrix: Groundwater

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/10/25 23:57*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*06/10/25 23:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		06/12/25 09:25	06/23/25 18:28	1
Arsenic	**0.0260**		0.00200	0.000530	mg/L		06/12/25 09:25	06/23/25 18:28	1
Barium	**0.310**		0.00200	0.000660	mg/L		06/12/25 09:25	06/24/25 13:31	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/12/25 09:25	06/23/25 18:28	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/12/25 09:25	06/23/25 18:28	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/12/25 09:25	06/23/25 18:28	1
Cobalt	**0.000547**		0.000500	0.000170	mg/L		06/12/25 09:25	06/23/25 18:28	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/12/25 09:25	06/23/25 18:28	1
Lead	**0.000429**	**J**	0.000500	0.000330	mg/L		06/12/25 09:25	06/23/25 18:28	1
Nickel	<0.00500		0.00500	0.00230	mg/L		06/12/25 09:25	06/23/25 18:28	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/12/25 09:25	06/23/25 18:28	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		06/12/25 09:25	06/23/25 18:28	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/12/25 09:25	06/23/25 18:28	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/12/25 09:25	06/23/25 18:28	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/12/25 09:25	06/23/25 18:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**39.0**		15.0	10.5	mg/L			06/09/25 15:45	1

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: MW-43
Date Collected: 06/05/25 18:09
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-6
Matrix: Ground Water

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	0.380	ug/L			06/11/25 00:20	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/11/25 00:20	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/11/25 00:20	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/11/25 00:20	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/11/25 00:20	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/11/25 00:20	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/11/25 00:20	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/11/25 00:20	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/11/25 00:20	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/11/25 00:20	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/11/25 00:20	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/11/25 00:20	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/11/25 00:20	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/11/25 00:20	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/11/25 00:20	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/11/25 00:20	1
Acetone	<10.0		10.0	3.10	ug/L			06/11/25 00:20	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/11/25 00:20	1
Benzene	<0.500		0.500	0.220	ug/L			06/11/25 00:20	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/11/25 00:20	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/11/25 00:20	1
Bromoform	<5.00		5.00	0.780	ug/L			06/11/25 00:20	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/11/25 00:20	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/11/25 00:20	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/11/25 00:20	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/11/25 00:20	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/11/25 00:20	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/11/25 00:20	1
Chloroform	<3.00		3.00	1.30	ug/L			06/11/25 00:20	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/11/25 00:20	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/11/25 00:20	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/11/25 00:20	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/11/25 00:20	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/11/25 00:20	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/11/25 00:20	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/11/25 00:20	1
Styrene	<1.00		1.00	0.370	ug/L			06/11/25 00:20	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/11/25 00:20	1
Toluene	<1.00		1.00	0.430	ug/L			06/11/25 00:20	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/11/25 00:20	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/11/25 00:20	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/11/25 00:20	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/11/25 00:20	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/11/25 00:20	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/11/25 00:20	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/11/25 00:20	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/11/25 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*76 - 130*		*06/11/25 00:20*	*1*

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: MW-43
Date Collected: 06/05/25 18:09
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-6
Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*06/11/25 00:20*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/11/25 00:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		06/12/25 09:25	06/23/25 18:31	1
Arsenic	**0.00125**	**J**	0.00200	0.000530	mg/L		06/12/25 09:25	06/23/25 18:31	1
Barium	**0.150**		0.00200	0.000660	mg/L		06/12/25 09:25	06/24/25 13:34	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/12/25 09:25	06/23/25 18:31	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/12/25 09:25	06/23/25 18:31	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/12/25 09:25	06/23/25 18:31	1
Cobalt	**0.000767**		0.000500	0.000170	mg/L		06/12/25 09:25	06/23/25 18:31	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/12/25 09:25	06/23/25 18:31	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/12/25 09:25	06/23/25 18:31	1
Nickel	<0.00500		0.00500	0.00230	mg/L		06/12/25 09:25	06/23/25 18:31	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/12/25 09:25	06/23/25 18:31	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		06/12/25 09:25	06/23/25 18:31	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/12/25 09:25	06/23/25 18:31	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/12/25 09:25	06/23/25 18:31	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/12/25 09:25	06/23/25 18:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.88**		1.88	1.31	mg/L			06/09/25 15:45	1

Client Sample ID: MW-48
Date Collected: 06/05/25 17:17
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-7
Matrix: Ground Water

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	0.380	ug/L			06/11/25 00:43	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/11/25 00:43	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/11/25 00:43	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/11/25 00:43	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/11/25 00:43	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/11/25 00:43	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/11/25 00:43	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/11/25 00:43	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/11/25 00:43	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/11/25 00:43	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/11/25 00:43	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/11/25 00:43	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/11/25 00:43	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/11/25 00:43	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/11/25 00:43	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/11/25 00:43	1
Acetone	<10.0		10.0	3.10	ug/L			06/11/25 00:43	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/11/25 00:43	1
Benzene	<0.500		0.500	0.220	ug/L			06/11/25 00:43	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/11/25 00:43	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/11/25 00:43	1
Bromoform	<5.00		5.00	0.780	ug/L			06/11/25 00:43	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/11/25 00:43	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/11/25 00:43	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/11/25 00:43	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/11/25 00:43	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/11/25 00:43	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/11/25 00:43	1
Chloroform	<3.00		3.00	1.30	ug/L			06/11/25 00:43	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/11/25 00:43	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/11/25 00:43	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/11/25 00:43	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/11/25 00:43	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/11/25 00:43	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/11/25 00:43	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/11/25 00:43	1
Styrene	<1.00		1.00	0.370	ug/L			06/11/25 00:43	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/11/25 00:43	1
Toluene	<1.00		1.00	0.430	ug/L			06/11/25 00:43	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/11/25 00:43	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/11/25 00:43	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/11/25 00:43	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/11/25 00:43	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/11/25 00:43	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/11/25 00:43	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/11/25 00:43	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/11/25 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*76 - 130*		*06/11/25 00:43*	*1*

Client Sample ID: MW-48
Date Collected: 06/05/25 17:17
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-7
Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/11/25 00:43*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/11/25 00:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		06/12/25 09:25	06/23/25 18:34	1
Arsenic	**0.000679**	**J**	0.00200	0.000530	mg/L		06/12/25 09:25	06/23/25 18:34	1
Barium	**0.101**		0.00200	0.000660	mg/L		06/12/25 09:25	06/24/25 13:37	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/12/25 09:25	06/23/25 18:34	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/12/25 09:25	06/23/25 18:34	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/12/25 09:25	06/23/25 18:34	1
Cobalt	**0.000357**	**J**	0.000500	0.000170	mg/L		06/12/25 09:25	06/23/25 18:34	1
Copper	**0.00774**		0.00500	0.00320	mg/L		06/12/25 09:25	06/23/25 18:34	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/12/25 09:25	06/23/25 18:34	1
Nickel	**0.0119**		0.00500	0.00230	mg/L		06/12/25 09:25	06/23/25 18:34	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/12/25 09:25	06/23/25 18:34	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		06/12/25 09:25	06/23/25 18:34	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/12/25 09:25	06/23/25 18:34	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/12/25 09:25	06/23/25 18:34	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/12/25 09:25	06/23/25 18:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			06/09/25 15:45	1

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: MW-117
Date Collected: 06/05/25 11:37
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-8
Matrix: Ground Water

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	0.380	ug/L			06/11/25 01:05	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/11/25 01:05	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/11/25 01:05	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/11/25 01:05	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/11/25 01:05	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/11/25 01:05	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/11/25 01:05	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/11/25 01:05	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/11/25 01:05	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/11/25 01:05	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/11/25 01:05	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/11/25 01:05	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/11/25 01:05	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/11/25 01:05	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/11/25 01:05	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/11/25 01:05	1
Acetone	**11.0**		10.0	3.10	ug/L			06/11/25 01:05	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/11/25 01:05	1
Benzene	<0.500		0.500	0.220	ug/L			06/11/25 01:05	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/11/25 01:05	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/11/25 01:05	1
Bromoform	<5.00		5.00	0.780	ug/L			06/11/25 01:05	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/11/25 01:05	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/11/25 01:05	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/11/25 01:05	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/11/25 01:05	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/11/25 01:05	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/11/25 01:05	1
Chloroform	<3.00		3.00	1.30	ug/L			06/11/25 01:05	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/11/25 01:05	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/11/25 01:05	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/11/25 01:05	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/11/25 01:05	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/11/25 01:05	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/11/25 01:05	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/11/25 01:05	1
Styrene	<1.00		1.00	0.370	ug/L			06/11/25 01:05	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/11/25 01:05	1
Toluene	<1.00		1.00	0.430	ug/L			06/11/25 01:05	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/11/25 01:05	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/11/25 01:05	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/11/25 01:05	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/11/25 01:05	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/11/25 01:05	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/11/25 01:05	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/11/25 01:05	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/11/25 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*76 - 130*		*06/11/25 01:05*	*1*

Client Sample ID: MW-117

Date Collected: 06/05/25 11:37
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-8

Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*06/11/25 01:05*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/11/25 01:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		06/12/25 09:25	06/23/25 18:43	1
Arsenic	**0.0240**		0.00200	0.000530	mg/L		06/12/25 09:25	06/23/25 18:43	1
Barium	**0.371**		0.00200	0.000660	mg/L		06/12/25 09:25	06/24/25 13:40	1
Beryllium	**0.000820**	**J**	0.00100	0.000330	mg/L		06/12/25 09:25	06/23/25 18:43	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/12/25 09:25	06/23/25 18:43	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/12/25 09:25	06/23/25 18:43	1
Cobalt	**0.0165**		0.000500	0.000170	mg/L		06/12/25 09:25	06/23/25 18:43	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/12/25 09:25	06/23/25 18:43	1
Lead	**0.000509**		0.000500	0.000330	mg/L		06/12/25 09:25	06/23/25 18:43	1
Nickel	**0.0114**		0.00500	0.00230	mg/L		06/12/25 09:25	06/23/25 18:43	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/12/25 09:25	06/23/25 18:43	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		06/12/25 09:25	06/23/25 18:43	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/12/25 09:25	06/23/25 18:43	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/12/25 09:25	06/23/25 18:43	1
Zinc	**0.0799**		0.0200	0.0130	mg/L		06/12/25 09:25	06/23/25 18:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**124**		30.0	21.0	mg/L			06/09/25 15:45	1

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: MW-118
Date Collected: 06/05/25 14:37
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-9
Matrix: Ground Water

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	0.380	ug/L			06/11/25 01:28	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/11/25 01:28	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/11/25 01:28	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/11/25 01:28	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/11/25 01:28	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/11/25 01:28	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/11/25 01:28	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/11/25 01:28	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/11/25 01:28	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/11/25 01:28	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/11/25 01:28	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/11/25 01:28	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/11/25 01:28	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/11/25 01:28	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/11/25 01:28	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/11/25 01:28	1
Acetone	**16.1**		10.0	3.10	ug/L			06/11/25 01:28	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/11/25 01:28	1
Benzene	**1.12**		0.500	0.220	ug/L			06/11/25 01:28	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/11/25 01:28	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/11/25 01:28	1
Bromoform	<5.00		5.00	0.780	ug/L			06/11/25 01:28	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/11/25 01:28	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/11/25 01:28	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/11/25 01:28	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/11/25 01:28	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/11/25 01:28	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/11/25 01:28	1
Chloroform	<3.00		3.00	1.30	ug/L			06/11/25 01:28	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/11/25 01:28	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/11/25 01:28	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/11/25 01:28	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/11/25 01:28	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/11/25 01:28	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/11/25 01:28	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/11/25 01:28	1
Styrene	<1.00		1.00	0.370	ug/L			06/11/25 01:28	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/11/25 01:28	1
Toluene	<1.00		1.00	0.430	ug/L			06/11/25 01:28	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/11/25 01:28	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/11/25 01:28	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/11/25 01:28	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/11/25 01:28	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/11/25 01:28	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/11/25 01:28	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/11/25 01:28	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/11/25 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*76 - 130*		*06/11/25 01:28*	*1*

Client Sample ID: MW-118
Date Collected: 06/05/25 14:37
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-9
Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*06/11/25 01:28*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/11/25 01:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		06/12/25 09:25	06/23/25 18:46	1
Arsenic	**0.0126**		0.00200	0.000530	mg/L		06/12/25 09:25	06/23/25 18:46	1
Barium	**0.162**		0.00200	0.000660	mg/L		06/12/25 09:25	06/24/25 13:49	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/12/25 09:25	06/23/25 18:46	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/12/25 09:25	06/23/25 18:46	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/12/25 09:25	06/23/25 18:46	1
Cobalt	**0.00212**		0.000500	0.000170	mg/L		06/12/25 09:25	06/23/25 18:46	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/12/25 09:25	06/23/25 18:46	1
Lead	**0.000378**	**J**	0.000500	0.000330	mg/L		06/12/25 09:25	06/23/25 18:46	1
Nickel	**0.0102**		0.00500	0.00230	mg/L		06/12/25 09:25	06/23/25 18:46	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/12/25 09:25	06/23/25 18:46	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		06/12/25 09:25	06/23/25 18:46	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/12/25 09:25	06/23/25 18:46	1
Vanadium	**0.00558**		0.00500	0.00170	mg/L		06/12/25 09:25	06/23/25 18:46	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/12/25 09:25	06/23/25 18:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**84.0**		30.0	21.0	mg/L			06/09/25 15:45	1

Client Sample ID: UD-4
Date Collected: 06/05/25 18:45
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-10
Matrix: Ground Water

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	0.380	ug/L			06/11/25 01:50	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/11/25 01:50	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/11/25 01:50	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/11/25 01:50	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/11/25 01:50	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/11/25 01:50	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/11/25 01:50	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/11/25 01:50	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/11/25 01:50	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/11/25 01:50	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/11/25 01:50	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/11/25 01:50	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/11/25 01:50	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/11/25 01:50	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/11/25 01:50	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/11/25 01:50	1
Acetone	<10.0		10.0	3.10	ug/L			06/11/25 01:50	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/11/25 01:50	1
Benzene	<0.500		0.500	0.220	ug/L			06/11/25 01:50	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/11/25 01:50	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/11/25 01:50	1
Bromoform	<5.00		5.00	0.780	ug/L			06/11/25 01:50	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/11/25 01:50	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/11/25 01:50	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/11/25 01:50	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/11/25 01:50	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/11/25 01:50	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/11/25 01:50	1
Chloroform	<3.00		3.00	1.30	ug/L			06/11/25 01:50	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/11/25 01:50	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/11/25 01:50	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/11/25 01:50	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/11/25 01:50	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/11/25 01:50	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/11/25 01:50	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/11/25 01:50	1
Styrene	<1.00		1.00	0.370	ug/L			06/11/25 01:50	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/11/25 01:50	1
Toluene	<1.00		1.00	0.430	ug/L			06/11/25 01:50	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/11/25 01:50	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/11/25 01:50	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/11/25 01:50	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/11/25 01:50	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/11/25 01:50	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/11/25 01:50	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/11/25 01:50	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/11/25 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*76 - 130*		*06/11/25 01:50*	*1*

Client Sample ID: UD-4
Date Collected: 06/05/25 18:45
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-10
Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/11/25 01:50*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/11/25 01:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		06/12/25 09:25	06/23/25 18:49	1
Arsenic	**0.0226**		0.00200	0.000530	mg/L		06/12/25 09:25	06/23/25 18:49	1
Barium	**0.295**		0.00200	0.000660	mg/L		06/12/25 09:25	06/24/25 13:52	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/12/25 09:25	06/23/25 18:49	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/12/25 09:25	06/23/25 18:49	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/12/25 09:25	06/23/25 18:49	1
Cobalt	**0.000440**	**J**	0.000500	0.000170	mg/L		06/12/25 09:25	06/23/25 18:49	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/12/25 09:25	06/23/25 18:49	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/12/25 09:25	06/23/25 18:49	1
Nickel	<0.00500		0.00500	0.00230	mg/L		06/12/25 09:25	06/23/25 18:49	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/12/25 09:25	06/23/25 18:49	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		06/12/25 09:25	06/23/25 18:49	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/12/25 09:25	06/23/25 18:49	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/12/25 09:25	06/23/25 18:49	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/12/25 09:25	06/23/25 18:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**42.0**		15.0	10.5	mg/L			06/09/25 15:45	1

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: MW-DA
Date Collected: 06/05/25 12:27
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-11
Matrix: Ground Water

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	0.380	ug/L			06/11/25 02:13	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/11/25 02:13	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/11/25 02:13	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/11/25 02:13	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/11/25 02:13	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/11/25 02:13	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/11/25 02:13	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/11/25 02:13	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/11/25 02:13	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/11/25 02:13	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/11/25 02:13	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/11/25 02:13	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/11/25 02:13	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/11/25 02:13	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/11/25 02:13	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/11/25 02:13	1
Acetone	**4.71**	**J**	10.0	3.10	ug/L			06/11/25 02:13	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/11/25 02:13	1
Benzene	<0.500		0.500	0.220	ug/L			06/11/25 02:13	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/11/25 02:13	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/11/25 02:13	1
Bromoform	<5.00		5.00	0.780	ug/L			06/11/25 02:13	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/11/25 02:13	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/11/25 02:13	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/11/25 02:13	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/11/25 02:13	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/11/25 02:13	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/11/25 02:13	1
Chloroform	<3.00		3.00	1.30	ug/L			06/11/25 02:13	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/11/25 02:13	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/11/25 02:13	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/11/25 02:13	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/11/25 02:13	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/11/25 02:13	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/11/25 02:13	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/11/25 02:13	1
Styrene	<1.00		1.00	0.370	ug/L			06/11/25 02:13	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/11/25 02:13	1
Toluene	<1.00		1.00	0.430	ug/L			06/11/25 02:13	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/11/25 02:13	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/11/25 02:13	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/11/25 02:13	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/11/25 02:13	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/11/25 02:13	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/11/25 02:13	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/11/25 02:13	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/11/25 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*76 - 130*		*06/11/25 02:13*	*1*

Client Sample ID: MW-DA
Date Collected: 06/05/25 12:27
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-11
Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/11/25 02:13*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/11/25 02:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		06/12/25 09:25	06/23/25 18:52	1
Arsenic	**0.00174**	**J**	0.00200	0.000530	mg/L		06/12/25 09:25	06/23/25 18:52	1
Barium	**0.130**		0.00200	0.000660	mg/L		06/12/25 09:25	06/24/25 13:55	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/12/25 09:25	06/23/25 18:52	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/12/25 09:25	06/23/25 18:52	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/12/25 09:25	06/23/25 18:52	1
Cobalt	**0.00350**		0.000500	0.000170	mg/L		06/12/25 09:25	06/23/25 18:52	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/12/25 09:25	06/23/25 18:52	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/12/25 09:25	06/23/25 18:52	1
Nickel	**0.00440**	**J**	0.00500	0.00230	mg/L		06/12/25 09:25	06/23/25 18:52	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/12/25 09:25	06/23/25 18:52	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		06/12/25 09:25	06/23/25 18:52	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/12/25 09:25	06/23/25 18:52	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/12/25 09:25	06/23/25 18:52	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/12/25 09:25	06/23/25 18:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**4.00**		1.88	1.31	mg/L			06/09/25 15:45	1

Client Sample ID: Trip Blank 1
Date Collected: 06/05/25 00:00
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-12
Matrix: Water

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	0.380	ug/L			06/10/25 20:57	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 20:57	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 20:57	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 20:57	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 20:57	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 20:57	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 20:57	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 20:57	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 20:57	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 20:57	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 20:57	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 20:57	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 20:57	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 20:57	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 20:57	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 20:57	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 20:57	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 20:57	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 20:57	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 20:57	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 20:57	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 20:57	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 20:57	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 20:57	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 20:57	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 20:57	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 20:57	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 20:57	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 20:57	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 20:57	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 20:57	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 20:57	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 20:57	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 20:57	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 20:57	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 20:57	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 20:57	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 20:57	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 20:57	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 20:57	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 20:57	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 20:57	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 20:57	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 20:57	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 20:57	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 20:57	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*76 - 130*		*06/10/25 20:57*	*1*

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: Trip Blank 1
Date Collected: 06/05/25 00:00
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-12
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/10/25 20:57*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/10/25 20:57*	*1*

Client Sample ID: Trip Blank 2
Date Collected: 06/05/25 00:00
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-13
Matrix: Water

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	0.380	ug/L			06/10/25 21:19	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 21:19	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 21:19	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 21:19	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 21:19	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 21:19	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 21:19	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 21:19	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 21:19	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 21:19	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 21:19	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 21:19	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 21:19	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 21:19	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 21:19	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 21:19	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 21:19	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 21:19	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 21:19	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 21:19	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 21:19	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 21:19	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 21:19	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 21:19	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 21:19	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 21:19	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 21:19	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 21:19	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 21:19	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 21:19	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 21:19	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 21:19	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 21:19	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 21:19	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 21:19	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 21:19	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 21:19	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 21:19	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 21:19	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 21:19	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 21:19	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 21:19	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 21:19	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 21:19	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 21:19	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 21:19	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*76 - 130*		*06/10/25 21:19*	*1*

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: Trip Blank 2
Date Collected: 06/05/25 00:00
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-13
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*93*		*80 - 120*		*06/10/25 21:19*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/10/25 21:19*	*1*

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: MW-30
Date Collected: 06/05/25 09:52
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		06/12/25 09:25	06/23/25 18:54	1
Barium	**0.102**		0.00200	0.000660	mg/L		06/12/25 09:25	06/24/25 13:58	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/12/25 09:25	06/23/25 18:54	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/12/25 09:25	06/23/25 18:54	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		06/12/25 09:25	06/23/25 18:54	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/12/25 09:25	06/23/25 18:54	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/12/25 09:25	06/23/25 18:54	1
Nickel	<0.00500		0.00500	0.00230	mg/L		06/12/25 09:25	06/23/25 18:54	1
Vanadium	**0.00191**	**J**	0.00500	0.00170	mg/L		06/12/25 09:25	06/23/25 18:54	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/12/25 09:25	06/23/25 18:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			06/09/25 15:45	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-308158-1	OP-14	113	90	101
310-308158-1 MS	OP-14	96	100	99
310-308158-1 MSD	OP-14	98	98	100
310-308158-2	OP-19	112	90	102
310-308158-3	MW-20AR	111	91	103
310-308158-4	MW-41	116	91	103
310-308158-6	MW-43	110	90	103
310-308158-7	MW-48	114	91	103
310-308158-8	MW-117	114	90	99
310-308158-9	MW-118	114	93	100
310-308158-10	UD-4	115	91	100
310-308158-11	MW-DA	115	91	101

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Groundwater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-308158-5	MW-42	115	92	105

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)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-308158-12	Trip Blank 1	114	91	100
310-308158-13	Trip Blank 2	111	93	101
LCS 310-457138/6	Lab Control Sample	98	102	100
LCS 310-457138/7	Lab Control Sample	109	92	103
MB 310-457138/5	Method Blank	109	91	106

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: SCS Engineers
Job ID: 310-308158-1
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA
SDG: Scott Area Landfill

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)							
		2FP	PHL	NBZ	FBP	TBP	TPHL		
Lab Sample ID	Client Sample ID	(21-110)	(21-110)	(39-140)	(33-126)	(20-144)	(13-150)		
310-308158-3	MW-20AR	63	57	94	85	78	101		

Surrogate Legend

2FP = 2-Fluorophenol (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)							
		2FP	PHL	NBZ	FBP	TBP	TPHL		
Lab Sample ID	Client Sample ID	(21-110)	(21-110)	(39-140)	(33-126)	(20-144)	(13-150)		
LCS 310-457250/2-A	Lab Control Sample	65	57	88	80	89	103		
LCSD 310-457250/3-A	Lab Control Sample Dup	62	56	84	74	86	97		
MB 310-457250/1-A	Method Blank	62	56	86	75	80	92		

Surrogate Legend

2FP = 2-Fluorophenol (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)							
		DCB1	TCX1						
Lab Sample ID	Client Sample ID	(10-150)	(17-150)						
310-308158-3	MW-20AR	79	86						

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)							
		DCB1	TCX1						
Lab Sample ID	Client Sample ID	(10-150)	(17-150)						
310-308158-3	MW-20AR	79	86						
310-308158-3 MS	MW-20AR	68	73						
310-308158-3 MSD	MW-20AR	82	75						

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Surrogate Summary

Client: SCS Engineers
Job ID: 310-308158-1
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA
SDG: Scott Area Landfill

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		DCB1	TCX1								
Lab Sample ID	Client Sample ID	(10-150)	(17-150)								
LCS 310-457438/25-A	Lab Control Sample	66	60								

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

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

Lab Sample ID: MB 310-457138/5
Matrix: Water
Analysis Batch: 457138

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	0.380	ug/L			06/10/25 19:49	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 19:49	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 19:49	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 19:49	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 19:49	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 19:49	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			06/10/25 19:49	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 19:49	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			06/10/25 19:49	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 19:49	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 19:49	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 19:49	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 19:49	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 19:49	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			06/10/25 19:49	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			06/10/25 19:49	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 19:49	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			06/10/25 19:49	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 19:49	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 19:49	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 19:49	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 19:49	1
Acrolein	<10.0		10.0	3.60	ug/L			06/10/25 19:49	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 19:49	1
Allyl chloride	<2.00		2.00	0.700	ug/L			06/10/25 19:49	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 19:49	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 19:49	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 19:49	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 19:49	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 19:49	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 19:49	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 19:49	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 19:49	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 19:49	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 19:49	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 19:49	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 19:49	1
Chloroprene	<1.00		1.00	0.230	ug/L			06/10/25 19:49	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 19:49	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 19:49	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 19:49	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			06/10/25 19:49	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			06/10/25 19:49	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 19:49	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 19:49	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			06/10/25 19:49	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			06/10/25 19:49	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 19:49	1

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

Lab Sample ID: MB 310-457138/5
Matrix: Water
Analysis Batch: 457138

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<5.00		5.00	3.00	ug/L			06/10/25 19:49	1
Propionitrile	<10.0		10.0	3.40	ug/L			06/10/25 19:49	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 19:49	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 19:49	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 19:49	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 19:49	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 19:49	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 19:49	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 19:49	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 19:49	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 19:49	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 19:49	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 19:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*76 - 130*		*06/10/25 19:49*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/10/25 19:49*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*06/10/25 19:49*	*1*

Lab Sample ID: LCS 310-457138/6
Matrix: Water
Analysis Batch: 457138

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	20.07		ug/L		100	70 - 121
1,1,1-Trichloroethane	20.0	21.15		ug/L		106	69 - 130
1,1,2,2-Tetrachloroethane	20.0	19.45		ug/L		97	70 - 122
1,1,2-Trichloroethane	20.0	20.65		ug/L		103	75 - 121
1,1-Dichloroethane	20.0	20.33		ug/L		102	69 - 127
1,1-Dichloroethene	20.0	22.07		ug/L		110	64 - 134
1,1-Dichloropropene	20.0	22.63		ug/L		113	70 - 133
1,2,3-Trichloropropane	20.0	19.51		ug/L		98	70 - 122
1,2,4-Trichlorobenzene	20.0	20.65		ug/L		103	69 - 125
1,2-Dibromo-3-chloropropane	20.0	17.50		ug/L		87	62 - 132
1,2-Dibromoethane (EDB)	20.0	20.94		ug/L		105	74 - 122
1,2-Dichlorobenzene	20.0	20.01		ug/L		100	74 - 120
1,2-Dichloroethane	20.0	19.59		ug/L		98	68 - 125
1,2-Dichloropropane	20.0	21.77		ug/L		109	72 - 128
1,3-Dichlorobenzene	20.0	20.12		ug/L		101	71 - 120
1,3-Dichloropropane	20.0	21.33		ug/L		107	72 - 125
1,4-Dichlorobenzene	20.0	19.41		ug/L		97	72 - 120
2,2-Dichloropropane	20.0	19.72		ug/L		99	51 - 146
2-Butanone (MEK)	40.0	39.17		ug/L		98	60 - 134
2-Hexanone	40.0	37.10		ug/L		93	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	37.73		ug/L		94	62 - 136
Acetone	40.0	41.84		ug/L		105	59 - 136
Acrolein	94.8	97.56		ug/L		103	50 - 150
Acrylonitrile	200	206.9		ug/L		103	50 - 150

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

Lab Sample ID: LCS 310-457138/6
Matrix: Water
Analysis Batch: 457138

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Allyl chloride	20.0	19.35		ug/L		97	61 - 136
Benzene	20.0	21.03		ug/L		105	71 - 125
Bromochloromethane	20.0	22.28		ug/L		111	69 - 131
Bromodichloromethane	20.0	19.80		ug/L		99	70 - 122
Bromoform	20.0	17.19		ug/L		86	62 - 122
Carbon disulfide	20.0	21.66		ug/L		108	58 - 137
Carbon tetrachloride	20.0	21.36		ug/L		107	63 - 136
Chlorobenzene	20.0	20.79		ug/L		104	74 - 120
Chlorodibromomethane	20.0	17.54		ug/L		88	69 - 121
Chloroform	20.0	19.64		ug/L		98	72 - 122
Chloroprene	20.0	22.47		ug/L		112	67 - 136
cis-1,2-Dichloroethene	20.0	21.19		ug/L		106	72 - 123
cis-1,3-Dichloropropene	20.0	17.46		ug/L		87	72 - 123
Dibromomethane	20.0	19.78		ug/L		99	72 - 122
Ethyl methacrylate	20.0	19.58		ug/L		98	68 - 128
Ethylbenzene	20.0	20.92		ug/L		105	75 - 120
Iodomethane	20.0	17.91		ug/L		90	18 - 150
Methacrylonitrile	200	208.4		ug/L		104	67 - 128
Methyl methacrylate	40.0	40.63		ug/L		102	69 - 129
Methylene chloride	20.0	23.42		ug/L		117	72 - 128
Naphthalene	20.0	20.34		ug/L		102	69 - 126
Propionitrile	200	208.3		ug/L		104	68 - 131
Styrene	20.0	21.66		ug/L		108	74 - 122
Tetrachloroethene	20.0	22.15		ug/L		111	70 - 128
Toluene	20.0	20.83		ug/L		104	74 - 120
trans-1,2-Dichloroethene	20.0	21.80		ug/L		109	67 - 127
trans-1,3-Dichloropropene	20.0	16.31		ug/L		82	67 - 123
trans-1,4-Dichloro-2-butene	20.0	17.90		ug/L		90	50 - 150
Trichloroethene	20.0	21.41		ug/L		107	70 - 128
Vinyl acetate	40.0	36.62		ug/L		92	50 - 150
Xylenes, Total	40.0	43.07		ug/L		108	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*76 - 130*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: LCS 310-457138/7
Matrix: Water
Analysis Batch: 457138

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	16.71		ug/L		84	33 - 138
Chloroethane	20.0	16.88		ug/L		84	59 - 139
Chloromethane	20.0	18.07		ug/L		90	52 - 146
Dichlorodifluoromethane	20.0	16.40		ug/L		82	45 - 150
Trichlorofluoromethane	20.0	17.23		ug/L		86	55 - 150
Vinyl chloride	20.0	17.33		ug/L		87	60 - 142

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

Lab Sample ID: LCS 310-457138/7
Matrix: Water
Analysis Batch: 457138

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	109		76 - 130
Toluene-d8 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120

Lab Sample ID: 310-308158-1 MS
Matrix: Ground Water
Analysis Batch: 457138

Client Sample ID: OP-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<1.00		25.0	23.55		ug/L		94	55 - 121
1,1,1-Trichloroethane	<1.00		25.0	23.22		ug/L		93	53 - 130
1,1,2,2-Tetrachloroethane	<1.00		25.0	23.75		ug/L		95	55 - 123
1,1,2-Trichloroethane	<1.00		25.0	25.56		ug/L		102	60 - 121
1,1-Dichloroethane	<1.00		25.0	22.70		ug/L		91	53 - 127
1,1-Dichloroethene	<2.00		25.0	24.32		ug/L		97	51 - 134
1,1-Dichloropropene	<1.00		25.0	25.72		ug/L		103	55 - 133
1,2,3-Trichloropropane	<1.00		25.0	23.98		ug/L		96	56 - 122
1,2,4-Trichlorobenzene	<5.00		25.0	25.58		ug/L		102	55 - 126
1,2-Dibromo-3-chloropropane	<5.00		25.0	22.39		ug/L		90	44 - 138
1,2-Dibromoethane (EDB)	<1.00		25.0	25.01		ug/L		100	60 - 122
1,2-Dichlorobenzene	<1.00		25.0	24.01		ug/L		96	60 - 120
1,2-Dichloroethane	<1.00		25.0	22.31		ug/L		89	48 - 128
1,2-Dichloropropane	<1.00		25.0	25.44		ug/L		102	59 - 128
1,3-Dichlorobenzene	<1.00		25.0	23.86		ug/L		95	58 - 120
1,3-Dichloropropane	<1.00		25.0	24.98		ug/L		100	58 - 125
1,4-Dichlorobenzene	<1.00		25.0	22.93		ug/L		92	58 - 120
2,2-Dichloropropane	<4.00		25.0	20.54		ug/L		82	34 - 146
2-Butanone (MEK)	<10.0		50.0	50.88		ug/L		102	46 - 134
2-Hexanone	<10.0		50.0	48.70		ug/L		97	46 - 141
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	47.86		ug/L		96	49 - 138
Acetone	<10.0		50.0	48.79		ug/L		98	39 - 141
Acrolein	<10.0		119	120.5		ug/L		102	39 - 150
Acrylonitrile	<5.00		250	254.0		ug/L		102	41 - 150
Allyl chloride	<2.00		25.0	20.84		ug/L		83	47 - 136
Benzene	<0.500		25.0	24.14		ug/L		97	48 - 125
Bromochloromethane	<5.00		25.0	25.80		ug/L		103	55 - 131
Bromodichloromethane	<1.00		25.0	23.33		ug/L		93	53 - 122
Bromoform	<5.00		25.0	21.66		ug/L		87	47 - 122
Carbon disulfide	<1.00		25.0	26.86		ug/L		107	45 - 137
Carbon tetrachloride	<2.00		25.0	23.49		ug/L		94	45 - 136
Chlorobenzene	<1.00		25.0	23.32		ug/L		93	59 - 120
Chlorodibromomethane	<5.00		25.0	20.77		ug/L		83	53 - 121
Chloroform	<3.00		25.0	21.99		ug/L		88	52 - 122
Chloroprene	<1.00		25.0	24.93		ug/L		100	48 - 136
cis-1,2-Dichloroethene	<1.00		25.0	23.65		ug/L		95	51 - 123
cis-1,3-Dichloropropene	<5.00		25.0	19.93		ug/L		80	55 - 123
Dibromomethane	<1.00		25.0	23.98		ug/L		96	57 - 122
Ethyl methacrylate	<2.00		25.0	23.79		ug/L		95	53 - 129

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

Lab Sample ID: 310-308158-1 MS
Matrix: Ground Water
Analysis Batch: 457138

Client Sample ID: OP-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<1.00		25.0	23.90		ug/L		96	53 - 120
Iodomethane	<10.0		25.0	22.40		ug/L		90	18 - 150
Methacrylonitrile	<10.0		250	255.3		ug/L		102	53 - 128
Methyl methacrylate	<2.00		50.0	50.91		ug/L		102	48 - 137
Methylene chloride	<5.00		25.0	26.67		ug/L		107	59 - 128
Naphthalene	<5.00		25.0	25.58		ug/L		102	45 - 144
Propionitrile	<10.0		250	253.2		ug/L		101	56 - 131
Styrene	<1.00		25.0	24.97		ug/L		100	50 - 125
Tetrachloroethene	<1.00		25.0	24.87		ug/L		99	51 - 128
Toluene	<1.00		25.0	23.30		ug/L		93	52 - 120
trans-1,2-Dichloroethene	<1.00		25.0	24.31		ug/L		97	53 - 127
trans-1,3-Dichloropropene	<5.00		25.0	18.90		ug/L		76	50 - 123
trans-1,4-Dichloro-2-butene	<10.0		25.0	21.27		ug/L		85	28 - 150
Trichloroethene	<1.00		25.0	24.32		ug/L		97	50 - 128
Vinyl acetate	<10.0		50.0	40.38		ug/L		81	31 - 150
Xylenes, Total	<3.00		50.0	48.65		ug/L		97	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*76 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: 310-308158-1 MSD
Matrix: Ground Water
Analysis Batch: 457138

Client Sample ID: OP-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<1.00		25.0	22.56		ug/L		90	55 - 121	4	20
1,1,1-Trichloroethane	<1.00		25.0	22.64		ug/L		91	53 - 130	3	20
1,1,2,2-Tetrachloroethane	<1.00		25.0	23.45		ug/L		94	55 - 123	1	20
1,1,2-Trichloroethane	<1.00		25.0	24.58		ug/L		98	60 - 121	4	20
1,1-Dichloroethane	<1.00		25.0	22.59		ug/L		90	53 - 127	1	20
1,1-Dichloroethene	<2.00		25.0	22.62		ug/L		90	51 - 134	7	20
1,1-Dichloropropene	<1.00		25.0	24.86		ug/L		99	55 - 133	3	20
1,2,3-Trichloropropane	<1.00		25.0	23.23		ug/L		93	56 - 122	3	21
1,2,4-Trichlorobenzene	<5.00		25.0	26.43		ug/L		106	55 - 126	3	20
1,2-Dibromo-3-chloropropane	<5.00		25.0	23.23		ug/L		93	44 - 138	4	24
1,2-Dibromoethane (EDB)	<1.00		25.0	25.11		ug/L		100	60 - 122	0	20
1,2-Dichlorobenzene	<1.00		25.0	23.98		ug/L		96	60 - 120	0	20
1,2-Dichloroethane	<1.00		25.0	22.31		ug/L		89	48 - 128	0	20
1,2-Dichloropropane	<1.00		25.0	24.81		ug/L		99	59 - 128	3	20
1,3-Dichlorobenzene	<1.00		25.0	23.54		ug/L		94	58 - 120	1	20
1,3-Dichloropropane	<1.00		25.0	24.97		ug/L		100	58 - 125	0	20
1,4-Dichlorobenzene	<1.00		25.0	23.44		ug/L		94	58 - 120	2	20
2,2-Dichloropropane	<4.00		25.0	20.46		ug/L		82	34 - 146	0	20
2-Butanone (MEK)	<10.0		50.0	52.51		ug/L		105	46 - 134	3	23
2-Hexanone	<10.0		50.0	48.20		ug/L		96	46 - 141	1	20
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	47.72		ug/L		95	49 - 138	0	20

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

Lab Sample ID: 310-308158-1 MSD
Matrix: Ground Water
Analysis Batch: 457138

Client Sample ID: OP-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	<10.0		50.0	52.86		ug/L		106	39 - 141	8	23
Acrolein	<10.0		119	123.3		ug/L		104	39 - 150	2	33
Acrylonitrile	<5.00		250	256.9		ug/L		103	41 - 150	1	20
Allyl chloride	<2.00		25.0	20.18		ug/L		81	47 - 136	3	33
Benzene	<0.500		25.0	23.59		ug/L		94	48 - 125	2	20
Bromochloromethane	<5.00		25.0	24.68		ug/L		99	55 - 131	4	21
Bromodichloromethane	<1.00		25.0	22.81		ug/L		91	53 - 122	2	20
Bromoform	<5.00		25.0	21.48		ug/L		86	47 - 122	1	20
Carbon disulfide	<1.00		25.0	23.10		ug/L		92	45 - 137	15	24
Carbon tetrachloride	<2.00		25.0	22.99		ug/L		92	45 - 136	2	20
Chlorobenzene	<1.00		25.0	22.21		ug/L		89	59 - 120	5	20
Chlorodibromomethane	<5.00		25.0	20.45		ug/L		82	53 - 121	2	20
Chloroform	<3.00		25.0	21.75		ug/L		87	52 - 122	1	20
Chloroprene	<1.00		25.0	24.66		ug/L		99	48 - 136	1	20
cis-1,2-Dichloroethene	<1.00		25.0	23.06		ug/L		92	51 - 123	3	20
cis-1,3-Dichloropropene	<5.00		25.0	19.28		ug/L		77	55 - 123	3	20
Dibromomethane	<1.00		25.0	23.52		ug/L		94	57 - 122	2	20
Ethyl methacrylate	<2.00		25.0	24.16		ug/L		97	53 - 129	2	20
Ethylbenzene	<1.00		25.0	22.85		ug/L		91	53 - 120	5	20
Iodomethane	<10.0		25.0	24.54		ug/L		98	18 - 150	9	32
Methacrylonitrile	<10.0		250	259.7		ug/L		104	53 - 128	2	20
Methyl methacrylate	<2.00		50.0	51.22		ug/L		102	48 - 137	1	20
Methylene chloride	<5.00		25.0	25.61		ug/L		102	59 - 128	4	20
Naphthalene	<5.00		25.0	27.53		ug/L		110	45 - 144	7	32
Propionitrile	<10.0		250	261.6		ug/L		105	56 - 131	3	20
Styrene	<1.00		25.0	24.14		ug/L		97	50 - 125	3	20
Tetrachloroethene	<1.00		25.0	23.79		ug/L		95	51 - 128	4	20
Toluene	<1.00		25.0	22.48		ug/L		90	52 - 120	4	20
trans-1,2-Dichloroethene	<1.00		25.0	23.61		ug/L		94	53 - 127	3	20
trans-1,3-Dichloropropene	<5.00		25.0	18.49		ug/L		74	50 - 123	2	20
trans-1,4-Dichloro-2-butene	<10.0		25.0	21.79		ug/L		87	28 - 150	2	24
Trichloroethene	<1.00		25.0	23.50		ug/L		94	50 - 128	3	20
Vinyl acetate	<10.0		50.0	43.74		ug/L		87	31 - 150	8	25
Xylenes, Total	<3.00		50.0	46.82		ug/L		94	50 - 122	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*76 - 130*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 310-457250/1-A
Matrix: Water
Analysis Batch: 457998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 457250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		06/11/25 12:12	06/18/25 13:59	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		06/11/25 12:12	06/18/25 13:59	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-457250/1-A
Matrix: Water
Analysis Batch: 457998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 457250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		06/11/25 12:12	06/18/25 13:59	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		06/11/25 12:12	06/18/25 13:59	1
1,4-Phenylenediamine	<10.0		10.0	1.90	ug/L		06/11/25 12:12	06/18/25 13:59	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		06/11/25 12:12	06/18/25 13:59	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		06/11/25 12:12	06/18/25 13:59	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		06/11/25 12:12	06/18/25 13:59	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		06/11/25 12:12	06/18/25 13:59	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		06/11/25 12:12	06/18/25 13:59	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		06/11/25 12:12	06/18/25 13:59	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		06/11/25 12:12	06/18/25 13:59	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		06/11/25 12:12	06/18/25 13:59	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		06/11/25 12:12	06/18/25 13:59	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		06/11/25 12:12	06/18/25 13:59	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		06/11/25 12:12	06/18/25 13:59	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		06/11/25 12:12	06/18/25 13:59	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		06/11/25 12:12	06/18/25 13:59	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		06/11/25 12:12	06/18/25 13:59	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		06/11/25 12:12	06/18/25 13:59	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		06/11/25 12:12	06/18/25 13:59	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		06/11/25 12:12	06/18/25 13:59	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		06/11/25 12:12	06/18/25 13:59	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		06/11/25 12:12	06/18/25 13:59	1
3,3'-Dimethylbenzidine	<10.0		10.0	1.50	ug/L		06/11/25 12:12	06/18/25 13:59	1
3-Methylcholanthrene	<10.0		10.0	0.320	ug/L		06/11/25 12:12	06/18/25 13:59	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		06/11/25 12:12	06/18/25 13:59	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		06/11/25 12:12	06/18/25 13:59	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		06/11/25 12:12	06/18/25 13:59	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		06/11/25 12:12	06/18/25 13:59	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		06/11/25 12:12	06/18/25 13:59	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		06/11/25 12:12	06/18/25 13:59	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		06/11/25 12:12	06/18/25 13:59	1
4-Methylphenol (and/or 3-Methylphenol)	<10.0		10.0	0.700	ug/L		06/11/25 12:12	06/18/25 13:59	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		06/11/25 12:12	06/18/25 13:59	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		06/11/25 12:12	06/18/25 13:59	1
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		06/11/25 12:12	06/18/25 13:59	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0	1.90	ug/L		06/11/25 12:12	06/18/25 13:59	1
Acenaphthene	<10.0		10.0	0.640	ug/L		06/11/25 12:12	06/18/25 13:59	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		06/11/25 12:12	06/18/25 13:59	1
Acetophenone	<10.0		10.0	0.690	ug/L		06/11/25 12:12	06/18/25 13:59	1
Anthracene	<10.0		10.0	0.870	ug/L		06/11/25 12:12	06/18/25 13:59	1
Benzo(a)anthracene	<10.0		10.0	0.850	ug/L		06/11/25 12:12	06/18/25 13:59	1
Benzo(a)pyrene	<10.0		10.0	8.10	ug/L		06/11/25 12:12	06/18/25 13:59	1
Benzo(b)fluoranthene	<10.0		10.0	4.90	ug/L		06/11/25 12:12	06/18/25 13:59	1
Benzo(g,h,i)perylene	<10.0		10.0	6.30	ug/L		06/11/25 12:12	06/18/25 13:59	1
Benzo(k)fluoranthene	<10.0		10.0	2.20	ug/L		06/11/25 12:12	06/18/25 13:59	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		06/11/25 12:12	06/18/25 13:59	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		06/11/25 12:12	06/18/25 13:59	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		06/11/25 12:12	06/18/25 13:59	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-457250/1-A
Matrix: Water
Analysis Batch: 457998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 457250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis(2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		06/11/25 12:12	06/18/25 13:59	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		06/11/25 12:12	06/18/25 13:59	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		06/11/25 12:12	06/18/25 13:59	1
Chlorobenzilate	<10.0		10.0	3.60	ug/L		06/11/25 12:12	06/18/25 13:59	1
Chrysene	<10.0		10.0	0.870	ug/L		06/11/25 12:12	06/18/25 13:59	1
Diallate	<10.0		10.0	4.00	ug/L		06/11/25 12:12	06/18/25 13:59	1
Dibenz(a,h)anthracene	<10.0		10.0	3.90	ug/L		06/11/25 12:12	06/18/25 13:59	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		06/11/25 12:12	06/18/25 13:59	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		06/11/25 12:12	06/18/25 13:59	1
Dimethoate	<10.0		10.0	3.60	ug/L		06/11/25 12:12	06/18/25 13:59	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		06/11/25 12:12	06/18/25 13:59	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		06/11/25 12:12	06/18/25 13:59	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		06/11/25 12:12	06/18/25 13:59	1
Diphenylamine	<10.0		10.0	6.00	ug/L		06/11/25 12:12	06/18/25 13:59	1
Disulfoton	<10.0		10.0	2.40	ug/L		06/11/25 12:12	06/18/25 13:59	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		06/11/25 12:12	06/18/25 13:59	1
Ethyl parathion	<10.0		10.0	2.20	ug/L		06/11/25 12:12	06/18/25 13:59	1
Famphur	<10.0		10.0	3.80	ug/L		06/11/25 12:12	06/18/25 13:59	1
Fluoranthene	<10.0		10.0	1.70	ug/L		06/11/25 12:12	06/18/25 13:59	1
Fluorene	<10.0		10.0	0.790	ug/L		06/11/25 12:12	06/18/25 13:59	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		06/11/25 12:12	06/18/25 13:59	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		06/11/25 12:12	06/18/25 13:59	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		06/11/25 12:12	06/18/25 13:59	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		06/11/25 12:12	06/18/25 13:59	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		06/11/25 12:12	06/18/25 13:59	1
Indeno(1,2,3-cd)pyrene	<10.0		10.0	4.20	ug/L		06/11/25 12:12	06/18/25 13:59	1
Isodrin	<10.0		10.0	4.70	ug/L		06/11/25 12:12	06/18/25 13:59	1
Isophorone	<10.0		10.0	0.930	ug/L		06/11/25 12:12	06/18/25 13:59	1
Isosafrole	<10.0		10.0	2.30	ug/L		06/11/25 12:12	06/18/25 13:59	1
Kepone	<10.0		10.0	1.00	ug/L		06/11/25 12:12	06/18/25 13:59	1
Methapyrilene	<10.0		10.0	0.760	ug/L		06/11/25 12:12	06/18/25 13:59	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		06/11/25 12:12	06/18/25 13:59	1
Methyl parathion	<10.0		10.0	2.30	ug/L		06/11/25 12:12	06/18/25 13:59	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		06/11/25 12:12	06/18/25 13:59	1
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		06/11/25 12:12	06/18/25 13:59	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		06/11/25 12:12	06/18/25 13:59	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		06/11/25 12:12	06/18/25 13:59	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		06/11/25 12:12	06/18/25 13:59	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		06/11/25 12:12	06/18/25 13:59	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		06/11/25 12:12	06/18/25 13:59	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		06/11/25 12:12	06/18/25 13:59	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		06/11/25 12:12	06/18/25 13:59	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		06/11/25 12:12	06/18/25 13:59	1
o-Toluidine	<10.0		10.0	2.90	ug/L		06/11/25 12:12	06/18/25 13:59	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		06/11/25 12:12	06/18/25 13:59	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		06/11/25 12:12	06/18/25 13:59	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		06/11/25 12:12	06/18/25 13:59	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		06/11/25 12:12	06/18/25 13:59	1
Phenacetin	<10.0		10.0	1.90	ug/L		06/11/25 12:12	06/18/25 13:59	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-457250/1-A
Matrix: Water
Analysis Batch: 457998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 457250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	<10.0		10.0	0.790	ug/L		06/11/25 12:12	06/18/25 13:59	1
Phenol	<10.0		10.0	1.10	ug/L		06/11/25 12:12	06/18/25 13:59	1
Phorate	<10.0		10.0	3.20	ug/L		06/11/25 12:12	06/18/25 13:59	1
Pronamide	<10.0		10.0	2.70	ug/L		06/11/25 12:12	06/18/25 13:59	1
Pyrene	<10.0		10.0	0.790	ug/L		06/11/25 12:12	06/18/25 13:59	1
Safrole	<10.0		10.0	2.80	ug/L		06/11/25 12:12	06/18/25 13:59	1
Thionazin	<10.0		10.0	3.50	ug/L		06/11/25 12:12	06/18/25 13:59	1
Dinoseb	<10.0		10.0	2.40	ug/L		06/11/25 12:12	06/18/25 13:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*62*		*21 - 110*	*06/11/25 12:12*	*06/18/25 13:59*	*1*
Phenol-d5 (Surr)	*56*		*21 - 110*	*06/11/25 12:12*	*06/18/25 13:59*	*1*
Nitrobenzene-d5 (Surr)	*86*		*39 - 140*	*06/11/25 12:12*	*06/18/25 13:59*	*1*
2-Fluorobiphenyl (Surr)	*75*		*33 - 126*	*06/11/25 12:12*	*06/18/25 13:59*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*20 - 144*	*06/11/25 12:12*	*06/18/25 13:59*	*1*
Terphenyl-d14 (Surr)	*92*		*13 - 150*	*06/11/25 12:12*	*06/18/25 13:59*	*1*

Lab Sample ID: LCS 310-457250/2-A
Matrix: Water
Analysis Batch: 457998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 457250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4,5-Tetrachlorobenzene	100	65.55		ug/L		66	35 - 110
1,3,5-Trinitrobenzene	51.2	41.12		ug/L		80	26 - 150
1,3-Dinitrobenzene	100	40.80		ug/L		41	36 - 147
1,4-Naphthoquinone	51.2	59.14		ug/L		116	38 - 137
1,4-Phenylenediamine	51.2	<10.0	*-	ug/L		0	20 - 120
1-Naphthylamine	51.2	12.36		ug/L		24	10 - 110
2,3,4,6-Tetrachlorophenol	100	90.30		ug/L		90	32 - 142
2,4,5-Trichlorophenol	100	81.97		ug/L		82	39 - 136
2,4,6-Trichlorophenol	100	84.93		ug/L		85	35 - 141
2,4-Dichlorophenol	100	86.22		ug/L		86	44 - 131
2,4-Dimethylphenol	100	84.44		ug/L		84	30 - 128
2,4-Dinitrophenol	200	108.0		ug/L		54	10 - 150
2,4-Dinitrotoluene	100	99.26		ug/L		99	48 - 136
2,6-Dichlorophenol	100	84.70		ug/L		85	41 - 131
2,6-Dinitrotoluene	100	90.99		ug/L		91	49 - 135
2-Acetylaminofluorene	51.2	36.61		ug/L		72	37 - 149
2-Chloronaphthalene	100	66.50		ug/L		67	33 - 112
2-Chlorophenol	100	80.38		ug/L		80	43 - 119
2-Methylnaphthalene	100	70.40		ug/L		70	35 - 110
2-Methylphenol	100	79.33		ug/L		79	47 - 114
2-Naphthylamine	51.2	40.76		ug/L		80	18 - 111
2-Nitroaniline	100	93.10		ug/L		93	48 - 135
2-Nitrophenol	100	90.08		ug/L		90	36 - 144
3,3'-Dimethylbenzidine	51.2	<10.0	*-	ug/L		1	10 - 147
3-Methylcholanthrene	51.2	39.63		ug/L		77	13 - 140
3-Nitroaniline	100	92.74		ug/L		93	38 - 142

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-457250/2-A
Matrix: Water
Analysis Batch: 457998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 457250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	200	172.5		ug/L		86	22 - 150
4-Aminobiphenyl	51.2	34.07		ug/L		67	23 - 123
4-Bromophenyl phenyl ether	100	81.05		ug/L		81	41 - 131
4-Chloro-3-methylphenol	100	90.62		ug/L		91	51 - 132
4-Chloroaniline	100	93.46		ug/L		93	13 - 143
4-Chlorophenyl phenyl ether	100	78.40		ug/L		78	44 - 118
4-Methylphenol (and/or 3-Methylphenol)	100	78.01		ug/L		78	45 - 114
4-Nitroaniline	100	98.98		ug/L		99	33 - 141
4-Nitrophenol	200	130.4		ug/L		65	22 - 110
5-Nitro-o-toluidine	51.2	52.59		ug/L		103	43 - 139
7,12-Dimethylbenz(a)anthracene	51.2	40.11		ug/L		78	47 - 129
Acenaphthene	100	76.83		ug/L		77	38 - 118
Acenaphthylene	100	76.69		ug/L		77	39 - 115
Acetophenone	100	83.17		ug/L		83	47 - 118
Anthracene	100	84.94		ug/L		85	49 - 127
Benzo(a)anthracene	100	88.05		ug/L		88	49 - 126
Benzo(a)pyrene	100	92.50		ug/L		93	44 - 133
Benzo(b)fluoranthene	100	89.39		ug/L		89	44 - 136
Benzo(g,h,i)perylene	100	90.98		ug/L		91	42 - 135
Benzo(k)fluoranthene	100	93.12		ug/L		93	49 - 134
Benzyl alcohol	100	77.64		ug/L		78	46 - 123
Bis(2-chloroethoxy)methane	100	84.41		ug/L		84	44 - 126
Bis(2-chloroethyl)ether	100	75.89		ug/L		76	41 - 116
bis(2-chloroisopropyl) ether	100	74.32		ug/L		74	36 - 115
Bis(2-ethylhexyl) phthalate	100	98.30		ug/L		98	46 - 138
Butyl benzyl phthalate	100	94.89		ug/L		95	47 - 133
Chlorobenzilate	51.2	51.27		ug/L		100	39 - 145
Chrysene	100	87.76		ug/L		88	50 - 128
Diallate	44.8	50.90		ug/L		114	40 - 135
Dibenz(a,h)anthracene	100	89.81		ug/L		90	36 - 146
Dibenzofuran	100	78.99		ug/L		79	44 - 114
Diethyl phthalate	100	90.88		ug/L		91	43 - 135
Dimethoate	44.8	63.99		ug/L		143	31 - 150
Dimethyl phthalate	100	86.55		ug/L		87	46 - 129
Di-n-butyl phthalate	100	93.27		ug/L		93	49 - 138
Di-n-octyl phthalate	100	73.76		ug/L		74	33 - 148
Diphenylamine	85.0	79.47		ug/L		93	43 - 132
Disulfoton	44.8	49.91		ug/L		111	27 - 138
Ethyl methanesulfonate	51.2	40.51		ug/L		79	44 - 110
Ethyl parathion	44.8	53.55		ug/L		120	52 - 141
Famphur	44.8	70.27	E *+	ug/L		157	67 - 150
Fluoranthene	100	90.33		ug/L		90	49 - 132
Fluorene	100	85.58		ug/L		86	46 - 118
Hexachlorobenzene	100	81.80		ug/L		82	42 - 134
Hexachlorobutadiene	100	62.41		ug/L		62	29 - 110
Hexachlorocyclopentadiene	100	57.11		ug/L		57	10 - 110
Hexachloroethane	100	54.89		ug/L		55	25 - 110
Hexachloropropene	51.2	26.91		ug/L		53	10 - 110

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-457250/2-A
Matrix: Water
Analysis Batch: 457998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 457250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Indeno(1,2,3-cd)pyrene	100	90.92		ug/L		91	36 - 149
Isodrin	51.2	43.19		ug/L		84	50 - 122
Isophorone	100	85.24		ug/L		85	46 - 126
Isosafrole	51.2	26.76		ug/L		52	10 - 129
Kepone	44.8	46.71		ug/L		104	10 - 150
Methapyrilene	44.8	4.601	J	ug/L		10	10 - 110
Methyl methanesulfonate	51.2	38.56		ug/L		75	16 - 110
Methyl parathion	44.8	57.98		ug/L		129	49 - 150
Nitrobenzene	100	80.78		ug/L		81	42 - 123
N-Nitrosodiethylamine	51.2	39.66		ug/L		77	51 - 116
N-Nitrosodimethylamine	100	68.90		ug/L		69	37 - 110
N-Nitrosodi-n-butylamine	51.2	48.51		ug/L		95	49 - 135
N-Nitrosodi-n-propylamine	100	85.62		ug/L		86	44 - 124
N-Nitrosodiphenylamine	100	94.28		ug/L		94	43 - 132
N-Nitrosomethylethylamine	51.2	41.93		ug/L		82	43 - 114
N-Nitrosopiperidine	51.2	46.40		ug/L		91	50 - 120
N-Nitrosopyrrolidine	51.2	45.38		ug/L		89	47 - 129
o,o',o''-Triethylphosphorothioate	44.8	43.69		ug/L		98	34 - 125
o-Toluidine	51.2	36.86		ug/L		72	19 - 128
p-Dimethylamino azobenzene	51.2	50.49		ug/L		99	45 - 133
Pentachlorobenzene	51.2	36.14		ug/L		71	27 - 112
Pentachloronitrobenzene	51.2	42.99		ug/L		84	45 - 132
Pentachlorophenol	200	157.3		ug/L		79	28 - 142
Phenacetin	51.2	52.70		ug/L		103	51 - 139
Phenanthrene	100	83.42		ug/L		83	48 - 126
Phenol	100	54.28		ug/L		54	29 - 110
Phorate	44.8	49.49		ug/L		110	21 - 147
Pronamide	51.2	52.01		ug/L		102	52 - 135
Pyrene	100	88.98		ug/L		89	45 - 134
Safrole	44.8	40.98		ug/L		91	26 - 117
Thionazin	44.8	55.47		ug/L		124	48 - 135
Dinoseb	51.2	44.14		ug/L		86	22 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*65*		*21 - 110*
Phenol-d5 (Surr)	*57*		*21 - 110*
Nitrobenzene-d5 (Surr)	*88*		*39 - 140*
2-Fluorobiphenyl (Surr)	*80*		*33 - 126*
2,4,6-Tribromophenol (Surr)	*89*		*20 - 144*
Terphenyl-d14 (Surr)	*103*		*13 - 150*

Lab Sample ID: LCSD 310-457250/3-A
Matrix: Water
Analysis Batch: 457998

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 457250

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene	100	58.60		ug/L		59	35 - 110	11	35
1,3,5-Trinitrobenzene	51.2	41.03		ug/L		80	26 - 150	0	29

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-457250/3-A
Matrix: Water
Analysis Batch: 457998

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 457250

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3-Dinitrobenzene	100	40.81		ug/L		41	36 - 147	0	35
1,4-Naphthoquinone	51.2	57.31		ug/L		112	38 - 137	3	27
1,4-Phenylenediamine	51.2	<10.0	*-	ug/L		0	20 - 120	NC	35
1-Naphthylamine	51.2	36.48	*1	ug/L		71	10 - 110	99	35
2,3,4,6-Tetrachlorophenol	100	85.47		ug/L		85	32 - 142	5	35
2,4,5-Trichlorophenol	100	79.35		ug/L		79	39 - 136	3	35
2,4,6-Trichlorophenol	100	83.81		ug/L		84	35 - 141	1	35
2,4-Dichlorophenol	100	83.01		ug/L		83	44 - 131	4	35
2,4-Dimethylphenol	100	84.52		ug/L		85	30 - 128	0	35
2,4-Dinitrophenol	200	118.7		ug/L		59	10 - 150	9	35
2,4-Dinitrotoluene	100	92.77		ug/L		93	48 - 136	7	35
2,6-Dichlorophenol	100	81.85		ug/L		82	41 - 131	3	35
2,6-Dinitrotoluene	100	87.63		ug/L		88	49 - 135	4	35
2-Acetylaminofluorene	51.2	38.36		ug/L		75	37 - 149	5	26
2-Chloronaphthalene	100	62.58		ug/L		63	33 - 112	6	35
2-Chlorophenol	100	80.54		ug/L		81	43 - 119	0	35
2-Methylnaphthalene	100	63.90		ug/L		64	35 - 110	10	35
2-Methylphenol	100	77.59		ug/L		78	47 - 114	2	35
2-Naphthylamine	51.2	48.80		ug/L		95	18 - 111	18	35
2-Nitroaniline	100	90.11		ug/L		90	48 - 135	3	35
2-Nitrophenol	100	86.48		ug/L		86	36 - 144	4	35
3,3'-Dimethylbenzidine	51.2	35.55	*1	ug/L		69	10 - 147	195	35
3-Methylcholanthrene	51.2	37.47		ug/L		73	13 - 140	6	35
3-Nitroaniline	100	91.44		ug/L		91	38 - 142	1	35
4,6-Dinitro-2-methylphenol	200	182.1		ug/L		91	22 - 150	5	35
4-Aminobiphenyl	51.2	45.37		ug/L		89	23 - 123	28	35
4-Bromophenyl phenyl ether	100	73.99		ug/L		74	41 - 131	9	35
4-Chloro-3-methylphenol	100	90.28		ug/L		90	51 - 132	0	35
4-Chloroaniline	100	94.23		ug/L		94	13 - 143	1	35
4-Chlorophenyl phenyl ether	100	75.54		ug/L		76	44 - 118	4	35
4-Methylphenol (and/or 3-Methylphenol)	100	77.95		ug/L		78	45 - 114	0	35
4-Nitroaniline	100	98.28		ug/L		98	33 - 141	1	35
4-Nitrophenol	200	139.2		ug/L		70	22 - 110	7	35
5-Nitro-o-toluidine	51.2	55.49		ug/L		108	43 - 139	5	32
7,12-Dimethylbenz(a)anthracene	51.2	41.26		ug/L		81	47 - 129	3	29
Acenaphthene	100	70.54		ug/L		71	38 - 118	9	35
Acenaphthylene	100	72.81		ug/L		73	39 - 115	5	35
Acetophenone	100	79.95		ug/L		80	47 - 118	4	35
Anthracene	100	83.33		ug/L		83	49 - 127	2	35
Benzo(a)anthracene	100	83.79		ug/L		84	49 - 126	5	35
Benzo(a)pyrene	100	89.91		ug/L		90	44 - 133	3	35
Benzo(b)fluoranthene	100	90.26		ug/L		90	44 - 136	1	35
Benzo(g,h,i)perylene	100	88.63		ug/L		89	42 - 135	3	35
Benzo(k)fluoranthene	100	91.09		ug/L		91	49 - 134	2	35
Benzyl alcohol	100	73.80		ug/L		74	46 - 123	5	35
Bis(2-chloroethoxy)methane	100	82.32		ug/L		82	44 - 126	3	35
Bis(2-chloroethyl)ether	100	70.21		ug/L		70	41 - 116	8	35
bis(2-chloroisopropyl) ether	100	69.08		ug/L		69	36 - 115	7	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-457250/3-A
Matrix: Water
Analysis Batch: 457998

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 457250

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	100	99.17		ug/L		99	46 - 138	1	35
Butyl benzyl phthalate	100	93.01		ug/L		93	47 - 133	2	35
Chlorobenzilate	51.2	48.61		ug/L		95	39 - 145	5	28
Chrysene	100	86.68		ug/L		87	50 - 128	1	35
Diallate	44.8	47.10		ug/L		105	40 - 135	8	29
Dibenz(a,h)anthracene	100	87.99		ug/L		88	36 - 146	2	35
Dibenzofuran	100	74.12		ug/L		74	44 - 114	6	35
Diethyl phthalate	100	89.70		ug/L		90	43 - 135	1	35
Dimethoate	44.8	60.42		ug/L		135	31 - 150	6	35
Dimethyl phthalate	100	83.73		ug/L		84	46 - 129	3	35
Di-n-butyl phthalate	100	90.90		ug/L		91	49 - 138	3	35
Di-n-octyl phthalate	100	73.13		ug/L		73	33 - 148	1	35
Diphenylamine	85.0	77.60		ug/L		91	43 - 132	2	35
Disulfoton	44.8	50.18		ug/L		112	27 - 138	1	32
Ethyl methanesulfonate	51.2	41.06		ug/L		80	44 - 110	1	30
Ethyl parathion	44.8	53.37		ug/L		119	52 - 141	0	30
Famphur	44.8	69.41	*+ E	ug/L		155	67 - 150	1	28
Fluoranthene	100	88.75		ug/L		89	49 - 132	2	35
Fluorene	100	80.81		ug/L		81	46 - 118	6	35
Hexachlorobenzene	100	74.61		ug/L		75	42 - 134	9	35
Hexachlorobutadiene	100	55.24		ug/L		55	29 - 110	12	35
Hexachlorocyclopentadiene	100	47.22		ug/L		47	10 - 110	19	35
Hexachloroethane	100	48.55		ug/L		49	25 - 110	12	35
Hexachloropropene	51.2	30.70		ug/L		60	10 - 110	13	35
Indeno(1,2,3-cd)pyrene	100	85.63		ug/L		86	36 - 149	6	35
Isodrin	51.2	40.89		ug/L		80	50 - 122	5	28
Isophorone	100	80.12		ug/L		80	46 - 126	6	35
Isosafrole	51.2	25.14		ug/L		49	10 - 129	6	35
Kepone	44.8	53.09		ug/L		119	10 - 150	13	35
Methapyrilene	44.8	12.35	*1	ug/L		28	10 - 110	91	35
Methyl methanesulfonate	51.2	39.17		ug/L		76	16 - 110	2	28
Methyl parathion	44.8	61.86		ug/L		138	49 - 150	6	29
Nitrobenzene	100	77.43		ug/L		77	42 - 123	4	35
N-Nitrosodiethylamine	51.2	38.13		ug/L		74	51 - 116	4	27
N-Nitrosodimethylamine	100	69.25		ug/L		69	37 - 110	0	35
N-Nitrosodi-n-butylamine	51.2	47.57		ug/L		93	49 - 135	2	28
N-Nitrosodi-n-propylamine	100	79.81		ug/L		80	44 - 124	7	35
N-Nitrosodiphenylamine	100	92.01		ug/L		92	43 - 132	2	35
N-Nitrosomethylethylamine	51.2	39.71		ug/L		78	43 - 114	5	29
N-Nitrosopiperidine	51.2	45.52		ug/L		89	50 - 120	2	26
N-Nitrosopyrrolidine	51.2	43.87		ug/L		86	47 - 129	3	31
o,o',o''-Triethylphosphorothioate	44.8	41.94		ug/L		94	34 - 125	4	33
o-Toluidine	51.2	38.31		ug/L		75	19 - 128	4	35
p-Dimethylamino azobenzene	51.2	50.68		ug/L		99	45 - 133	0	31
Pentachlorobenzene	51.2	36.11		ug/L		71	27 - 112	0	35
Pentachloronitrobenzene	51.2	38.48		ug/L		75	45 - 132	11	29
Pentachlorophenol	200	158.0		ug/L		79	28 - 142	0	35
Phenacetin	51.2	52.14		ug/L		102	51 - 139	1	29
Phenanthrene	100	80.12		ug/L		80	48 - 126	4	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-457250/3-A
Matrix: Water
Analysis Batch: 457998

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 457250

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenol			100	57.92		ug/L		58	29 - 110	6	35
Phorate			44.8	48.39		ug/L		108	21 - 147	2	35
Pronamide			51.2	51.91		ug/L		101	52 - 135	0	28
Pyrene			100	85.88		ug/L		86	45 - 134	4	35
Safrole			44.8	41.06		ug/L		92	26 - 117	0	35
Thionazin			44.8	53.41		ug/L		119	48 - 135	4	30
Dinoseb			51.2	44.94		ug/L		88	22 - 150	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*62*		*21 - 110*
Phenol-d5 (Surr)	*56*		*21 - 110*
Nitrobenzene-d5 (Surr)	*84*		*39 - 140*
2-Fluorobiphenyl (Surr)	*74*		*33 - 126*
2,4,6-Tribromophenol (Surr)	*86*		*20 - 144*
Terphenyl-d14 (Surr)	*97*		*13 - 150*

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Lab Sample ID: MB 310-457223/4
Matrix: Water
Analysis Batch: 457223

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			06/11/25 11:17	1
Isobutanol	<10.0		10.0	2.40	mg/L			06/11/25 11:17	1

Lab Sample ID: LCS 310-457223/5
Matrix: Water
Analysis Batch: 457223

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetonitrile			99.1	102.3		mg/L		103	67 - 131		
Isobutanol			95.5	103.8		mg/L		109	80 - 120		

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: LCS 310-457438/25-A
Matrix: Water
Analysis Batch: 457589

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 457438

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			27.8	26.11		ug/L		94	25 - 150		
PCB-1260			27.8	24.72		ug/L		89	14 - 150		

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

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 310-308158-3 MS
Matrix: Ground Water
Analysis Batch: 457589

Client Sample ID: MW-20AR
Prep Type: Total/NA
Prep Batch: 457438

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	<1.86		26.7	25.06		ug/L		94	25 - 150
PCB-1260	<1.86		26.7	20.24		ug/L		76	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*68*		*10 - 150*
Tetrachloro-m-xylene (Surr)	*73*		*17 - 150*

Lab Sample ID: 310-308158-3 MSD
Matrix: Ground Water
Analysis Batch: 457589

Client Sample ID: MW-20AR
Prep Type: Total/NA
Prep Batch: 457438

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<1.86		26.8	25.39		ug/L		95	25 - 150	1	35
PCB-1260	<1.86		26.8	22.80		ug/L		85	10 - 150	12	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*82*		*10 - 150*
Tetrachloro-m-xylene (Surr)	*75*		*17 - 150*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-656849/1-A
Matrix: Water
Analysis Batch: 657085

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 656849

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	<0.150		0.150	0.0650	ug/L		06/12/25 15:00	06/13/25 06:42	1
Silvex (2,4,5-TP)	<0.0500		0.0500	0.0220	ug/L		06/12/25 15:00	06/13/25 06:42	1
2,4-D	<0.600		0.600	0.250	ug/L		06/12/25 15:00	06/13/25 06:42	1

Lab Sample ID: LCS 410-656849/2-A
Matrix: Water
Analysis Batch: 657085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 656849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-T	0.400	0.3553		ug/L		89	57 - 171
2,4-D	2.00	1.775		ug/L		89	53 - 159

Lab Sample ID: LCSD 410-656849/3-A
Matrix: Water
Analysis Batch: 657085

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 656849

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T	0.400	0.2755		ug/L		69	57 - 171	25	30
2,4-D	2.00	1.284	*1	ug/L		64	53 - 159	32	30

Method: 8151A - Herbicides (GC) - DL

Lab Sample ID: LCS 410-656849/2-A
Matrix: Water
Analysis Batch: 657085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 656849

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,5-T - DL			0.400	0.3496	J	ug/L		87	57 - 171		
Silvex (2,4,5-TP) - DL			4.01	3.319		ug/L		83	62 - 170		
2,4-D - DL			2.00	1.866	J	ug/L		93	53 - 159		

Lab Sample ID: LCSD 410-656849/3-A
Matrix: Water
Analysis Batch: 657085

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 656849

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T - DL			0.400	<0.750		ug/L		76	57 - 171	14	30
Silvex (2,4,5-TP) - DL			4.01	3.006		ug/L		75	62 - 170	10	30
2,4-D - DL			2.00	1.679	J	ug/L		84	53 - 159	11	30

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-457312/1-A
Matrix: Water
Analysis Batch: 458536

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 457312

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		06/12/25 09:25	06/23/25 17:33	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		06/12/25 09:25	06/23/25 17:33	1
Barium	<0.00200		0.00200	0.000660	mg/L		06/12/25 09:25	06/23/25 17:33	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/12/25 09:25	06/23/25 17:33	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/12/25 09:25	06/23/25 17:33	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/12/25 09:25	06/23/25 17:33	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		06/12/25 09:25	06/23/25 17:33	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/12/25 09:25	06/23/25 17:33	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/12/25 09:25	06/23/25 17:33	1
Nickel	<0.00500		0.00500	0.00230	mg/L		06/12/25 09:25	06/23/25 17:33	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/12/25 09:25	06/23/25 17:33	1
Silver	<0.00100		0.00100	0.000500	mg/L		06/12/25 09:25	06/23/25 17:33	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/12/25 09:25	06/23/25 17:33	1
Tin	<0.00500		0.00500	0.00250	mg/L		06/12/25 09:25	06/23/25 17:33	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/12/25 09:25	06/23/25 17:33	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/12/25 09:25	06/23/25 17:33	1

Lab Sample ID: LCS 310-457312/2-A
Matrix: Water
Analysis Batch: 458536

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 457312

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony			0.200	0.2162		mg/L		108	80 - 120		
Arsenic			0.200	0.1987		mg/L		99	80 - 120		
Barium			0.100	0.1023		mg/L		102	80 - 120		
Beryllium			0.100	0.09444		mg/L		94	80 - 120		
Cadmium			0.100	0.1007		mg/L		101	80 - 120		
Chromium			0.100	0.1025		mg/L		103	80 - 120		
Cobalt			0.100	0.1017		mg/L		102	80 - 120		

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

Lab Sample ID: LCS 310-457312/2-A
Matrix: Water
Analysis Batch: 458536

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 457312

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Copper			0.200	0.2099		mg/L		105	80 - 120		
Lead			0.200	0.1959		mg/L		98	80 - 120		
Nickel			0.200	0.2049		mg/L		102	80 - 120		
Selenium			0.400	0.3815		mg/L		95	80 - 120		
Silver			0.100	0.1296	*+	mg/L		130	80 - 120		
Thallium			0.100	0.09217		mg/L		92	80 - 120		
Tin			0.200	0.1987		mg/L		99	80 - 120		
Vanadium			0.100	0.1012		mg/L		101	80 - 120		
Zinc			0.200	0.1958		mg/L		98	80 - 120		

Lab Sample ID: 310-308158-4 DU
Matrix: Ground Water
Analysis Batch: 458536

Client Sample ID: MW-41
Prep Type: Total/NA
Prep Batch: 457312

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Antimony	<0.00200			<0.00200		mg/L				NC	20
Arsenic	0.00505			0.004855		mg/L				4	20
Beryllium	0.000452	J		0.0003790	J	mg/L				18	20
Cadmium	<0.000200			<0.000200		mg/L				NC	20
Chromium	<0.00500			<0.00500		mg/L				NC	20
Cobalt	0.00121			0.001221		mg/L				1	20
Copper	0.0249			0.02482		mg/L				0.3	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
Thallium	<0.00100			<0.00100		mg/L				NC	20
Tin	<0.00500			<0.00500		mg/L				NC	20
Vanadium	<0.00500			<0.00500		mg/L				NC	20
Zinc	0.0213			0.02244		mg/L				5	20

Lab Sample ID: 310-308158-4 DU
Matrix: Ground Water
Analysis Batch: 458637

Client Sample ID: MW-41
Prep Type: Total/NA
Prep Batch: 457312

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Barium	0.204			0.2066		mg/L				1	20
Tin	<0.00500			<0.00500		mg/L				NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-457613/1-A
Matrix: Water
Analysis Batch: 457844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 457613

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		06/16/25 11:15	06/17/25 10:12	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 310-457613/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 457844 — **Prep Batch: 457613**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00167	0.001726		mg/L		104	80 - 120		

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 310-457237/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 457383 — **Prep Batch: 457237**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0100		0.0100	0.00350	mg/L		06/11/25 10:54	06/12/25 09:50	1

Lab Sample ID: LCS 310-457237/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 457383 — **Prep Batch: 457237**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.200	0.2007		mg/L		100	90 - 110		

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-821400/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 821400

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.00		1.00	0.231	mg/L			06/11/25 23:31	1

Lab Sample ID: LCS 500-821400/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 821400

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			3.97	3.714		mg/L		94	80 - 120		

Lab Sample ID: 310-308158-3 MS — **Client Sample ID: MW-20AR**
Matrix: Ground Water — **Prep Type: Total/NA**
Analysis Batch: 821400

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<1.00		9.92	7.816		mg/L		79	75 - 125		

Lab Sample ID: 310-308158-3 MSD — **Client Sample ID: MW-20AR**
Matrix: Ground Water — **Prep Type: Total/NA**
Analysis Batch: 821400

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<1.00		9.92	8.292		mg/L		84	75 - 125	6	20

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

Lab Sample ID: MB 310-457033/1
Matrix: Water
Analysis Batch: 457033

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	<5.00		5.00	3.50	mg/L			06/09/25 15:45	1

Lab Sample ID: LCS 310-457033/2
Matrix: Water
Analysis Batch: 457033

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	105.0		mg/L		105	82 - 117		

Lab Sample ID: 310-308158-5 DU
Matrix: Groundwater
Analysis Batch: 457033

Client Sample ID: MW-42
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	39.0			39.00		mg/L				0	35

GC/MS VOA

Analysis Batch: 457138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-1	OP-14	Total/NA	Ground Water	8260D	
310-308158-2	OP-19	Total/NA	Ground Water	8260D	
310-308158-3	MW-20AR	Total/NA	Ground Water	8260D	
310-308158-4	MW-41	Total/NA	Ground Water	8260D	
310-308158-5	MW-42	Total/NA	Groundwater	8260D	
310-308158-6	MW-43	Total/NA	Ground Water	8260D	
310-308158-7	MW-48	Total/NA	Ground Water	8260D	
310-308158-8	MW-117	Total/NA	Ground Water	8260D	
310-308158-9	MW-118	Total/NA	Ground Water	8260D	
310-308158-10	UD-4	Total/NA	Ground Water	8260D	
310-308158-11	MW-DA	Total/NA	Ground Water	8260D	
310-308158-12	Trip Blank 1	Total/NA	Water	8260D	
310-308158-13	Trip Blank 2	Total/NA	Water	8260D	
MB 310-457138/5	Method Blank	Total/NA	Water	8260D	
LCS 310-457138/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-457138/7	Lab Control Sample	Total/NA	Water	8260D	
310-308158-1 MS	OP-14	Total/NA	Ground Water	8260D	
310-308158-1 MSD	OP-14	Total/NA	Ground Water	8260D	

GC/MS Semi VOA

Prep Batch: 457250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-3	MW-20AR	Total/NA	Ground Water	3510C	
MB 310-457250/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-457250/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-457250/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 457998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-3	MW-20AR	Total/NA	Ground Water	8270E	457250
MB 310-457250/1-A	Method Blank	Total/NA	Water	8270E	457250
LCS 310-457250/2-A	Lab Control Sample	Total/NA	Water	8270E	457250
LCSD 310-457250/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	457250

GC Semi VOA

Analysis Batch: 457223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-3	MW-20AR	Total/NA	Ground Water	8015C	
MB 310-457223/4	Method Blank	Total/NA	Water	8015C	
LCS 310-457223/5	Lab Control Sample	Total/NA	Water	8015C	

Prep Batch: 457438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-3	MW-20AR	Total/NA	Ground Water	3511	
LCS 310-457438/25-A	Lab Control Sample	Total/NA	Water	3511	
310-308158-3 MS	MW-20AR	Total/NA	Ground Water	3511	
310-308158-3 MSD	MW-20AR	Total/NA	Ground Water	3511	

GC Semi VOA

Analysis Batch: 457589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-3	MW-20AR	Total/NA	Ground Water	8082A	457438
LCS 310-457438/25-A	Lab Control Sample	Total/NA	Water	8082A	457438
310-308158-3 MS	MW-20AR	Total/NA	Ground Water	8082A	457438
310-308158-3 MSD	MW-20AR	Total/NA	Ground Water	8082A	457438

Analysis Batch: 457591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-3	MW-20AR	Total/NA	Ground Water	8081B	457438

Prep Batch: 656849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-3	MW-20AR	Total/NA	Ground Water	8151A	
MB 410-656849/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-656849/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	
LCS 410-656849/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-656849/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
LCSD 410-656849/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 657085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-3	MW-20AR	Total/NA	Ground Water	8151A	656849
MB 410-656849/1-A	Method Blank	Total/NA	Water	8151A	656849
LCS 410-656849/2-A	Lab Control Sample	Total/NA	Water	8151A	656849
LCS 410-656849/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	656849
LCSD 410-656849/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	656849
LCSD 410-656849/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	656849

Metals

Prep Batch: 457312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-1	OP-14	Total/NA	Ground Water	3005A	
310-308158-2	OP-19	Total/NA	Ground Water	3005A	
310-308158-3	MW-20AR	Total/NA	Ground Water	3005A	
310-308158-4	MW-41	Total/NA	Ground Water	3005A	
310-308158-5	MW-42	Total/NA	Groundwater	3005A	
310-308158-6	MW-43	Total/NA	Ground Water	3005A	
310-308158-7	MW-48	Total/NA	Ground Water	3005A	
310-308158-8	MW-117	Total/NA	Ground Water	3005A	
310-308158-9	MW-118	Total/NA	Ground Water	3005A	
310-308158-10	UD-4	Total/NA	Ground Water	3005A	
310-308158-11	MW-DA	Total/NA	Ground Water	3005A	
310-308158-14	MW-30	Total/NA	Water	3005A	
MB 310-457312/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-457312/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-308158-4 DU	MW-41	Total/NA	Ground Water	3005A	

Prep Batch: 457613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-3	MW-20AR	Total/NA	Ground Water	7470A	
MB 310-457613/1-A	Method Blank	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 457613 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-457613/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 457844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-3	MW-20AR	Total/NA	Ground Water	7470A	457613
MB 310-457613/1-A	Method Blank	Total/NA	Water	7470A	457613
LCS 310-457613/2-A	Lab Control Sample	Total/NA	Water	7470A	457613

Analysis Batch: 458536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-1	OP-14	Total/NA	Ground Water	6020B	457312
310-308158-2	OP-19	Total/NA	Ground Water	6020B	457312
310-308158-3	MW-20AR	Total/NA	Ground Water	6020B	457312
310-308158-4	MW-41	Total/NA	Ground Water	6020B	457312
310-308158-5	MW-42	Total/NA	Groundwater	6020B	457312
310-308158-6	MW-43	Total/NA	Ground Water	6020B	457312
310-308158-7	MW-48	Total/NA	Ground Water	6020B	457312
310-308158-8	MW-117	Total/NA	Ground Water	6020B	457312
310-308158-9	MW-118	Total/NA	Ground Water	6020B	457312
310-308158-10	UD-4	Total/NA	Ground Water	6020B	457312
310-308158-11	MW-DA	Total/NA	Ground Water	6020B	457312
310-308158-14	MW-30	Total/NA	Water	6020B	457312
MB 310-457312/1-A	Method Blank	Total/NA	Water	6020B	457312
LCS 310-457312/2-A	Lab Control Sample	Total/NA	Water	6020B	457312
310-308158-4 DU	MW-41	Total/NA	Ground Water	6020B	457312

Analysis Batch: 458637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-1	OP-14	Total/NA	Ground Water	6020B	457312
310-308158-2	OP-19	Total/NA	Ground Water	6020B	457312
310-308158-3	MW-20AR	Total/NA	Ground Water	6020B	457312
310-308158-4	MW-41	Total/NA	Ground Water	6020B	457312
310-308158-5	MW-42	Total/NA	Groundwater	6020B	457312
310-308158-6	MW-43	Total/NA	Ground Water	6020B	457312
310-308158-7	MW-48	Total/NA	Ground Water	6020B	457312
310-308158-8	MW-117	Total/NA	Ground Water	6020B	457312
310-308158-9	MW-118	Total/NA	Ground Water	6020B	457312
310-308158-10	UD-4	Total/NA	Ground Water	6020B	457312
310-308158-11	MW-DA	Total/NA	Ground Water	6020B	457312
310-308158-14	MW-30	Total/NA	Water	6020B	457312
310-308158-4 DU	MW-41	Total/NA	Ground Water	6020B	457312

General Chemistry

Analysis Batch: 457033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-1	OP-14	Total/NA	Ground Water	I-3765-85	
310-308158-2	OP-19	Total/NA	Ground Water	I-3765-85	
310-308158-3	MW-20AR	Total/NA	Ground Water	I-3765-85	
310-308158-4	MW-41	Total/NA	Ground Water	I-3765-85	
310-308158-5	MW-42	Total/NA	Groundwater	I-3765-85	

General Chemistry (Continued)

Analysis Batch: 457033 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-6	MW-43	Total/NA	Ground Water	I-3765-85	
310-308158-7	MW-48	Total/NA	Ground Water	I-3765-85	
310-308158-8	MW-117	Total/NA	Ground Water	I-3765-85	
310-308158-9	MW-118	Total/NA	Ground Water	I-3765-85	
310-308158-10	UD-4	Total/NA	Ground Water	I-3765-85	
310-308158-11	MW-DA	Total/NA	Ground Water	I-3765-85	
310-308158-14	MW-30	Total/NA	Water	I-3765-85	
MB 310-457033/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-457033/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-308158-5 DU	MW-42	Total/NA	Groundwater	I-3765-85	

Prep Batch: 457237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-3	MW-20AR	Total/NA	Ground Water	9012B	
MB 310-457237/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-457237/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 457383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-3	MW-20AR	Total/NA	Ground Water	9012B	457237
MB 310-457237/1-A	Method Blank	Total/NA	Water	9012B	457237
LCS 310-457237/2-A	Lab Control Sample	Total/NA	Water	9012B	457237

Analysis Batch: 821400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308158-3	MW-20AR	Total/NA	Ground Water	9034	
MB 500-821400/1	Method Blank	Total/NA	Water	9034	
LCS 500-821400/2	Lab Control Sample	Total/NA	Water	9034	
310-308158-3 MS	MW-20AR	Total/NA	Ground Water	9034	
310-308158-3 MSD	MW-20AR	Total/NA	Ground Water	9034	

Lab Chronicle

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: OP-14

Date Collected: 06/05/25 16:21
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	457138	WSE8	EET CF	06/10/25 22:27
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458536	NFT2	EET CF	06/23/25 18:14
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458637	NFT2	EET CF	06/24/25 13:17
Total/NA	Analysis	I-3765-85		1	457033	E6KR	EET CF	06/09/25 15:45

Client Sample ID: OP-19

Date Collected: 06/05/25 13:55
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-2

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	457138	WSE8	EET CF	06/10/25 22:49
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458536	NFT2	EET CF	06/23/25 18:17
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458637	NFT2	EET CF	06/24/25 13:20
Total/NA	Analysis	I-3765-85		1	457033	E6KR	EET CF	06/09/25 15:45

Client Sample ID: MW-20AR

Date Collected: 06/05/25 10:39
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	457138	WSE8	EET CF	06/10/25 23:12
Total/NA	Prep	3510C			457250	J5BR	EET CF	06/11/25 12:12
Total/NA	Analysis	8270E		1	457998	D2YP	EET CF	06/18/25 21:55
Total/NA	Analysis	8015C		1	457223	BW2O	EET CF	06/11/25 17:59
Total/NA	Prep	3511			457438	BW2O	EET CF	06/12/25 14:12
Total/NA	Analysis	8081B		1	457591	BW2O	EET CF	06/13/25 18:54
Total/NA	Prep	3511			457438	BW2O	EET CF	06/12/25 14:12
Total/NA	Analysis	8082A		1	457589	BW2O	EET CF	06/13/25 18:54
Total/NA	Prep	8151A			656849	QJZ6	ELLE	06/12/25 15:00
Total/NA	Analysis	8151A		1	657085	UAMZ	ELLE	06/13/25 10:29
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458536	NFT2	EET CF	06/23/25 18:20
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458637	NFT2	EET CF	06/24/25 13:23
Total/NA	Prep	7470A			457613	F5MW	EET CF	06/16/25 11:15
Total/NA	Analysis	7470A		1	457844	F5MW	EET CF	06/17/25 10:43
Total/NA	Prep	9012B			457237	ENB7	EET CF	06/11/25 10:54
Total/NA	Analysis	9012B		1	457383	WZC8	EET CF	06/12/25 09:57
Total/NA	Analysis	9034		1	821400	CLB	EET CHI	06/11/25 23:46 - 06/11/25 23:50 [1]
Total/NA	Analysis	I-3765-85		1	457033	E6KR	EET CF	06/09/25 15:45

Lab Chronicle

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: MW-41

Date Collected: 06/05/25 13:17
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-4

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	457138	WSE8	EET CF	06/10/25 23:34
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458536	NFT2	EET CF	06/23/25 18:23
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458637	NFT2	EET CF	06/24/25 13:26
Total/NA	Analysis	I-3765-85		1	457033	E6KR	EET CF	06/09/25 15:45

Client Sample ID: MW-42

Date Collected: 06/05/25 12:27
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-5

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	457138	WSE8	EET CF	06/10/25 23:57
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458536	NFT2	EET CF	06/23/25 18:28
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458637	NFT2	EET CF	06/24/25 13:31
Total/NA	Analysis	I-3765-85		1	457033	E6KR	EET CF	06/09/25 15:45

Client Sample ID: MW-43

Date Collected: 06/05/25 18:09
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-6

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	457138	WSE8	EET CF	06/11/25 00:20
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458536	NFT2	EET CF	06/23/25 18:31
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458637	NFT2	EET CF	06/24/25 13:34
Total/NA	Analysis	I-3765-85		1	457033	E6KR	EET CF	06/09/25 15:45

Client Sample ID: MW-48

Date Collected: 06/05/25 17:17
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308158-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	457138	WSE8	EET CF	06/11/25 00:43
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458536	NFT2	EET CF	06/23/25 18:34
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458637	NFT2	EET CF	06/24/25 13:37
Total/NA	Analysis	I-3765-85		1	457033	E6KR	EET CF	06/09/25 15:45

Client Sample ID: MW-117

Lab Sample ID: 310-308158-8

Date Collected: 06/05/25 11:37
Matrix: Ground Water
Date Received: 06/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	457138	WSE8	EET CF	06/11/25 01:05
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458536	NFT2	EET CF	06/23/25 18:43
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458637	NFT2	EET CF	06/24/25 13:40
Total/NA	Analysis	I-3765-85		1	457033	E6KR	EET CF	06/09/25 15:45

Client Sample ID: MW-118

Lab Sample ID: 310-308158-9

Date Collected: 06/05/25 14:37
Matrix: Ground Water
Date Received: 06/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	457138	WSE8	EET CF	06/11/25 01:28
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458536	NFT2	EET CF	06/23/25 18:46
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458637	NFT2	EET CF	06/24/25 13:49
Total/NA	Analysis	I-3765-85		1	457033	E6KR	EET CF	06/09/25 15:45

Client Sample ID: UD-4

Lab Sample ID: 310-308158-10

Date Collected: 06/05/25 18:45
Matrix: Ground Water
Date Received: 06/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	457138	WSE8	EET CF	06/11/25 01:50
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458536	NFT2	EET CF	06/23/25 18:49
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458637	NFT2	EET CF	06/24/25 13:52
Total/NA	Analysis	I-3765-85		1	457033	E6KR	EET CF	06/09/25 15:45

Client Sample ID: MW-DA

Lab Sample ID: 310-308158-11

Date Collected: 06/05/25 12:27
Matrix: Ground Water
Date Received: 06/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	457138	WSE8	EET CF	06/11/25 02:13
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458536	NFT2	EET CF	06/23/25 18:52
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458637	NFT2	EET CF	06/24/25 13:55
Total/NA	Analysis	I-3765-85		1	457033	E6KR	EET CF	06/09/25 15:45

Lab Chronicle

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Client Sample ID: Trip Blank 1

Lab Sample ID: 310-308158-12
Matrix: Water
Date Collected: 06/05/25 00:00
Date Received: 06/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	457138	WSE8	EET CF	06/10/25 20:57

Client Sample ID: Trip Blank 2

Lab Sample ID: 310-308158-13
Matrix: Water
Date Collected: 06/05/25 00:00
Date Received: 06/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	457138	WSE8	EET CF	06/10/25 21:19

Client Sample ID: MW-30

Lab Sample ID: 310-308158-14
Matrix: Water
Date Collected: 06/05/25 09:52
Date Received: 06/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458536	NFT2	EET CF	06/23/25 18:54
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		1	458637	NFT2	EET CF	06/24/25 13:58
Total/NA	Analysis	I-3765-85		1	457033	E6KR	EET CF	06/09/25 15:45

[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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Ground Water	1,2,4-Trichlorobenzene
8260D		Ground Water	Allyl chloride
8260D		Ground Water	Ethyl methacrylate

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-25 *
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-25
South Carolina	State	77001003	05-31-25 *
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-25
Wyoming	State	8TMS-Q	05-31-26

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	06-15-25
A2LA	Dept. of Energy	0001.01	06-15-25
A2LA	ISO/IEC 17025	0001.01	06-15-25
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	06-15-25
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-26
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-26
Washington	State	C457	04-11-26
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	06-15-25
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	06-15-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: SCS Engineers
Project/Site: SAL 1st 2025 HMSP, Geochemistry, & NA

Job ID: 310-308158-1
SDG: Scott Area Landfill

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8015C	Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
8151A	Herbicides (GC)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
9012B	Cyanide, Total andor Amenable	SW846	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	ELLE
9012B	Cyanide, Total and/or Amenable, Distillation	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

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

eurofins | Environment Testing America

310-308158 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: SCS Engineers

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 6/[illegible] | TIME 900 | Received By: PH

Delivery Type: ☐ UPS ☐ FedEx Carr ☐ 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 # 2 of 3

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? ↓

ALL

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AA | Correction Factor (°C):

• **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: PL250	CONTAINER 2:
Uncorrected Temp (°C):	0.6	
Corrected Temp (°C):	6.6	

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 | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: SCS Engineers

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 6.7.25 | TIME 900 | Received By: PH

Delivery Type: ☐ UPS ☑ FedEx 2Day ☐ 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 # 1 of 3

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: AA | Correction Factor (°C): 0

• **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: PL250N	CONTAINER 2:
Uncorrected Temp (°C):	0.4	
Corrected Temp (°C):	0.4	

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 | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: SCS Engineers

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 6.7.25 | TIME 900 | Received By: PB

Delivery Type: ☐ UPS ☑ FedEx Sat ☐ 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 # 3 of 3

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~~ BU ☑ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other._____ ☐ NONE

Thermometer ID: AA | Correction Factor (°C): 0

• **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 1	CONTAINER 2
Container(s) used:	PL 250N	
Uncorrected Temp (°C):	-0.1	
Corrected Temp (°C):	-0.1	

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 50613-6907
phone 319.277 2401 fax 319.277 2425

TestAmerica Des Moines SC 214

Chain of Custody Record

Eurofins Davenport SC 212

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Ohrt	Site Contact: Brian Seals	Date:	COC No: 1 of 1 COCs
Nathan Ohrt	Email: nohrt@scsengineers.com	Lab Contact: Sam Miller	Carrier:	
SCS Engineers	Cell 319-331-9613			Sampler:
1690 All State Court, Suite 100	Analysis Turnaround Time			For Lab Use Only:
West Des Moines, IA 50265	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
	Other:			Lab Sampling
Project Name. SCL 1st 2025 HMSP Geochemistry, & NA	☐ 2 weeks			Job / SDG No.
Site. Scott Area Landfill	☐ 1 week			
P O # 27223210.25	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Appendix I	Total Suspended Solids	Appendix II	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Calcium	Chloride	Magnesium	Potassium	Sodium	Sulfate	Total Organic Carbon	Nitrate	Ammonia	Total Iron	Total Manganese	Trip Blank	Sample Specific Not
MW-107			G	GW		N	N	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		
MW-114			G	GW		N	N	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		
OP-14	6/5/25	16 21	G	GW		N	N	X	X																
OP-19	6/5/25	13:55	G	GW		N	N	X	X																
MW-20AR	6/5/25	10 39	G	GW		N	N		X	X															
MW-41	6/5/25	13 17	G	GW		N	N	X	X																
MW-42	6/5/25	12 27	G	GW		N	N	X	X																
MW-43	6/5/25	18 09	G	GW		N	N	X	X																
MW-48	6/5/25	17 17	G	GW		N	N	X	X																
MW-117	6/5/25	11 37	G	GW		N	N	X	X																
MW-118	6/5/25	14 37	G	GW		N	N	X	X																
UD-4	6/5/25	18:45	G	GW		N	N	X	X																
MW-DA	6/5/25	12 27	G	GW		N	N	X	X																
OP-22			G	GW		N	N		X		X	X	X	X	X	X	X	X							
Trip Blank						N																		X	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp. (°C) Obs'd _____ Corr'd: _____ Therm ID No. _____

	Company	Date/Time	Received by	Company	
Relinquished by: Michael Morgan	SCS Engineers	6/6/25 13:00	Michelle Spiegel	Eurofins	6-6-25 1311
Relinquished by: Michelle Spiegel	Eurofins	6-6-25 1500	Received by:	Company	
Relinquished by:	Company	Date/Time:	Received in Laboratory by:	Company	6/7/25 0900

Form No. CA-C-WI-002, Rev. 4.23, dated 4/16/2019

6/24/2025

Chain of Custody Record

eurofins

Eurofins TestAmerica, Cedar Falls
3019 Venture Way

Cedar Falls IA 50613-6907
Phone 319 277.2401 fax 319 277 2425

Eurofins Davenport SC 210

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmeric

Client Contact	Project Manager: Nathan Ohrt	Site Contact: Brian Seals	Date:	COC No
Nathan Ohrt	Email nohrt@scsengineers.com	Lab Contact: Sam Miller	Carrier:	1 of 3 COCs
SCS Engineers	Cell 319-331-9613			Sampler
2690 All State Court, Suite 100	Analysis Turnaround Time			For Lab Use Only:
West Des Moines IA 50265	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client.
	Other:			Lab Sampling
Project Name SCL 1st 2025 HMSP Geochemistry & NA	☐ 2 weeks			
Site Scott County Landfill	☐ 1 week			Job / SDG No
PO # 27224523 25	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Reduced Metals List	Appendix I VOCs	Total Suspended Solids	Appendix II	Methoxychlor	Alkalintiy, Biocarbonate	Alkalinity, Carbonate	Calcium	Chloride	Magnesium	Potassium	Sodium	Sulfate	Total Oranic Carbon	Nitrate	Ammonia	Total Iron	Total Manganese	Trip Blank	Sample Specific Notes
MW-32			G	GW		N	N	X		X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-17			G	GW		N	N	X	X	X																	
MW-19			G	GW		N	N	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-20			G	GW		N	N	X		X																	
MW-21			G	GW		N	N	X		X																	
MW-22			G	GW		N	N	X		X																	
MW-27			G	GW		N	N	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-28			G	GW		N	N			X	X																
MW-30	6/5/25	9:52	G	GW		N	N	X		X																	
OP-17			G	GW		N	N			X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
OP-18			G	GW		N	N			X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-DC			G	GW		N	N	X		X																	
Trip Blank																										X	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
Reduced Metals List: arsenic, barium, beryllium, cadmium, cobalt, copper, lead, nickel, vanadium, and zinc.

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____		
Relinquished by: Michael Morgan	Company: SCS Engineers	Date/Time: 6/6/25 13:00	Received by: Michael Spiegel	Company: Eurofins	Date/Time: 6-6-25 1311
Relinquished by: Michael Spiegel	Company: Eurofins	Date/Time: 6-6 25 1500	Received by	Company	Date/Time
Relinquished by:	Company	Date/Time	Received in Laboratory by	Company:	Date/Time: 6/7/25 0900

Form No. CA-C-WI-002 Rev. 4 23 dated 4/16/201

6/24/2025

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Miller, Samuel	Carrier Tracking No(s): N/A	COC No: 310-83793.1
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 Lancaster Laboratories Environm		Accreditations Required (See note): State Program - Iowa		Job #: 310-308158-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/23/2025			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: SCL 1st 2025 HMSP, Geochemistry & NA	Project #: 31002007			
Site: 310-SCS Scott County Landfill	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A/8151A_AP (MOD) Custom Analyte List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-20AR (310-308158-3)	6/5/25	10:39 Central	G	Water			X	2	

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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6/25 1630				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/10/25 1020	Company GLG

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.7-C1.6

Ver: 10/10/2024

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax 319-277-2425

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Miller, Samuel	Carrier Tracking No(s): N/A	COC No: 310-83792 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 Centr		Accreditations Required (See note): State Program - Iowa		Job #: 310-308158-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 6/23/2025			
City: Tinley Park	TAT Requested (days): N/A			
State Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: SCL 1st 2025 HMSP, Geochemistry & NA	Project #: 31002007			
Site: 310-SCS Scott County Landfill	SSOW#: N/A			

Analysis Requested

310-308158 COC

Preservation Codes

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc/ (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code						
MW-20AR (310-308158-3)	6/5/25	10 39 Central	G	Water			X	1	

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) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment.

Relinquished by:	Date/Time: 6/9 LS 1620	Company	Received by: Stephanie Hernandez	Date/Time: 6/10/25 0930	Company: EEA
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 1.2 + 1.9

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-308158-1
SDG Number: Scott Area Landfill

Login Number: 308158
List Number: 1
Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (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: 310-308158-1
SDG Number: Scott Area Landfill

Login Number: 308158
List Number: 3
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago
List Creation: 06/10/25 07:05 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	1.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-308158-1
SDG Number: Scott Area Landfill

Login Number: 308158
List Number: 2
Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 06/10/25 02:51 PM

Question	Answer	Comment
The cooler's custody seal is 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/9/2025 10:33:30 AM

JOB DESCRIPTION

SAL September 2025 Retest and Background
Scott Area Landfill

JOB NUMBER

310-316723-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

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



Generated
10/9/2025 10:33:30 AM

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

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 5
Detection Summary 6
Client Sample Results 7
Definitions 15
Surrogate Summary 16
QC Sample Results 17
QC Association 21
Chronicle 22
Certification Summary 24
Method Summary 25
Chain of Custody 26
Receipt Checklists 28

Job ID: 310-316723-1 Eurofins Cedar Falls

Job Narrative
310-316723-1

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 9/26/2025 4:30 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 2.2°C.

GC/MS VOA
Method 8260D: The following sample was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: MW-117 (310-316723-5).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-468233 recovered outside of the control limits for Iodomethane (-53.7%D). The LCS associated with this CCV passes CCV criteria for the affected analyte; therefore, the data have been reported. The associated sample is:(CCV 310-468233/3).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-468233 recovered above the upper control limit for Chloromethane (29.0%D) and Bromomethane (23.4%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-468233/4).

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.

Sample Summary

Client: SCS Engineers
Project/Site: SAL September 2025 Retest and Background

Job ID: 310-316723-1
SDG: Scott Area Landfill

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-316723-1	UD-4	Ground Water	09/24/25 11:06	09/26/25 16:30	Iowa
310-316723-2	MW-41	Ground Water	09/25/25 10:08	09/26/25 16:30	Iowa
310-316723-3	MW-48	Ground Water	09/25/25 10:51	09/26/25 16:30	Iowa
310-316723-4	OP-19	Ground Water	09/24/25 12:45	09/26/25 16:30	Iowa
310-316723-5	MW-117	Ground Water	09/25/25 11:35	09/26/25 16:30	Iowa
310-316723-6	Trip Blank	Water	09/25/25 00:00	09/26/25 16:30	Iowa

Detection Summary

Client: SCS Engineers
Project/Site: SAL September 2025 Retest and Background

Job ID: 310-316723-1
SDG: Scott Area Landfill

Client Sample ID: UD-4 — Lab Sample ID: 310-316723-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.273	J	0.500	0.220	ug/L	1		8260D	Total/NA
Antimony	0.00110	J	0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.00421		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.237		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.0128		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0589		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	9.25		3.75	2.63	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-41 — Lab Sample ID: 310-316723-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0738		0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	490		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-48 — Lab Sample ID: 310-316723-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	0.00698		0.00500	0.00320	mg/L	1		6020B	Total/NA
Total Suspended Solids	3.75		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: OP-19 — Lab Sample ID: 310-316723-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	0.00392	J	0.00500	0.00320	mg/L	1		6020B	Total/NA
Total Suspended Solids	8.37		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-117 — Lab Sample ID: 310-316723-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0179		0.00200	0.000530	mg/L	1		6020B	Total/NA
Lead	0.000404	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Zinc	0.0337		0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	362		30.0	21.0	mg/L	1		I-3765-85	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 310-316723-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample ID: UD-4

Date Collected: 09/24/25 11:06
Date Received: 09/26/25 16:30

Lab Sample ID: 310-316723-1

Matrix: Ground Water

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	0.380	ug/L			09/29/25 22:26	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			09/29/25 22:26	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			09/29/25 22:26	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			09/29/25 22:26	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			09/29/25 22:26	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			09/29/25 22:26	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			09/29/25 22:26	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			09/29/25 22:26	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			09/29/25 22:26	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			09/29/25 22:26	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			09/29/25 22:26	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			09/29/25 22:26	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			09/29/25 22:26	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			09/29/25 22:26	1
2-Hexanone	<10.0		10.0	2.00	ug/L			09/29/25 22:26	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			09/29/25 22:26	1
Acetone	<10.0		10.0	3.10	ug/L			09/29/25 22:26	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			09/29/25 22:26	1
Benzene	**0.273**	**J**	0.500	0.220	ug/L			09/29/25 22:26	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			09/29/25 22:26	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			09/29/25 22:26	1
Bromoform	<5.00		5.00	0.780	ug/L			09/29/25 22:26	1
Bromomethane	<4.00		4.00	1.10	ug/L			09/29/25 22:26	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			09/29/25 22:26	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			09/29/25 22:26	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			09/29/25 22:26	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			09/29/25 22:26	1
Chloroethane	<4.00		4.00	0.790	ug/L			09/29/25 22:26	1
Chloroform	<3.00		3.00	1.30	ug/L			09/29/25 22:26	1
Chloromethane	<3.00		3.00	0.610	ug/L			09/29/25 22:26	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			09/29/25 22:26	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			09/29/25 22:26	1
Dibromomethane	<1.00		1.00	0.330	ug/L			09/29/25 22:26	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			09/29/25 22:26	1
Iodomethane	<10.0		10.0	7.00	ug/L			09/29/25 22:26	1
Methylene chloride	<5.00		5.00	1.70	ug/L			09/29/25 22:26	1
Styrene	<1.00		1.00	0.370	ug/L			09/29/25 22:26	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			09/29/25 22:26	1
Toluene	<1.00		1.00	0.430	ug/L			09/29/25 22:26	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			09/29/25 22:26	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			09/29/25 22:26	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			09/29/25 22:26	1
Trichloroethene	<1.00		1.00	0.430	ug/L			09/29/25 22:26	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			09/29/25 22:26	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			09/29/25 22:26	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			09/29/25 22:26	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			09/29/25 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*09/29/25 22:26*	*1*

Client Sample ID: UD-4

Date Collected: 09/24/25 11:06
Date Received: 09/26/25 16:30

Lab Sample ID: 310-316723-1

Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*09/29/25 22:26*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*09/29/25 22:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00110**	**J**	0.00200	0.00100	mg/L		10/01/25 09:00	10/08/25 17:28	1
Arsenic	**0.00421**		0.00200	0.000530	mg/L		10/01/25 09:00	10/08/25 17:28	1
Barium	**0.237**		0.00200	0.000660	mg/L		10/01/25 09:00	10/08/25 17:28	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		10/01/25 09:00	10/08/25 17:28	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		10/01/25 09:00	10/08/25 17:28	1
Chromium	<0.00500		0.00500	0.00180	mg/L		10/01/25 09:00	10/08/25 17:28	1
Cobalt	**0.0128**		0.000500	0.000170	mg/L		10/01/25 09:00	10/08/25 17:28	1
Copper	<0.00500		0.00500	0.00320	mg/L		10/01/25 09:00	10/08/25 17:28	1
Lead	<0.000500		0.000500	0.000330	mg/L		10/01/25 09:00	10/08/25 17:28	1
Nickel	**0.0589**		0.00500	0.00230	mg/L		10/01/25 09:00	10/08/25 17:28	1
Selenium	<0.00500		0.00500	0.00140	mg/L		10/01/25 09:00	10/08/25 17:28	1
Silver	<0.00100		0.00100	0.000500	mg/L		10/01/25 09:00	10/08/25 17:28	1
Thallium	<0.00100		0.00100	0.000570	mg/L		10/01/25 09:00	10/08/25 17:28	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		10/01/25 09:00	10/08/25 17:28	1
Zinc	<0.0200		0.0200	0.0130	mg/L		10/01/25 09:00	10/08/25 17:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**9.25**		3.75	2.63	mg/L			09/29/25 06:55	1

Client Sample Results

Client: SCS Engineers
Project/Site: SAL September 2025 Retest and Background

Job ID: 310-316723-1
SDG: Scott Area Landfill

Client Sample ID: MW-41

Date Collected: 09/25/25 10:08
Date Received: 09/26/25 16:30

Lab Sample ID: 310-316723-2

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00500		0.00500	0.00320	mg/L		10/01/25 09:00	10/08/25 17:31	1
Zinc	**0.0738**		0.0200	0.0130	mg/L		10/01/25 09:00	10/08/25 17:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**490**		15.0	10.5	mg/L			09/29/25 06:55	1

Client Sample Results

Client: SCS Engineers
Project/Site: SAL September 2025 Retest and Background

Job ID: 310-316723-1
SDG: Scott Area Landfill

Client Sample ID: MW-48

Date Collected: 09/25/25 10:51
Date Received: 09/26/25 16:30

Lab Sample ID: 310-316723-3

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.00698		0.00500	0.00320	mg/L		10/01/25 09:00	10/08/25 17:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	3.75		1.88	1.31	mg/L			09/29/25 06:55	1

Client Sample Results

Client: SCS Engineers
Project/Site: SAL September 2025 Retest and Background

Job ID: 310-316723-1
SDG: Scott Area Landfill

Client Sample ID: OP-19

Date Collected: 09/24/25 12:45
Date Received: 09/26/25 16:30

Lab Sample ID: 310-316723-4

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.00392	J	0.00500	0.00320	mg/L		10/01/25 09:00	10/08/25 17:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	8.37		1.88	1.31	mg/L			09/29/25 06:55	1

Client Sample ID: MW-117

Date Collected: 09/25/25 11:35
Date Received: 09/26/25 16:30

Lab Sample ID: 310-316723-5

Matrix: Ground Water

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	3.10	ug/L			09/30/25 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*09/30/25 01:04*	*1*
Dibromofluoromethane (Surr)	*122*		*76 - 130*		*09/30/25 01:04*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*09/30/25 01:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0179**		0.00200	0.000530	mg/L		10/01/25 09:00	10/08/25 17:40	1
Lead	**0.000404**	**J**	0.000500	0.000330	mg/L		10/01/25 09:00	10/08/25 17:40	1
Zinc	**0.0337**		0.0200	0.0130	mg/L		10/01/25 09:00	10/08/25 17:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**362**		30.0	21.0	mg/L			09/29/25 06:55	1

Client Sample ID: Trip Blank
Date Collected: 09/25/25 00:00
Date Received: 09/26/25 16:30

Lab Sample ID: 310-316723-6
Matrix: Water

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	0.380	ug/L			09/29/25 20:10	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			09/29/25 20:10	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			09/29/25 20:10	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			09/29/25 20:10	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			09/29/25 20:10	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			09/29/25 20:10	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			09/29/25 20:10	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			09/29/25 20:10	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			09/29/25 20:10	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			09/29/25 20:10	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			09/29/25 20:10	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			09/29/25 20:10	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			09/29/25 20:10	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			09/29/25 20:10	1
2-Hexanone	<10.0		10.0	2.00	ug/L			09/29/25 20:10	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			09/29/25 20:10	1
Acetone	<10.0		10.0	3.10	ug/L			09/29/25 20:10	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			09/29/25 20:10	1
Benzene	<0.500		0.500	0.220	ug/L			09/29/25 20:10	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			09/29/25 20:10	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			09/29/25 20:10	1
Bromoform	<5.00		5.00	0.780	ug/L			09/29/25 20:10	1
Bromomethane	<4.00		4.00	1.10	ug/L			09/29/25 20:10	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			09/29/25 20:10	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			09/29/25 20:10	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			09/29/25 20:10	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			09/29/25 20:10	1
Chloroethane	<4.00		4.00	0.790	ug/L			09/29/25 20:10	1
Chloroform	<3.00		3.00	1.30	ug/L			09/29/25 20:10	1
Chloromethane	<3.00		3.00	0.610	ug/L			09/29/25 20:10	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			09/29/25 20:10	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			09/29/25 20:10	1
Dibromomethane	<1.00		1.00	0.330	ug/L			09/29/25 20:10	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			09/29/25 20:10	1
Iodomethane	<10.0		10.0	7.00	ug/L			09/29/25 20:10	1
Methylene chloride	<5.00		5.00	1.70	ug/L			09/29/25 20:10	1
Styrene	<1.00		1.00	0.370	ug/L			09/29/25 20:10	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			09/29/25 20:10	1
Toluene	<1.00		1.00	0.430	ug/L			09/29/25 20:10	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			09/29/25 20:10	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			09/29/25 20:10	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			09/29/25 20:10	1
Trichloroethene	<1.00		1.00	0.430	ug/L			09/29/25 20:10	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			09/29/25 20:10	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			09/29/25 20:10	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			09/29/25 20:10	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			09/29/25 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*76 - 130*		*09/29/25 20:10*	*1*

Client: SCS Engineers
Project/Site: SAL September 2025 Retest and Background

Job ID: 310-316723-1
SDG: Scott Area Landfill

Client Sample ID: Trip Blank
Date Collected: 09/25/25 00:00
Date Received: 09/26/25 16:30

Lab Sample ID: 310-316723-6
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/29/25 20:10*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*09/29/25 20:10*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: SAL September 2025 Retest and Background

Job ID: 310-316723-1
SDG: Scott Area Landfill

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-316723-1	UD-4	116	93	106
310-316723-5	MW-117	122	90	101

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)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-316723-6	Trip Blank	115	95	101
LCS 310-468233/6	Lab Control Sample	97	100	102
LCS 310-468233/7	Lab Control Sample	117	96	101
MB 310-468233/5	Method Blank	115	93	105

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

Lab Sample ID: MB 310-468233/5
Matrix: Water
Analysis Batch: 468233

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	0.380	ug/L			09/29/25 17:55	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			09/29/25 17:55	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			09/29/25 17:55	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			09/29/25 17:55	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			09/29/25 17:55	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			09/29/25 17:55	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			09/29/25 17:55	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			09/29/25 17:55	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			09/29/25 17:55	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			09/29/25 17:55	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			09/29/25 17:55	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			09/29/25 17:55	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			09/29/25 17:55	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			09/29/25 17:55	1
2-Hexanone	<10.0		10.0	2.00	ug/L			09/29/25 17:55	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			09/29/25 17:55	1
Acetone	<10.0		10.0	3.10	ug/L			09/29/25 17:55	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			09/29/25 17:55	1
Benzene	<0.500		0.500	0.220	ug/L			09/29/25 17:55	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			09/29/25 17:55	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			09/29/25 17:55	1
Bromoform	<5.00		5.00	0.780	ug/L			09/29/25 17:55	1
Bromomethane	<4.00		4.00	1.10	ug/L			09/29/25 17:55	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			09/29/25 17:55	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			09/29/25 17:55	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			09/29/25 17:55	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			09/29/25 17:55	1
Chloroethane	<4.00		4.00	0.790	ug/L			09/29/25 17:55	1
Chloroform	<3.00		3.00	1.30	ug/L			09/29/25 17:55	1
Chloromethane	<3.00		3.00	0.610	ug/L			09/29/25 17:55	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			09/29/25 17:55	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			09/29/25 17:55	1
Dibromomethane	<1.00		1.00	0.330	ug/L			09/29/25 17:55	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			09/29/25 17:55	1
Iodomethane	<10.0		10.0	7.00	ug/L			09/29/25 17:55	1
Methylene chloride	<5.00		5.00	1.70	ug/L			09/29/25 17:55	1
Styrene	<1.00		1.00	0.370	ug/L			09/29/25 17:55	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			09/29/25 17:55	1
Toluene	<1.00		1.00	0.430	ug/L			09/29/25 17:55	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			09/29/25 17:55	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			09/29/25 17:55	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			09/29/25 17:55	1
Trichloroethene	<1.00		1.00	0.430	ug/L			09/29/25 17:55	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			09/29/25 17:55	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			09/29/25 17:55	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			09/29/25 17:55	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			09/29/25 17:55	1

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

Lab Sample ID: MB 310-468233/5
Matrix: Water
Analysis Batch: 468233

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*115*		*76 - 130*		*09/29/25 17:55*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*09/29/25 17:55*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*09/29/25 17:55*	*1*

Lab Sample ID: LCS 310-468233/6
Matrix: Water
Analysis Batch: 468233

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	17.58		ug/L		88	70 - 121
1,1,1-Trichloroethane	20.0	18.28		ug/L		91	69 - 130
1,1,2,2-Tetrachloroethane	20.0	18.19		ug/L		91	70 - 122
1,1,2-Trichloroethane	20.0	18.75		ug/L		94	75 - 121
1,1-Dichloroethane	20.0	18.82		ug/L		94	69 - 127
1,1-Dichloroethene	20.0	17.79		ug/L		89	64 - 134
1,2,3-Trichloropropane	20.0	20.63		ug/L		103	70 - 122
1,2-Dibromo-3-chloropropane	20.0	17.80		ug/L		89	62 - 132
1,2-Dibromoethane (EDB)	20.0	18.22		ug/L		91	74 - 122
1,2-Dichlorobenzene	20.0	18.21		ug/L		91	74 - 120
1,2-Dichloroethane	20.0	17.33		ug/L		87	68 - 125
1,2-Dichloropropane	20.0	15.52		ug/L		78	72 - 128
1,4-Dichlorobenzene	20.0	17.67		ug/L		88	72 - 120
2-Butanone (MEK)	40.0	34.31		ug/L		86	60 - 134
2-Hexanone	40.0	34.50		ug/L		86	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	34.53		ug/L		86	62 - 136
Acetone	40.0	34.22		ug/L		86	59 - 136
Acrylonitrile	200	164.9		ug/L		82	50 - 150
Benzene	20.0	16.60		ug/L		83	71 - 125
Bromochloromethane	20.0	18.03		ug/L		90	69 - 131
Bromodichloromethane	20.0	16.91		ug/L		85	70 - 122
Bromoform	20.0	21.35		ug/L		107	62 - 122
Carbon disulfide	20.0	18.19		ug/L		91	58 - 137
Carbon tetrachloride	20.0	19.41		ug/L		97	63 - 136
Chlorobenzene	20.0	17.64		ug/L		88	74 - 120
Chlorodibromomethane	20.0	17.92		ug/L		90	69 - 121
Chloroform	20.0	17.02		ug/L		85	72 - 122
cis-1,2-Dichloroethene	20.0	17.32		ug/L		87	72 - 123
cis-1,3-Dichloropropene	20.0	16.97		ug/L		85	72 - 123
Dibromomethane	20.0	17.79		ug/L		89	72 - 122
Ethylbenzene	20.0	18.10		ug/L		91	75 - 120
Iodomethane	20.0	10.50		ug/L		52	18 - 150
Methylene chloride	20.0	18.28		ug/L		91	72 - 128
Styrene	20.0	17.69		ug/L		88	74 - 122
Tetrachloroethene	20.0	19.83		ug/L		99	70 - 128
Toluene	20.0	17.90		ug/L		89	74 - 120
trans-1,2-Dichloroethene	20.0	17.85		ug/L		89	67 - 127
trans-1,3-Dichloropropene	20.0	18.25		ug/L		91	67 - 123
trans-1,4-Dichloro-2-butene	20.0	19.12		ug/L		96	50 - 150

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

Lab Sample ID: LCS 310-468233/6
Matrix: Water
Analysis Batch: 468233

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	16.57		ug/L		83	70 - 128
Vinyl acetate	40.0	32.55		ug/L		81	50 - 150
Xylenes, Total	40.0	36.27		ug/L		91	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*76 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Lab Sample ID: LCS 310-468233/7
Matrix: Water
Analysis Batch: 468233

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	22.04		ug/L		110	33 - 138
Chloroethane	20.0	22.50		ug/L		113	59 - 139
Chloromethane	20.0	25.85		ug/L		129	52 - 146
Trichlorofluoromethane	20.0	23.75		ug/L		119	55 - 150
Vinyl chloride	20.0	22.62		ug/L		113	60 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*117*		*76 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-468442/1-A
Matrix: Water
Analysis Batch: 469410

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 468442

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		10/01/25 09:00	10/08/25 17:06	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		10/01/25 09:00	10/08/25 17:06	1
Barium	<0.00200		0.00200	0.000660	mg/L		10/01/25 09:00	10/08/25 17:06	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		10/01/25 09:00	10/08/25 17:06	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		10/01/25 09:00	10/08/25 17:06	1
Chromium	<0.00500		0.00500	0.00180	mg/L		10/01/25 09:00	10/08/25 17:06	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		10/01/25 09:00	10/08/25 17:06	1
Copper	<0.00500		0.00500	0.00320	mg/L		10/01/25 09:00	10/08/25 17:06	1
Lead	<0.000500		0.000500	0.000330	mg/L		10/01/25 09:00	10/08/25 17:06	1
Nickel	<0.00500		0.00500	0.00230	mg/L		10/01/25 09:00	10/08/25 17:06	1
Selenium	<0.00500		0.00500	0.00140	mg/L		10/01/25 09:00	10/08/25 17:06	1
Silver	<0.00100		0.00100	0.000500	mg/L		10/01/25 09:00	10/08/25 17:06	1
Thallium	<0.00100		0.00100	0.000570	mg/L		10/01/25 09:00	10/08/25 17:06	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		10/01/25 09:00	10/08/25 17:06	1
Zinc	<0.0200		0.0200	0.0130	mg/L		10/01/25 09:00	10/08/25 17:06	1

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

Lab Sample ID: LCS 310-468442/2-A
Matrix: Water
Analysis Batch: 469410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 468442

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2171		mg/L		109	80 - 120
Arsenic	0.200	0.2054		mg/L		103	80 - 120
Barium	0.100	0.09813		mg/L		98	80 - 120
Beryllium	0.100	0.1005		mg/L		100	80 - 120
Cadmium	0.100	0.1039		mg/L		104	80 - 120
Chromium	0.100	0.1021		mg/L		102	80 - 120
Cobalt	0.100	0.09810		mg/L		98	80 - 120
Copper	0.200	0.2181		mg/L		109	80 - 120
Lead	0.200	0.2114		mg/L		106	80 - 120
Nickel	0.200	0.1979		mg/L		99	80 - 120
Selenium	0.400	0.3928		mg/L		98	80 - 120
Silver	0.100	0.1115		mg/L		112	80 - 120
Thallium	0.100	0.1022		mg/L		102	80 - 120
Vanadium	0.100	0.1021		mg/L		102	80 - 120
Zinc	0.200	0.1918		mg/L		96	80 - 120

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

Lab Sample ID: MB 310-468203/1
Matrix: Water
Analysis Batch: 468203

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	<5.00		5.00	3.50	mg/L			09/29/25 06:55	1

Lab Sample ID: LCS 310-468203/2
Matrix: Water
Analysis Batch: 468203

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	82 - 117

QC Association Summary

Client: SCS Engineers
Project/Site: SAL September 2025 Retest and Background

Job ID: 310-316723-1
SDG: Scott Area Landfill

GC/MS VOA

Analysis Batch: 468233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-316723-1	UD-4	Total/NA	Ground Water	8260D	
310-316723-5	MW-117	Total/NA	Ground Water	8260D	
310-316723-6	Trip Blank	Total/NA	Water	8260D	
MB 310-468233/5	Method Blank	Total/NA	Water	8260D	
LCS 310-468233/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-468233/7	Lab Control Sample	Total/NA	Water	8260D	

Metals

Prep Batch: 468442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-316723-1	UD-4	Total/NA	Ground Water	3005A	
310-316723-2	MW-41	Total/NA	Ground Water	3005A	
310-316723-3	MW-48	Total/NA	Ground Water	3005A	
310-316723-4	OP-19	Total/NA	Ground Water	3005A	
310-316723-5	MW-117	Total/NA	Ground Water	3005A	
MB 310-468442/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-468442/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 469410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-316723-1	UD-4	Total/NA	Ground Water	6020B	468442
310-316723-2	MW-41	Total/NA	Ground Water	6020B	468442
310-316723-3	MW-48	Total/NA	Ground Water	6020B	468442
310-316723-4	OP-19	Total/NA	Ground Water	6020B	468442
310-316723-5	MW-117	Total/NA	Ground Water	6020B	468442
MB 310-468442/1-A	Method Blank	Total/NA	Water	6020B	468442
LCS 310-468442/2-A	Lab Control Sample	Total/NA	Water	6020B	468442

General Chemistry

Analysis Batch: 468203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-316723-1	UD-4	Total/NA	Ground Water	I-3765-85	
310-316723-2	MW-41	Total/NA	Ground Water	I-3765-85	
310-316723-3	MW-48	Total/NA	Ground Water	I-3765-85	
310-316723-4	OP-19	Total/NA	Ground Water	I-3765-85	
310-316723-5	MW-117	Total/NA	Ground Water	I-3765-85	
MB 310-468203/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-468203/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Lab Chronicle

Client: SCS Engineers
Project/Site: SAL September 2025 Retest and Background

Job ID: 310-316723-1
SDG: Scott Area Landfill

Client Sample ID: UD-4

Lab Sample ID: 310-316723-1

Date Collected: 09/24/25 11:06
Matrix: Ground Water
Date Received: 09/26/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	468233	WSE8	EET CF	09/29/25 22:26
Total/NA	Prep	3005A			468442	QTZ5	EET CF	10/01/25 09:00
Total/NA	Analysis	6020B		1	469410	NFT2	EET CF	10/08/25 17:28
Total/NA	Analysis	I-3765-85		1	468203	DGU1	EET CF	09/29/25 06:55

Client Sample ID: MW-41

Lab Sample ID: 310-316723-2

Date Collected: 09/25/25 10:08
Matrix: Ground Water
Date Received: 09/26/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			468442	QTZ5	EET CF	10/01/25 09:00
Total/NA	Analysis	6020B		1	469410	NFT2	EET CF	10/08/25 17:31
Total/NA	Analysis	I-3765-85		1	468203	DGU1	EET CF	09/29/25 06:55

Client Sample ID: MW-48

Lab Sample ID: 310-316723-3

Date Collected: 09/25/25 10:51
Matrix: Ground Water
Date Received: 09/26/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			468442	QTZ5	EET CF	10/01/25 09:00
Total/NA	Analysis	6020B		1	469410	NFT2	EET CF	10/08/25 17:34
Total/NA	Analysis	I-3765-85		1	468203	DGU1	EET CF	09/29/25 06:55

Client Sample ID: OP-19

Lab Sample ID: 310-316723-4

Date Collected: 09/24/25 12:45
Matrix: Ground Water
Date Received: 09/26/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			468442	QTZ5	EET CF	10/01/25 09:00
Total/NA	Analysis	6020B		1	469410	NFT2	EET CF	10/08/25 17:37
Total/NA	Analysis	I-3765-85		1	468203	DGU1	EET CF	09/29/25 06:55

Client Sample ID: MW-117

Lab Sample ID: 310-316723-5

Date Collected: 09/25/25 11:35
Matrix: Ground Water
Date Received: 09/26/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	468233	WSE8	EET CF	09/30/25 01:04
Total/NA	Prep	3005A			468442	QTZ5	EET CF	10/01/25 09:00
Total/NA	Analysis	6020B		1	469410	NFT2	EET CF	10/08/25 17:40
Total/NA	Analysis	I-3765-85		1	468203	DGU1	EET CF	09/29/25 06:55

Lab Chronicle

Client: SCS Engineers
Project/Site: SAL September 2025 Retest and Background

Job ID: 310-316723-1
SDG: Scott Area Landfill

Client Sample ID: Trip Blank
Date Collected: 09/25/25 00:00
Date Received: 09/26/25 16:30

Lab Sample ID: 310-316723-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	468233	WSE8	EET CF	09/29/25 20:10

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: 310-316723-1
Project/Site: SAL September 2025 Retest and Background
SDG: Scott Area Landfill

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

Method Summary

Client: SCS Engineers
Job ID: 310-316723-1
Project/Site: SAL September 2025 Retest and Background
SDG: Scott Area Landfill

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

eurofins | Environment Testing America

310-316723 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: SCS			
City/State. CITY: West Des Moines	STATE: IA	Project	
Receipt Information			
Date/Time Received	DATE: 9/26/25	TIME: 1650	Received By. SC

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? No	☐ Yes ☑ No	*If yes* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present? No	☐ Yes ☑ No	*If yes* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☑ Yes ☐ No	*If yes* Which VOA samples are in cooler? ↓

KJ1

Temperature Record

Coolant. ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other _____ ☐ NONE

Thermometer ID. BB	Correction Factor (°C) 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C). 2.2	Corrected Temp (°C): 7.2

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used		
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 50613-6907
phone 319 277 2401 fax 319 277 2425

Chain of Custody Record

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other

TestAmerica Laboratories, Inc d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Ohrt	Site Contact: Brian Seals	Date	COC No
Nathan Ohrt	Email nohrt@scsengineers.com	Lab Contact: Sam Miller	Carrier.	1 of 1 COCs
SCS Engineers	Cell 319-331-9613			Sampler
1690 All State Court, Suite 100	**Analysis Turnaround Time**			**For Lab Use Only**
West Des Moines, Iowa 50625	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
	Other:			Lab Sampling
Project Name SAL September 2025 Retest and Background	☐ 2 weeks			
Site Scott Area Landfill	☐ 1 week			Job / SDG No
P O # 27225277 26	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Cobalt	Total Suspended Solids	Appendix I	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Calcium	Chloride	Magnesium	Potassium	Sodium	Sulfate	Copper	Zinc	Arsenic	Lead	Zinc	Acetone	Trip Blank	Sample Specific Notes
~~OP-22~~	—	—	G	GW		N	N		X		X	X	X	X	X	X	X	X								NO Sample
UD-4	9-24	1106	G	GW		N	N		X	X																
MW-41	9-25	1008	G	GW		N	N		X										X	X						
MW-48	9-25	1051	G	GW		N	N		X										X							
OP-19	9-24	1245	G	GW		N	N		X										X							
MW-117	9-25	1135	G	GW		N	N		X												X	X	X	X		
Trip Blank																										
~~MW-49~~								X													X					NO Sample
~~MW-50~~								X													X					

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____		
Relinquished by: Garrett Horak	Company SCS	Date/Time 9/26/25 0AM	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time 9-26-25 1630

Form No. CA-C-WI-002, Rev. 4.23, dated 4/16/2019

10/9/2025

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-316723-1
SDG Number: Scott Area Landfill

Login Number: 316723
List Number: 1
Creator: Hirsch, Preston

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/14/2025 4:04:18 PM

JOB DESCRIPTION

SAL Fall 2025 2nd Retest
Scott Area Landfill

JOB NUMBER

310-320147-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

myEOL

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



Generated
11/14/2025 4:04:18 PM

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

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 5
Detection Summary 6
Client Sample Results 7
Definitions 10
QC Sample Results 11
QC Association 12
Chronicle 13
Certification Summary 14
Method Summary 15
Chain of Custody 16
Receipt Checklists 18

Job ID: 310-320147-1 — Eurofins Cedar Falls

Job Narrative
310-320147-1

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 11/7/2025 5:30 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 2.2°C.

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.

Sample Summary

Client: SCS Engineers
Project/Site: SAL Fall 2025 2nd Retest

Job ID: 310-320147-1
SDG: Scott Area Landfill

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-320147-1	MW-41	Ground Water	11/04/25 16:45	11/07/25 17:30	Iowa
310-320147-2	MW-48	Ground Water	11/05/25 10:25	11/07/25 17:30	Iowa
310-320147-3	MW-117	Ground Water	11/05/25 14:16	11/07/25 17:30	Iowa

Detection Summary

Client: SCS Engineers
Project/Site: SAL Fall 2025 2nd Retest

Job ID: 310-320147-1
SDG: Scott Area Landfill

Client Sample ID: MW-41 — Lab Sample ID: 310-320147-1

No Detections.

Client Sample ID: MW-48 — Lab Sample ID: 310-320147-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	8.50		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-117 — Lab Sample ID: 310-320147-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: SCS Engineers
Project/Site: SAL Fall 2025 2nd Retest

Job ID: 310-320147-1
SDG: Scott Area Landfill

Client Sample ID: MW-41
Date Collected: 11/04/25 16:45
Date Received: 11/07/25 17:30

Lab Sample ID: 310-320147-1
Matrix: Ground Water

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<0.0400		0.0400	0.0230	mg/L		11/11/25 08:30	11/14/25 13:33	1

Client Sample Results

Client: SCS Engineers
Project/Site: SAL Fall 2025 2nd Retest

Job ID: 310-320147-1
SDG: Scott Area Landfill

Client Sample ID: MW-48

Date Collected: 11/05/25 10:25
Date Received: 11/07/25 17:30

Lab Sample ID: 310-320147-2

Matrix: Ground Water

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.0200		0.0200	0.00770	mg/L		11/11/25 08:30	11/14/25 13:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	8.50		1.88	1.31	mg/L			11/10/25 11:29	1

Client: SCS Engineers
Project/Site: SAL Fall 2025 2nd Retest

Job ID: 310-320147-1
SDG: Scott Area Landfill

Client Sample ID: MW-117
Date Collected: 11/05/25 14:16
Date Received: 11/07/25 17:30

Lab Sample ID: 310-320147-3
Matrix: Ground Water

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<0.0400		0.0400	0.0230	mg/L		11/11/25 08:30	11/14/25 13:35	1

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: SCS Engineers
Project/Site: SAL Fall 2025 2nd Retest

Job ID: 310-320147-1
SDG: Scott Area Landfill

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 310-472996/1-A
Matrix: Water
Analysis Batch: 473641

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 472996

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.0200		0.0200	0.00770	mg/L		11/11/25 08:30	11/14/25 13:02	1
Zinc	<0.0400		0.0400	0.0230	mg/L		11/11/25 08:30	11/14/25 13:02	1

Lab Sample ID: LCS 310-472996/2-A
Matrix: Water
Analysis Batch: 473641

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 472996

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	2.00	2.001		mg/L		100	80 - 120
Zinc	2.00	1.915		mg/L		96	80 - 120

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

Lab Sample ID: MB 310-472965/1
Matrix: Water
Analysis Batch: 472965

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	<5.00		5.00	3.50	mg/L			11/10/25 11:29	1

Lab Sample ID: LCS 310-472965/2
Matrix: Water
Analysis Batch: 472965

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	82 - 117

QC Association Summary

Client: SCS Engineers
Project/Site: SAL Fall 2025 2nd Retest

Job ID: 310-320147-1
SDG: Scott Area Landfill

Metals

Prep Batch: 472996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320147-1	MW-41	Total/NA	Ground Water	3005A	
310-320147-2	MW-48	Total/NA	Ground Water	3005A	
310-320147-3	MW-117	Total/NA	Ground Water	3005A	
MB 310-472996/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-472996/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 473641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320147-1	MW-41	Total/NA	Ground Water	6010D	472996
310-320147-2	MW-48	Total/NA	Ground Water	6010D	472996
310-320147-3	MW-117	Total/NA	Ground Water	6010D	472996
MB 310-472996/1-A	Method Blank	Total/NA	Water	6010D	472996
LCS 310-472996/2-A	Lab Control Sample	Total/NA	Water	6010D	472996

General Chemistry

Analysis Batch: 472965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320147-2	MW-48	Total/NA	Ground Water	I-3765-85	
MB 310-472965/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-472965/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Lab Chronicle

Client: SCS Engineers
Project/Site: SAL Fall 2025 2nd Retest

Job ID: 310-320147-1
SDG: Scott Area Landfill

Client Sample ID: MW-41

Date Collected: 11/04/25 16:45
Date Received: 11/07/25 17:30

Lab Sample ID: 310-320147-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			472996	RLT9	EET CF	11/11/25 08:30
Total/NA	Analysis	6010D		1	473641	ZRI4	EET CF	11/14/25 13:33

Client Sample ID: MW-48

Date Collected: 11/05/25 10:25
Date Received: 11/07/25 17:30

Lab Sample ID: 310-320147-2

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			472996	RLT9	EET CF	11/11/25 08:30
Total/NA	Analysis	6010D		1	473641	ZRI4	EET CF	11/14/25 13:34
Total/NA	Analysis	I-3765-85		1	472965	DGU1	EET CF	11/10/25 11:29

Client Sample ID: MW-117

Date Collected: 11/05/25 14:16
Date Received: 11/07/25 17:30

Lab Sample ID: 310-320147-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			472996	RLT9	EET CF	11/11/25 08:30
Total/NA	Analysis	6010D		1	473641	ZRI4	EET CF	11/14/25 13:35

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: SAL Fall 2025 2nd Retest

Job ID: 310-320147-1
SDG: Scott Area Landfill

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

Method Summary

Client: SCS Engineers
Project/Site: SAL Fall 2025 2nd Retest

Job ID: 310-320147-1
SDG: Scott Area Landfill

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	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

eurofins | Environment Testing America

310-320147 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: SCS

City/State | CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 11/7/25 | TIME 1734 | Received By

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: IR9 | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 2.2 | Corrected Temp (°C): 2.2

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
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

MW-11 , MW-17 Missing 1L for TSS

EUROFINS
DES MOINES SERVICE CENTER
214

Chain of Custody Record

Eurofins TestAmerica, Cedar Falls
3019 Venture Way

Cedar Falls, IA 50613-6907
phone 319 277 2401 fax 319 277 2425

eurofins

11/14/2025

Regulatory Program: ☐DW ☐NPDES ☑RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Ohrt	Site Contact: Brian Seals	Date:	COC No
Nathan Ohrt	Email nohrt@scsengineers.com	Lab Contact: Sam Miller	Carrier:	1 of 1 COCs
SCS Engineers	Cell 319-331-9613			Sampler:
1690 All State Court, Suite 100	**Analysis Turnaround Time**			**For Lab Use Only:**
West Des Moines, Iowa 50625	☐CALENDAR DAYS ☐WORKING DAYS			Walk-in Client:
	Other:			Lab Sampling
Project Name. SAL Fall 2025 2nd Retest	☐ 2 weeks			
Site Scott Area Landfill	☐ 1 week			Job / SDG No
P O # 27225277 26	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Total Suspended Solids	Copper	Zinc	Sample Specific Notes:
MW-41	11-4	1645	G	GW		N	N	X		X	
MW-48	11-5	1025	G	GW		N	N	X	X		
MW-117	11-5	1416	G	GW		N	N	X		X	Bailer

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☑Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐Yes ☐No	Custody Seal No	Cooler Temp (°C) Obs'd ____ Corr'd ____ Therm ID No ____			
Relinquished by: Garrett Horals	Company: SCS	Date/Time: 12 10 11-7	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time	Received by:	Company:	Date/Time
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time: 11/7/25 1730

Form No. CA-C-WI-002, Rev. 4.23, dated 4/16/2019

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-320147-1
SDG Number: Scott Area Landfill

Login Number: 320147
List Number: 1
Creator: Schaufenbuel, Erin

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/20/2026 10:48:00 AM

JOB DESCRIPTION

Scott Area Landfill 2026 HMSP
SAL Winter 2024 Retest

JOB NUMBER

310-324268-2

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

myEOL

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



Generated
1/20/2026 10:48:00 AM

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

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 5
Detection Summary 6
Client Sample Results 7
Definitions 9
QC Sample Results 10
QC Association 11
Chronicle 12
Certification Summary 13
Method Summary 14
Chain of Custody 15
Receipt Checklists 18

Job Narrative
310-324268-2

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 1/17/2026 10:30 AM. 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 -0.6°C and 1.3°C.

Receipt Exceptions
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): MW-107 (310-324268-1), MW-114 (310-324268-2), OP-14 (310-324268-3), OP-19 (310-324268-4), MW-20AR (310-324268-5), MW-42 (310-324268-6), MW-43 (310-324268-7), MW-48 (310-324268-8), MW-117 (310-324268-9), MW-118 (310-324268-10), MW-DA (310-324268-11), Trip Blank 1 (310-324268-13) and Trip Blank 2 (310-324268-14). The container labels list <SAMPLE_ID>, while the COC lists <SAMPLEID>. The client was contacted, and the lab was instructed to <EXPLANATION_REQUIRED>.

HPLC/IC
Method 9056A: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-107 (310-324268-1) and MW-114 (310-324268-2).

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

Sample Summary

Client: SCS Engineers
Job ID: 310-324268-2
Project/Site: Scott Area Landfill 2026 HMSP

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-324268-1	MW-107	Water	01/13/26 14:24	01/17/26 10:30	Iowa
310-324268-2	MW-114	Water	01/13/26 15:16	01/17/26 10:30	Iowa

Detection Summary

Client: SCS Engineers
Job ID: 310-324268-2
Project/Site: Scott Area Landfill 2026 HMSP

Client Sample ID: MW-107
Lab Sample ID: 310-324268-1

No Detections.

Client Sample ID: MW-114
Lab Sample ID: 310-324268-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	1.78	H H3	0.200	0.0780	mg/L	1		9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: SCS Engineers
Job ID: 310-324268-2
Project/Site: Scott Area Landfill 2026 HMSP

Client Sample ID: MW-107
Lab Sample ID: 310-324268-1
Date Collected: 01/13/26 14:24
Matrix: Water
Date Received: 01/17/26 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.200	H H3	0.200	0.0780	mg/L			01/19/26 10:52	1

Client Sample Results

Client: SCS Engineers
Job ID: 310-324268-2
Project/Site: Scott Area Landfill 2026 HMSP

Client Sample ID: MW-114
Lab Sample ID: 310-324268-2
Date Collected: 01/13/26 15:16
Matrix: Water
Date Received: 01/17/26 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	1.78	H H3	0.200	0.0780	mg/L			01/19/26 11:05	1

Definitions/Glossary

Client: SCS Engineers
Job ID: 310-324268-2
Project/Site: Scott Area Landfill 2026 HMSP

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past 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

Client: SCS Engineers
Job ID: 310-324268-2
Project/Site: Scott Area Landfill 2026 HMSP

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-478785/3
Matrix: Water
Analysis Batch: 478785

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.200		0.200	0.0780	mg/L			01/15/26 15:44	1

Lab Sample ID: LCS 310-478785/4
Matrix: Water
Analysis Batch: 478785

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			2.00	1.928		mg/L		96	90 - 110		

QC Association Summary

Client: SCS Engineers
Job ID: 310-324268-2
Project/Site: Scott Area Landfill 2026 HMSP

HPLC/IC

Analysis Batch: 478785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-1	MW-107	Total/NA	Water	9056A	
310-324268-2	MW-114	Total/NA	Water	9056A	
MB 310-478785/3	Method Blank	Total/NA	Water	9056A	
LCS 310-478785/4	Lab Control Sample	Total/NA	Water	9056A	

Lab Chronicle

Client: SCS Engineers
Job ID: 310-324268-2
Project/Site: Scott Area Landfill 2026 HMSP

Client Sample ID: MW-107
Lab Sample ID: 310-324268-1
Date Collected: 01/13/26 14:24
Matrix: Water
Date Received: 01/17/26 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	478785	ZRI4	EET CF	01/19/26 10:52

Client Sample ID: MW-114
Lab Sample ID: 310-324268-2
Date Collected: 01/13/26 15:16
Matrix: Water
Date Received: 01/17/26 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	478785	ZRI4	EET CF	01/19/26 11:05

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: 310-324268-2
Project/Site: Scott Area Landfill 2026 HMSP

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: 310-324268-2
Project/Site: Scott Area Landfill 2026 HMSP

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET CF

Protocol References:

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

Laboratory References:

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

eurofins | Environment Testing America

310-324268 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: SCS

City/State: CITY W. Des Moines STATE IA Project

Receipt Information

Date/Time Received: DATE 1-17-26 TIME 1030 Received By: PH

Delivery Type. ☐ UPS ☑ FedEx Sat ☐ 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 # 1 of 2

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? ↓

MW-43, 117, 118, DA

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other._____ ☐ NONE

Thermometer ID AA Correction Factor (°C) 0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): -0.1 Corrected Temp (°C) -0.1

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
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

Received MW-DA

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: SCS

City/State: CITY W. Des Moines STATE IA | Project:

Receipt Information

Date/Time Received: DATE 1.17.26 TIME 1030 | Received By: PH

Delivery Type: ☐ UPS ☒ FedEx Sat ☐ 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 # 2 of 2

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? ↓

The rest

Temperature Record

Coolant. ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID AA | Correction Factor (°C) 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.3 | Corrected Temp (°C): 1.3

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used.		
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 50613-6907
phone 319.277.2401 fax 319.277.2425

Chain of Custody Record

Eurofins Davenport SC 212

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Ohrt	Site Contact: Brian Seals	Date:	COC No
Nathan Ohrt	Email nohrt@scsengineers.com	Lab Contact: Sam Miller	Carrier:	1 of 1 CC
SCS Engineers	Cell 319-331-9613			Sampler:
1690 All State Court, Suite 100	Analysis Turnaround Time			For Lab Use Only:
West Des Moines, IA 50265	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
	Other:			Lab Sampling
Project Name. SAL 2nd 2025 HMSP Geochemistry & NA	☐ 2 weeks			
Site. Scott Area Landfill	☐ 1 week			Job / SDG No.
P O # 27225277.26	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Appendix I	Total Suspended Solids	Sulfide	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Calcium	Chloride	Magnesium	Potassium	Sodium	Sulfate	Total Organic Carbon	Nitrate	Ammonia	Total Iron	Total Manganese	Trip Blank	Sample Specific Nc
MW-107	1-13	1429	G	GW		N	N	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		
MW-114	1-13	1516	G	GW		N	N	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		
OP-14	1-13	1313	G	GW		N	N	X	X																
OP-19	1-14	1447	G	GW		N	N	X	X																
MW-20AR	1600	1-13	G	GW		N	N	X	X	X															
~~MW-41~~	—	—	G	GW		N	N	X	X																No Sample
MW-42	1-14	1402	G	GW		N	N	X	X																
MW-43	1-13	1225	G	GW		N	N	X	X																
MW-48	1-15	1129	G	GW		N	N	X	X																
MW-117	1-13	~~1-15~~	1349	G	GW		N	N	X	X																
MW-118	1-15	~~1-13~~	1215	G	GW		N	N	X	X																
~~UB-4~~				G	GW		N	N	X	X																No Sample
MW-DA	—	—	G	GW		N	N	X	X																
Trip Blank						N																		X	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments.

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd	Corr'd	Therm ID No.

Relinquished by: Garrett Hoank	Company: SCS	Date/Time: 1-15 ~~1615~~	Received by: Michelle Spiegel	Company: Eurofins	1-15-24 1627
Relinquished by: Michelle Spiegel	Company: Eurofins	Date/Time: 1-16-24 1615	Received by:	Company:	
Relinquished by:	Company:	Date/Time: 1500	Received in Laboratory by:	Company:	1-17-24 1030

Form No. CA-C-WI-002, Rev. 4.23, dated 4/16/2019

1/20/2026

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-324268-2

Login Number: 324268

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Hickman, Emma

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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)	False	Nitrates
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/29/2026 12:40:05 PM

JOB DESCRIPTION

Scott Area Landfill 2026 HMSP
SAL Winter 2024 Retest

JOB NUMBER

310-324268-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

myEOL

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



Generated
1/29/2026 12:40:05 PM

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

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 6
Detection Summary 7
Client Sample Results 10
Definitions 36
Surrogate Summary 37
QC Sample Results 38
QC Association 51
Chronicle 54
Certification Summary 57
Method Summary 58
Chain of Custody 59
Receipt Checklists 63

Job ID: 310-324268-1 Eurofins Cedar Falls

Job Narrative
310-324268-1

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 1/17/2026 10:30 AM. 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 -0.6°C and 1.3°C.

Receipt Exceptions
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): MW-107 (310-324268-1), MW-114 (310-324268-2), OP-14 (310-324268-3), OP-19 (310-324268-4), MW-20AR (310-324268-5), MW-42 (310-324268-6), MW-43 (310-324268-7), MW-48 (310-324268-8), MW-117 (310-324268-9), MW-118 (310-324268-10), MW-DA (310-324268-11), Trip Blank 1 (310-324268-13) and Trip Blank 2 (310-324268-14). The container labels list <SAMPLE_ID>, while the COC lists <SAMPLEID>. The client was contacted, and the lab was instructed to <EXPLANATION_REQUIRED>.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 310-478757 recovered above the upper control limit for Carbon tetrachloride (23%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 310-478757/3).

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 2 (310-324268-14).

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.

Job ID: 310-324268-2 Eurofins Cedar Falls

Job Narrative
310-324268-2

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 1/17/2026 10:30 AM. 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 -0.6°C and 1.3°C.

Receipt Exceptions
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): MW-107 (310-324268-1), MW-114 (310-324268-2), OP-14 (310-324268-3), OP-19 (310-324268-4), MW-20AR (310-324268-5), MW-42 (310-324268-6), MW-43 (310-324268-7), MW-48 (310-324268-8), MW-117 (310-324268-9), MW-118 (310-324268-10), MW-DA (310-324268-11), Trip Blank 1 (310-324268-13) and Trip Blank 2 (310-324268-14). The container labels list <SAMPLE_ID>, while the COC lists <SAMPLEID>. The client was contacted, and the lab was instructed to <EXPLANATION_REQUIRED>.

HPLC/IC
Method 9056A: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-107 (310-324268-1) and MW-114 (310-324268-2).

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

Sample Summary

Client: SCS Engineers
Project/Site: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-324268-1	MW-107	Water	01/13/26 14:24	01/17/26 10:30	Iowa
310-324268-2	MW-114	Water	01/13/26 15:16	01/17/26 10:30	Iowa
310-324268-3	OP-14	Water	01/13/26 13:13	01/17/26 10:30	Iowa
310-324268-4	OP-19	Water	01/14/26 14:47	01/17/26 10:30	Iowa
310-324268-5	MW-20AR	Water	01/13/26 16:00	01/17/26 10:30	Iowa
310-324268-6	MW-42	Water	01/14/26 14:02	01/17/26 10:30	Iowa
310-324268-7	MW-43	Water	01/13/26 12:25	01/17/26 10:30	Iowa
310-324268-8	MW-48	Water	01/15/26 11:28	01/17/26 10:30	Iowa
310-324268-9	MW-117	Water	01/13/26 13:49	01/17/26 10:30	Iowa
310-324268-10	MW-118	Water	01/15/26 12:15	01/17/26 10:30	Iowa
310-324268-11	MW-DA	Water	01/13/26 00:00	01/17/26 10:30	Iowa
310-324268-13	Trip Blank 1	Water	01/13/26 00:00	01/17/26 10:30	Iowa
310-324268-14	Trip Blank 2	Water	01/13/26 00:00	01/17/26 10:30	Iowa

Detection Summary

Client: SCS Engineers
Project/Site: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Client Sample ID: MW-107 — Lab Sample ID: 310-324268-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	0.861	J	1.00	0.450	mg/L	1		9056A	Total/NA
Sulfate	0.561	J	1.00	0.420	mg/L	1		9056A	Total/NA
Calcium	72.3		1.00	0.170	mg/L	1		6010D	Total/NA
Iron	0.684		0.500	0.0790	mg/L	1		6010D	Total/NA
Magnesium	29.2		1.00	0.120	mg/L	1		6010D	Total/NA
Manganese	0.265		0.0100	0.00410	mg/L	1		6010D	Total/NA
Potassium	3.24		2.00	1.10	mg/L	1		6010D	Total/NA
Sodium	26.4		2.00	1.00	mg/L	1		6010D	Total/NA
Arsenic	0.00103	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.144		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000689		0.000500	0.000170	mg/L	1		6020B	Total/NA
Vanadium	0.00232	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Ammonia as N	0.770		0.500	0.120	mg/L	1		350.1	Total/NA
Total Suspended Solids	25.8		3.75	2.63	mg/L	1		I-3765-85	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	373		5.00	2.50	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	373		5.00	2.50	mg/L	1		SM 2320B	Total/NA
Total Organic Carbon	3.13		1.00	0.500	mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-114 — Lab Sample ID: 310-324268-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	18.9		1.00	0.450	mg/L	1		9056A	Total/NA
Nitrate as N	1.78	H H3	0.200	0.0780	mg/L	1		9056A	Total/NA
Sulfate	38.4		1.00	0.420	mg/L	1		9056A	Total/NA
Calcium	94.6		1.00	0.170	mg/L	1		6010D	Total/NA
Iron	0.113	J	0.500	0.0790	mg/L	1		6010D	Total/NA
Magnesium	42.7		1.00	0.120	mg/L	1		6010D	Total/NA
Manganese	0.0187		0.0100	0.00410	mg/L	1		6010D	Total/NA
Sodium	8.22		2.00	1.00	mg/L	1		6010D	Total/NA
Arsenic	0.000642	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0984		0.00200	0.000660	mg/L	1		6020B	Total/NA
Vanadium	0.00313	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	5.12		1.88	1.31	mg/L	1		I-3765-85	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	376		5.00	2.50	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	376		5.00	2.50	mg/L	1		SM 2320B	Total/NA
Total Organic Carbon	1.35		1.00	0.500	mg/L	1		SM 5310C	Total/NA

Client Sample ID: OP-14 — Lab Sample ID: 310-324268-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00249		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0733		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.0104		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0228		0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00193	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.13		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: OP-19 — Lab Sample ID: 310-324268-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00167	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.234		0.00200	0.000660	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample ID: OP-19 (Continued) — Lab Sample ID: 310-324268-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.000489		0.000200	0.000100	mg/L	1		6020B	Total/NA
Chromium	0.00197	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Cobalt	0.00427		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.00397	J	0.00500	0.00320	mg/L	1		6020B	Total/NA
Lead	0.000887		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.0111		0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00493	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	30.0		5.00	3.50	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-20AR — Lab Sample ID: 310-324268-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00338		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0497		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000485	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.0252		0.00500	0.00320	mg/L	1		6020B	Total/NA
Vanadium	0.00237	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Zinc	0.0146	J	0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	8.50		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-42 — Lab Sample ID: 310-324268-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0230		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.278		0.00200	0.000660	mg/L	1		6020B	Total/NA
Chromium	0.00194	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Cobalt	0.00171		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.00135		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.00527		0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00356	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	97.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-43 — Lab Sample ID: 310-324268-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00118	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0837		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00102		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00281	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	7.13		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-48 — Lab Sample ID: 310-324268-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00107	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0825		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000204	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.00502		0.00500	0.00320	mg/L	1		6020B	Total/NA
Nickel	0.0108		0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00291	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.13		1.88	1.31	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: SCS Engineers
Project/Site: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Client Sample ID: MW-117 — Lab Sample ID: 310-324268-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0253		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.290		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00505		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000339	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Total Suspended Solids	60.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-118 — Lab Sample ID: 310-324268-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	62.7		10.0	3.80	ug/L	1		8260D	Total/NA
Benzene	2.24		0.500	0.220	ug/L	1		8260D	Total/NA
Toluene	0.514	J	1.00	0.430	ug/L	1		8260D	Total/NA
Arsenic	0.0166		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.130		0.00200	0.000660	mg/L	1		6020B	Total/NA
Chromium	0.00460	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Cobalt	0.00149		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000878		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.0174		0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00749		0.00500	0.00170	mg/L	1		6020B	Total/NA
Zinc	0.0136	J	0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	92.0		60.0	42.0	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-DA — Lab Sample ID: 310-324268-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00107	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0888		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000198	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.00555		0.00500	0.00320	mg/L	1		6020B	Total/NA
Nickel	0.0117		0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00258	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	1.75	J	1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: Trip Blank 1 — Lab Sample ID: 310-324268-13

No Detections.

Client Sample ID: Trip Blank 2 — Lab Sample ID: 310-324268-14

No Detections.

This Detection Summary does not include radiochemical test results.

Client: SCS Engineers
Project/Site: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Client Sample ID: MW-107
Date Collected: 01/13/26 14:24
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-1
Matrix: Water

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	0.380	ug/L			01/19/26 20:02	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			01/19/26 20:02	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			01/19/26 20:02	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			01/19/26 20:02	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			01/19/26 20:02	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			01/19/26 20:02	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			01/19/26 20:02	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/19/26 20:02	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/19/26 20:02	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/19/26 20:02	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			01/19/26 20:02	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			01/19/26 20:02	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			01/19/26 20:02	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			01/19/26 20:02	1
2-Hexanone	<10.0		10.0	3.80	ug/L			01/19/26 20:02	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			01/19/26 20:02	1
Acetone	<10.0		10.0	3.80	ug/L			01/19/26 20:02	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/19/26 20:02	1
Benzene	<0.500		0.500	0.220	ug/L			01/19/26 20:02	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			01/19/26 20:02	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/19/26 20:02	1
Bromoform	<5.00		5.00	2.60	ug/L			01/19/26 20:02	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/19/26 20:02	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/19/26 20:02	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/19/26 20:02	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			01/19/26 20:02	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			01/19/26 20:02	1
Chloroethane	<4.00		4.00	0.900	ug/L			01/19/26 20:02	1
Chloroform	<3.00		3.00	1.30	ug/L			01/19/26 20:02	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/19/26 20:02	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			01/19/26 20:02	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			01/19/26 20:02	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/19/26 20:02	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			01/19/26 20:02	1
Iodomethane	<10.0		10.0	2.60	ug/L			01/19/26 20:02	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/19/26 20:02	1
Styrene	<1.00		1.00	0.370	ug/L			01/19/26 20:02	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/19/26 20:02	1
Toluene	<1.00		1.00	0.430	ug/L			01/19/26 20:02	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			01/19/26 20:02	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			01/19/26 20:02	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			01/19/26 20:02	1
Trichloroethene	<1.00		1.00	0.350	ug/L			01/19/26 20:02	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			01/19/26 20:02	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			01/19/26 20:02	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			01/19/26 20:02	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			01/19/26 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*76 - 130*		*01/19/26 20:02*	*1*

Client Sample ID: MW-107

Date Collected: 01/13/26 14:24
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-1

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/19/26 20:02*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*01/19/26 20:02*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.861**	**J**	1.00	0.450	mg/L			01/19/26 10:52	1
Nitrate as N	<0.200	H H3	0.200	0.0780	mg/L			01/19/26 10:52	1
Sulfate	**0.561**	**J**	1.00	0.420	mg/L			01/19/26 10:52	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**72.3**		1.00	0.170	mg/L		01/22/26 08:06	01/26/26 13:50	1
Iron	**0.684**		0.500	0.0790	mg/L		01/22/26 08:06	01/26/26 13:50	1
Magnesium	**29.2**		1.00	0.120	mg/L		01/22/26 08:06	01/26/26 13:50	1
Manganese	**0.265**		0.0100	0.00410	mg/L		01/22/26 08:06	01/26/26 13:50	1
Potassium	**3.24**		2.00	1.10	mg/L		01/22/26 08:06	01/26/26 13:50	1
Sodium	**26.4**		2.00	1.00	mg/L		01/22/26 08:06	01/26/26 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		01/21/26 08:54	01/28/26 15:08	1
Arsenic	**0.00103**	**J**	0.00200	0.000530	mg/L		01/21/26 08:54	01/28/26 15:08	1
Barium	**0.144**		0.00200	0.000660	mg/L		01/21/26 08:54	01/28/26 15:08	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		01/21/26 08:54	01/28/26 15:08	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		01/21/26 08:54	01/28/26 15:08	1
Chromium	<0.00500		0.00500	0.00180	mg/L		01/21/26 08:54	01/28/26 15:08	1
Cobalt	**0.000689**		0.000500	0.000170	mg/L		01/21/26 08:54	01/28/26 15:08	1
Copper	<0.00500		0.00500	0.00320	mg/L		01/21/26 08:54	01/28/26 15:08	1
Lead	<0.000500		0.000500	0.000330	mg/L		01/21/26 08:54	01/28/26 15:08	1
Nickel	<0.00500		0.00500	0.00230	mg/L		01/21/26 08:54	01/28/26 15:08	1
Selenium	<0.00500		0.00500	0.00140	mg/L		01/21/26 08:54	01/28/26 15:08	1
Silver	<0.00100		0.00100	0.000500	mg/L		01/21/26 08:54	01/28/26 15:08	1
Thallium	<0.00100		0.00100	0.000570	mg/L		01/21/26 08:54	01/28/26 15:08	1
Vanadium	**0.00232**	**J**	0.00500	0.00170	mg/L		01/21/26 08:54	01/28/26 15:08	1
Zinc	<0.0200		0.0200	0.0130	mg/L		01/21/26 08:54	01/28/26 15:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	**0.770**		0.500	0.120	mg/L			01/22/26 15:10	1
Total Suspended Solids (USGS I-3765-85)	**25.8**		3.75	2.63	mg/L			01/19/26 11:59	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B)	**373**		5.00	2.50	mg/L			01/21/26 14:21	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**373**		5.00	2.50	mg/L			01/21/26 14:21	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			01/21/26 14:21	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B)	<5.00		5.00	2.50	mg/L			01/21/26 14:21	1
Total Organic Carbon (SM 5310C)	**3.13**		1.00	0.500	mg/L			01/22/26 07:27	1

Client: SCS Engineers
Project/Site: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Client Sample ID: MW-114

Date Collected: 01/13/26 15:16
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-2

Matrix: Water

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	0.380	ug/L			01/19/26 20:24	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			01/19/26 20:24	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			01/19/26 20:24	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			01/19/26 20:24	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			01/19/26 20:24	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			01/19/26 20:24	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			01/19/26 20:24	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/19/26 20:24	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/19/26 20:24	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/19/26 20:24	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			01/19/26 20:24	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			01/19/26 20:24	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			01/19/26 20:24	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			01/19/26 20:24	1
2-Hexanone	<10.0		10.0	3.80	ug/L			01/19/26 20:24	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			01/19/26 20:24	1
Acetone	<10.0		10.0	3.80	ug/L			01/19/26 20:24	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/19/26 20:24	1
Benzene	<0.500		0.500	0.220	ug/L			01/19/26 20:24	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			01/19/26 20:24	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/19/26 20:24	1
Bromoform	<5.00		5.00	2.60	ug/L			01/19/26 20:24	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/19/26 20:24	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/19/26 20:24	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/19/26 20:24	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			01/19/26 20:24	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			01/19/26 20:24	1
Chloroethane	<4.00		4.00	0.900	ug/L			01/19/26 20:24	1
Chloroform	<3.00		3.00	1.30	ug/L			01/19/26 20:24	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/19/26 20:24	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			01/19/26 20:24	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			01/19/26 20:24	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/19/26 20:24	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			01/19/26 20:24	1
Iodomethane	<10.0		10.0	2.60	ug/L			01/19/26 20:24	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/19/26 20:24	1
Styrene	<1.00		1.00	0.370	ug/L			01/19/26 20:24	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/19/26 20:24	1
Toluene	<1.00		1.00	0.430	ug/L			01/19/26 20:24	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			01/19/26 20:24	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			01/19/26 20:24	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			01/19/26 20:24	1
Trichloroethene	<1.00		1.00	0.350	ug/L			01/19/26 20:24	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			01/19/26 20:24	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			01/19/26 20:24	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			01/19/26 20:24	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			01/19/26 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*76 - 130*		*01/19/26 20:24*	*1*

Client Sample ID: MW-114

Date Collected: 01/13/26 15:16
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/19/26 20:24*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*01/19/26 20:24*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.9**		1.00	0.450	mg/L			01/19/26 11:05	1
Nitrate as N	**1.78**	**H H3**	0.200	0.0780	mg/L			01/19/26 11:05	1
Sulfate	**38.4**		1.00	0.420	mg/L			01/19/26 11:05	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**94.6**		1.00	0.170	mg/L		01/22/26 08:06	01/26/26 13:56	1
Iron	**0.113**	**J**	0.500	0.0790	mg/L		01/22/26 08:06	01/26/26 13:56	1
Magnesium	**42.7**		1.00	0.120	mg/L		01/22/26 08:06	01/26/26 13:56	1
Manganese	**0.0187**		0.0100	0.00410	mg/L		01/22/26 08:06	01/26/26 13:56	1
Potassium	<2.00		2.00	1.10	mg/L		01/22/26 08:06	01/26/26 13:56	1
Sodium	**8.22**		2.00	1.00	mg/L		01/22/26 08:06	01/26/26 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		01/21/26 08:54	01/28/26 15:11	1
Arsenic	**0.000642**	**J**	0.00200	0.000530	mg/L		01/21/26 08:54	01/28/26 15:11	1
Barium	**0.0984**		0.00200	0.000660	mg/L		01/21/26 08:54	01/28/26 15:11	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		01/21/26 08:54	01/28/26 15:11	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		01/21/26 08:54	01/28/26 15:11	1
Chromium	<0.00500		0.00500	0.00180	mg/L		01/21/26 08:54	01/28/26 15:11	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		01/21/26 08:54	01/28/26 15:11	1
Copper	<0.00500		0.00500	0.00320	mg/L		01/21/26 08:54	01/28/26 15:11	1
Lead	<0.000500		0.000500	0.000330	mg/L		01/21/26 08:54	01/28/26 15:11	1
Nickel	<0.00500		0.00500	0.00230	mg/L		01/21/26 08:54	01/28/26 15:11	1
Selenium	<0.00500		0.00500	0.00140	mg/L		01/21/26 08:54	01/28/26 15:11	1
Silver	<0.00100		0.00100	0.000500	mg/L		01/21/26 08:54	01/28/26 15:11	1
Thallium	<0.00100		0.00100	0.000570	mg/L		01/21/26 08:54	01/28/26 15:11	1
Vanadium	**0.00313**	**J**	0.00500	0.00170	mg/L		01/21/26 08:54	01/28/26 15:11	1
Zinc	<0.0200		0.0200	0.0130	mg/L		01/21/26 08:54	01/28/26 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	<0.500		0.500	0.120	mg/L			01/22/26 15:14	1
Total Suspended Solids (USGS I-3765-85)	**5.12**		1.88	1.31	mg/L			01/19/26 11:59	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B)	**376**		5.00	2.50	mg/L			01/21/26 14:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**376**		5.00	2.50	mg/L			01/21/26 14:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			01/21/26 14:31	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B)	<5.00		5.00	2.50	mg/L			01/21/26 14:31	1
Total Organic Carbon (SM 5310C)	**1.35**		1.00	0.500	mg/L			01/22/26 08:03	1

Client: SCS Engineers
Project/Site: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Client Sample ID: OP-14

Date Collected: 01/13/26 13:13
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-3

Matrix: Water

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	0.380	ug/L			01/19/26 20:47	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			01/19/26 20:47	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			01/19/26 20:47	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			01/19/26 20:47	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			01/19/26 20:47	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			01/19/26 20:47	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			01/19/26 20:47	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/19/26 20:47	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/19/26 20:47	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/19/26 20:47	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			01/19/26 20:47	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			01/19/26 20:47	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			01/19/26 20:47	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			01/19/26 20:47	1
2-Hexanone	<10.0		10.0	3.80	ug/L			01/19/26 20:47	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			01/19/26 20:47	1
Acetone	<10.0		10.0	3.80	ug/L			01/19/26 20:47	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/19/26 20:47	1
Benzene	<0.500		0.500	0.220	ug/L			01/19/26 20:47	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			01/19/26 20:47	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/19/26 20:47	1
Bromoform	<5.00		5.00	2.60	ug/L			01/19/26 20:47	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/19/26 20:47	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/19/26 20:47	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/19/26 20:47	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			01/19/26 20:47	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			01/19/26 20:47	1
Chloroethane	<4.00		4.00	0.900	ug/L			01/19/26 20:47	1
Chloroform	<3.00		3.00	1.30	ug/L			01/19/26 20:47	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/19/26 20:47	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			01/19/26 20:47	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			01/19/26 20:47	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/19/26 20:47	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			01/19/26 20:47	1
Iodomethane	<10.0		10.0	2.60	ug/L			01/19/26 20:47	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/19/26 20:47	1
Styrene	<1.00		1.00	0.370	ug/L			01/19/26 20:47	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/19/26 20:47	1
Toluene	<1.00		1.00	0.430	ug/L			01/19/26 20:47	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			01/19/26 20:47	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			01/19/26 20:47	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			01/19/26 20:47	1
Trichloroethene	<1.00		1.00	0.350	ug/L			01/19/26 20:47	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			01/19/26 20:47	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			01/19/26 20:47	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			01/19/26 20:47	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			01/19/26 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*76 - 130*		*01/19/26 20:47*	*1*

Client Sample ID: OP-14

Date Collected: 01/13/26 13:13
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-3

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*01/19/26 20:47*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*01/19/26 20:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		01/21/26 08:54	01/28/26 15:13	1
Arsenic	**0.00249**		0.00200	0.000530	mg/L		01/21/26 08:54	01/28/26 15:13	1
Barium	**0.0733**		0.00200	0.000660	mg/L		01/21/26 08:54	01/28/26 15:13	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		01/21/26 08:54	01/28/26 15:13	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		01/21/26 08:54	01/28/26 15:13	1
Chromium	<0.00500		0.00500	0.00180	mg/L		01/21/26 08:54	01/28/26 15:13	1
Cobalt	**0.0104**		0.000500	0.000170	mg/L		01/21/26 08:54	01/28/26 15:13	1
Copper	<0.00500		0.00500	0.00320	mg/L		01/21/26 08:54	01/28/26 15:13	1
Lead	<0.000500		0.000500	0.000330	mg/L		01/21/26 08:54	01/28/26 15:13	1
Nickel	**0.0228**		0.00500	0.00230	mg/L		01/21/26 08:54	01/28/26 15:13	1
Selenium	<0.00500		0.00500	0.00140	mg/L		01/21/26 08:54	01/28/26 15:13	1
Silver	<0.00100		0.00100	0.000500	mg/L		01/21/26 08:54	01/28/26 15:13	1
Thallium	<0.00100		0.00100	0.000570	mg/L		01/21/26 08:54	01/28/26 15:13	1
Vanadium	**0.00193**	**J**	0.00500	0.00170	mg/L		01/21/26 08:54	01/28/26 15:13	1
Zinc	<0.0200		0.0200	0.0130	mg/L		01/21/26 08:54	01/28/26 15:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.13**		1.88	1.31	mg/L			01/19/26 11:59	1

Client Sample ID: OP-19

Date Collected: 01/14/26 14:47
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-4

Matrix: Water

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	0.380	ug/L			01/21/26 12:24	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			01/21/26 12:24	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			01/21/26 12:24	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			01/21/26 12:24	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			01/21/26 12:24	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			01/21/26 12:24	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			01/21/26 12:24	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/21/26 12:24	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/21/26 12:24	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/21/26 12:24	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			01/21/26 12:24	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			01/21/26 12:24	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			01/21/26 12:24	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			01/21/26 12:24	1
2-Hexanone	<10.0		10.0	3.80	ug/L			01/21/26 12:24	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			01/21/26 12:24	1
Acetone	<10.0		10.0	3.80	ug/L			01/21/26 12:24	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/21/26 12:24	1
Benzene	<0.500		0.500	0.220	ug/L			01/21/26 12:24	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			01/21/26 12:24	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/21/26 12:24	1
Bromoform	<5.00		5.00	2.60	ug/L			01/21/26 12:24	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/21/26 12:24	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/21/26 12:24	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/21/26 12:24	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			01/21/26 12:24	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			01/21/26 12:24	1
Chloroethane	<4.00		4.00	0.900	ug/L			01/21/26 12:24	1
Chloroform	<3.00		3.00	1.30	ug/L			01/21/26 12:24	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/21/26 12:24	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			01/21/26 12:24	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			01/21/26 12:24	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/21/26 12:24	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			01/21/26 12:24	1
Iodomethane	<10.0		10.0	2.60	ug/L			01/21/26 12:24	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/21/26 12:24	1
Styrene	<1.00		1.00	0.370	ug/L			01/21/26 12:24	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/21/26 12:24	1
Toluene	<1.00		1.00	0.430	ug/L			01/21/26 12:24	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			01/21/26 12:24	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			01/21/26 12:24	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			01/21/26 12:24	1
Trichloroethene	<1.00		1.00	0.350	ug/L			01/21/26 12:24	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			01/21/26 12:24	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			01/21/26 12:24	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			01/21/26 12:24	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			01/21/26 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*76 - 130*		*01/21/26 12:24*	*1*

Client Sample ID: OP-19

Date Collected: 01/14/26 14:47
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-4

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/21/26 12:24*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*01/21/26 12:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		01/21/26 08:54	01/28/26 15:19	1
Arsenic	**0.00167**	**J**	0.00200	0.000530	mg/L		01/21/26 08:54	01/28/26 15:19	1
Barium	**0.234**		0.00200	0.000660	mg/L		01/21/26 08:54	01/28/26 15:19	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		01/21/26 08:54	01/28/26 15:19	1
Cadmium	**0.000489**		0.000200	0.000100	mg/L		01/21/26 08:54	01/28/26 15:19	1
Chromium	**0.00197**	**J**	0.00500	0.00180	mg/L		01/21/26 08:54	01/28/26 15:19	1
Cobalt	**0.00427**		0.000500	0.000170	mg/L		01/21/26 08:54	01/28/26 15:19	1
Copper	**0.00397**	**J**	0.00500	0.00320	mg/L		01/21/26 08:54	01/28/26 15:19	1
Lead	**0.000887**		0.000500	0.000330	mg/L		01/21/26 08:54	01/28/26 15:19	1
Nickel	**0.0111**		0.00500	0.00230	mg/L		01/21/26 08:54	01/28/26 15:19	1
Selenium	<0.00500		0.00500	0.00140	mg/L		01/21/26 08:54	01/28/26 15:19	1
Silver	<0.00100		0.00100	0.000500	mg/L		01/21/26 08:54	01/28/26 15:19	1
Thallium	<0.00100		0.00100	0.000570	mg/L		01/21/26 08:54	01/28/26 15:19	1
Vanadium	**0.00493**	**J**	0.00500	0.00170	mg/L		01/21/26 08:54	01/28/26 15:19	1
Zinc	<0.0200		0.0200	0.0130	mg/L		01/21/26 08:54	01/28/26 15:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**30.0**		5.00	3.50	mg/L			01/20/26 12:06	1

Client: SCS Engineers
Project/Site: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Client Sample ID: MW-20AR

Date Collected: 01/13/26 16:00
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-5

Matrix: Water

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	0.380	ug/L			01/19/26 21:09	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			01/19/26 21:09	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			01/19/26 21:09	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			01/19/26 21:09	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			01/19/26 21:09	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			01/19/26 21:09	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			01/19/26 21:09	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/19/26 21:09	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/19/26 21:09	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/19/26 21:09	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			01/19/26 21:09	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			01/19/26 21:09	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			01/19/26 21:09	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			01/19/26 21:09	1
2-Hexanone	<10.0		10.0	3.80	ug/L			01/19/26 21:09	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			01/19/26 21:09	1
Acetone	<10.0		10.0	3.80	ug/L			01/19/26 21:09	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/19/26 21:09	1
Benzene	<0.500		0.500	0.220	ug/L			01/19/26 21:09	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			01/19/26 21:09	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/19/26 21:09	1
Bromoform	<5.00		5.00	2.60	ug/L			01/19/26 21:09	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/19/26 21:09	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/19/26 21:09	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/19/26 21:09	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			01/19/26 21:09	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			01/19/26 21:09	1
Chloroethane	<4.00		4.00	0.900	ug/L			01/19/26 21:09	1
Chloroform	<3.00		3.00	1.30	ug/L			01/19/26 21:09	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/19/26 21:09	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			01/19/26 21:09	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			01/19/26 21:09	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/19/26 21:09	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			01/19/26 21:09	1
Iodomethane	<10.0		10.0	2.60	ug/L			01/19/26 21:09	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/19/26 21:09	1
Styrene	<1.00		1.00	0.370	ug/L			01/19/26 21:09	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/19/26 21:09	1
Toluene	<1.00		1.00	0.430	ug/L			01/19/26 21:09	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			01/19/26 21:09	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			01/19/26 21:09	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			01/19/26 21:09	1
Trichloroethene	<1.00		1.00	0.350	ug/L			01/19/26 21:09	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			01/19/26 21:09	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			01/19/26 21:09	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			01/19/26 21:09	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			01/19/26 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*76 - 130*		*01/19/26 21:09*	*1*

Client Sample ID: MW-20AR

Date Collected: 01/13/26 16:00
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-5

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/19/26 21:09*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*01/19/26 21:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		01/21/26 08:54	01/28/26 15:21	1
Arsenic	**0.00338**		0.00200	0.000530	mg/L		01/21/26 08:54	01/28/26 15:21	1
Barium	**0.0497**		0.00200	0.000660	mg/L		01/21/26 08:54	01/28/26 15:21	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		01/21/26 08:54	01/28/26 15:21	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		01/21/26 08:54	01/28/26 15:21	1
Chromium	<0.00500		0.00500	0.00180	mg/L		01/21/26 08:54	01/28/26 15:21	1
Cobalt	**0.000485**	**J**	0.000500	0.000170	mg/L		01/21/26 08:54	01/28/26 15:21	1
Copper	**0.0252**		0.00500	0.00320	mg/L		01/21/26 08:54	01/28/26 15:21	1
Lead	<0.000500		0.000500	0.000330	mg/L		01/21/26 08:54	01/28/26 15:21	1
Nickel	<0.00500		0.00500	0.00230	mg/L		01/21/26 08:54	01/28/26 15:21	1
Selenium	<0.00500		0.00500	0.00140	mg/L		01/21/26 08:54	01/28/26 15:21	1
Silver	<0.00100		0.00100	0.000500	mg/L		01/21/26 08:54	01/28/26 15:21	1
Thallium	<0.00100		0.00100	0.000570	mg/L		01/21/26 08:54	01/28/26 15:21	1
Vanadium	**0.00237**	**J**	0.00500	0.00170	mg/L		01/21/26 08:54	01/28/26 15:21	1
Zinc	**0.0146**	**J**	0.0200	0.0130	mg/L		01/21/26 08:54	01/28/26 15:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L		01/20/26 13:54	01/20/26 14:04	1
Total Suspended Solids (USGS I-3765-85)	**8.50**		1.88	1.31	mg/L			01/19/26 11:59	1

Client Sample ID: MW-42

Date Collected: 01/14/26 14:02
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-6

Matrix: Water

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	0.380	ug/L			01/21/26 12:47	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			01/21/26 12:47	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			01/21/26 12:47	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			01/21/26 12:47	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			01/21/26 12:47	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			01/21/26 12:47	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			01/21/26 12:47	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/21/26 12:47	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/21/26 12:47	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/21/26 12:47	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			01/21/26 12:47	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			01/21/26 12:47	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			01/21/26 12:47	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			01/21/26 12:47	1
2-Hexanone	<10.0		10.0	3.80	ug/L			01/21/26 12:47	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			01/21/26 12:47	1
Acetone	<10.0		10.0	3.80	ug/L			01/21/26 12:47	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/21/26 12:47	1
Benzene	<0.500		0.500	0.220	ug/L			01/21/26 12:47	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			01/21/26 12:47	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/21/26 12:47	1
Bromoform	<5.00		5.00	2.60	ug/L			01/21/26 12:47	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/21/26 12:47	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/21/26 12:47	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/21/26 12:47	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			01/21/26 12:47	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			01/21/26 12:47	1
Chloroethane	<4.00		4.00	0.900	ug/L			01/21/26 12:47	1
Chloroform	<3.00		3.00	1.30	ug/L			01/21/26 12:47	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/21/26 12:47	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			01/21/26 12:47	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			01/21/26 12:47	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/21/26 12:47	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			01/21/26 12:47	1
Iodomethane	<10.0		10.0	2.60	ug/L			01/21/26 12:47	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/21/26 12:47	1
Styrene	<1.00		1.00	0.370	ug/L			01/21/26 12:47	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/21/26 12:47	1
Toluene	<1.00		1.00	0.430	ug/L			01/21/26 12:47	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			01/21/26 12:47	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			01/21/26 12:47	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			01/21/26 12:47	1
Trichloroethene	<1.00		1.00	0.350	ug/L			01/21/26 12:47	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			01/21/26 12:47	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			01/21/26 12:47	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			01/21/26 12:47	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			01/21/26 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*76 - 130*		*01/21/26 12:47*	*1*

Client: SCS Engineers
Project/Site: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Client Sample ID: MW-42

Date Collected: 01/14/26 14:02
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-6

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/21/26 12:47*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*01/21/26 12:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		01/21/26 08:54	01/28/26 15:24	1
Arsenic	**0.0230**		0.00200	0.000530	mg/L		01/21/26 08:54	01/28/26 15:24	1
Barium	**0.278**		0.00200	0.000660	mg/L		01/21/26 08:54	01/28/26 15:24	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		01/21/26 08:54	01/28/26 15:24	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		01/21/26 08:54	01/28/26 15:24	1
Chromium	**0.00194**	**J**	0.00500	0.00180	mg/L		01/21/26 08:54	01/28/26 15:24	1
Cobalt	**0.00171**		0.000500	0.000170	mg/L		01/21/26 08:54	01/28/26 15:24	1
Copper	<0.00500		0.00500	0.00320	mg/L		01/21/26 08:54	01/28/26 15:24	1
Lead	**0.00135**		0.000500	0.000330	mg/L		01/21/26 08:54	01/28/26 15:24	1
Nickel	**0.00527**		0.00500	0.00230	mg/L		01/21/26 08:54	01/28/26 15:24	1
Selenium	<0.00500		0.00500	0.00140	mg/L		01/21/26 08:54	01/28/26 15:24	1
Silver	<0.00100		0.00100	0.000500	mg/L		01/21/26 08:54	01/28/26 15:24	1
Thallium	<0.00100		0.00100	0.000570	mg/L		01/21/26 08:54	01/28/26 15:24	1
Vanadium	**0.00356**	**J**	0.00500	0.00170	mg/L		01/21/26 08:54	01/28/26 15:24	1
Zinc	<0.0200		0.0200	0.0130	mg/L		01/21/26 08:54	01/28/26 15:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**97.0**		15.0	10.5	mg/L			01/20/26 12:06	1

Client: SCS Engineers
Project/Site: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Client Sample ID: MW-43
Date Collected: 01/13/26 12:25
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-7
Matrix: Water

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	0.380	ug/L			01/19/26 21:32	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			01/19/26 21:32	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			01/19/26 21:32	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			01/19/26 21:32	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			01/19/26 21:32	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			01/19/26 21:32	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			01/19/26 21:32	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/19/26 21:32	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/19/26 21:32	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/19/26 21:32	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			01/19/26 21:32	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			01/19/26 21:32	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			01/19/26 21:32	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			01/19/26 21:32	1
2-Hexanone	<10.0		10.0	3.80	ug/L			01/19/26 21:32	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			01/19/26 21:32	1
Acetone	<10.0		10.0	3.80	ug/L			01/19/26 21:32	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/19/26 21:32	1
Benzene	<0.500		0.500	0.220	ug/L			01/19/26 21:32	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			01/19/26 21:32	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/19/26 21:32	1
Bromoform	<5.00		5.00	2.60	ug/L			01/19/26 21:32	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/19/26 21:32	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/19/26 21:32	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/19/26 21:32	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			01/19/26 21:32	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			01/19/26 21:32	1
Chloroethane	<4.00		4.00	0.900	ug/L			01/19/26 21:32	1
Chloroform	<3.00		3.00	1.30	ug/L			01/19/26 21:32	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/19/26 21:32	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			01/19/26 21:32	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			01/19/26 21:32	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/19/26 21:32	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			01/19/26 21:32	1
Iodomethane	<10.0		10.0	2.60	ug/L			01/19/26 21:32	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/19/26 21:32	1
Styrene	<1.00		1.00	0.370	ug/L			01/19/26 21:32	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/19/26 21:32	1
Toluene	<1.00		1.00	0.430	ug/L			01/19/26 21:32	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			01/19/26 21:32	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			01/19/26 21:32	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			01/19/26 21:32	1
Trichloroethene	<1.00		1.00	0.350	ug/L			01/19/26 21:32	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			01/19/26 21:32	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			01/19/26 21:32	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			01/19/26 21:32	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			01/19/26 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*76 - 130*		*01/19/26 21:32*	*1*

Client Sample ID: MW-43

Date Collected: 01/13/26 12:25
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-7

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/19/26 21:32*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*01/19/26 21:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		01/21/26 08:54	01/28/26 15:31	1
Arsenic	**0.00118**	**J**	0.00200	0.000530	mg/L		01/21/26 08:54	01/28/26 15:31	1
Barium	**0.0837**		0.00200	0.000660	mg/L		01/21/26 08:54	01/28/26 15:31	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		01/21/26 08:54	01/28/26 15:31	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		01/21/26 08:54	01/28/26 15:31	1
Chromium	<0.00500		0.00500	0.00180	mg/L		01/21/26 08:54	01/28/26 15:31	1
Cobalt	**0.00102**		0.000500	0.000170	mg/L		01/21/26 08:54	01/28/26 15:31	1
Copper	<0.00500		0.00500	0.00320	mg/L		01/21/26 08:54	01/28/26 15:31	1
Lead	<0.000500		0.000500	0.000330	mg/L		01/21/26 08:54	01/28/26 15:31	1
Nickel	**0.00281**	**J**	0.00500	0.00230	mg/L		01/21/26 08:54	01/28/26 15:31	1
Selenium	<0.00500		0.00500	0.00140	mg/L		01/21/26 08:54	01/28/26 15:31	1
Silver	<0.00100		0.00100	0.000500	mg/L		01/21/26 08:54	01/28/26 15:31	1
Thallium	<0.00100		0.00100	0.000570	mg/L		01/21/26 08:54	01/28/26 15:31	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		01/21/26 08:54	01/28/26 15:31	1
Zinc	<0.0200		0.0200	0.0130	mg/L		01/21/26 08:54	01/28/26 15:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**7.13**		1.88	1.31	mg/L			01/19/26 11:59	1

Client Sample ID: MW-48

Date Collected: 01/15/26 11:28
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-8

Matrix: Water

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	0.380	ug/L			01/21/26 13:09	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			01/21/26 13:09	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			01/21/26 13:09	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			01/21/26 13:09	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			01/21/26 13:09	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			01/21/26 13:09	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			01/21/26 13:09	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/21/26 13:09	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/21/26 13:09	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/21/26 13:09	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			01/21/26 13:09	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			01/21/26 13:09	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			01/21/26 13:09	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			01/21/26 13:09	1
2-Hexanone	<10.0		10.0	3.80	ug/L			01/21/26 13:09	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			01/21/26 13:09	1
Acetone	<10.0		10.0	3.80	ug/L			01/21/26 13:09	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/21/26 13:09	1
Benzene	<0.500		0.500	0.220	ug/L			01/21/26 13:09	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			01/21/26 13:09	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/21/26 13:09	1
Bromoform	<5.00		5.00	2.60	ug/L			01/21/26 13:09	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/21/26 13:09	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/21/26 13:09	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/21/26 13:09	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			01/21/26 13:09	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			01/21/26 13:09	1
Chloroethane	<4.00		4.00	0.900	ug/L			01/21/26 13:09	1
Chloroform	<3.00		3.00	1.30	ug/L			01/21/26 13:09	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/21/26 13:09	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			01/21/26 13:09	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			01/21/26 13:09	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/21/26 13:09	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			01/21/26 13:09	1
Iodomethane	<10.0		10.0	2.60	ug/L			01/21/26 13:09	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/21/26 13:09	1
Styrene	<1.00		1.00	0.370	ug/L			01/21/26 13:09	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/21/26 13:09	1
Toluene	<1.00		1.00	0.430	ug/L			01/21/26 13:09	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			01/21/26 13:09	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			01/21/26 13:09	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			01/21/26 13:09	1
Trichloroethene	<1.00		1.00	0.350	ug/L			01/21/26 13:09	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			01/21/26 13:09	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			01/21/26 13:09	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			01/21/26 13:09	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			01/21/26 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*76 - 130*		*01/21/26 13:09*	*1*

Client Sample ID: MW-48

Date Collected: 01/15/26 11:28
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-8

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/21/26 13:09*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*01/21/26 13:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		01/21/26 08:54	01/28/26 15:34	1
Arsenic	**0.00107**	**J**	0.00200	0.000530	mg/L		01/21/26 08:54	01/28/26 15:34	1
Barium	**0.0825**		0.00200	0.000660	mg/L		01/21/26 08:54	01/28/26 15:34	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		01/21/26 08:54	01/28/26 15:34	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		01/21/26 08:54	01/28/26 15:34	1
Chromium	<0.00500		0.00500	0.00180	mg/L		01/21/26 08:54	01/28/26 15:34	1
Cobalt	**0.000204**	**J**	0.000500	0.000170	mg/L		01/21/26 08:54	01/28/26 15:34	1
Copper	**0.00502**		0.00500	0.00320	mg/L		01/21/26 08:54	01/28/26 15:34	1
Lead	<0.000500		0.000500	0.000330	mg/L		01/21/26 08:54	01/28/26 15:34	1
Nickel	**0.0108**		0.00500	0.00230	mg/L		01/21/26 08:54	01/28/26 15:34	1
Selenium	<0.00500		0.00500	0.00140	mg/L		01/21/26 08:54	01/28/26 15:34	1
Silver	<0.00100		0.00100	0.000500	mg/L		01/21/26 08:54	01/28/26 15:34	1
Thallium	<0.00100		0.00100	0.000570	mg/L		01/21/26 08:54	01/28/26 15:34	1
Vanadium	**0.00291**	**J**	0.00500	0.00170	mg/L		01/21/26 08:54	01/28/26 15:34	1
Zinc	<0.0200		0.0200	0.0130	mg/L		01/21/26 08:54	01/28/26 15:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.13**		1.88	1.31	mg/L			01/21/26 09:38	1

Client: SCS Engineers
Project/Site: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Client Sample ID: MW-117
Date Collected: 01/13/26 13:49
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-9
Matrix: Water

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	0.380	ug/L			01/19/26 21:54	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			01/19/26 21:54	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			01/19/26 21:54	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			01/19/26 21:54	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			01/19/26 21:54	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			01/19/26 21:54	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			01/19/26 21:54	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/19/26 21:54	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/19/26 21:54	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/19/26 21:54	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			01/19/26 21:54	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			01/19/26 21:54	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			01/19/26 21:54	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			01/19/26 21:54	1
2-Hexanone	<10.0		10.0	3.80	ug/L			01/19/26 21:54	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			01/19/26 21:54	1
Acetone	<10.0		10.0	3.80	ug/L			01/19/26 21:54	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/19/26 21:54	1
Benzene	<0.500		0.500	0.220	ug/L			01/19/26 21:54	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			01/19/26 21:54	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/19/26 21:54	1
Bromoform	<5.00		5.00	2.60	ug/L			01/19/26 21:54	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/19/26 21:54	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/19/26 21:54	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/19/26 21:54	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			01/19/26 21:54	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			01/19/26 21:54	1
Chloroethane	<4.00		4.00	0.900	ug/L			01/19/26 21:54	1
Chloroform	<3.00		3.00	1.30	ug/L			01/19/26 21:54	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/19/26 21:54	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			01/19/26 21:54	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			01/19/26 21:54	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/19/26 21:54	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			01/19/26 21:54	1
Iodomethane	<10.0		10.0	2.60	ug/L			01/19/26 21:54	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/19/26 21:54	1
Styrene	<1.00		1.00	0.370	ug/L			01/19/26 21:54	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/19/26 21:54	1
Toluene	<1.00		1.00	0.430	ug/L			01/19/26 21:54	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			01/19/26 21:54	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			01/19/26 21:54	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			01/19/26 21:54	1
Trichloroethene	<1.00		1.00	0.350	ug/L			01/19/26 21:54	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			01/19/26 21:54	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			01/19/26 21:54	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			01/19/26 21:54	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			01/19/26 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*76 - 130*		*01/19/26 21:54*	*1*

Client Sample ID: MW-117

Date Collected: 01/13/26 13:49
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-9

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/19/26 21:54*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*01/19/26 21:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		01/21/26 08:54	01/28/26 15:37	1
Arsenic	**0.0253**		0.00200	0.000530	mg/L		01/21/26 08:54	01/28/26 15:37	1
Barium	**0.290**		0.00200	0.000660	mg/L		01/21/26 08:54	01/28/26 15:37	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		01/21/26 08:54	01/28/26 15:37	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		01/21/26 08:54	01/28/26 15:37	1
Chromium	<0.00500		0.00500	0.00180	mg/L		01/21/26 08:54	01/28/26 15:37	1
Cobalt	**0.00505**		0.000500	0.000170	mg/L		01/21/26 08:54	01/28/26 15:37	1
Copper	<0.00500		0.00500	0.00320	mg/L		01/21/26 08:54	01/28/26 15:37	1
Lead	**0.000339**	**J**	0.000500	0.000330	mg/L		01/21/26 08:54	01/28/26 15:37	1
Nickel	<0.00500		0.00500	0.00230	mg/L		01/21/26 08:54	01/28/26 15:37	1
Selenium	<0.00500		0.00500	0.00140	mg/L		01/21/26 08:54	01/28/26 15:37	1
Silver	<0.00100		0.00100	0.000500	mg/L		01/21/26 08:54	01/28/26 15:37	1
Thallium	<0.00100		0.00100	0.000570	mg/L		01/21/26 08:54	01/28/26 15:37	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		01/21/26 08:54	01/28/26 15:37	1
Zinc	<0.0200		0.0200	0.0130	mg/L		01/21/26 08:54	01/28/26 15:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**60.0**		15.0	10.5	mg/L			01/19/26 11:59	1

Client: SCS Engineers
Project/Site: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Client Sample ID: MW-118

Date Collected: 01/15/26 12:15
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-10

Matrix: Water

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	0.380	ug/L			01/21/26 13:32	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			01/21/26 13:32	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			01/21/26 13:32	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			01/21/26 13:32	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			01/21/26 13:32	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			01/21/26 13:32	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			01/21/26 13:32	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/21/26 13:32	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/21/26 13:32	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/21/26 13:32	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			01/21/26 13:32	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			01/21/26 13:32	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			01/21/26 13:32	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			01/21/26 13:32	1
2-Hexanone	<10.0		10.0	3.80	ug/L			01/21/26 13:32	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			01/21/26 13:32	1
Acetone	**62.7**		10.0	3.80	ug/L			01/21/26 13:32	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/21/26 13:32	1
Benzene	**2.24**		0.500	0.220	ug/L			01/21/26 13:32	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			01/21/26 13:32	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/21/26 13:32	1
Bromoform	<5.00		5.00	2.60	ug/L			01/21/26 13:32	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/21/26 13:32	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/21/26 13:32	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/21/26 13:32	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			01/21/26 13:32	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			01/21/26 13:32	1
Chloroethane	<4.00		4.00	0.900	ug/L			01/21/26 13:32	1
Chloroform	<3.00		3.00	1.30	ug/L			01/21/26 13:32	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/21/26 13:32	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			01/21/26 13:32	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			01/21/26 13:32	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/21/26 13:32	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			01/21/26 13:32	1
Iodomethane	<10.0		10.0	2.60	ug/L			01/21/26 13:32	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/21/26 13:32	1
Styrene	<1.00		1.00	0.370	ug/L			01/21/26 13:32	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/21/26 13:32	1
Toluene	**0.514**	**J**	1.00	0.430	ug/L			01/21/26 13:32	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			01/21/26 13:32	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			01/21/26 13:32	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			01/21/26 13:32	1
Trichloroethene	<1.00		1.00	0.350	ug/L			01/21/26 13:32	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			01/21/26 13:32	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			01/21/26 13:32	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			01/21/26 13:32	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			01/21/26 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*76 - 130*		*01/21/26 13:32*	*1*

Client Sample ID: MW-118

Date Collected: 01/15/26 12:15
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-10

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/21/26 13:32*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*01/21/26 13:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		01/21/26 08:54	01/28/26 15:39	1
Arsenic	**0.0166**		0.00200	0.000530	mg/L		01/21/26 08:54	01/28/26 15:39	1
Barium	**0.130**		0.00200	0.000660	mg/L		01/21/26 08:54	01/28/26 15:39	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		01/21/26 08:54	01/28/26 15:39	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		01/21/26 08:54	01/28/26 15:39	1
Chromium	**0.00460**	**J**	0.00500	0.00180	mg/L		01/21/26 08:54	01/28/26 15:39	1
Cobalt	**0.00149**		0.000500	0.000170	mg/L		01/21/26 08:54	01/28/26 15:39	1
Copper	<0.00500		0.00500	0.00320	mg/L		01/21/26 08:54	01/28/26 15:39	1
Lead	**0.000878**		0.000500	0.000330	mg/L		01/21/26 08:54	01/28/26 15:39	1
Nickel	**0.0174**		0.00500	0.00230	mg/L		01/21/26 08:54	01/28/26 15:39	1
Selenium	<0.00500		0.00500	0.00140	mg/L		01/21/26 08:54	01/28/26 15:39	1
Silver	<0.00100		0.00100	0.000500	mg/L		01/21/26 08:54	01/28/26 15:39	1
Thallium	<0.00100		0.00100	0.000570	mg/L		01/21/26 08:54	01/28/26 15:39	1
Vanadium	**0.00749**		0.00500	0.00170	mg/L		01/21/26 08:54	01/28/26 15:39	1
Zinc	**0.0136**	**J**	0.0200	0.0130	mg/L		01/21/26 08:54	01/28/26 15:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**92.0**		60.0	42.0	mg/L			01/21/26 09:38	1

Client: SCS Engineers
Project/Site: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Client Sample ID: MW-DA
Date Collected: 01/13/26 00:00
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-11
Matrix: Water

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	0.380	ug/L			01/19/26 22:17	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			01/19/26 22:17	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			01/19/26 22:17	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			01/19/26 22:17	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			01/19/26 22:17	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			01/19/26 22:17	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			01/19/26 22:17	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/19/26 22:17	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/19/26 22:17	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/19/26 22:17	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			01/19/26 22:17	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			01/19/26 22:17	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			01/19/26 22:17	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			01/19/26 22:17	1
2-Hexanone	<10.0		10.0	3.80	ug/L			01/19/26 22:17	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			01/19/26 22:17	1
Acetone	<10.0		10.0	3.80	ug/L			01/19/26 22:17	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/19/26 22:17	1
Benzene	<0.500		0.500	0.220	ug/L			01/19/26 22:17	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			01/19/26 22:17	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/19/26 22:17	1
Bromoform	<5.00		5.00	2.60	ug/L			01/19/26 22:17	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/19/26 22:17	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/19/26 22:17	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/19/26 22:17	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			01/19/26 22:17	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			01/19/26 22:17	1
Chloroethane	<4.00		4.00	0.900	ug/L			01/19/26 22:17	1
Chloroform	<3.00		3.00	1.30	ug/L			01/19/26 22:17	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/19/26 22:17	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			01/19/26 22:17	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			01/19/26 22:17	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/19/26 22:17	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			01/19/26 22:17	1
Iodomethane	<10.0		10.0	2.60	ug/L			01/19/26 22:17	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/19/26 22:17	1
Styrene	<1.00		1.00	0.370	ug/L			01/19/26 22:17	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/19/26 22:17	1
Toluene	<1.00		1.00	0.430	ug/L			01/19/26 22:17	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			01/19/26 22:17	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			01/19/26 22:17	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			01/19/26 22:17	1
Trichloroethene	<1.00		1.00	0.350	ug/L			01/19/26 22:17	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			01/19/26 22:17	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			01/19/26 22:17	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			01/19/26 22:17	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			01/19/26 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*76 - 130*		*01/19/26 22:17*	*1*

Client Sample ID: MW-DA

Date Collected: 01/13/26 00:00
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-11

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/19/26 22:17*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*01/19/26 22:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		01/21/26 08:54	01/28/26 15:42	1
Arsenic	**0.00107**	**J**	0.00200	0.000530	mg/L		01/21/26 08:54	01/28/26 15:42	1
Barium	**0.0888**		0.00200	0.000660	mg/L		01/21/26 08:54	01/28/26 15:42	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		01/21/26 08:54	01/28/26 15:42	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		01/21/26 08:54	01/28/26 15:42	1
Chromium	<0.00500		0.00500	0.00180	mg/L		01/21/26 08:54	01/28/26 15:42	1
Cobalt	**0.000198**	**J**	0.000500	0.000170	mg/L		01/21/26 08:54	01/28/26 15:42	1
Copper	**0.00555**		0.00500	0.00320	mg/L		01/21/26 08:54	01/28/26 15:42	1
Lead	<0.000500		0.000500	0.000330	mg/L		01/21/26 08:54	01/28/26 15:42	1
Nickel	**0.0117**		0.00500	0.00230	mg/L		01/21/26 08:54	01/28/26 15:42	1
Selenium	<0.00500		0.00500	0.00140	mg/L		01/21/26 08:54	01/28/26 15:42	1
Silver	<0.00100		0.00100	0.000500	mg/L		01/21/26 08:54	01/28/26 15:42	1
Thallium	<0.00100		0.00100	0.000570	mg/L		01/21/26 08:54	01/28/26 15:42	1
Vanadium	**0.00258**	**J**	0.00500	0.00170	mg/L		01/21/26 08:54	01/28/26 15:42	1
Zinc	<0.0200		0.0200	0.0130	mg/L		01/21/26 08:54	01/28/26 15:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**1.75**	**J**	1.88	1.31	mg/L			01/19/26 11:59	1

Client Sample ID: Trip Blank 1

Date Collected: 01/13/26 00:00
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-13

Matrix: Water

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	0.380	ug/L			01/19/26 15:08	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			01/19/26 15:08	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			01/19/26 15:08	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			01/19/26 15:08	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			01/19/26 15:08	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			01/19/26 15:08	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			01/19/26 15:08	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/19/26 15:08	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/19/26 15:08	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/19/26 15:08	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			01/19/26 15:08	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			01/19/26 15:08	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			01/19/26 15:08	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			01/19/26 15:08	1
2-Hexanone	<10.0		10.0	3.80	ug/L			01/19/26 15:08	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			01/19/26 15:08	1
Acetone	<10.0		10.0	3.80	ug/L			01/19/26 15:08	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/19/26 15:08	1
Benzene	<0.500		0.500	0.220	ug/L			01/19/26 15:08	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			01/19/26 15:08	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/19/26 15:08	1
Bromoform	<5.00		5.00	2.60	ug/L			01/19/26 15:08	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/19/26 15:08	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/19/26 15:08	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/19/26 15:08	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			01/19/26 15:08	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			01/19/26 15:08	1
Chloroethane	<4.00		4.00	0.900	ug/L			01/19/26 15:08	1
Chloroform	<3.00		3.00	1.30	ug/L			01/19/26 15:08	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/19/26 15:08	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			01/19/26 15:08	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			01/19/26 15:08	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/19/26 15:08	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			01/19/26 15:08	1
Iodomethane	<10.0		10.0	2.60	ug/L			01/19/26 15:08	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/19/26 15:08	1
Styrene	<1.00		1.00	0.370	ug/L			01/19/26 15:08	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/19/26 15:08	1
Toluene	<1.00		1.00	0.430	ug/L			01/19/26 15:08	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			01/19/26 15:08	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			01/19/26 15:08	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			01/19/26 15:08	1
Trichloroethene	<1.00		1.00	0.350	ug/L			01/19/26 15:08	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			01/19/26 15:08	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			01/19/26 15:08	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			01/19/26 15:08	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			01/19/26 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*76 - 130*		*01/19/26 15:08*	*1*

Client: SCS Engineers
Job ID: 310-324268-1
Project/Site: Scott Area Landfill 2026 HMSP

Client Sample ID: Trip Blank 1
Lab Sample ID: 310-324268-13
Date Collected: 01/13/26 00:00
Matrix: Water
Date Received: 01/17/26 10:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		01/19/26 15:08	1
4-Bromofluorobenzene (Surr)	108		80 - 120		01/19/26 15:08	1

Client: SCS Engineers
Project/Site: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Client Sample ID: Trip Blank 2

Date Collected: 01/13/26 00:00
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-14

Matrix: Water

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	0.380	ug/L			01/19/26 15:31	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			01/19/26 15:31	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			01/19/26 15:31	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			01/19/26 15:31	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			01/19/26 15:31	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			01/19/26 15:31	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			01/19/26 15:31	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/19/26 15:31	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/19/26 15:31	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/19/26 15:31	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			01/19/26 15:31	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			01/19/26 15:31	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			01/19/26 15:31	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			01/19/26 15:31	1
2-Hexanone	<10.0		10.0	3.80	ug/L			01/19/26 15:31	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			01/19/26 15:31	1
Acetone	<10.0		10.0	3.80	ug/L			01/19/26 15:31	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/19/26 15:31	1
Benzene	<0.500		0.500	0.220	ug/L			01/19/26 15:31	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			01/19/26 15:31	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/19/26 15:31	1
Bromoform	<5.00		5.00	2.60	ug/L			01/19/26 15:31	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/19/26 15:31	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/19/26 15:31	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/19/26 15:31	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			01/19/26 15:31	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			01/19/26 15:31	1
Chloroethane	<4.00		4.00	0.900	ug/L			01/19/26 15:31	1
Chloroform	<3.00		3.00	1.30	ug/L			01/19/26 15:31	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/19/26 15:31	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			01/19/26 15:31	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			01/19/26 15:31	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/19/26 15:31	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			01/19/26 15:31	1
Iodomethane	<10.0		10.0	2.60	ug/L			01/19/26 15:31	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/19/26 15:31	1
Styrene	<1.00		1.00	0.370	ug/L			01/19/26 15:31	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/19/26 15:31	1
Toluene	<1.00		1.00	0.430	ug/L			01/19/26 15:31	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			01/19/26 15:31	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			01/19/26 15:31	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			01/19/26 15:31	1
Trichloroethene	<1.00		1.00	0.350	ug/L			01/19/26 15:31	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			01/19/26 15:31	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			01/19/26 15:31	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			01/19/26 15:31	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			01/19/26 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*76 - 130*		*01/19/26 15:31*	*1*

Client: SCS Engineers
Project/Site: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Client Sample ID: Trip Blank 2
Date Collected: 01/13/26 00:00
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-14
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		01/19/26 15:31	1
4-Bromofluorobenzene (Surr)	114		80 - 120		01/19/26 15:31	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-324268-1	MW-107	100	95	108
310-324268-1 MS	MW-107	110	101	100
310-324268-1 MSD	MW-107	112	104	101
310-324268-2	MW-114	103	97	100
310-324268-3	OP-14	104	94	107
310-324268-4	OP-19	104	95	106
310-324268-5	MW-20AR	100	96	105
310-324268-6	MW-42	104	98	106
310-324268-7	MW-43	100	96	108
310-324268-8	MW-48	104	96	107
310-324268-9	MW-117	103	95	102
310-324268-10	MW-118	103	98	104
310-324268-11	MW-DA	100	97	105
310-324268-13	Trip Blank 1	100	97	108
310-324268-14	Trip Blank 2	103	97	114
LCS 310-478757/6	Lab Control Sample	110	105	98
LCS 310-478757/7	Lab Control Sample	106	96	113
LCS 310-478858/6	Lab Control Sample	107	100	102
LCS 310-478858/7	Lab Control Sample	97	95	107
MB 310-478757/5	Method Blank	101	99	110
MB 310-478858/5	Method Blank	97	98	108

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

Lab Sample ID: MB 310-478757/5
Matrix: Water
Analysis Batch: 478757

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	0.380	ug/L			01/19/26 13:06	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			01/19/26 13:06	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			01/19/26 13:06	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			01/19/26 13:06	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			01/19/26 13:06	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			01/19/26 13:06	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			01/19/26 13:06	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/19/26 13:06	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/19/26 13:06	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/19/26 13:06	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			01/19/26 13:06	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			01/19/26 13:06	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			01/19/26 13:06	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			01/19/26 13:06	1
2-Hexanone	<10.0		10.0	3.80	ug/L			01/19/26 13:06	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			01/19/26 13:06	1
Acetone	<10.0		10.0	3.80	ug/L			01/19/26 13:06	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/19/26 13:06	1
Benzene	<0.500		0.500	0.220	ug/L			01/19/26 13:06	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			01/19/26 13:06	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/19/26 13:06	1
Bromoform	<5.00		5.00	2.60	ug/L			01/19/26 13:06	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/19/26 13:06	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/19/26 13:06	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/19/26 13:06	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			01/19/26 13:06	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			01/19/26 13:06	1
Chloroethane	<4.00		4.00	0.900	ug/L			01/19/26 13:06	1
Chloroform	<3.00		3.00	1.30	ug/L			01/19/26 13:06	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/19/26 13:06	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			01/19/26 13:06	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			01/19/26 13:06	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/19/26 13:06	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			01/19/26 13:06	1
Iodomethane	<10.0		10.0	2.60	ug/L			01/19/26 13:06	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/19/26 13:06	1
Styrene	<1.00		1.00	0.370	ug/L			01/19/26 13:06	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/19/26 13:06	1
Toluene	<1.00		1.00	0.430	ug/L			01/19/26 13:06	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			01/19/26 13:06	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			01/19/26 13:06	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			01/19/26 13:06	1
Trichloroethene	<1.00		1.00	0.350	ug/L			01/19/26 13:06	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			01/19/26 13:06	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			01/19/26 13:06	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			01/19/26 13:06	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			01/19/26 13:06	1

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

Lab Sample ID: MB 310-478757/5
Matrix: Water
Analysis Batch: 478757

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*101*		*76 - 130*		*01/19/26 13:06*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/19/26 13:06*	*1*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*01/19/26 13:06*	*1*

Lab Sample ID: LCS 310-478757/6
Matrix: Water
Analysis Batch: 478757

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	18.48		ug/L		92	70 - 121
1,1,1-Trichloroethane	20.0	20.81		ug/L		104	69 - 130
1,1,2,2-Tetrachloroethane	20.0	17.24		ug/L		86	70 - 122
1,1,2-Trichloroethane	20.0	17.25		ug/L		86	75 - 121
1,1-Dichloroethane	20.0	19.77		ug/L		99	69 - 127
1,1-Dichloroethene	20.0	20.04		ug/L		100	64 - 134
1,2,3-Trichloropropane	20.0	17.65		ug/L		88	70 - 122
1,2-Dibromo-3-chloropropane	20.0	19.35		ug/L		97	62 - 132
1,2-Dibromoethane (EDB)	20.0	17.93		ug/L		90	74 - 122
1,2-Dichlorobenzene	20.0	16.75		ug/L		84	74 - 120
1,2-Dichloroethane	20.0	19.41		ug/L		97	68 - 125
1,2-Dichloropropane	20.0	17.73		ug/L		89	72 - 128
1,4-Dichlorobenzene	20.0	18.19		ug/L		91	72 - 120
2-Butanone (MEK)	40.0	36.52		ug/L		91	60 - 134
2-Hexanone	40.0	43.52		ug/L		109	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	43.58		ug/L		109	62 - 136
Acetone	40.0	40.19		ug/L		100	59 - 136
Acrylonitrile	200	214.3		ug/L		107	50 - 150
Benzene	20.0	17.81		ug/L		89	71 - 125
Bromochloromethane	20.0	21.15		ug/L		106	69 - 131
Bromodichloromethane	20.0	18.86		ug/L		94	70 - 122
Bromoform	20.0	18.12		ug/L		91	62 - 122
Carbon disulfide	20.0	21.33		ug/L		107	58 - 137
Carbon tetrachloride	20.0	20.17		ug/L		101	63 - 136
Chlorobenzene	20.0	18.26		ug/L		91	74 - 120
Chlorodibromomethane	20.0	18.31		ug/L		92	69 - 121
Chloroform	20.0	21.06		ug/L		105	72 - 122
cis-1,2-Dichloroethene	20.0	20.20		ug/L		101	72 - 123
cis-1,3-Dichloropropene	20.0	17.94		ug/L		90	72 - 123
Dibromomethane	20.0	20.34		ug/L		102	72 - 122
Ethylbenzene	20.0	19.22		ug/L		96	75 - 120
Iodomethane	20.0	16.08		ug/L		80	18 - 150
Methylene chloride	20.0	21.69		ug/L		108	72 - 128
Styrene	20.0	20.01		ug/L		100	74 - 122
Tetrachloroethene	20.0	18.82		ug/L		94	70 - 128
Toluene	20.0	18.46		ug/L		92	74 - 120
trans-1,2-Dichloroethene	20.0	20.44		ug/L		102	67 - 127
trans-1,3-Dichloropropene	20.0	19.45		ug/L		97	67 - 123
trans-1,4-Dichloro-2-butene	20.0	17.12		ug/L		86	50 - 150

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

Lab Sample ID: LCS 310-478757/6
Matrix: Water
Analysis Batch: 478757

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	17.67		ug/L		88	70 - 128
Vinyl acetate	40.0	36.84		ug/L		92	50 - 150
Xylenes, Total	40.0	38.79		ug/L		97	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*110*		*76 - 130*
Toluene-d8 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

Lab Sample ID: LCS 310-478757/7
Matrix: Water
Analysis Batch: 478757

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	17.72		ug/L		89	33 - 138
Chloroethane	20.0	18.62		ug/L		93	59 - 139
Chloromethane	20.0	19.60		ug/L		98	52 - 146
Trichlorofluoromethane	20.0	20.95		ug/L		105	55 - 150
Vinyl chloride	20.0	19.32		ug/L		97	60 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*106*		*76 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*113*		*80 - 120*

Lab Sample ID: 310-324268-1 MS
Matrix: Water
Analysis Batch: 478757

Client Sample ID: MW-107
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<1.00		25.0	20.24		ug/L		81	55 - 121
1,1,1-Trichloroethane	<1.00		25.0	22.04		ug/L		88	53 - 130
1,1,2,2-Tetrachloroethane	<1.00		25.0	20.12		ug/L		80	55 - 123
1,1,2-Trichloroethane	<1.00		25.0	17.76		ug/L		71	60 - 121
1,1-Dichloroethane	<1.00		25.0	21.81		ug/L		87	53 - 127
1,1-Dichloroethene	<2.00		25.0	21.34		ug/L		85	51 - 134
1,2,3-Trichloropropane	<1.00		25.0	19.88		ug/L		80	56 - 122
1,2-Dibromo-3-chloropropane	<5.00		25.0	21.41		ug/L		86	44 - 138
1,2-Dibromoethane (EDB)	<1.00		25.0	19.33		ug/L		77	60 - 122
1,2-Dichlorobenzene	<1.00		25.0	19.83		ug/L		79	60 - 120
1,2-Dichloroethane	<1.00		25.0	21.50		ug/L		86	48 - 128
1,2-Dichloropropane	<1.00		25.0	19.93		ug/L		80	59 - 128
1,4-Dichlorobenzene	<1.00		25.0	20.10		ug/L		80	58 - 120
2-Butanone (MEK)	<10.0		50.0	37.18		ug/L		74	46 - 134
2-Hexanone	<10.0		50.0	43.62		ug/L		87	46 - 141
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	44.30		ug/L		89	49 - 138
Acetone	<10.0		50.0	59.17		ug/L		118	39 - 141
Acrylonitrile	<5.00		250	238.2		ug/L		95	41 - 150

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

Lab Sample ID: 310-324268-1 MS
Matrix: Water
Analysis Batch: 478757

Client Sample ID: MW-107
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.500		25.0	20.37		ug/L		81	48 - 125
Bromochloromethane	<5.00		25.0	24.80		ug/L		99	55 - 131
Bromodichloromethane	<1.00		25.0	21.59		ug/L		86	53 - 122
Bromoform	<5.00		25.0	19.82		ug/L		79	47 - 122
Carbon disulfide	<1.00		25.0	20.73		ug/L		83	45 - 137
Carbon tetrachloride	<2.00		25.0	20.75		ug/L		83	45 - 136
Chlorobenzene	<1.00		25.0	20.11		ug/L		80	59 - 120
Chlorodibromomethane	<5.00		25.0	19.00		ug/L		76	53 - 121
Chloroform	<3.00		25.0	23.66		ug/L		95	52 - 122
cis-1,2-Dichloroethene	<1.00		25.0	22.37		ug/L		89	51 - 123
cis-1,3-Dichloropropene	<5.00		25.0	18.26		ug/L		73	55 - 123
Dibromomethane	<1.00		25.0	22.35		ug/L		89	57 - 122
Ethylbenzene	<1.00		25.0	20.61		ug/L		82	53 - 120
Iodomethane	<10.0		25.0	17.45		ug/L		70	18 - 150
Methylene chloride	<5.00		25.0	24.41		ug/L		98	59 - 128
Styrene	<1.00		25.0	21.98		ug/L		88	50 - 125
Tetrachloroethene	<1.00		25.0	19.85		ug/L		79	51 - 128
Toluene	<1.00		25.0	20.43		ug/L		82	52 - 120
trans-1,2-Dichloroethene	<1.00		25.0	22.05		ug/L		88	53 - 127
trans-1,3-Dichloropropene	<5.00		25.0	19.65		ug/L		79	50 - 123
trans-1,4-Dichloro-2-butene	<10.0		25.0	19.65		ug/L		79	28 - 150
Trichloroethene	<1.00		25.0	19.45		ug/L		78	50 - 128
Vinyl acetate	<10.0		50.0	27.26		ug/L		55	31 - 150
Xylenes, Total	<3.00		50.0	41.82		ug/L		84	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*110*		*76 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: 310-324268-1 MSD
Matrix: Water
Analysis Batch: 478757

Client Sample ID: MW-107
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<1.00		25.0	19.52		ug/L		78	55 - 121	4	20
1,1,1-Trichloroethane	<1.00		25.0	21.18		ug/L		85	53 - 130	4	20
1,1,2,2-Tetrachloroethane	<1.00		25.0	20.45		ug/L		82	55 - 123	2	20
1,1,2-Trichloroethane	<1.00		25.0	17.94		ug/L		72	60 - 121	1	20
1,1-Dichloroethane	<1.00		25.0	20.80		ug/L		83	53 - 127	5	20
1,1-Dichloroethene	<2.00		25.0	19.84		ug/L		79	51 - 134	7	20
1,2,3-Trichloropropane	<1.00		25.0	20.85		ug/L		83	56 - 122	5	21
1,2-Dibromo-3-chloropropane	<5.00		25.0	20.61		ug/L		82	44 - 138	4	24
1,2-Dibromoethane (EDB)	<1.00		25.0	19.46		ug/L		78	60 - 122	1	20
1,2-Dichlorobenzene	<1.00		25.0	18.95		ug/L		76	60 - 120	5	20
1,2-Dichloroethane	<1.00		25.0	19.64		ug/L		79	48 - 128	9	20
1,2-Dichloropropane	<1.00		25.0	19.19		ug/L		77	59 - 128	4	20
1,4-Dichlorobenzene	<1.00		25.0	19.72		ug/L		79	58 - 120	2	20

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

Lab Sample ID: 310-324268-1 MSD
Matrix: Water
Analysis Batch: 478757

Client Sample ID: MW-107
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	36.56		ug/L		73	46 - 134	2	23
2-Hexanone	<10.0		50.0	42.86		ug/L		86	46 - 141	2	20
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	45.50		ug/L		91	49 - 138	3	20
Acetone	<10.0		50.0	56.65		ug/L		113	39 - 141	4	23
Acrylonitrile	<5.00		250	235.4		ug/L		94	41 - 150	1	20
Benzene	<0.500		25.0	19.47		ug/L		78	48 - 125	5	20
Bromochloromethane	<5.00		25.0	24.14		ug/L		97	55 - 131	3	21
Bromodichloromethane	<1.00		25.0	19.41		ug/L		78	53 - 122	11	20
Bromoform	<5.00		25.0	19.93		ug/L		80	47 - 122	1	20
Carbon disulfide	<1.00		25.0	17.08		ug/L		68	45 - 137	19	24
Carbon tetrachloride	<2.00		25.0	19.86		ug/L		79	45 - 136	4	20
Chlorobenzene	<1.00		25.0	19.38		ug/L		78	59 - 120	4	20
Chlorodibromomethane	<5.00		25.0	19.37		ug/L		77	53 - 121	2	20
Chloroform	<3.00		25.0	23.44		ug/L		94	52 - 122	1	20
cis-1,2-Dichloroethene	<1.00		25.0	21.75		ug/L		87	51 - 123	3	20
cis-1,3-Dichloropropene	<5.00		25.0	18.07		ug/L		72	55 - 123	1	20
Dibromomethane	<1.00		25.0	22.39		ug/L		90	57 - 122	0	20
Ethylbenzene	<1.00		25.0	19.77		ug/L		79	53 - 120	4	20
Iodomethane	<10.0		25.0	19.52		ug/L		78	18 - 150	11	32
Methylene chloride	<5.00		25.0	23.92		ug/L		96	59 - 128	2	20
Styrene	<1.00		25.0	22.50		ug/L		90	50 - 125	2	20
Tetrachloroethene	<1.00		25.0	19.43		ug/L		78	51 - 128	2	20
Toluene	<1.00		25.0	19.35		ug/L		77	52 - 120	5	20
trans-1,2-Dichloroethene	<1.00		25.0	20.47		ug/L		82	53 - 127	7	20
trans-1,3-Dichloropropene	<5.00		25.0	20.08		ug/L		80	50 - 123	2	20
trans-1,4-Dichloro-2-butene	<10.0		25.0	19.60		ug/L		78	28 - 150	0	24
Trichloroethene	<1.00		25.0	18.44		ug/L		74	50 - 128	5	20
Vinyl acetate	<10.0		50.0	27.05		ug/L		54	31 - 150	1	25
Xylenes, Total	<3.00		50.0	42.20		ug/L		84	50 - 122	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*112*		*76 - 130*
Toluene-d8 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 310-478858/5
Matrix: Water
Analysis Batch: 478858

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	0.380	ug/L			01/21/26 05:36	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			01/21/26 05:36	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			01/21/26 05:36	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			01/21/26 05:36	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			01/21/26 05:36	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			01/21/26 05:36	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			01/21/26 05:36	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			01/21/26 05:36	1

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

Lab Sample ID: MB 310-478858/5
Matrix: Water
Analysis Batch: 478858

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			01/21/26 05:36	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			01/21/26 05:36	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			01/21/26 05:36	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			01/21/26 05:36	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			01/21/26 05:36	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			01/21/26 05:36	1
2-Hexanone	<10.0		10.0	3.80	ug/L			01/21/26 05:36	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			01/21/26 05:36	1
Acetone	<10.0		10.0	3.80	ug/L			01/21/26 05:36	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			01/21/26 05:36	1
Benzene	<0.500		0.500	0.220	ug/L			01/21/26 05:36	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			01/21/26 05:36	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			01/21/26 05:36	1
Bromoform	<5.00		5.00	2.60	ug/L			01/21/26 05:36	1
Bromomethane	<4.00		4.00	1.10	ug/L			01/21/26 05:36	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			01/21/26 05:36	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			01/21/26 05:36	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			01/21/26 05:36	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			01/21/26 05:36	1
Chloroethane	<4.00		4.00	0.900	ug/L			01/21/26 05:36	1
Chloroform	<3.00		3.00	1.30	ug/L			01/21/26 05:36	1
Chloromethane	<3.00		3.00	0.610	ug/L			01/21/26 05:36	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			01/21/26 05:36	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			01/21/26 05:36	1
Dibromomethane	<1.00		1.00	0.330	ug/L			01/21/26 05:36	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			01/21/26 05:36	1
Iodomethane	<10.0		10.0	2.60	ug/L			01/21/26 05:36	1
Methylene chloride	<5.00		5.00	1.70	ug/L			01/21/26 05:36	1
Styrene	<1.00		1.00	0.370	ug/L			01/21/26 05:36	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			01/21/26 05:36	1
Toluene	<1.00		1.00	0.430	ug/L			01/21/26 05:36	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			01/21/26 05:36	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			01/21/26 05:36	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			01/21/26 05:36	1
Trichloroethene	<1.00		1.00	0.350	ug/L			01/21/26 05:36	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			01/21/26 05:36	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			01/21/26 05:36	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			01/21/26 05:36	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			01/21/26 05:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*76 - 130*		*01/21/26 05:36*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/21/26 05:36*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*01/21/26 05:36*	*1*

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

Lab Sample ID: LCS 310-478858/6
Matrix: Water
Analysis Batch: 478858

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	18.99		ug/L		95	70 - 121
1,1,1-Trichloroethane	20.0	20.86		ug/L		104	69 - 130
1,1,2,2-Tetrachloroethane	20.0	17.59		ug/L		88	70 - 122
1,1,2-Trichloroethane	20.0	15.83		ug/L		79	75 - 121
1,1-Dichloroethane	20.0	20.73		ug/L		104	69 - 127
1,1-Dichloroethene	20.0	22.62		ug/L		113	64 - 134
1,2,3-Trichloropropane	20.0	17.61		ug/L		88	70 - 122
1,2-Dibromo-3-chloropropane	20.0	18.67		ug/L		93	62 - 132
1,2-Dibromoethane (EDB)	20.0	17.57		ug/L		88	74 - 122
1,2-Dichlorobenzene	20.0	18.52		ug/L		93	74 - 120
1,2-Dichloroethane	20.0	18.39		ug/L		92	68 - 125
1,2-Dichloropropane	20.0	18.14		ug/L		91	72 - 128
1,4-Dichlorobenzene	20.0	19.05		ug/L		95	72 - 120
2-Butanone (MEK)	40.0	35.52		ug/L		89	60 - 134
2-Hexanone	40.0	39.36		ug/L		98	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	40.16		ug/L		100	62 - 136
Acetone	40.0	38.91		ug/L		97	59 - 136
Acrylonitrile	200	219.0		ug/L		109	50 - 150
Benzene	20.0	18.66		ug/L		93	71 - 125
Bromochloromethane	20.0	23.27		ug/L		116	69 - 131
Bromodichloromethane	20.0	19.43		ug/L		97	70 - 122
Bromoform	20.0	18.94		ug/L		95	62 - 122
Carbon disulfide	20.0	23.89		ug/L		119	58 - 137
Carbon tetrachloride	20.0	20.58		ug/L		103	63 - 136
Chlorobenzene	20.0	18.79		ug/L		94	74 - 120
Chlorodibromomethane	20.0	18.04		ug/L		90	69 - 121
Chloroform	20.0	21.88		ug/L		109	72 - 122
cis-1,2-Dichloroethene	20.0	21.64		ug/L		108	72 - 123
cis-1,3-Dichloropropene	20.0	16.70		ug/L		83	72 - 123
Dibromomethane	20.0	21.23		ug/L		106	72 - 122
Ethylbenzene	20.0	19.74		ug/L		99	75 - 120
Iodomethane	20.0	21.10		ug/L		106	18 - 150
Methylene chloride	20.0	23.11		ug/L		116	72 - 128
Styrene	20.0	21.15		ug/L		106	74 - 122
Tetrachloroethene	20.0	19.80		ug/L		99	70 - 128
Toluene	20.0	19.08		ug/L		95	74 - 120
trans-1,2-Dichloroethene	20.0	21.57		ug/L		108	67 - 127
trans-1,3-Dichloropropene	20.0	17.74		ug/L		89	67 - 123
trans-1,4-Dichloro-2-butene	20.0	16.74		ug/L		84	50 - 150
Trichloroethene	20.0	18.46		ug/L		92	70 - 128
Vinyl acetate	40.0	34.62		ug/L		87	50 - 150
Xylenes, Total	40.0	41.22		ug/L		103	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*107*		*76 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

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

Lab Sample ID: LCS 310-478858/7
Matrix: Water
Analysis Batch: 478858

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	16.65		ug/L		83	33 - 138
Chloroethane	20.0	18.05		ug/L		90	59 - 139
Chloromethane	20.0	18.76		ug/L		94	52 - 146
Trichlorofluoromethane	20.0	19.73		ug/L		99	55 - 150
Vinyl chloride	20.0	18.73		ug/L		94	60 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*76 - 130*
Toluene-d8 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-478785/3
Matrix: Water
Analysis Batch: 478785

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.00		1.00	0.450	mg/L			01/15/26 15:44	1
Nitrate as N	<0.200		0.200	0.0780	mg/L			01/15/26 15:44	1
Sulfate	<1.00		1.00	0.420	mg/L			01/15/26 15:44	1

Lab Sample ID: LCS 310-478785/4
Matrix: Water
Analysis Batch: 478785

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.114		mg/L		91	90 - 110
Nitrate as N	2.00	1.928		mg/L		96	90 - 110
Sulfate	10.0	9.194		mg/L		92	90 - 110

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 310-478974/1-A
Matrix: Water
Analysis Batch: 479322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 478974

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<1.00		1.00	0.170	mg/L		01/22/26 08:06	01/26/26 13:47	1
Iron	<0.500		0.500	0.0790	mg/L		01/22/26 08:06	01/26/26 13:47	1
Magnesium	<1.00		1.00	0.120	mg/L		01/22/26 08:06	01/26/26 13:47	1
Manganese	<0.0100		0.0100	0.00410	mg/L		01/22/26 08:06	01/26/26 13:47	1
Potassium	<2.00		2.00	1.10	mg/L		01/22/26 08:06	01/26/26 13:47	1
Sodium	<2.00		2.00	1.00	mg/L		01/22/26 08:06	01/26/26 13:47	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 310-478974/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 479322
Prep Batch: 478974

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	20.0	17.72		mg/L		89	80 - 120
Iron	2.00	1.821		mg/L		91	80 - 120
Magnesium	20.0	18.24		mg/L		91	80 - 120
Manganese	1.00	0.9379		mg/L		94	80 - 120
Potassium	20.0	20.24		mg/L		101	80 - 120
Sodium	20.0	19.89		mg/L		99	80 - 120

Lab Sample ID: 310-324268-1 MS
Client Sample ID: MW-107
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 479322
Prep Batch: 478974

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	72.3		20.0	89.05		mg/L		84	75 - 125
Iron	0.684		2.00	2.774		mg/L		105	75 - 125
Magnesium	29.2		20.0	48.03		mg/L		94	75 - 125
Manganese	0.265		1.00	1.218		mg/L		95	75 - 125
Potassium	3.24		20.0	24.83		mg/L		108	75 - 125
Sodium	26.4		20.0	46.73		mg/L		102	75 - 125

Lab Sample ID: 310-324268-1 MSD
Client Sample ID: MW-107
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 479322
Prep Batch: 478974

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	72.3		20.0	90.44		mg/L		91	75 - 125	2	20
Iron	0.684		2.00	2.754		mg/L		103	75 - 125	1	20
Magnesium	29.2		20.0	48.58		mg/L		97	75 - 125	1	20
Manganese	0.265		1.00	1.221		mg/L		96	75 - 125	0	20
Potassium	3.24		20.0	24.70		mg/L		107	75 - 125	1	20
Sodium	26.4		20.0	46.89		mg/L		103	75 - 125	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-478759/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 479566
Prep Batch: 478759

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		01/21/26 08:54	01/28/26 14:30	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		01/21/26 08:54	01/28/26 14:30	1
Barium	<0.00200		0.00200	0.000660	mg/L		01/21/26 08:54	01/28/26 14:30	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		01/21/26 08:54	01/28/26 14:30	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		01/21/26 08:54	01/28/26 14:30	1
Chromium	<0.00500		0.00500	0.00180	mg/L		01/21/26 08:54	01/28/26 14:30	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		01/21/26 08:54	01/28/26 14:30	1
Copper	<0.00500		0.00500	0.00320	mg/L		01/21/26 08:54	01/28/26 14:30	1
Lead	<0.000500		0.000500	0.000330	mg/L		01/21/26 08:54	01/28/26 14:30	1
Nickel	<0.00500		0.00500	0.00230	mg/L		01/21/26 08:54	01/28/26 14:30	1
Selenium	<0.00500		0.00500	0.00140	mg/L		01/21/26 08:54	01/28/26 14:30	1

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

Lab Sample ID: MB 310-478759/1-A
Matrix: Water
Analysis Batch: 479566

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 478759

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00100		0.00100	0.000500	mg/L		01/21/26 08:54	01/28/26 14:30	1
Thallium	<0.00100		0.00100	0.000570	mg/L		01/21/26 08:54	01/28/26 14:30	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		01/21/26 08:54	01/28/26 14:30	1
Zinc	<0.0200		0.0200	0.0130	mg/L		01/21/26 08:54	01/28/26 14:30	1

Lab Sample ID: LCS 310-478759/2-A
Matrix: Water
Analysis Batch: 479566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 478759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.1784		mg/L		89	80 - 120
Arsenic	0.200	0.1749		mg/L		87	80 - 120
Barium	0.100	0.08655		mg/L		87	80 - 120
Beryllium	0.100	0.08042		mg/L		80	80 - 120
Cadmium	0.100	0.08834		mg/L		88	80 - 120
Chromium	0.100	0.08227		mg/L		82	80 - 120
Cobalt	0.100	0.08632		mg/L		86	80 - 120
Copper	0.200	0.1741		mg/L		87	80 - 120
Lead	0.200	0.1732		mg/L		87	80 - 120
Nickel	0.200	0.1720		mg/L		86	80 - 120
Selenium	0.400	0.3454		mg/L		86	80 - 120
Silver	0.100	0.1195		mg/L		119	80 - 120
Thallium	0.100	0.08295		mg/L		83	80 - 120
Vanadium	0.100	0.08521		mg/L		85	80 - 120
Zinc	0.200	0.1696		mg/L		85	80 - 120

Lab Sample ID: 310-324268-3 DU
Matrix: Water
Analysis Batch: 479566

Client Sample ID: OP-14
Prep Type: Total/NA
Prep Batch: 478759

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00200		<0.00200		mg/L		NC	20
Arsenic	0.00249		0.002442		mg/L		2	20
Barium	0.0733		0.06904		mg/L		6	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	0.0104		0.009785		mg/L		6	20
Copper	<0.00500		<0.00500		mg/L		NC	20
Lead	<0.000500		<0.000500		mg/L		NC	20
Nickel	0.0228		0.02204		mg/L		3	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	0.00193	J	0.002036	J	mg/L		5	20
Zinc	<0.0200		<0.0200		mg/L		NC	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 310-479149/16
Matrix: Water
Analysis Batch: 479149

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	<0.500		0.500	0.120	mg/L			01/22/26 13:28	1

Lab Sample ID: MB 310-479149/48
Matrix: Water
Analysis Batch: 479149

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	<0.500		0.500	0.120	mg/L			01/22/26 15:25	1

Lab Sample ID: LCS 310-479149/17
Matrix: Water
Analysis Batch: 479149

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	2.26	2.198		mg/L		97	90 - 110

Lab Sample ID: LCS 310-479149/49
Matrix: Water
Analysis Batch: 479149

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	2.26	2.086		mg/L		92	90 - 110

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-850624/1-A
Matrix: Water
Analysis Batch: 850625

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 850624

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.00		1.00	0.231	mg/L		01/20/26 13:54	01/20/26 13:56	1

Lab Sample ID: LCS 500-850624/2-A
Matrix: Water
Analysis Batch: 850625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 850624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	4.04	3.760		mg/L		93	80 - 120

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

Lab Sample ID: MB 310-478741/1
Matrix: Water
Analysis Batch: 478741

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	<5.00		5.00	3.50	mg/L			01/19/26 11:59	1

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

Lab Sample ID: LCS 310-478741/2
Matrix: Water
Analysis Batch: 478741

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		

Lab Sample ID: 310-324268-9 DU
Matrix: Water
Analysis Batch: 478741

Client Sample ID: MW-117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	60.0			59.00		mg/L				2	35

Lab Sample ID: MB 310-478849/1
Matrix: Water
Analysis Batch: 478849

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	<5.00		5.00	3.50	mg/L			01/20/26 12:06	1

Lab Sample ID: LCS 310-478849/2
Matrix: Water
Analysis Batch: 478849

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	82 - 117		

Lab Sample ID: 310-324268-6 DU
Matrix: Water
Analysis Batch: 478849

Client Sample ID: MW-42
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	97.0			96.00		mg/L				1	35

Lab Sample ID: MB 310-478944/1
Matrix: Water
Analysis Batch: 478944

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	<5.00		5.00	3.50	mg/L			01/21/26 09:38	1

Lab Sample ID: LCS 310-478944/2
Matrix: Water
Analysis Batch: 478944

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		

Lab Sample ID: 310-324268-10 DU
Matrix: Water
Analysis Batch: 478944

Client Sample ID: MW-118
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	92.0			100.0		mg/L				8	35

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 310-479032/2
Matrix: Water
Analysis Batch: 479032

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	1000	1003		mg/L		100	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 310-479081/11
Matrix: Water
Analysis Batch: 479081

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<1.00		1.00	0.500	mg/L			01/21/26 17:00	1

Lab Sample ID: LCS 310-479081/6
Matrix: Water
Analysis Batch: 479081

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	9.99	11.47		mg/L		115	85 - 115

GC/MS VOA

Analysis Batch: 478757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-1	MW-107	Total/NA	Water	8260D	
310-324268-2	MW-114	Total/NA	Water	8260D	
310-324268-3	OP-14	Total/NA	Water	8260D	
310-324268-5	MW-20AR	Total/NA	Water	8260D	
310-324268-7	MW-43	Total/NA	Water	8260D	
310-324268-9	MW-117	Total/NA	Water	8260D	
310-324268-11	MW-DA	Total/NA	Water	8260D	
310-324268-13	Trip Blank 1	Total/NA	Water	8260D	
310-324268-14	Trip Blank 2	Total/NA	Water	8260D	
MB 310-478757/5	Method Blank	Total/NA	Water	8260D	
LCS 310-478757/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-478757/7	Lab Control Sample	Total/NA	Water	8260D	
310-324268-1 MS	MW-107	Total/NA	Water	8260D	
310-324268-1 MSD	MW-107	Total/NA	Water	8260D	

Analysis Batch: 478858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-4	OP-19	Total/NA	Water	8260D	
310-324268-6	MW-42	Total/NA	Water	8260D	
310-324268-8	MW-48	Total/NA	Water	8260D	
310-324268-10	MW-118	Total/NA	Water	8260D	
MB 310-478858/5	Method Blank	Total/NA	Water	8260D	
LCS 310-478858/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-478858/7	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 478785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-1	MW-107	Total/NA	Water	9056A	
310-324268-2	MW-114	Total/NA	Water	9056A	
MB 310-478785/3	Method Blank	Total/NA	Water	9056A	
LCS 310-478785/4	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 478759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-1	MW-107	Total/NA	Water	3005A	
310-324268-2	MW-114	Total/NA	Water	3005A	
310-324268-3	OP-14	Total/NA	Water	3005A	
310-324268-4	OP-19	Total/NA	Water	3005A	
310-324268-5	MW-20AR	Total/NA	Water	3005A	
310-324268-6	MW-42	Total/NA	Water	3005A	
310-324268-7	MW-43	Total/NA	Water	3005A	
310-324268-8	MW-48	Total/NA	Water	3005A	
310-324268-9	MW-117	Total/NA	Water	3005A	
310-324268-10	MW-118	Total/NA	Water	3005A	
310-324268-11	MW-DA	Total/NA	Water	3005A	
MB 310-478759/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-478759/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-324268-3 DU	OP-14	Total/NA	Water	3005A	

Metals

Prep Batch: 478974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-1	MW-107	Total/NA	Water	3005A	
310-324268-2	MW-114	Total/NA	Water	3005A	
MB 310-478974/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-478974/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-324268-1 MS	MW-107	Total/NA	Water	3005A	
310-324268-1 MSD	MW-107	Total/NA	Water	3005A	

Analysis Batch: 479322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-1	MW-107	Total/NA	Water	6010D	478974
310-324268-2	MW-114	Total/NA	Water	6010D	478974
MB 310-478974/1-A	Method Blank	Total/NA	Water	6010D	478974
LCS 310-478974/2-A	Lab Control Sample	Total/NA	Water	6010D	478974
310-324268-1 MS	MW-107	Total/NA	Water	6010D	478974
310-324268-1 MSD	MW-107	Total/NA	Water	6010D	478974

Analysis Batch: 479566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-1	MW-107	Total/NA	Water	6020B	478759
310-324268-2	MW-114	Total/NA	Water	6020B	478759
310-324268-3	OP-14	Total/NA	Water	6020B	478759
310-324268-4	OP-19	Total/NA	Water	6020B	478759
310-324268-5	MW-20AR	Total/NA	Water	6020B	478759
310-324268-6	MW-42	Total/NA	Water	6020B	478759
310-324268-7	MW-43	Total/NA	Water	6020B	478759
310-324268-8	MW-48	Total/NA	Water	6020B	478759
310-324268-9	MW-117	Total/NA	Water	6020B	478759
310-324268-10	MW-118	Total/NA	Water	6020B	478759
310-324268-11	MW-DA	Total/NA	Water	6020B	478759
MB 310-478759/1-A	Method Blank	Total/NA	Water	6020B	478759
LCS 310-478759/2-A	Lab Control Sample	Total/NA	Water	6020B	478759
310-324268-3 DU	OP-14	Total/NA	Water	6020B	478759

General Chemistry

Analysis Batch: 478741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-1	MW-107	Total/NA	Water	I-3765-85	
310-324268-2	MW-114	Total/NA	Water	I-3765-85	
310-324268-3	OP-14	Total/NA	Water	I-3765-85	
310-324268-5	MW-20AR	Total/NA	Water	I-3765-85	
310-324268-7	MW-43	Total/NA	Water	I-3765-85	
310-324268-9	MW-117	Total/NA	Water	I-3765-85	
310-324268-11	MW-DA	Total/NA	Water	I-3765-85	
MB 310-478741/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-478741/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-324268-9 DU	MW-117	Total/NA	Water	I-3765-85	

Analysis Batch: 478849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-4	OP-19	Total/NA	Water	I-3765-85	

General Chemistry (Continued)

Analysis Batch: 478849 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-6	MW-42	Total/NA	Water	I-3765-85	
MB 310-478849/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-478849/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-324268-6 DU	MW-42	Total/NA	Water	I-3765-85	

Analysis Batch: 478944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-8	MW-48	Total/NA	Water	I-3765-85	
310-324268-10	MW-118	Total/NA	Water	I-3765-85	
MB 310-478944/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-478944/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-324268-10 DU	MW-118	Total/NA	Water	I-3765-85	

Analysis Batch: 479032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-1	MW-107	Total/NA	Water	SM 2320B	
310-324268-2	MW-114	Total/NA	Water	SM 2320B	
LCS 310-479032/2	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 479081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-1	MW-107	Total/NA	Water	SM 5310C	
310-324268-2	MW-114	Total/NA	Water	SM 5310C	
MB 310-479081/11	Method Blank	Total/NA	Water	SM 5310C	
LCS 310-479081/6	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 479149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-1	MW-107	Total/NA	Water	350.1	
310-324268-2	MW-114	Total/NA	Water	350.1	
MB 310-479149/16	Method Blank	Total/NA	Water	350.1	
MB 310-479149/48	Method Blank	Total/NA	Water	350.1	
LCS 310-479149/17	Lab Control Sample	Total/NA	Water	350.1	
LCS 310-479149/49	Lab Control Sample	Total/NA	Water	350.1	

Prep Batch: 850624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-5	MW-20AR	Total/NA	Water	9030B	
MB 500-850624/1-A	Method Blank	Total/NA	Water	9030B	
LCS 500-850624/2-A	Lab Control Sample	Total/NA	Water	9030B	

Analysis Batch: 850625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-324268-5	MW-20AR	Total/NA	Water	9034	850624
MB 500-850624/1-A	Method Blank	Total/NA	Water	9034	850624
LCS 500-850624/2-A	Lab Control Sample	Total/NA	Water	9034	850624

Lab Chronicle

Client: SCS Engineers
Job ID: 310-324268-1
Project/Site: Scott Area Landfill 2026 HMSP

Client Sample ID: MW-107
Lab Sample ID: 310-324268-1
Date Collected: 01/13/26 14:24
Matrix: Water
Date Received: 01/17/26 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	478757	WSE8	EET CF	01/19/26 20:02
Total/NA	Analysis	9056A		1	478785	ZRI4	EET CF	01/19/26 10:52
Total/NA	Prep	3005A			478974	RLT9	EET CF	01/22/26 08:06
Total/NA	Analysis	6010D		1	479322	ZRI4	EET CF	01/26/26 13:50
Total/NA	Prep	3005A			478759	RLT9	EET CF	01/21/26 08:54
Total/NA	Analysis	6020B		1	479566	NFT2	EET CF	01/28/26 15:08
Total/NA	Analysis	350.1		1	479149	ENB7	EET CF	01/22/26 15:10
Total/NA	Analysis	I-3765-85		1	478741	DGU1	EET CF	01/19/26 11:59
Total/NA	Analysis	SM 2320B		1	479032	WZC8	EET CF	01/21/26 14:21
Total/NA	Analysis	SM 5310C		1	479081	WZC8	EET CF	01/22/26 07:27

Client Sample ID: MW-114
Lab Sample ID: 310-324268-2
Date Collected: 01/13/26 15:16
Matrix: Water
Date Received: 01/17/26 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	478757	WSE8	EET CF	01/19/26 20:24
Total/NA	Analysis	9056A		1	478785	ZRI4	EET CF	01/19/26 11:05
Total/NA	Prep	3005A			478974	RLT9	EET CF	01/22/26 08:06
Total/NA	Analysis	6010D		1	479322	ZRI4	EET CF	01/26/26 13:56
Total/NA	Prep	3005A			478759	RLT9	EET CF	01/21/26 08:54
Total/NA	Analysis	6020B		1	479566	NFT2	EET CF	01/28/26 15:11
Total/NA	Analysis	350.1		1	479149	ENB7	EET CF	01/22/26 15:14
Total/NA	Analysis	I-3765-85		1	478741	DGU1	EET CF	01/19/26 11:59
Total/NA	Analysis	SM 2320B		1	479032	WZC8	EET CF	01/21/26 14:31
Total/NA	Analysis	SM 5310C		1	479081	WZC8	EET CF	01/22/26 08:03

Client Sample ID: OP-14
Lab Sample ID: 310-324268-3
Date Collected: 01/13/26 13:13
Matrix: Water
Date Received: 01/17/26 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	478757	WSE8	EET CF	01/19/26 20:47
Total/NA	Prep	3005A			478759	RLT9	EET CF	01/21/26 08:54
Total/NA	Analysis	6020B		1	479566	NFT2	EET CF	01/28/26 15:13
Total/NA	Analysis	I-3765-85		1	478741	DGU1	EET CF	01/19/26 11:59

Client Sample ID: OP-19
Lab Sample ID: 310-324268-4
Date Collected: 01/14/26 14:47
Matrix: Water
Date Received: 01/17/26 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	478858	WSE8	EET CF	01/21/26 12:24

Lab Chronicle

Client: SCS Engineers
Project/Site: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Client Sample ID: OP-19
Date Collected: 01/14/26 14:47
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			478759	RLT9	EET CF	01/21/26 08:54
Total/NA	Analysis	6020B		1	479566	NFT2	EET CF	01/28/26 15:19
Total/NA	Analysis	I-3765-85		1	478849	DGU1	EET CF	01/20/26 12:06

Client Sample ID: MW-20AR
Date Collected: 01/13/26 16:00
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	478757	WSE8	EET CF	01/19/26 21:09
Total/NA	Prep	3005A			478759	RLT9	EET CF	01/21/26 08:54
Total/NA	Analysis	6020B		1	479566	NFT2	EET CF	01/28/26 15:21
Total/NA	Prep	9030B			850624	TR	EET CHI	01/20/26 13:54 - 01/20/26 13:55 [1]
Total/NA	Analysis	9034		1	850625	TR	EET CHI	01/20/26 14:04 - 01/20/26 14:08 [1]
Total/NA	Analysis	I-3765-85		1	478741	DGU1	EET CF	01/19/26 11:59

Client Sample ID: MW-42
Date Collected: 01/14/26 14:02
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	478858	WSE8	EET CF	01/21/26 12:47
Total/NA	Prep	3005A			478759	RLT9	EET CF	01/21/26 08:54
Total/NA	Analysis	6020B		1	479566	NFT2	EET CF	01/28/26 15:24
Total/NA	Analysis	I-3765-85		1	478849	DGU1	EET CF	01/20/26 12:06

Client Sample ID: MW-43
Date Collected: 01/13/26 12:25
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	478757	WSE8	EET CF	01/19/26 21:32
Total/NA	Prep	3005A			478759	RLT9	EET CF	01/21/26 08:54
Total/NA	Analysis	6020B		1	479566	NFT2	EET CF	01/28/26 15:31
Total/NA	Analysis	I-3765-85		1	478741	DGU1	EET CF	01/19/26 11:59

Client Sample ID: MW-48
Date Collected: 01/15/26 11:28
Date Received: 01/17/26 10:30

Lab Sample ID: 310-324268-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	478858	WSE8	EET CF	01/21/26 13:09
Total/NA	Prep	3005A			478759	RLT9	EET CF	01/21/26 08:54
Total/NA	Analysis	6020B		1	479566	NFT2	EET CF	01/28/26 15:34
Total/NA	Analysis	I-3765-85		1	478944	DGU1	EET CF	01/21/26 09:38

Lab Chronicle

Client: SCS Engineers
Job ID: 310-324268-1
Project/Site: Scott Area Landfill 2026 HMSP

Client Sample ID: MW-117
Lab Sample ID: 310-324268-9
Date Collected: 01/13/26 13:49
Matrix: Water
Date Received: 01/17/26 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	478757	WSE8	EET CF	01/19/26 21:54
Total/NA	Prep	3005A			478759	RLT9	EET CF	01/21/26 08:54
Total/NA	Analysis	6020B		1	479566	NFT2	EET CF	01/28/26 15:37
Total/NA	Analysis	I-3765-85		1	478741	DGU1	EET CF	01/19/26 11:59

Client Sample ID: MW-118
Lab Sample ID: 310-324268-10
Date Collected: 01/15/26 12:15
Matrix: Water
Date Received: 01/17/26 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	478858	WSE8	EET CF	01/21/26 13:32
Total/NA	Prep	3005A			478759	RLT9	EET CF	01/21/26 08:54
Total/NA	Analysis	6020B		1	479566	NFT2	EET CF	01/28/26 15:39
Total/NA	Analysis	I-3765-85		1	478944	DGU1	EET CF	01/21/26 09:38

Client Sample ID: MW-DA
Lab Sample ID: 310-324268-11
Date Collected: 01/13/26 00:00
Matrix: Water
Date Received: 01/17/26 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	478757	WSE8	EET CF	01/19/26 22:17
Total/NA	Prep	3005A			478759	RLT9	EET CF	01/21/26 08:54
Total/NA	Analysis	6020B		1	479566	NFT2	EET CF	01/28/26 15:42
Total/NA	Analysis	I-3765-85		1	478741	DGU1	EET CF	01/19/26 11:59

Client Sample ID: Trip Blank 1
Lab Sample ID: 310-324268-13
Date Collected: 01/13/26 00:00
Matrix: Water
Date Received: 01/17/26 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	478757	WSE8	EET CF	01/19/26 15:08

Client Sample ID: Trip Blank 2
Lab Sample ID: 310-324268-14
Date Collected: 01/13/26 00:00
Matrix: Water
Date Received: 01/17/26 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	478757	WSE8	EET CF	01/19/26 15:31

[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

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 310-324268-1
Project/Site: Scott Area Landfill 2026 HMSP

Laboratory: Eurofins Cedar Falls

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

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-27

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: Scott Area Landfill 2026 HMSP

Job ID: 310-324268-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
9056A	Anions, Ion Chromatography	SW846	EET CF
6010D	Metals (ICP)	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
350.1	Nitrogen, Ammonia	EPA	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
SM 2320B	Alkalinity	SM	EET CF
SM 5310C	TOC	SM	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

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

eurofins | Environment Testing America

310-324268 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: SCS

City/State: CITY W. Des Moines STATE IA Project

Receipt Information

Date/Time Received: DATE 1-17-26 TIME 1030 Received By: PH

Delivery Type. ☐ UPS ☑ FedEx Sat ☐ 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 # 1 of 2

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? ↓

MW-43, 117, 118, DA

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other._____ ☐ NONE

Thermometer ID AA Correction Factor (°C) 0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): -0.1 Corrected Temp (°C) -0.1

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
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

Received MW-DA

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: SCS

City/State: CITY W. Des Moines STATE IA | Project:

Receipt Information

Date/Time Received: DATE 1.17.26 TIME 1030 | Received By: PH

Delivery Type: ☐ UPS ☑ FedEx Sat ☐ 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 # 2 of 2

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? ↓

The rest

Temperature Record

Coolant. ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID AA | Correction Factor (°C) 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.3 | Corrected Temp (°C): 1.3

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used.		
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 50613-6907
phone 319.277.2401 fax 319.277.2425

Chain of Custody Record

Eurofins Davenport SC 212

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Ohrt	Site Contact: Brian Seals	Date:	COC No
Nathan Ohrt	Email nohrt@scsengineers.com	Lab Contact: Sam Miller	Carrier:	1 of 1 CC
SCS Engineers	Cell 319-331-9613			Sampler:
1690 All State Court, Suite 100	Analysis Turnaround Time			For Lab Use Only:
West Des Moines, IA 50265	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
	Other:			Lab Sampling
Project Name. SAL 2nd 2025 HMSP Geochemistry & NA	☐ 2 weeks			
Site. Scott Area Landfill	☐ 1 week			Job / SDG No.
P O # 27225277.26	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Appendix I	Total Suspended Solids	Sulfide	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Calcium	Chloride	Magnesium	Potassium	Sodium	Sulfate	Total Organic Carbon	Nitrate	Ammonia	Total Iron	Total Manganese	Trip Blank	Sample Specific Nc
MW-107	1-13	1424	G	GW		N	N	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		
MW-114	1-13	1516	G	GW		N	N	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		
OP-14	1-13	1313	G	GW		N	N	X	X																
OP-19	1-14	1447	G	GW		N	N	X	X																
MW-20AR	1600	1-13	G	GW		N	N	X	X	X															
~~MW-41~~	—	—	G	GW		N	N	X	X																No Sample
MW-42	1-14	1402	G	GW		N	N	X	X																
MW-43	1-13	1225	G	GW		N	N	X	X																
MW-48	1-15	1129	G	GW		N	N	X	X																
MW-117	1-13	~~1-15~~	1349	G	GW		N	N	X	X																
MW-118	1-15	~~1-13~~	1215	G	GW		N	N	X	X																
~~UB-4~~				G	GW		N	N	X	X																No Sample
MW-DA	—	—	G	GW		N	N	X	X																
Trip Blank						N																		X	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments.

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd ____ Corr'd ____ | Therm ID No. ____

	Company	Date/Time		Company	
Relinquished by: Garrett Hovey	SCS	1-15 ~~1615~~	Received by: Michelle Gregg	Eurofins	1-15-24 1627
Relinquished by: Michelle Gregg	Eurofins	1-16-24 1615 1500	Received by:	Company:	
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	1-17-24 1030

Form No. CA-C-WI-002, Rev. 4.23, dated 4/16/2019

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Miller, Samuel	Carrier Tracking No(s): N/A	COC No: 310-90662 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 Centr		Accreditations Required (See note): State - Iowa, State Program - Iowa		Job #: 310-324268-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 2/2/2026			
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Scott Area Landfill 2026 HMSP	Project #: 31002767			
Site: 310-SCS Scott Area Landfill	SSOW#: N/A			

Analysis Requested

Preservation Codes

310-324268 COC

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc/9030B	Total Number of containers	Special Instructions/Note:
			Preservation Code.						
MW-20AR (310-324268-5)	1/13/26	16 00 Central	G	Water			X	1	

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) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	1/19/26 15.10		Received by:	01/20/26 0935	FEETA
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 13→15 BOX

Ver 10/10/2024

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-324268-1

Login Number: 324268
List Number: 1
Creator: Hickman, Emma

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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)	False	Nitrates
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-324268-1

Login Number: 324268
List Number: 2
Creator: Knox, Angel

List Source: Eurofins Chicago
List Creation: 01/20/26 10:17 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	1.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Appendix B-2
Data Validation Documentation

Completed by: Nathan Ohrt
Sample Date: 1/29/2025
Lab Report Date: 2/11/2025
Site Name: Scott Area Landfill
Project Type: Winter 2025 Retest
Lab Report Number: 310-299550

	OK	NO	N/A	NOTES
Sample Collection and Sample Handling				
Chain of Custody	X			
Temperature	X			
Preservation	X			
Condition	X			
Case Narrative	X			
Holding Times	X			
Analytical Sensitivity and Blanks				
Method Blank Detections	X			No detections.
Trip Blank Detections	X			No detections.
Accuracy				
ICV/CCV	X			
LCS/LCSD	X			
MS/MSD	X			
Surrogates (organics only)	X			
Other QA QC samples	X			
Precision				
QA/QC Sample RPDs	X			
Field Duplicates			X	

Completed by: Nathan Ohrt
Sample Date: 3/6/2025
Lab Report Date: 3/11/2025
Site Name: Scott Area Landfill
Project Type: Toluene Tests
Lab Report Number: 310-301590

	OK	NO	N/A	NOTES
Sample Collection and Sample Handling				
Chain of Custody	X			
Temperature	X			
Preservation	X			
Condition	X			
Case Narrative	X			
Holding Times	X			
Analytical Sensitivity and Blanks				
Method Blank Detections	X			No detections.
Trip Blank Detections	X			No detections.
Accuracy				
ICV/CCV	X			
LCS/LCSD	X			
MS/MSD	X			
Surrogates (organics only)	X			
Other QA QC samples	X			
Precision				
QA/QC Sample RPDs	X			
Field Duplicates			X	

Completed by: Nathan Ohrt
Sample Date: 6/4/2025
Lab Report Date: 6/18/2025
Site Name: Scott Area Landfill
Project Type: 1st 2025 HMSP, Geochemistry, & Natural Attenuation
Lab Report Number: 310-308064

	OK	NO	N/A	NOTES
Sample Collection and Sample Handling				
Chain of Custody	X			
Temperature	X			
Preservation	X			
Condition	X			
Case Narrative	X			
Holding Times	X			
Analytical Sensitivity and Blanks				
Method Blank Detections	X			No detections.
Trip Blank Detections	X			No detections.
Accuracy				
ICV/CCV	X			
LCS/LCSD	X			
MS/MSD	X			
Surrogates (organics only)	X			
Other QA QC samples	X			
Precision				
QA/QC Sample RPDs	X			
Field Duplicates			X	

Completed by: Nathan Ohrt
Sample Date: 6/5/2025
Lab Report Date: 6/24/2025
Site Name: Scott Area Landfill
Project Type: 1st 2025 HMSP, Geochemistry, & Natural Attenuation
Lab Report Number: 310-308158

	OK	NO	N/A	NOTES
Sample Collection and Sample Handling				
Chain of Custody	X			
Temperature	X			
Preservation	X			
Condition	X			
Case Narrative	X			Trip Blank #2 was analyzed with headspace in the sample container.
Holding Times	X			
Analytical Sensitivity and Blanks				
Method Blank Detections	X			No detections.
Trip Blank Detections	X			No detections.
Accuracy				
ICV/CCV		X		The continuing calibration verification (CCV) recovered above the upper control limit for 4-Nitrophenol; the associated samples were non-detect for the affected analyte so the data was reported.
LCS/LCSD	X	X		The laboratory control sample (LCS) recovered outside acceptance limits for 1,4-Phenylenediamine, 3,3'-Dimethylbenzidine and Famphur; there was insufficient sample to perform a re-extraction or re-analysis so the data was reported. The LCS recovered outside control limits for silver; the analyte was biased high in the LCS and was not detected in the associated samples so the data was reported.
MS/MSD	X	X		Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD); the laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.
Surrogates (organics only)	X			
Other QA QC samples	X			
Precision				
QA/QC Sample RPDs		X		The RPD of the LCS/LCSD recovered outside control limits for 1-Naphthylamine, 3,3'-Dimethylbenzidine and Methapyrilene.
Field Duplicates	X			Sample MW-42 and duplicate sample MW-DA had <50% RPD for 60 of 62 parameters with the exceptions of barium (-81%) and cobalt (146%).

Completed by: Nathan Ohrt
Sample Date: 9/24-25/2025
Lab Report Date: 10/9/2025
Site Name: Scott Area Landfill
Project Type: September 2025 Retest and Background
Lab Report Number: 310-316723

	OK	NO	N/A	NOTES
Sample Collection and Sample Handling				
Chain of Custody	X			
Temperature	X			
Preservation	X			Sample MW-117 was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory; the sample was analyzed within the 7-day holding time specified for unpreserved samples.
Condition	X			
Case Narrative	X			
Holding Times	X			
Analytical Sensitivity and Blanks				
Method Blank Detections	X			No detections.
Trip Blank Detections	X			No detections.
Accuracy				
ICV/CCV		X		Continuing calibration verification (CCV) recovered above the upper control limit for Iodomethane, Chloromethane, and Bromomethane: the associated samples were non-detect for the affected analyte so the data was reported.
LCS/LCSD	X			
MS/MSD	X			
Surrogates (organics only)	X			
Other QA QC samples	X			
Precision				
QA/QC Sample RPDs	X	X		
Field Duplicates			X	

Completed by: Nathan Ohrt
Sample Date: 11/4-5/2025
Lab Report Date: 11/14/2025
Site Name: Scott Area Landfill
Project Type: Fall 2025 2nd Retest
Lab Report Number: 310-320147

	OK	NO	N/A	NOTES
Sample Collection and Sample Handling				
Chain of Custody	X			
Temperature	X			
Preservation	X			
Condition	X			
Case Narrative	X			
Holding Times	X			
Analytical Sensitivity and Blanks				
Method Blank Detections	X			No detections.
Trip Blank Detections			X	
Accuracy				
ICV/CCV	X			
LCS/LCSD	X			
MS/MSD	X			
Surrogates (organics only)	X			
Other QA QC samples	X			
Precision				
QA/QC Sample RPDs	X			
Field Duplicates			X	

Completed by: Nathan Ohrt
Sample Date: 1/13/2026
Lab Report Date: 1/20/2026
Site Name: Scott Area Landfill
Project Type: 2026 Natural Attenuation
Lab Report Number: 310-324268-2

	OK	NO	N/A	NOTES
Sample Collection and Sample Handling				
Chain of Custody		X		The container label for multiple samples did not match the information listed on the Chain-of-Custody; the client was contacted for the correct information.
Temperature	X			
Preservation	X			
Condition	X			
Case Narrative	X			
Holding Times		X		Samples MW-107 and MW-114 were received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less; the laboratory had insufficient time remaining to perform the analysis within holding time.
Analytical Sensitivity and Blanks				
Method Blank Detections	X			No detections.
Trip Blank Detections			X	
Accuracy				
ICV/CCV	X			
LCS/LCSD	X			
MS/MSD	X			
Surrogates (organics only)	X			
Other QA QC samples	X			
Precision				
QA/QC Sample RPDs	X			
Field Duplicates			X	

Completed by: Nathan Ohrt
Sample Date: 1/13-15/2026
Lab Report Date: 1/29/2026
Site Name: Scott Area Landfill
Project Type: 2nd 2025 HMSP, Geochemistry, & Natural Attenuation
Lab Report Number: 310-324268-1

	OK	NO	N/A	NOTES
Sample Collection and Sample Handling				
Chain of Custody		X		The container label for multiple samples did not match the information listed on the Chain-of-Custody; the client was contacted for the correct information.
Temperature	X			
Preservation	X			
Condition		X		Trip Blank 2 was analyzed with headspace in the sample container.
Case Narrative	X			
Holding Times		X		Samples MW-107 and MW-114 were received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less; the laboratory had insufficient time remaining to perform the analysis within holding time.
Analytical Sensitivity and Blanks				
Method Blank Detections	X			No detections.
Trip Blank Detections	X			No detections.
Accuracy				
ICV/CCV		X		The continuing calibration verification (CCV) recovered above the upper control limit for Carbon tetrachloride; the associated samples were non-detect for the affected analyte so the data was reported.
LCS/LCSD	X			
MS/MSD	X			
Surrogates (organics only)	X			
Other QA QC samples	X			
Precision				
QA/QC Sample RPDs	X			
Field Duplicates	X			Sample MW-48 and duplicate sample MW-DA had <50% RPD for analyzed parameters.

Appendix C
Reporting Period Summary of Groundwater Chemistry

SCS ENGINEERS

Summary of Groundwater Chemistry
Scott Area Landfill - 82-SDP-09-92P

Total Metals Constituents	Sample Date	MW-107 UPG	MW-114 UPG	MW-20AR DNG	MW-41 DNG	MW-42 DNG	MW-43 DNG	MW-48 DNG	MW-117 DNG	OP-14 DNG	OP-19 DNG	UD-4 DNG	MW-118 DNG	SedPond1 DNG	SedPond2 DNG
Antimony, mg/L (CAS NO - 7440-36-0)	1/29/2025	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	N/A
	6/4/2025	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	N/A	N/A
	6/4/2025	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	N/A
	9/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0011*	N/A	N/A	N/A
	1/13/2026	< 0.002	< 0.002	< 0.002	N/A	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	N/A	< 0.002	N/A	N/A
	1/13/2026	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
Arsenic, mg/L (CAS NO - 7440-38-2)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.00179*	N/A	N/A	N/A
	6/4/2025	0.000632*	< 0.002	**0.00533**	**0.00505**	0.00174*	0.00125*	0.000679*	**0.024**	**0.0025**	0.000857*	**0.0226**	**0.0126**	N/A	N/A
	6/4/2025	N/A	N/A	N/A	N/A	**0.026**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	9/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.0179**	N/A	N/A	**0.00421**	N/A	N/A	N/A
	1/13/2026	0.00103*	0.000642*	**0.00338**	N/A	**0.023**	0.00118*	0.00107*	**0.0253**	**0.00249**	0.00167*	N/A	**0.0166**	N/A	N/A
	1/13/2026	N/A	N/A	N/A	N/A	N/A	N/A	0.00107*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barium, mg/L (CAS NO - 7440-39-3)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.148**	N/A	N/A	N/A
	6/4/2025	**0.175**	**0.111**	**0.0484**	**0.204**	**0.31**	**0.15**	**0.101**	**0.371**	**0.0844**	**0.229**	**0.295**	**0.162**	N/A	N/A
	6/4/2025	N/A	N/A	N/A	N/A	**0.13**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	9/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.237**	N/A	N/A	N/A
	1/13/2026	**0.144**	**0.0984**	**0.0497**	N/A	**0.278**	**0.0837**	**0.0825**	**0.29**	**0.0733**	**0.234**	N/A	**0.13**	N/A	N/A
	1/13/2026	N/A	N/A	N/A	N/A	N/A	N/A	**0.0888**	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Beryllium, mg/L (CAS NO - 7440-41-7)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A
	6/4/2025	< 0.001	< 0.001	< 0.001	0.000452*	< 0.001	< 0.001	< 0.001	0.00082*	< 0.001	< 0.001	< 0.001	< 0.001	N/A	N/A
	6/4/2025	N/A	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	9/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A
	1/13/2026	< 0.001	< 0.001	< 0.001	N/A	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	N/A	< 0.001	N/A	N/A
	1/13/2026	N/A	N/A	N/A	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cadmium, mg/L (CAS NO - 7440-43-9)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.000418**	N/A	N/A	N/A
	6/4/2025	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000386**	< 0.0002	< 0.0002	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 0.0002	< 0.0002	< 0.0002	N/A	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000489**	N/A	< 0.0002	N/A	N/A
	1/13/2026	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
Chromium, mg/L (CAS NO - 7440-47-3)	1/29/2025	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
	6/4/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 0.005	< 0.005	< 0.005	N/A	0.00194*	< 0.005	< 0.005	< 0.005	< 0.005	0.00197*	N/A	0.0046*	N/A	N/A
	1/13/2026	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
Cobalt, mg/L (CAS NO - 7440-48-4)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.00539**	N/A	N/A	N/A
	6/4/2025	0.000267*	< 0.0005	**0.000528**	**0.00121**	**0.0035**	**0.000767**	0.000357*	**0.0165**	**0.0129**	**0.00232**	0.00044*	**0.00212**	N/A	N/A
	6/4/2025	N/A	N/A	N/A	N/A	**0.000547**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	9/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.0128**	N/A	N/A	N/A
	1/13/2026	**0.000689**	< 0.0005	0.000485*	N/A	**0.00171**	**0.00102**	0.000204*	**0.00505**	**0.0104**	**0.00427**	N/A	**0.00149**	N/A	N/A
	1/13/2026	N/A	N/A	N/A	N/A	N/A	N/A	0.000198*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Copper, mg/L (CAS NO - 7440-50-8)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.00243*	N/A	N/A	N/A
	6/4/2025	< 0.005	< 0.005	< 0.005	**0.0249**	< 0.005	< 0.005	**0.00774**	< 0.005	< 0.005	**0.0232**	< 0.005	< 0.005	N/A	N/A
	6/4/2025	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
	9/24/2025	N/A	N/A	N/A	< 0.005	N/A	N/A	**0.00698**	N/A	N/A	0.00392*	< 0.005	N/A	N/A	N/A
	11/4/2025	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
	1/13/2026	< 0.005	< 0.005	**0.0252**	N/A	< 0.005	< 0.005	**0.00555**	< 0.005	< 0.005	0.00397*	N/A	< 0.005	N/A	N/A
	1/13/2026	N/A	N/A	N/A	N/A	N/A	N/A	**0.00502**	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lead, mg/L (CAS NO - 7439-92-1)	1/29/2025	N/A	N/A	N/A	< 0.0005	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0005	N/A	N/A	N/A
	6/4/2025	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000509**	< 0.0005	< 0.0005	< 0.0005	0.000378*	N/A	N/A
	6/4/2025	N/A	N/A	N/A	N/A	0.000429*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	9/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.000404*	N/A	N/A	< 0.0005	N/A	N/A	N/A
	1/13/2026	< 0.0005	< 0.0005	< 0.0005	N/A	**0.00135**	< 0.0005	< 0.0005	0.000339*	< 0.0005	**0.000887**	N/A	**0.000878**	N/A	N/A
	1/13/2026	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
Mercury, mg/L (CAS NO - 7439-97-6)	6/4/2025	N/A	N/A	< 0.0002	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nickel, mg/L (CAS NO - 7440-02-0)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.0243**	N/A	N/A	N/A
	6/4/2025	< 0.005	< 0.005	< 0.005	< 0.005	0.0044*	< 0.005	**0.0119**	**0.0114**	**0.0261**	**0.00536**	< 0.005	**0.0102**	N/A	N/A
	6/4/2025	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
	9/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.0589**	N/A	N/A	N/A
	1/13/2026	< 0.005	< 0.005	< 0.005	N/A	**0.00527**	0.00281*	**0.0108**	< 0.005	**0.0228**	**0.0111**	N/A	**0.0174**	N/A	N/A
	1/13/2026	N/A	N/A	N/A	N/A	N/A	N/A	**0.0117**	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Selenium, mg/L (CAS NO - 7782-49-2)	1/29/2025	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
	6/4/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 0.005	< 0.005	< 0.005	N/A	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	N/A	< 0.005	N/A	N/A
	1/13/2026	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
Silver, mg/L (CAS NO - 7440-22-4)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A
	6/4/2025	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	N/A	N/A
	6/4/2025	N/A	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	9/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A
	6/4/2025	N/A	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	9/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A
	1/13/2026	< 0.001	< 0.001	< 0.001	N/A	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	N/A	< 0.001	N/A	N/A
	1/13/2026	N/A	N/A	N/A	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Thallium, mg/L (CAS NO - 7440-28-0)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A
	6/4/2025	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	N/A	N/A
	6/4/2025	N/A	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	9/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A
	1/13/2026	< 0.001	< 0.001	< 0.001	N/A	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	N/A	< 0.001	N/A	N/A
	1/13/2026	N/A	N/A	N/A	N/A	N/A	N/A	< 0.001	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tin, mg/L (CAS NO - 7440-31-5)	6/4/2025	N/A	N/A	< 0.005	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vanadium, mg/L (CAS NO - 7440-62-2)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.00119*	N/A	N/A	N/A
	6/4/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00558**	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	0.00232*	0.00313*	0.00237*	N/A	0.00356*	< 0.005	0.00291*	< 0.005	0.00193*	0.00493*	N/A	**0.00749**	N/A	N/A
	1/13/2026	N/A	N/A	N/A	N/A	N/A	N/A	0.00258*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Zinc, mg/L (CAS NO - 7440-66-6)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.00985*	N/A	N/A	N/A
	6/4/2025	< 0.02	< 0.02	< 0.02	**0.0213**	< 0.02	< 0.02	< 0.02	**0.0799**	< 0.02	< 0.02	< 0.02	< 0.02	N/A	N/A
	6/4/2025	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
	9/24/2025	N/A	N/A	N/A	**0.0738**	N/A	N/A	N/A	**0.0337**	N/A	N/A	< 0.02	N/A	N/A	N/A
	11/4/2025	N/A	N/A	N/A	< 0.04	N/A	N/A	N/A	< 0.04	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	< 0.02	< 0.02	0.0146*	N/A	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	N/A	0.0136*	N/A	N/A
	1/13/2026	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
Total Suspended Solids, mg/L (CAS NO - TSS)	1/29/2025	N/A	N/A	N/A	**36.7**	N/A	N/A	N/A	N/A	N/A	N/A	4.67*	N/A	N/A	N/A
	6/4/2025	**2.38**	< 1.88	**10**	**7.67**	**39**	**2.88**	< 1.88	**124**	**2.25**	**2.25**	**42**	**84**	N/A	N/A
	6/4/2025	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
	9/24/2025	N/A	N/A	N/A	**490**	N/A	N/A	**3.75**	**362**	N/A	**8.37**	**9.25**	N/A	N/A	N/A
	11/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	**8.5**	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	**25.8**	**5.12**	**8.5**	N/A	**97**	**7.13**	1.75*	**60**	**2.13**	**30**	N/A	**92**	N/A	N/A
	1/13/2026	N/A	N/A	N/A	N/A	N/A	N/A	**2.13**	N/A	N/A	N/A	N/A	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.

SCS ENGINEERS

Summary of Groundwater Chemistry
Scott Area Landfill - 82-SDP-09-92P

Appendix I VOC Constituents	Sample Date	MW-107 UPG	MW-114 UPG	MW-20AR DNG	MW-41 DNG	MW-42 DNG	MW-43 DNG	MW-48 DNG	MW-117 DNG	OP-14 DNG	OP-19 DNG	UD-4 DNG	MW-118 DNG	SedPond1 DNG	SedPond2 DNG
1,1,1,2-Tetrachloroethane, ug/L (CAS NO - 630-20-6)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
1,1,1-Trichloroethane, ug/L (CAS NO - 71-55-6)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
1,1,2,2-Tetrachloroethane, ug/L (CAS NO - 79-34-5)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
1,1,2-Trichloroethane, ug/L (CAS NO - 79-00-5)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
1,1-Dichloroethane, ug/L (CAS NO - 75-34-3)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
1,1-Dichloroethene, ug/L (CAS NO - 75-35-4)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 2	N/A	N/A	N/A
	6/4/2025	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	N/A	N/A
	6/4/2025	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
	9/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 2	N/A	N/A	N/A
	1/13/2026	< 2	< 2	< 2	N/A	< 2	< 2	< 2	< 2	< 2	< 2	N/A	< 2	N/A	N/A
	1/13/2026	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
1,2,3-Trichloropropane, ug/L (CAS NO - 96-18-4)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
1,2-Dibromo-3-Chloropropane, ug/L (CAS NO - 96-12-8)	1/29/2025	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
	6/4/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 5	< 5	< 5	N/A	< 5	< 5	< 5	< 5	< 5	< 5	N/A	< 5	N/A	N/A
	1/13/2026	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
1,2-Dibromoethane [EDB], ug/L (CAS NO - 106-93-4)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
1,2-Dichlorobenzene, ug/L (CAS NO - 95-50-1)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
1,2-Dichloroethane, ug/L (CAS NO - 107-06-2)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
1,2-Dichloropropane, ug/L (CAS NO - 78-87-5)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
1,4-Dichlorobenzene, ug/L (CAS NO - 106-46-7)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
2-Butanone, ug/L (CAS NO - 78-93-3)	1/29/2025	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
	6/4/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 10	< 10	< 10	N/A	< 10	< 10	< 10	< 10	< 10	< 10	N/A	< 10	N/A	N/A
	1/13/2026	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
2-Hexanone, ug/L (CAS NO - 591-78-6)	1/29/2025	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
	6/4/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 10	< 10	< 10	N/A	< 10	< 10	< 10	< 10	< 10	< 10	N/A	< 10	N/A	N/A
	1/13/2026	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
4-Methyl-2-Pentanone, ug/L (CAS NO - 108-10-1)	1/29/2025	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
	6/4/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 10	< 10	< 10	N/A	< 10	< 10	< 10	< 10	< 10	< 10	N/A	< 10	N/A	N/A
	1/13/2026	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
Acetone, ug/L (CAS NO - 67-64-1)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.14*	N/A	N/A	N/A
	6/4/2025	< 10	< 10	< 10	< 10	4.71*	< 10	< 10	**11**	< 10	< 10	< 10	**16.1**	N/A	N/A
	6/4/2025	N/A	N/A	N/A	N/A	6.11*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	9/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	N/A	< 10	N/A	N/A	N/A
	1/13/2026	< 10	< 10	< 10	N/A	< 10	< 10	< 10	< 10	< 10	< 10	N/A	**62.7**	N/A	N/A
	1/13/2026	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
Acrylonitrile, ug/L (CAS NO - 107-13-1)	1/29/2025	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
	6/4/2025	**7.35**	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 5	< 5	< 5	N/A	< 5	< 5	< 5	< 5	< 5	< 5	N/A	< 5	N/A	N/A
	1/13/2026	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

SCS ENGINEERS

Summary of Groundwater Chemistry
Scott Area Landfill - 82-SDP-09-92P

Appendix I VOC Constituents	Sample Date	MW-107 UPG	MW-114 UPG	MW-20AR DNG	MW-41 DNG	MW-42 DNG	MW-43 DNG	MW-48 DNG	MW-117 DNG	OP-14 DNG	OP-19 DNG	UD-4 DNG	MW-118 DNG	SedPond1 DNG	SedPond2 DNG
Benzene, ug/L (CAS NO - 71-43-2)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.5	N/A	N/A	N/A
	6/4/2025	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**1.12**	N/A	N/A
	6/4/2025	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
	9/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.273*	N/A	N/A	N/A
	1/13/2026	< 0.5	< 0.5	< 0.5	N/A	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	N/A	**2.24**	N/A	N/A
	1/13/2026	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
Bromochloromethane, ug/L (CAS NO - 74-97-5)	1/29/2025	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
	6/4/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 5	< 5	< 5	N/A	< 5	< 5	< 5	< 5	< 5	< 5	N/A	< 5	N/A	N/A
	1/13/2026	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
Bromodichloromethane, ug/L (CAS NO - 75-27-4)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
Bromoform, ug/L (CAS NO - 75-25-2)	1/29/2025	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
	6/4/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 5	< 5	< 5	N/A	< 5	< 5	< 5	< 5	< 5	< 5	N/A	< 5	N/A	N/A
	1/13/2026	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
Bromomethane, ug/L (CAS NO - 74-83-9)	1/29/2025	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
	6/4/2025	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 4	< 4	< 4	N/A	< 4	< 4	< 4	< 4	< 4	< 4	N/A	< 4	N/A	N/A
	1/13/2026	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
Carbon Disulfide, ug/L (CAS NO - 75-15-0)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
Carbon Tetrachloride, ug/L (CAS NO - 56-23-5)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 2	N/A	N/A	N/A
	6/4/2025	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	N/A	N/A
	6/4/2025	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
	9/24/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 2	N/A	N/A	N/A
	1/13/2026	< 2	< 2	< 2	N/A	< 2	< 2	< 2	< 2	< 2	< 2	N/A	< 2	N/A	N/A
	1/13/2026	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
Chlorobenzene, ug/L (CAS NO - 108-90-7)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
Chlorodibromomethane, ug/L (CAS NO - 124-48-1)	1/29/2025	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
	6/4/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 5	< 5	< 5	N/A	< 5	< 5	< 5	< 5	< 5	< 5	N/A	< 5	N/A	N/A
	1/13/2026	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
Chloroethane, ug/L (CAS NO - 75-00-3)	1/29/2025	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
	6/4/2025	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 4	< 4	< 4	N/A	< 4	< 4	< 4	< 4	< 4	< 4	N/A	< 4	N/A	N/A
	1/13/2026	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
Chloroform, ug/L (CAS NO - 67-66-3)	1/29/2025	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
	6/4/2025	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 3	< 3	< 3	N/A	< 3	< 3	< 3	< 3	< 3	< 3	N/A	< 3	N/A	N/A
	1/13/2026	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
Chloromethane, ug/L (CAS NO - 74-87-3)	1/29/2025	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
	6/4/2025	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 3	< 3	< 3	N/A	< 3	< 3	< 3	< 3	< 3	< 3	N/A	< 3	N/A	N/A
	1/13/2026	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
cis-1,2-Dichloroethene, ug/L (CAS NO - 156-59-2)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
cis-1,3-Dichloropropene, ug/L (CAS NO - 10061-01-5)	1/29/2025	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
	6/4/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 5	< 5	< 5	N/A	< 5	< 5	< 5	< 5	< 5	< 5	N/A	< 5	N/A	N/A
	1/13/2026	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
Ethylbenzene, ug/L (CAS NO - 100-41-4)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
Iodomethane, ug/L (CAS NO - 74-88-4)	1/29/2025	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
	6/4/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 10	< 10	< 10	N/A	< 10	< 10	< 10	< 10	< 10	< 10	N/A	< 10	N/A	N/A
	1/13/2026	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
Methylene Bromide, ug/L (CAS NO - 74-95-3)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
Methylene Chloride, ug/L (CAS NO - 75-09-2)	1/29/2025	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
	6/4/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 5	< 5	< 5	N/A	< 5	< 5	< 5	< 5	< 5	< 5	N/A	< 5	N/A	N/A
	1/13/2026	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

SCS ENGINEERS

Summary of Groundwater Chemistry
Scott Area Landfill - 82-SDP-09-92P

Appendix I VOC Constituents	Sample Date	MW-107 UPG	MW-114 UPG	MW-20AR DNG	MW-41 DNG	MW-42 DNG	MW-43 DNG	MW-48 DNG	MW-117 DNG	OP-14 DNG	OP-19 DNG	UD-4 DNG	MW-118 DNG	SedPond1 DNG	SedPond2 DNG
Styrene, ug/L (CAS NO - 100-42-5)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
Tetrachloroethene, ug/L (CAS NO - 127-18-4)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
Toluene, ug/L (CAS NO - 108-88-3)	1/29/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17	N/A	N/A	N/A
	3/6/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.647*	N/A	< 1	< 1
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	0.514*	N/A	N/A
	1/13/2026	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
trans-1,2-Dichloroethene, ug/L (CAS NO - 156-60-5)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
trans-1,3-Dichloropropene, ug/L (CAS NO - 10061-02-6)	1/29/2025	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
	6/4/2025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 5	< 5	< 5	N/A	< 5	< 5	< 5	< 5	< 5	< 5	N/A	< 5	N/A	N/A
	1/13/2026	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
trans-1,4-Dichloro-2-Butene, ug/L (CAS NO - 110-57-6)	1/29/2025	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
	6/4/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 10	< 10	< 10	N/A	< 10	< 10	< 10	< 10	< 10	< 10	N/A	< 10	N/A	N/A
	1/13/2026	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
Trichloroethene, ug/L (CAS NO - 79-01-6)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
Trichlorofluoromethane, ug/L (CAS NO - 75-69-4)	1/29/2025	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
	6/4/2025	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 4	< 4	< 4	N/A	< 4	< 4	< 4	< 4	< 4	< 4	N/A	< 4	N/A	N/A
	1/13/2026	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
Vinyl Acetate, ug/L (CAS NO - 108-05-4)	1/29/2025	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
	6/4/2025	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 10	< 10	< 10	N/A	< 10	< 10	< 10	< 10	< 10	< 10	N/A	< 10	N/A	N/A
	1/13/2026	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
Vinyl Chloride, ug/L (CAS NO - 75-01-4)	1/29/2025	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
	6/4/2025	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 1	< 1	< 1	N/A	< 1	< 1	< 1	< 1	< 1	< 1	N/A	< 1	N/A	N/A
	1/13/2026	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
Xylenes, total, ug/L (CAS NO - 1330-20-7)	1/29/2025	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
	6/4/2025	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	N/A	N/A
	6/4/2025	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
	9/24/2025	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
	1/13/2026	< 3	< 3	< 3	N/A	< 3	< 3	< 3	< 3	< 3	< 3	N/A	< 3	N/A	N/A
	1/13/2026	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

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
Scott Area Landfill - 82-SDP-09-92P

Other Constituents	Sample Date	MW-107 UPG	MW-114 UPG	MW-20AR DNG	MW-41 DNG	MW-42 DNG	MW-43 DNG	MW-48 DNG	MW-117 DNG	OP-14 DNG	OP-19 DNG	UD-4 DNG	MW-118 DNG	SedPond1 DNG	SedPond2 DNG
1,1-Dichloropropene, ug/L (CAS NO - 563-58-6)	6/4/2025	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,2,4,5-Tetrachlorobenzene, ug/L (CAS NO - 95-94-3)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,2,4-Trichlorobenzene, ug/L (CAS NO - 120-82-1)	6/4/2025	N/A	N/A	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,3,5-Trinitrobenzene, ug/L (CAS NO - 99-35-4)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,3-Dichlorobenzene, ug/L (CAS NO - 541-73-1)	6/4/2025	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,3-Dichloropropane, ug/L (CAS NO - 142-28-9)	6/4/2025	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,3-Dinitrobenzene, ug/L (CAS NO - 99-65-0)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,4-Naphthoquinone, ug/L (CAS NO - 130-15-4)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,4-Phenylenediamine, ug/L (CAS NO - 106-50-3)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1-Naphthylamine, ug/L (CAS NO - 134-32-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,2-Dichloropropane, ug/L (CAS NO - 594-20-7)	6/4/2025	N/A	N/A	< 4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,3,4,6-Tetrachlorophenol, ug/L (CAS NO - 58-90-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4,5-T [2C], ug/L (CAS NO - 93-76-5)	6/4/2025	N/A	N/A	< 0.151	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4,5-TP [Silvex] [2C], ug/L (CAS NO - 93-72-1)	6/4/2025	N/A	N/A	< 0.0503	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4,5-Trichlorophenol, ug/L (CAS NO - 95-95-4)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4,6-Trichlorophenol, ug/L (CAS NO - 88-06-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4-D [2C], ug/L (CAS NO - 94-75-7)	6/4/2025	N/A	N/A	< 0.604	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dichlorophenol, ug/L (CAS NO - 120-83-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dimethylphenol, ug/L (CAS NO - 105-67-9)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrophenol, ug/L (CAS NO - 51-28-5)	6/4/2025	N/A	N/A	< 20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene, ug/L (CAS NO - 121-14-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,6-Dichlorophenol, ug/L (CAS NO - 87-65-0)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene, ug/L (CAS NO - 606-20-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-Acetylaminofluorene, ug/L (CAS NO - 53-96-3)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-Chloronaphthalene, ug/L (CAS NO - 91-58-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-Chlorophenol, ug/L (CAS NO - 95-57-8)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-Methylnaphthalene, ug/L (CAS NO - 91-57-6)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-Methylphenol, ug/L (CAS NO - 95-48-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-Naphthylamine, ug/L (CAS NO - 91-59-8)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-Nitroaniline, ug/L (CAS NO - 88-74-4)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-Nitrophenol, ug/L (CAS NO - 88-75-5)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3,3-Dichlorobenzidine, ug/L (CAS NO - 91-94-1)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3,3-Dimethylbenzidine, ug/L (CAS NO - 119-93-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3/4-Methylphenol, ug/L (CAS NO - T-34MP)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3-Chloropropene, ug/L (CAS NO - 107-05-1)	6/4/2025	N/A	N/A	< 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3-Methylcholanthrene, ug/L (CAS NO - 56-49-5)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3-Nitroaniline, ug/L (CAS NO - 99-09-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4,4`-DDD, ug/L (CAS NO - 72-54-8)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4,4`-DDE, ug/L (CAS NO - 72-55-9)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4,4`-DDT, ug/L (CAS NO - 50-29-3)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4,6-Dinitro-2-methylphenol, ug/L (CAS NO - 534-52-1)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Aminobiphenyl, ug/L (CAS NO - 92-67-1)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Bromophenyl phenyl ether, ug/L (CAS NO - 101-55-3)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Chloro-3-methylphenol, ug/L (CAS NO - 59-50-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Chloroaniline, ug/L (CAS NO - 106-47-8)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Chlorophenyl phenyl ether, ug/L (CAS NO - 7005-72-3)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Nitroaniline, ug/L (CAS NO - 100-01-6)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Nitrophenol, ug/L (CAS NO - 100-02-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5-Nitro-o-toluidine, ug/L (CAS NO - 99-55-8)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7,12-Dimethylbenz [a] anthracene, ug/L (CAS NO - 57-97-6)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Acenaphthene, ug/L (CAS NO - 83-32-9)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Acenaphthylene, ug/L (CAS NO - 208-96-8)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Acetonitrile, ug/L (CAS NO - 75-05-8)	6/4/2025	N/A	N/A	< 10000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Acetophenone, ug/L (CAS NO - 98-86-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Acrolein, ug/L (CAS NO - 107-02-8)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aldrin, ug/L (CAS NO - 309-00-2)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anthracene, ug/L (CAS NO - 120-12-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo [a] anthracene, ug/L (CAS NO - 56-55-3)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo [a] pyrene, ug/L (CAS NO - 50-32-8)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo [b] fluoranthene, ug/L (CAS NO - 205-99-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo [g,h,i] perylene, ug/L (CAS NO - 191-24-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo [k] fluoranthene, ug/L (CAS NO - 207-08-9)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzyl alcohol, ug/L (CAS NO - 100-51-6)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alpha-BHC, ug/L (CAS NO - 319-84-6)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	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)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Delta-BHC, ug/L (CAS NO - 319-86-8)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gamma-BHC [Lindane], ug/L (CAS NO - 58-89-9)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bis[2-chloroethoxy]methane, ug/L (CAS NO - 111-91-1)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bis[2-chloroethyl]ether, ug/L (CAS NO - 111-44-4)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bis[2-chloroisopropyl]ether, ug/L (CAS NO - 108-60-1)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bis[2-ethylhexyl]phthalate, ug/L (CAS NO - 117-81-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Butyl benzyl phthalate, ug/L (CAS NO - 85-68-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chlordane, ug/L (CAS NO - 57-74-9)	6/4/2025	N/A	N/A	< 1.86	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chlorobenzilate, ug/L (CAS NO - 510-15-6)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chloroprene, ug/L (CAS NO - 126-99-8)	6/4/2025	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chrysene, ug/L (CAS NO - 218-01-9)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cyanide, mg/L (CAS NO - 57-12-5)	6/4/2025	N/A	N/A	< 0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Diallate [cis or trans], ug/L (CAS NO - 2303-16-4)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibenz [a,h] anthracene, ug/L (CAS NO - 53-70-3)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibenzofuran, ug/L (CAS NO - 132-64-9)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dichlorodifluoromethane, ug/L (CAS NO - 75-71-8)	6/4/2025	N/A	N/A	< 3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dieldrin, ug/L (CAS NO - 60-57-1)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Diethyl phthalate, ug/L (CAS NO - 84-66-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dimethoate, ug/L (CAS NO - 60-51-5)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dimethyl phthalate, ug/L (CAS NO - 131-11-3)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dimethylaminoazobenzene, ug/L (CAS NO - 60-11-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Di-n-butyl phthalate, ug/L (CAS NO - 84-74-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Di-n-octyl phthalate, ug/L (CAS NO - 117-84-0)	6/4/2025	N/A	N/A	< 20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dinoseb, ug/L (CAS NO - 88-85-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Diphenylamine, ug/L (CAS NO - 122-39-4)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Disulfoton, ug/L (CAS NO - 298-04-4)	6/4/2025	N/A	N/A	< 10	N/A	N/A	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)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Endosulfan II, ug/L (CAS NO - 33213-65-9)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Endosulfan sulfate, ug/L (CAS NO - 1031-07-8)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	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)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Endrin aldehyde, ug/L (CAS NO - 7421-93-4)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethyl Methacrylate, ug/L (CAS NO - 97-63-2)	6/4/2025	N/A	N/A	< 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethyl Methanesulfonate, ug/L (CAS NO - 62-50-0)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Famphur, ug/L (CAS NO - 52-85-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fluoranthene, ug/L (CAS NO - 206-44-0)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fluorene, ug/L (CAS NO - 86-73-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Heptachlor, ug/L (CAS NO - 76-44-8)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Heptachlor Epoxide, ug/L (CAS NO - 1024-57-3)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hexachlorobenzene, ug/L (CAS NO - 118-74-1)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hexachlorobutadiene, ug/L (CAS NO - 87-68-3)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hexachlorocyclopentadiene, ug/L (CAS NO - 77-47-4)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hexachloroethane, ug/L (CAS NO - 67-72-1)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hexachloropropene, ug/L (CAS NO - 1888-71-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

SCS ENGINEERS

Summary of Groundwater Chemistry
Scott Area Landfill - 82-SDP-09-92P

Other Constituents	Sample Date	MW-107 UPG	MW-114 UPG	MW-20AR DNG	MW-41 DNG	MW-42 DNG	MW-43 DNG	MW-48 DNG	MW-117 DNG	OP-14 DNG	OP-19 DNG	UD-4 DNG	MW-118 DNG	SedPond1 DNG	SedPond2 DNG
Indeno [1,2,3-cd] pyrene, ug/L (CAS NO - 193-39-5)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Isobutanol, mg/L (CAS NO - 78-83-1)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Isodrin, ug/L (CAS NO - 465-73-6)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Isophorone, ug/L (CAS NO - 78-59-1)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Isosafrole, ug/L (CAS NO - 120-58-1)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Kepone, ug/L (CAS NO - 143-50-0)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Methacrylonitrile, ug/L (CAS NO - 126-98-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Methapyrilene, ug/L (CAS NO - 91-80-5)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Methoxychlor, ug/L (CAS NO - 72-43-5)	6/4/2025	N/A	N/A	< 0.0928	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Methyl Methacrylate, ug/L (CAS NO - 80-62-6)	6/4/2025	N/A	N/A	< 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Methyl Methanesulfonate, ug/L (CAS NO - 66-27-3)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Naphthalene, ug/L (CAS NO - 91-20-3)	6/4/2025	N/A	N/A	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrobenzene, ug/L (CAS NO - 98-95-3)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosodiethylamine, ug/L (CAS NO - 55-18-5)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosodimethylamine, ug/L (CAS NO - 62-75-9)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosodi-n-butylamine, ug/L (CAS NO - 924-16-3)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosodi-n-propylamine, ug/L (CAS NO - 621-64-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosodiphenylamine, ug/L (CAS NO - 86-30-6)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosomethylethylamine, ug/L (CAS NO - 10595-95-6)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosopiperidine, ug/L (CAS NO - 100-75-4)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosopyrrolidine, ug/L (CAS NO - 930-55-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
O,O,O-Triethyl Phosphorothioate, ug/L (CAS NO - 126-68-1)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
O-Toluidine, ug/L (CAS NO - 95-53-4)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Parathion-Ethyl, ug/L (CAS NO - 56-38-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Parathion-Methyl, ug/L (CAS NO - 298-00-0)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB-1016, ug/L (CAS NO - 12674-11-2)	6/4/2025	N/A	N/A	< 1.86	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB-1221, ug/L (CAS NO - 11104-28-2)	6/4/2025	N/A	N/A	< 1.86	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB-1232, ug/L (CAS NO - 11141-16-5)	6/4/2025	N/A	N/A	< 1.86	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB-1242, ug/L (CAS NO - 53469-21-9)	6/4/2025	N/A	N/A	< 1.86	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB-1248, ug/L (CAS NO - 12672-29-6)	6/4/2025	N/A	N/A	< 1.86	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB-1254, ug/L (CAS NO - 11097-69-1)	6/4/2025	N/A	N/A	< 1.86	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB-1260, ug/L (CAS NO - 11096-82-5)	6/4/2025	N/A	N/A	< 1.86	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pentachlorobenzene, ug/L (CAS NO - 608-93-5)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pentachloronitrobenzene, ug/L (CAS NO - 82-68-8)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pentachlorophenol [2C], ug/L (CAS NO - 87-86-5)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phenacetin, ug/L (CAS NO - 62-44-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phenanthrene, ug/L (CAS NO - 85-01-8)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phenol, ug/L (CAS NO - 108-95-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phorate, ug/L (CAS NO - 298-02-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pronamide, ug/L (CAS NO - 23950-58-5)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Propionitrile, ug/L (CAS NO - 107-12-0)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pyrene, ug/L (CAS NO - 129-00-0)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Safrole, ug/L (CAS NO - 94-59-7)	6/4/2025	N/A	N/A	< 10	N/A	N/A	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)	6/4/2025	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	N/A	N/A	< 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Thionazin, ug/L (CAS NO - 297-97-2)	6/4/2025	N/A	N/A	< 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Toxaphene, ug/L (CAS NO - 8001-35-2)	6/4/2025	N/A	N/A	< 1.86	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alkalinity, Total [CaCO3], mg/L (CAS NO - TALK)	6/4/2025	**398**	**394**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	**373**	**376**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ammonia as N, mg/L (CAS NO - 7664-41-7)	6/4/2025	**0.55**	< 0.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	**0.77**	< 0.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bicarbonate, mg/L (CAS NO - BICARB)	6/4/2025	**398**	**394**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	**373**	**376**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calcium, mg/L (CAS NO - 7440-70-2)	6/4/2025	**78.4**	**87.7**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	**72.3**	**94.6**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Carbonate, mg/L (CAS NO - CARB)	6/4/2025	< 5	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	< 5	< 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chloride, mg/L (CAS NO - 16887-00-6)	6/4/2025	0.756*	**55.1**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	0.861*	**18.9**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Iron, Total, mg/L (CAS NO - 7439-89-6)	6/4/2025	**0.426**	< 0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	**0.684**	0.113*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Magnesium, mg/L (CAS NO - 7439-95-4)	6/4/2025	**31.3**	**47.3**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	**29.2**	**42.7**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Manganese, mg/L (CAS NO - 7439-96-5)	6/4/2025	**0.29**	< 0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	**0.265**	**0.0187**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrate (NO3), mg/L (CAS NO - 14797-55-8)	6/4/2025	< 0.1	0.0819*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	< 0.2	**1.78**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potassium, mg/L (CAS NO - 7440-09-7)	6/4/2025	**2.88**	0.414*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	**3.24**	< 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sodium, mg/L (CAS NO - 7440-23-5)	6/4/2025	**27**	**10.5**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	**26.4**	**8.22**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sulfate, mg/L (CAS NO - 14808-79-8)	6/4/2025	0.644*	**23.1**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	0.561*	**38.4**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Organic Carbon, mg/L (CAS NO - TOC)	6/4/2025	**2.7**	**2.94**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1/13/2026	**3.13**	**1.35**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	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 D
Statistical Method and Output

Statistical Method and Output

Purpose

The purpose of this document is to provide the statistical evaluation of groundwater analytical data collected from the groundwater monitoring network of the Scott Area Landfill municipal solid waste landfill unit (SAL MSWLF unit).

Diagnostic and Exploratory Evaluations and Tests of Assumptions

The detection and assessment monitoring statistical programs include diagnostic and exploratory evaluations and statistical tests of assumptions, as appropriate, including the following:

- Time Series Plots
- Shapiro-Wilk test for normality
- Ohio Environmental Protection Agency (EPA) Method for outliers
- Mann-Kendall/Sen's Slope trend test

Management of Non-Detect Data

Non-detect values in the dataset are managed using simple substitution or the Kaplan-Meier estimator. If less than 15% of the data are non-detects, simple substitution is used, where non-detect values are assigned a concentration of one-half (½) of the practical quantification limit (PQL). If greater than 15% but less than 50% of the data are non-detects, the Kaplan-Meier estimator is used to define the distribution for the dataset. If non-detects comprise greater than 50% of the available data, non-parametric statistical methods are used.

Management of Outliers

Background datasets are evaluated for outliers using the Ohio EPA Method as included in the Sanitas™ statistical software program and described below, which includes the use of Dixon's, Rosner's, and Tukey's outlier tests, as appropriate based on the diagnostic tests, for the datasets that contain less than 75% of the measured concentrations below the PQL. Outliers are not confirmed unless a physical cause or explanation for the outlier is determined.

Management of Data (ND data < 75%)

If less than 75% of the background dataset is below the PQL, outliers are statistically evaluated using the following guidelines.

- A parametric dataset with $n < 20$ was evaluated with the Dixon's outlier test.
- A parametric dataset with $n \geq 20$ was evaluated with the Rosner's outlier test.
- A non-parametric dataset was evaluated with the Tukey's outlier test.

In accordance with the Ohio EPA Method, if a statistically significant outlier is not found using the above tests, but the highest value data point exceeds the second highest data point by an order of magnitude, the highest point is considered an outlier.

Management of Data (ND data ≥ 75%)

If greater than or equal to 75% of the background dataset is less than the PQL, outliers are statistically evaluated using the following guidelines.

- Single detection ≥ the PQL:
  - If ≥ 50% of the background dataset has detections ≥ the method detection limit (MDL), any value ≥ two times the PQL of background is considered an outlier.
  - If < 50% of the background dataset has detections ≥ the MDL, any value ≥ the PQL of background is considered an outlier.
- Two or more detections ≥ the PQL:
  - If ≥ 50% of the background dataset has detections ≥ the MDL, any value ≥ three times the PQL of background is considered an outlier.
  - If < 50% of the background dataset has detections ≥ the MDL, any value ≥ two times the PQL of background is considered an outlier.

Confirmed outliers, if any, are shown in the Summary of Groundwater Chemistry included in the Annual Water Quality Report. Analytical data prior to 2025 is included in the 2024 Annual Water Quality Report dated February 27, 2025 (Doc #112390).

Detection Monitoring Statistical Program

The detection monitoring statistical program for the SAL MSWLF unit is defined by Iowa Administrative Code (IAC) 567-113.10(4)"g." Intrawell prediction limits with retesting were selected as the appropriate statistical method for the determination of statistically significant increases (SSIs) over background for inorganic constituents with historical detections in the background dataset. Prediction limits are established using the process below. Data from the most recent sampling event is compared to the prediction limits for the determination of SSIs.

Intrawell Prediction Limits with Retesting

- If the dataset has a normal distribution (or can be transformed to a normal distribution using Ladder of Powers), parametric intrawell prediction limits are calculated if at least six datasets have been collected.
- If the dataset does not have a normal distribution (and cannot be transformed to a normal distribution using Ladder of Powers) or has greater than 50% non-detects, nonparametric intrawell prediction limits are calculated if at least six datasets have been collected.
- If an SSI above the prediction limit is indicated, retesting samples using the 1-of-3 retesting scheme should be collected prior to the next regularly scheduled sampling event with temporal sample spacing consideration to provide samples with greater independence. If the retesting results are both above the prediction limit, the SSI is confirmed, and the monitoring well will be placed into the assessment monitoring program. If any retesting sample concentration is below the prediction limit, the SSI is not confirmed, and the monitoring point continues in the detection monitoring program.

Updating the Background Dataset for Intrawell Prediction Limits

If no SSI is confirmed for any two-year period, the intrawell background dataset will be updated using the following procedure:

- Test for normality (normal distribution) of the dataset either outright or through a transformation using Ladder of Powers:
  - Shapiro-Wilk test
- Test for statistically significant trends:
  - Mann-Kendall/Sen's Slope trend test

If an increasing trend is detected, the monitoring point will be placed into the assessment monitoring program.

- If the dataset has a normal distribution and no trend is present, conduct a two-sample Welch's t-test at a 0.01 significance level to compare current background to the most recent two years of detection monitoring data.

If Welch's t-test test is significant and shows that the most recent two years of concentration data appear to be increasing, the background will not be updated.

- If the dataset does not a have normal distribution and no trend is present, conduct a two-sample non-parametric Wilcoxon rank-sum test (also known as the Mann-Whitney test) at a 0.01 significance level to compare current background to the most recent two years of detection monitoring data.

If the Wilcoxon rank-sum test is significant and shows that the most recent two years of concentration data appear to be increasing, the background will not be updated.

- If the Welch's t-test and the Wilcoxon rank-sum test are not significant, the most recent two years of detection monitoring data will be added to the intrawell background dataset.
- Establish prediction limits based on the updated intrawell background dataset.

The process will repeat every two years in which an SSI is not confirmed.

Double Quantification Method

The quasi-statistical "double quantification" method is used for constituents not detected in the associated background data set. If a constituent is detected in the compliance dataset that has not been historically detected in the background dataset, that constituent must be retested before the next regularly scheduled sampling event. If the retesting results confirm the original detection with a quantifiable detection, the SSI is confirmed, and the monitoring point will be placed into the assessment monitoring program.

Assessment Monitoring Statistical Program

Confidence intervals or confidence bands, as appropriate, were selected as the appropriate statistical methods for comparison of the groundwater analytical data against a fixed groundwater protection standard (GWPS). The assessment monitoring statistical evaluations are performed using the most recent eight samples or all samples if less than eight samples were available. The confidence intervals or confidence bands used for the assessment monitoring statistical evaluation are established using the process below. Transformation of the distribution is not considered.

Confidence Intervals or Confidence Bands

- A parametric confidence interval around a normal mean is calculated if the dataset has a normal distribution and no statistically significant trend is present.
- A non-parametric confidence interval around a median is calculated if the dataset does not have a normal distribution and no statistically significant trend is present.
- Non-parametric confidence bands around a Theil-Sen trend line are calculated if the dataset has a statistically significant trend.

In the event that the lower confidence limit or any part of the lower confidence band, as appropriate, exceeds the GWPS, then the monitoring point is declared out of compliance, and an assessment of corrective measures (ACM) is required.

Statistical Software Output

Sanitas™ statistical software was used to perform the statistical evaluations. The statistical output for the 1st and 2nd 2025 statistical evaluations are included in Attachments A and B of this appendix, respectively.

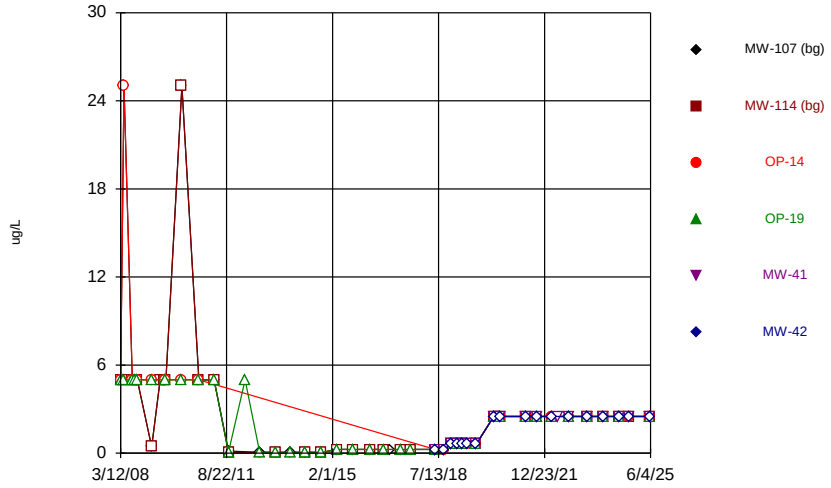
Attachment A

1st 2025 Statistical Evaluation Output

Time Series Plots

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

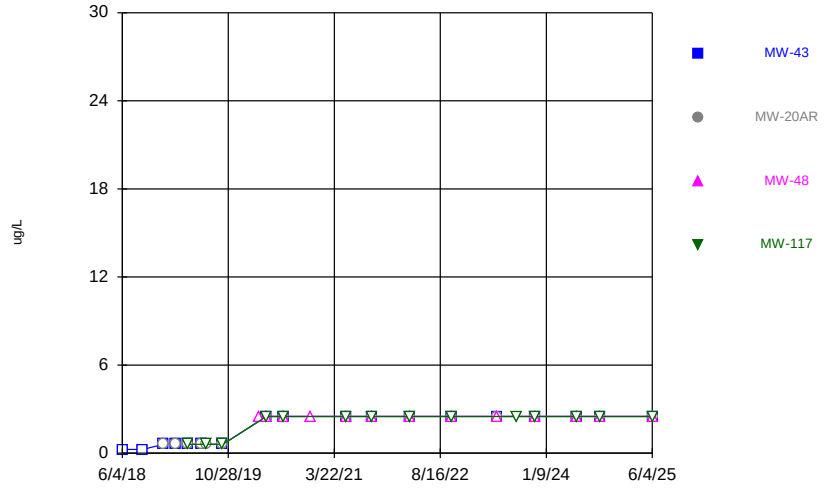
Time Series



Constituent: 1,2-Dibromo-3-chloropropane Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

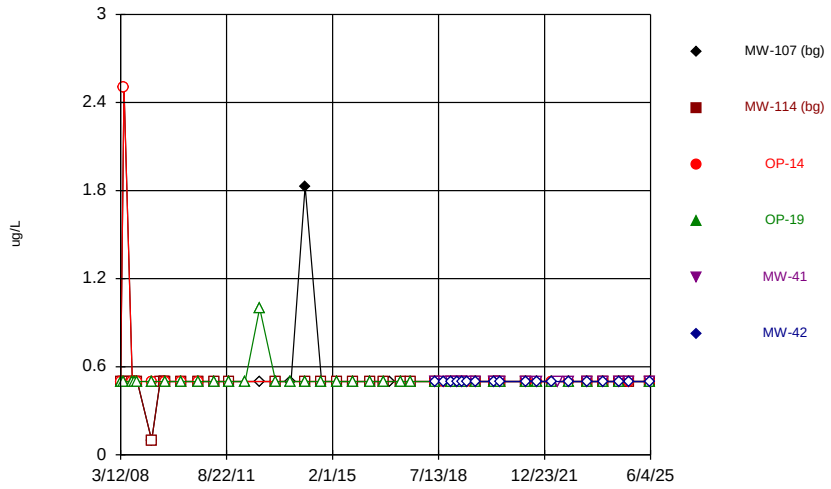
Time Series



Constituent: 1,2-Dibromo-3-chloropropane Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

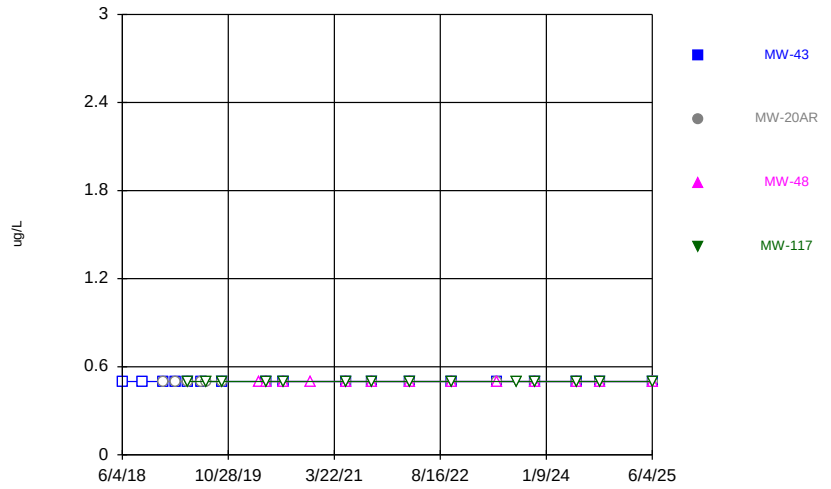
Time Series



Constituent: 1,2-Dichloroethane Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

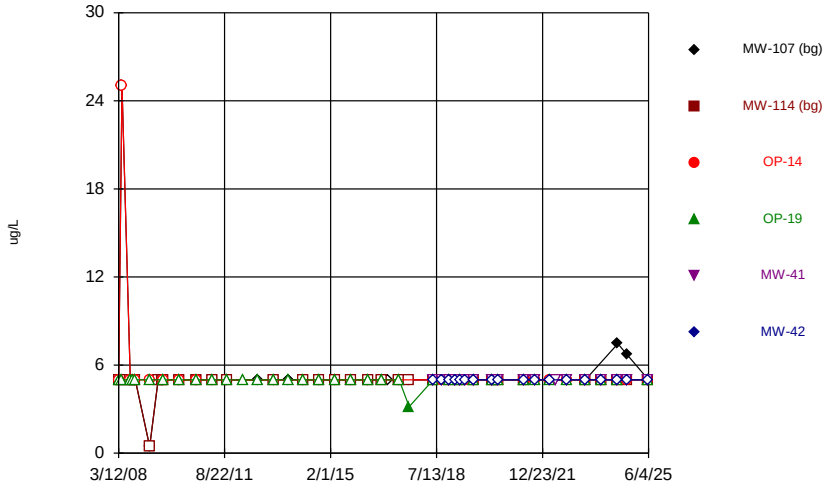
Time Series



Constituent: 1,2-Dichloroethane Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

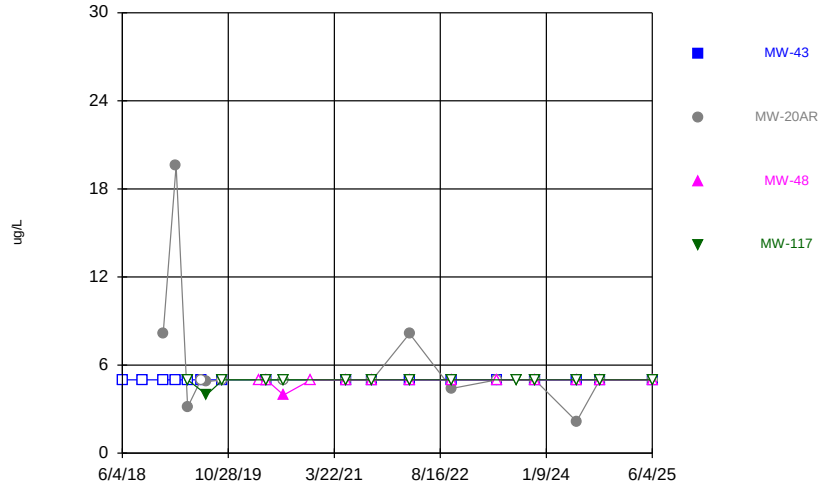
Time Series



Constituent: 2-Butanone Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

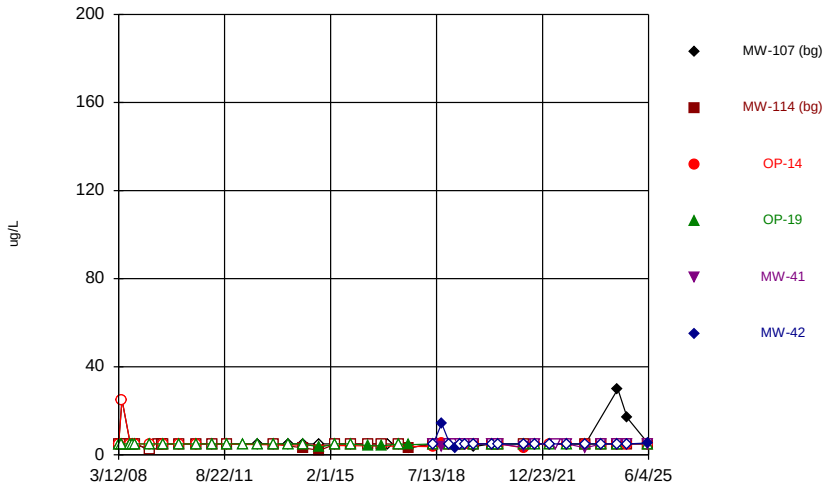
Time Series



Constituent: 2-Butanone Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

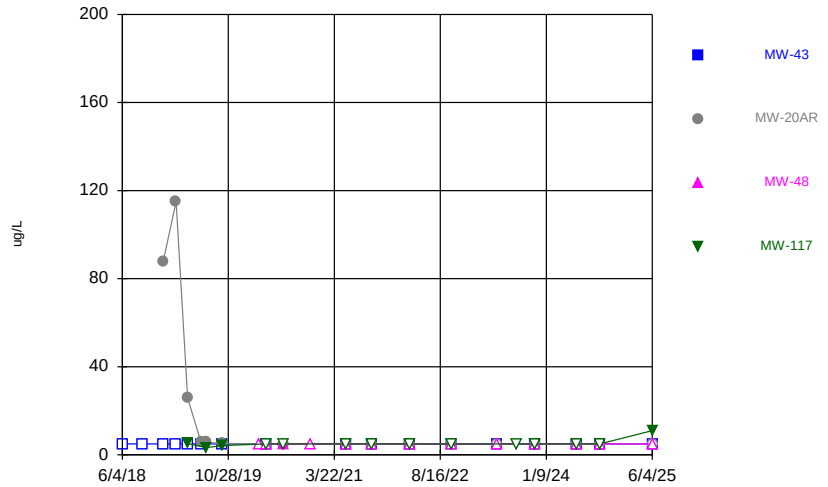
Time Series



Constituent: Acetone Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

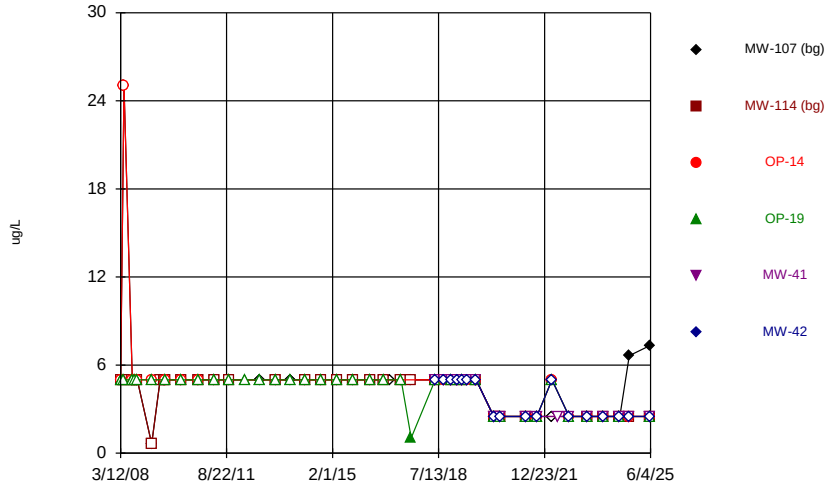
Time Series



Constituent: Acetone Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

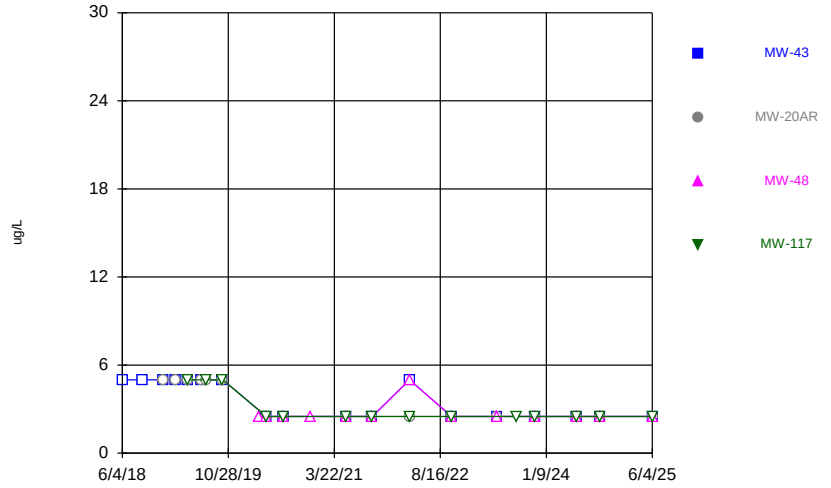
Time Series



Constituent: Acrylonitrile Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

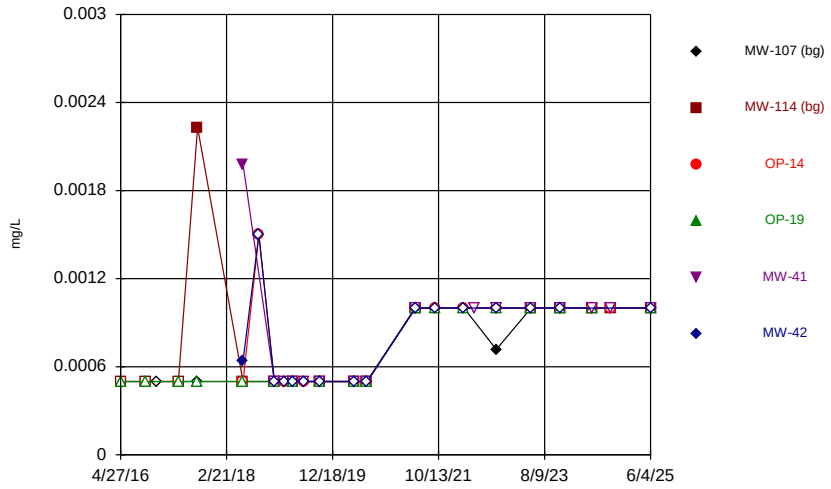
Time Series



Constituent: Acrylonitrile Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

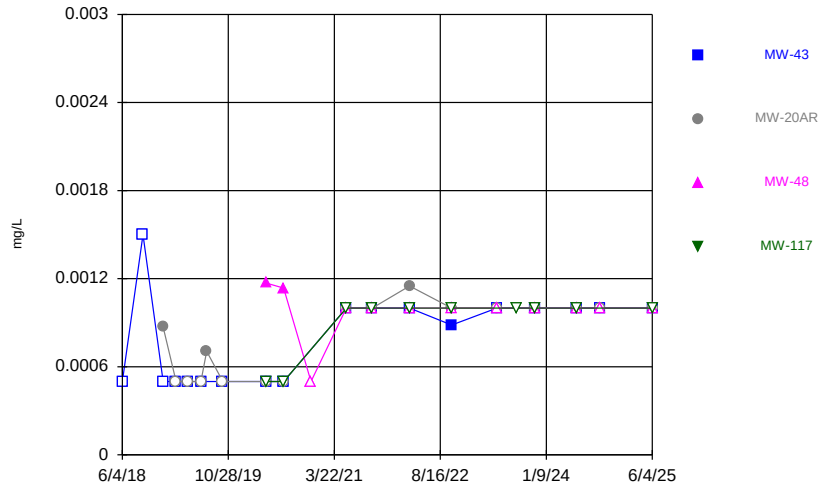
Time Series



Constituent: Antimony Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

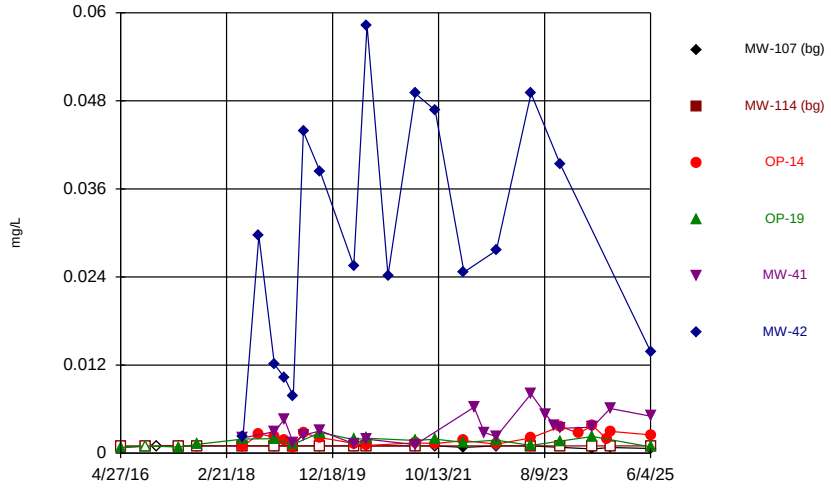
Time Series



Constituent: Antimony Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

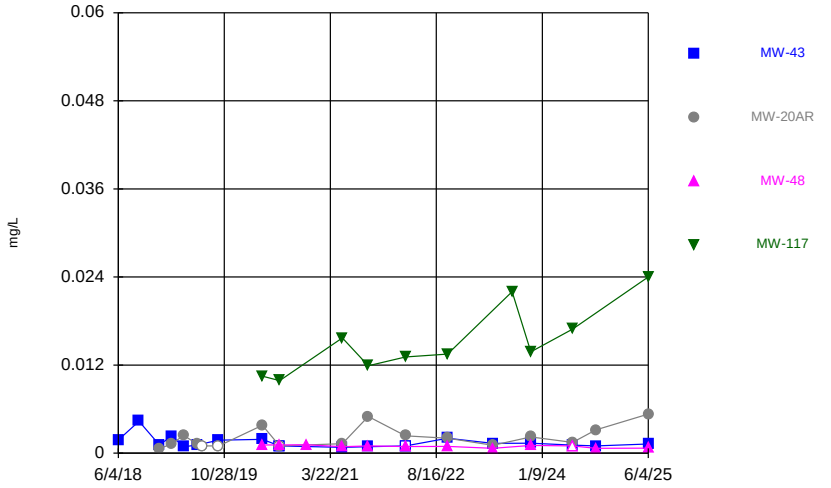
Time Series



Constituent: Arsenic Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

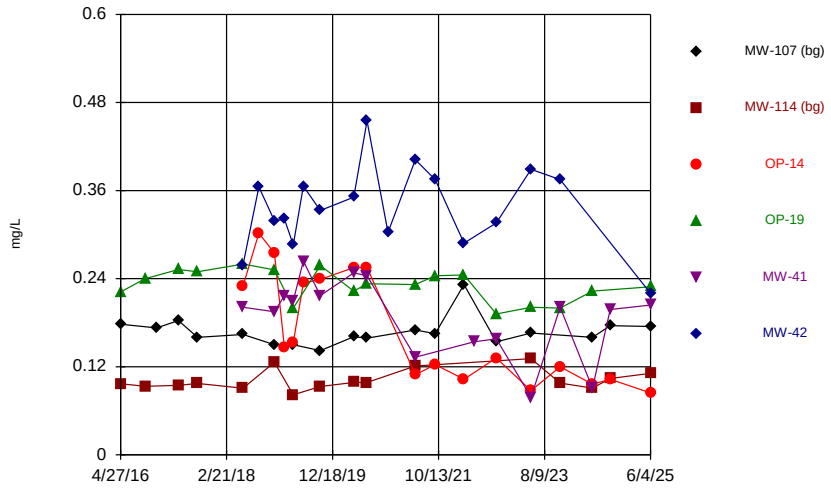
Time Series



Constituent: Arsenic Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

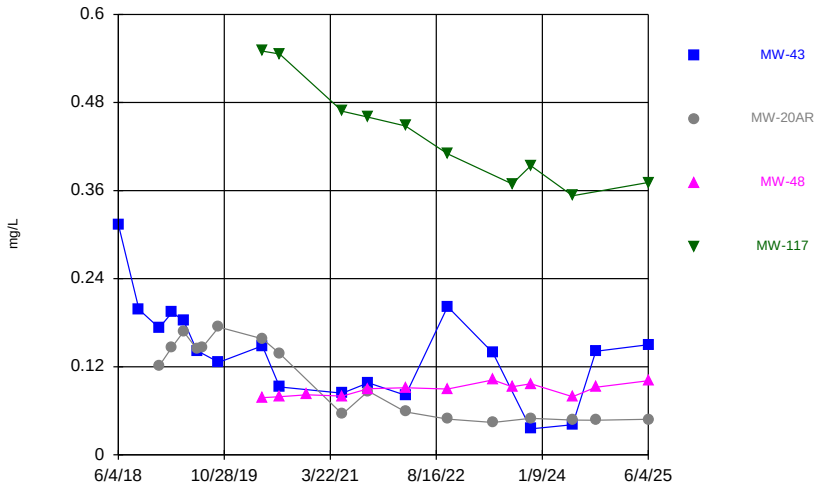
Time Series



Constituent: Barium Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

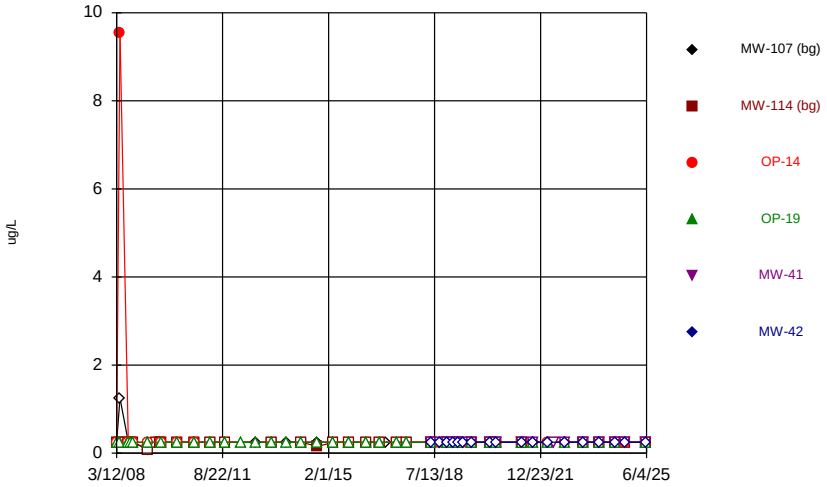
Time Series



Constituent: Barium Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

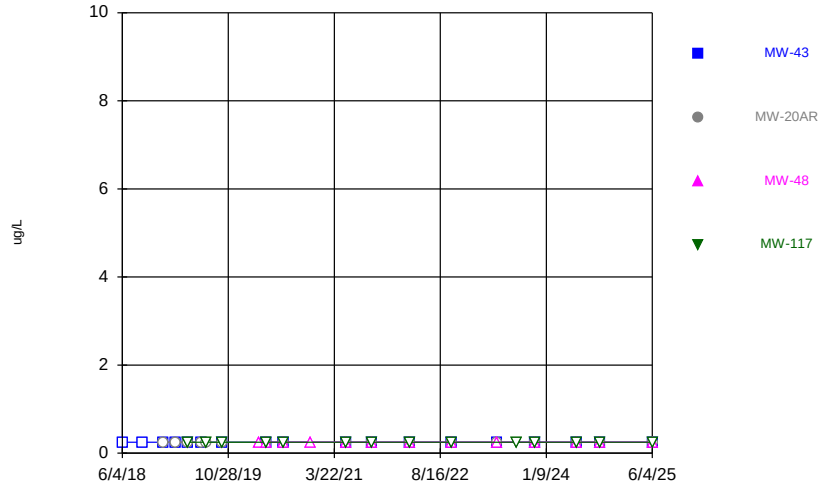
Time Series



Constituent: Benzene Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

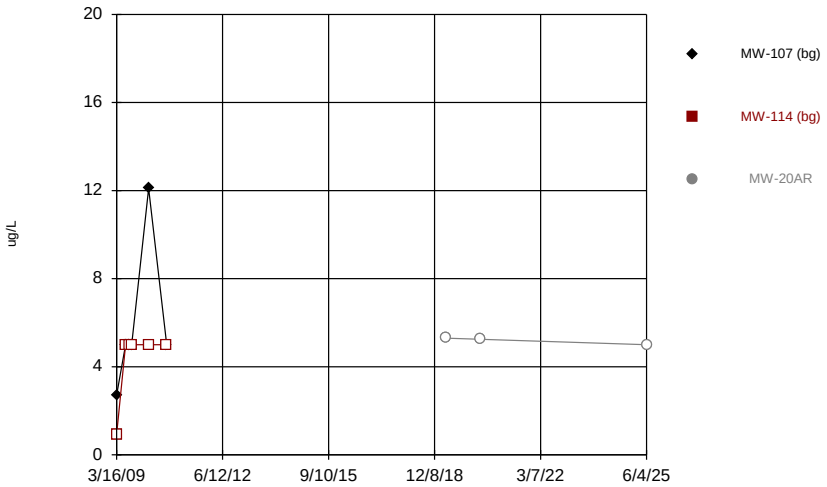
Time Series



Constituent: Benzene Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

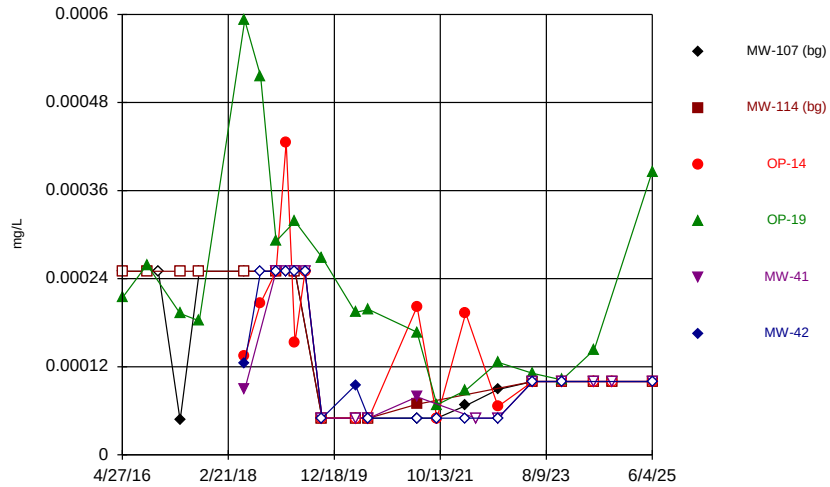
Time Series



Constituent: Bis[2-ethylhexyl]phthalate Analysis Run 8/8/2025 4:23 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

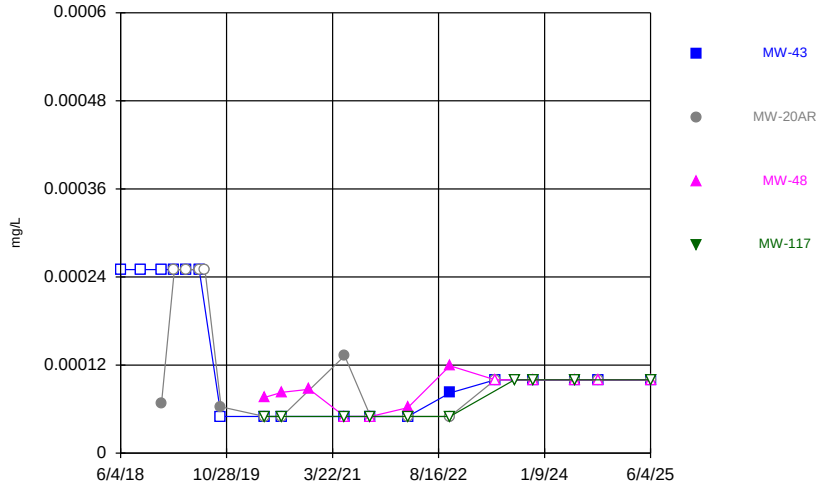
Time Series



Constituent: Cadmium Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

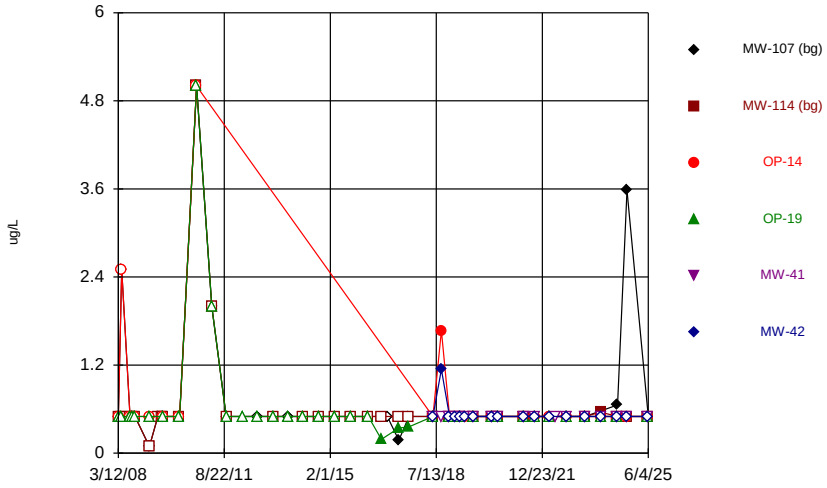
Time Series



Constituent: Cadmium Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

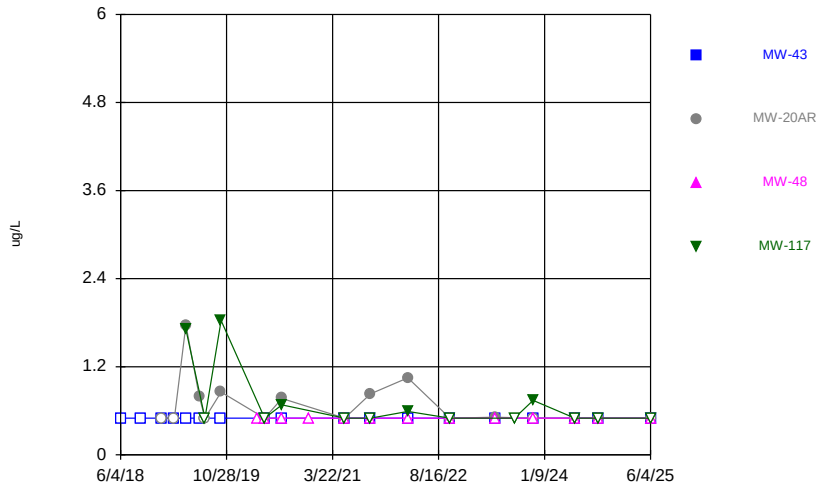
Time Series



Constituent: Carbon disulfide Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

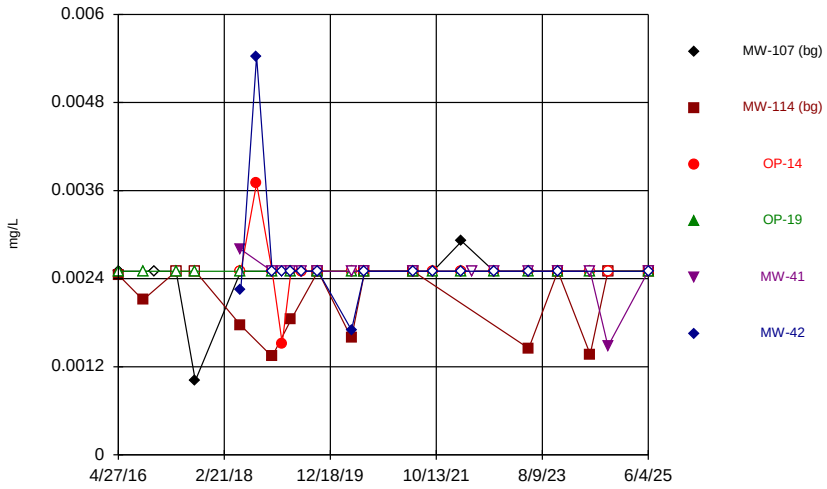
Time Series



Constituent: Carbon disulfide Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

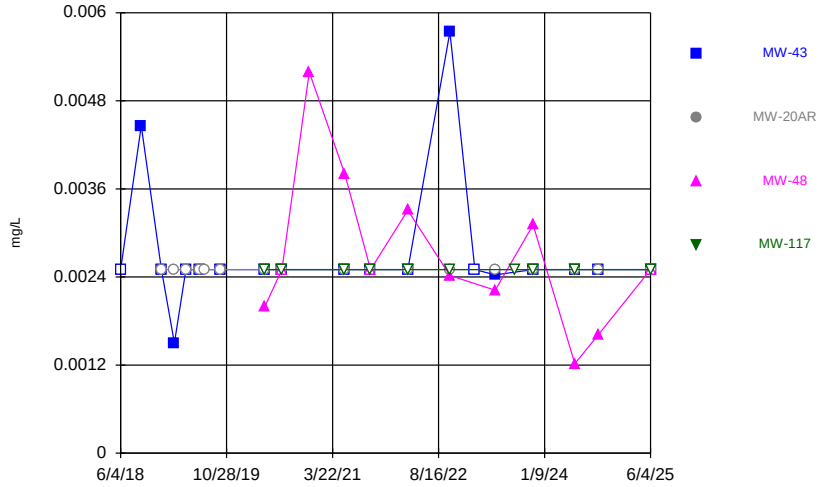
Time Series



Constituent: Chromium Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

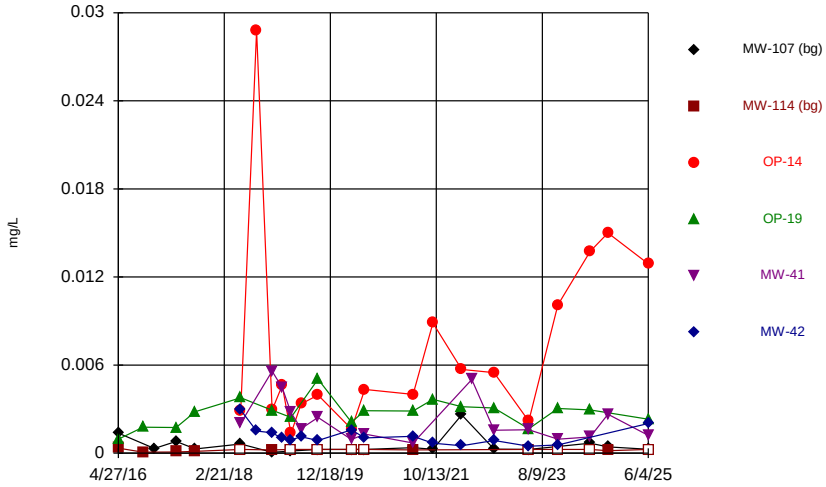
Time Series



Constituent: Chromium Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

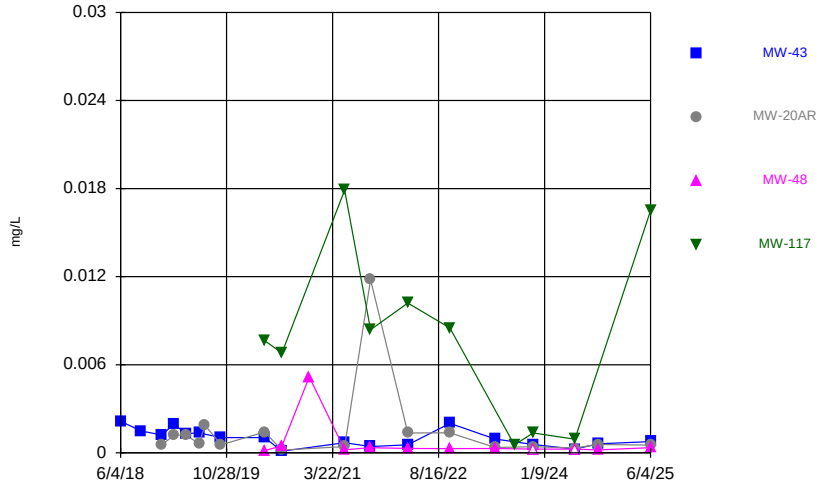
Time Series



Constituent: Cobalt Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

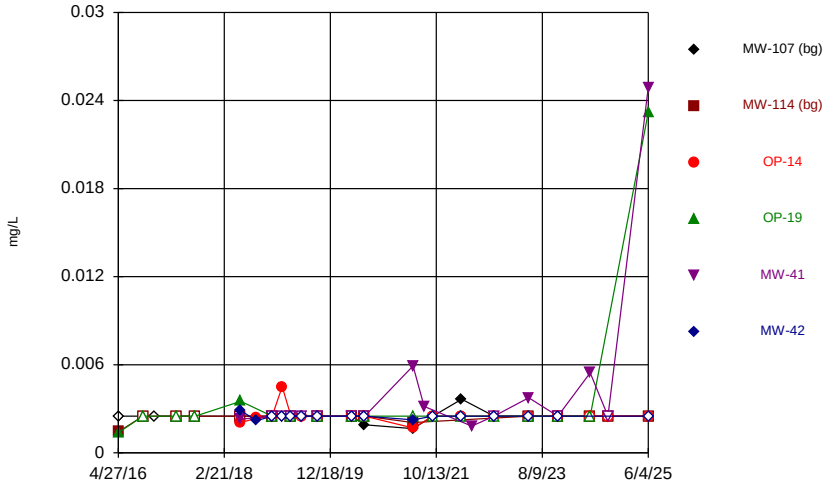
Time Series



Constituent: Cobalt Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

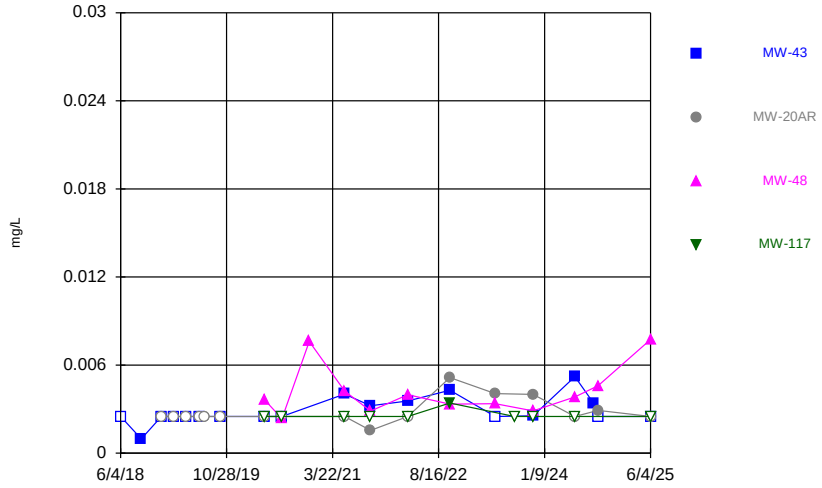
Time Series



Constituent: Copper Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

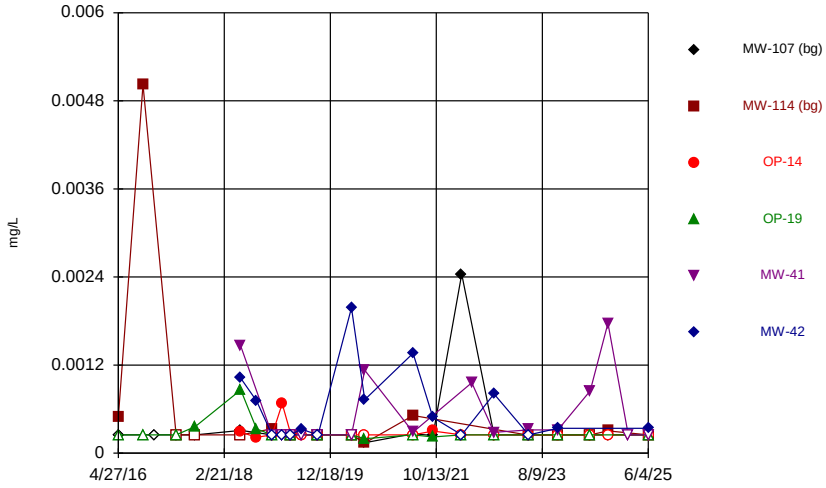
Time Series



Constituent: Copper Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

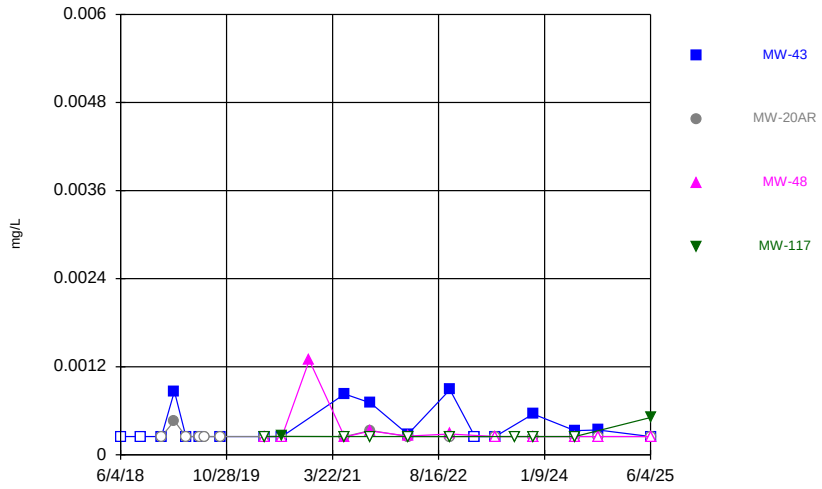
Time Series



Constituent: Lead Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

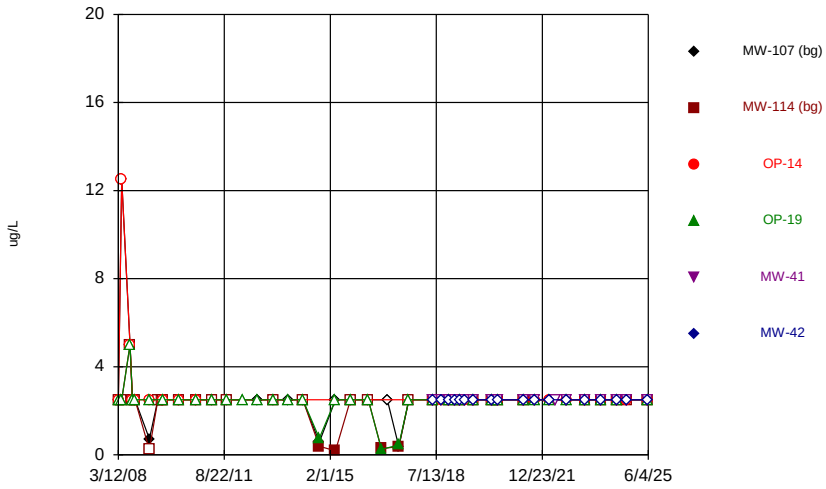
Time Series



Constituent: Lead Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

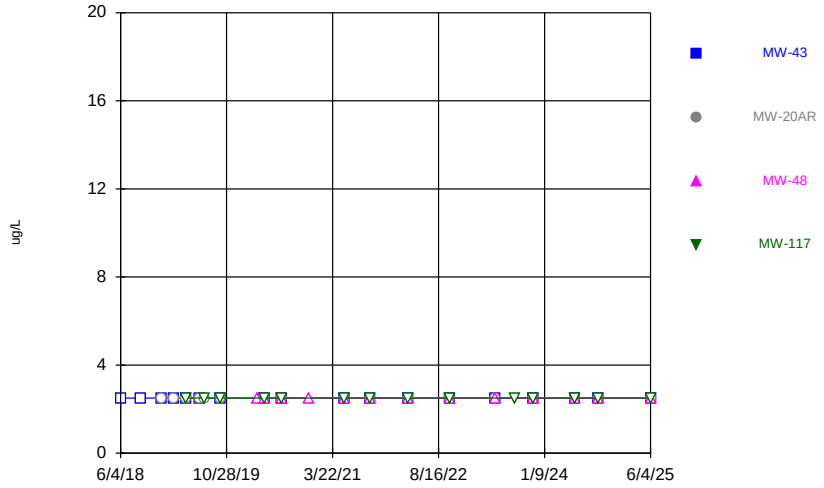
Time Series



Constituent: Methylene Chloride Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

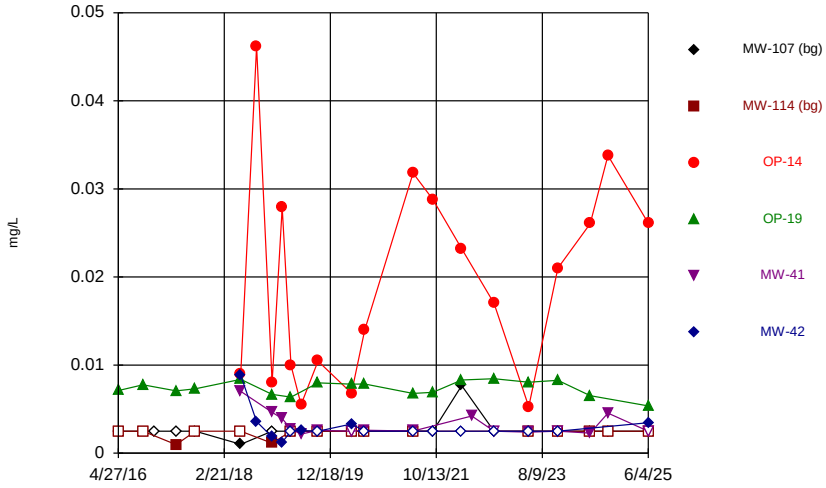
Time Series



Constituent: Methylene Chloride Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

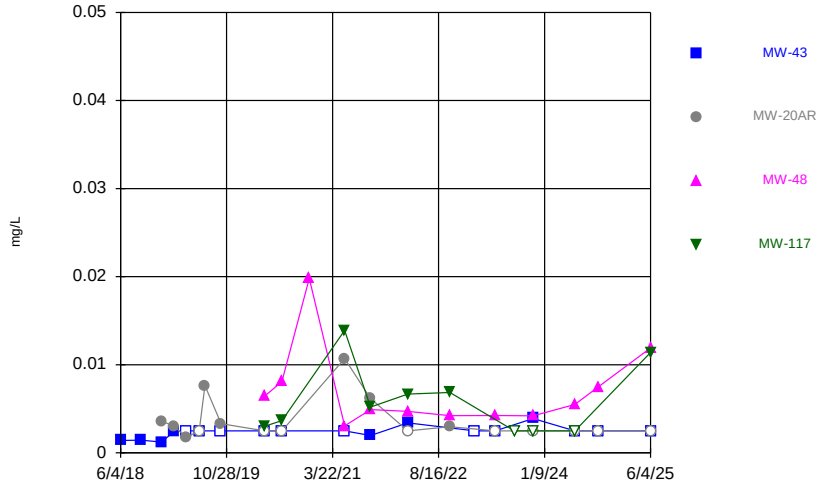
Time Series



Constituent: Nickel Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

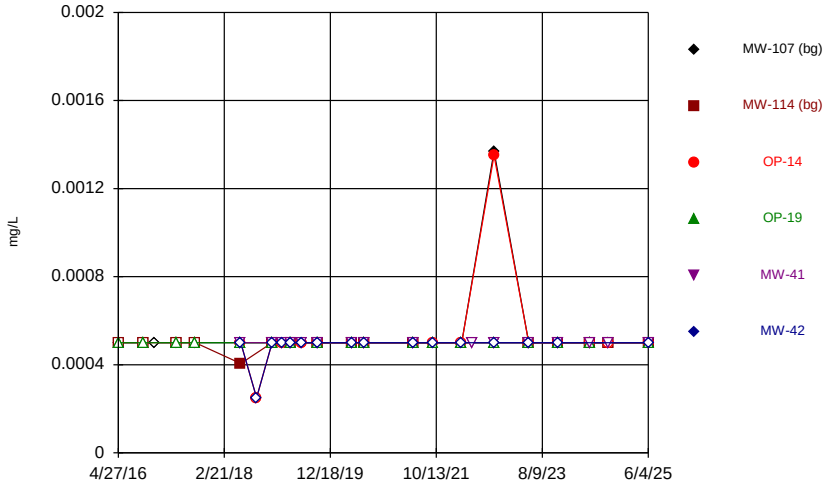
Time Series



Constituent: Nickel Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

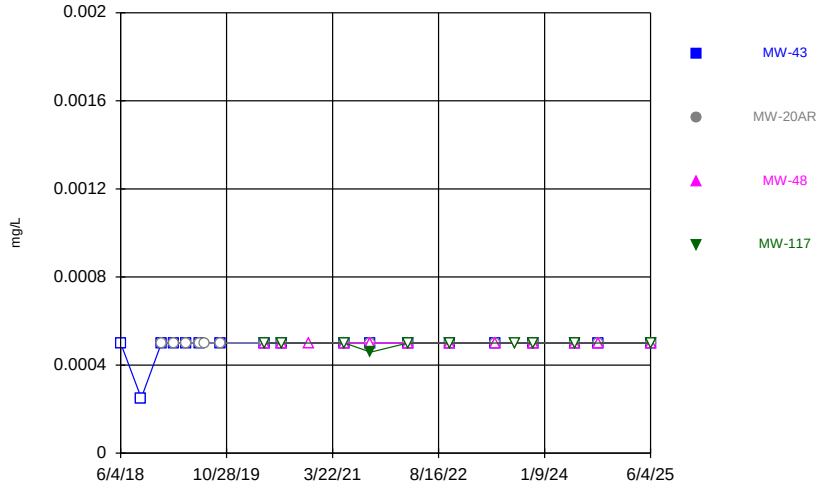
Time Series



Constituent: Silver Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

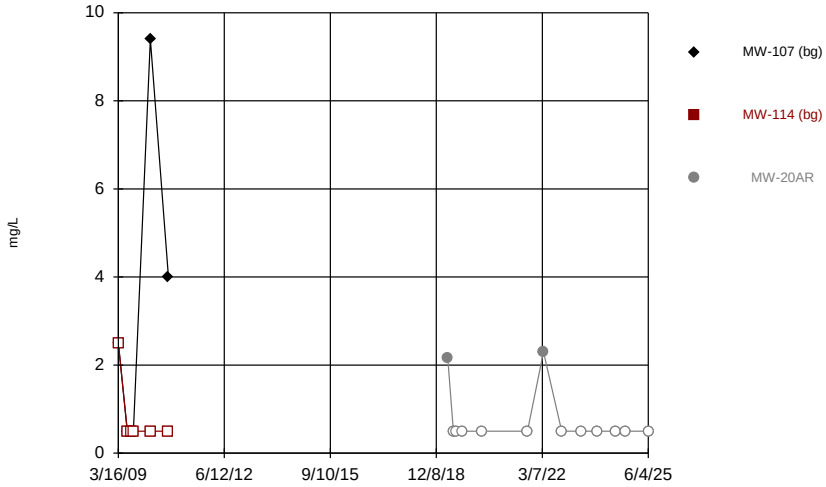
Time Series



Constituent: Silver Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

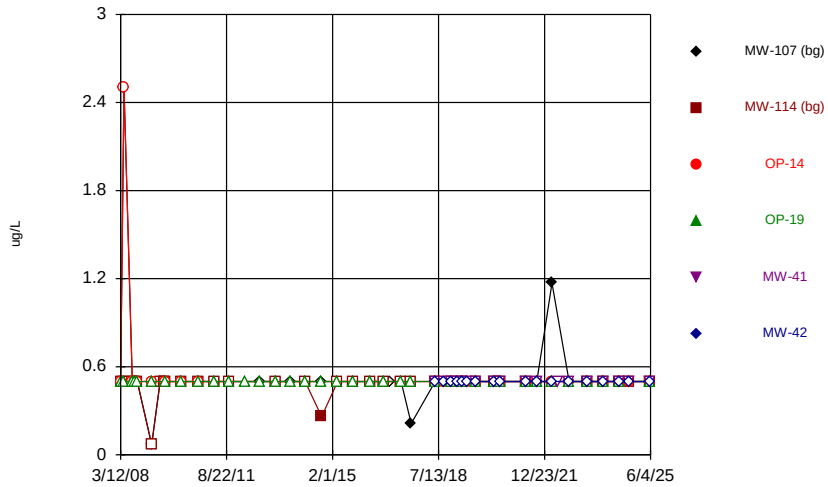
Time Series



Constituent: Sulfide Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

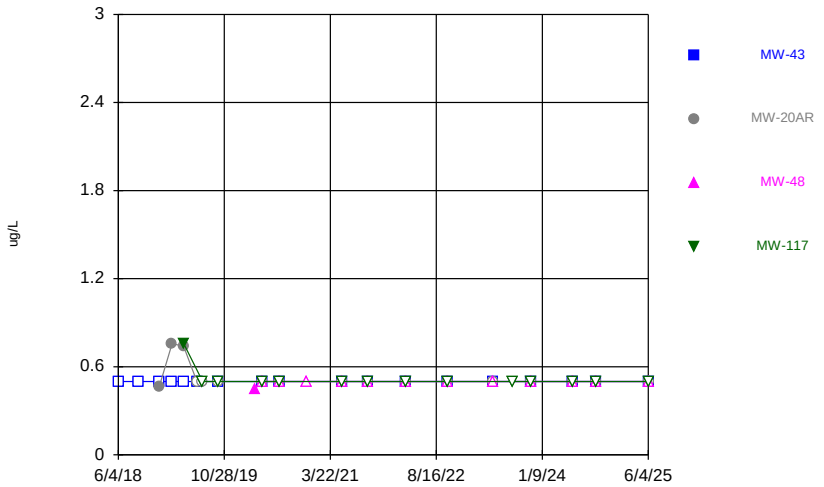
Time Series



Constituent: Toluene Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

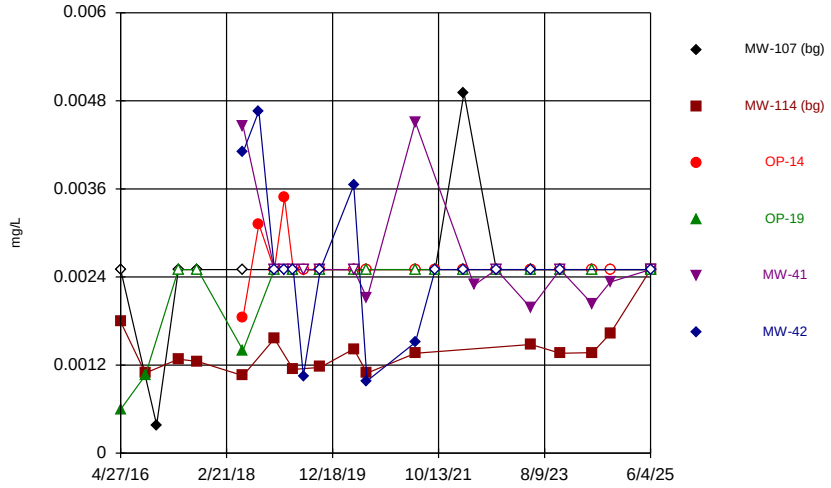
Time Series



Constituent: Toluene Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

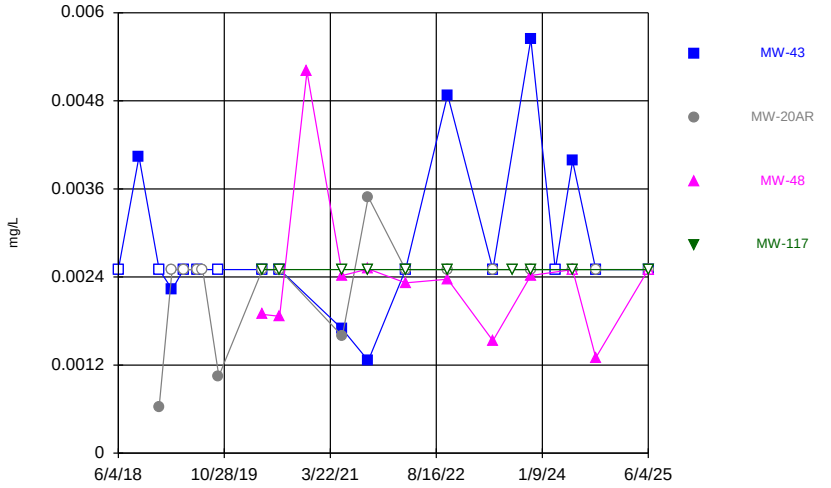
Time Series



Constituent: Vanadium Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

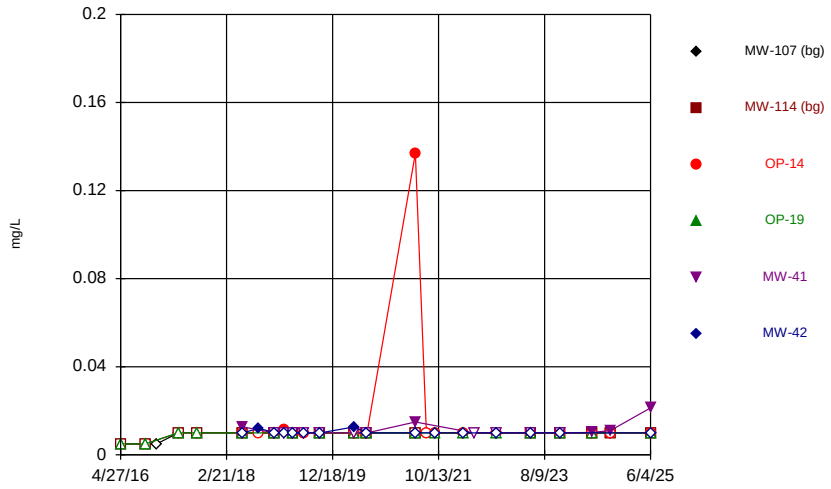
Time Series



Constituent: Vanadium Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

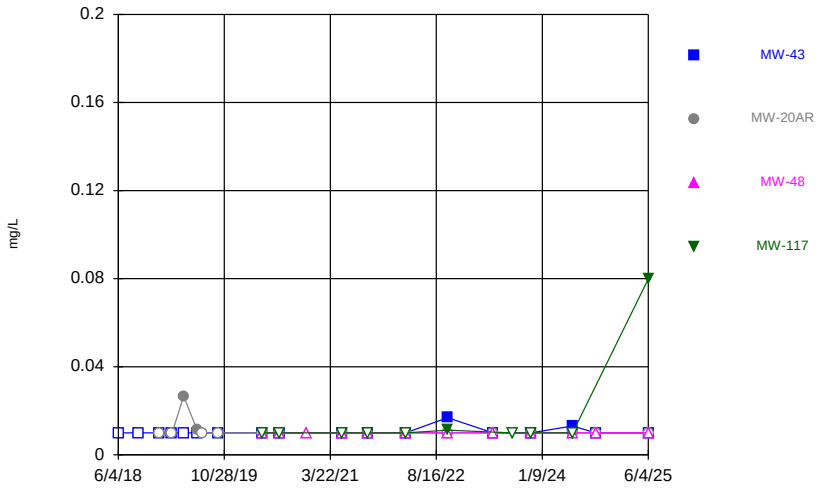
Time Series



Constituent: Zinc Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Zinc Analysis Run 8/8/2025 4:24 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Outlier Tests Summary Table and Graphs

BG Outlier Analysis

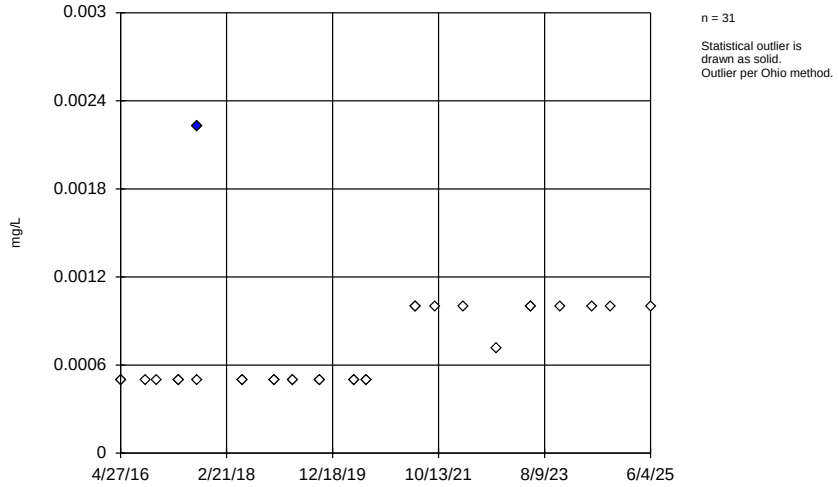
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 8/8/2025, 5:17 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	**MW-114,MW-107BG**	**Yes**	**0.00223**	**n/a w/combined bg**	**OH**	**NaN**	**31**	**0.0007241**	**0.0003644**	**n/a**	**n/a**
Arsenic (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	OH	NaN	31	0.0009867	0.00005145	n/a	n/a
Barium (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	EPA/OH	0.05	31	0.1333	0.0375	normal	ShapiroWilk
Cadmium (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	OH	NaN	31	0.0001459	0.0000917	n/a	n/a
Chromium (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	NP (nrm)/OH	NaN	31	0.002269	0.0004624	unknown	ShapiroWilk
Cobalt (mg/L)	**MW-114,MW-107BG**	**Yes**	**0.00137,0.000805,0.00063,0.00261**	**n/a w/combined bg**	**NP (nrm)/OH**	**NaN**	**31**	**0.0003749**	**0.0004814**	**unknown**	**ShapiroWilk**
Copper (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	OH	NaN	31	0.002442	0.0003489	n/a	n/a
Lead (mg/L)	**MW-114,MW-107BG**	**Yes**	**0.000493,0.00502,0.000333,0.000138,0.000513,0.000**	**n/a w/combined bg**	**NP (nrm)/OH**	**NaN**	**31**	**0.0004902**	**0.0009296**	**unknown**	**ShapiroWilk**
Nickel (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	OH	NaN	31	0.002525	0.001051	n/a	n/a
Selenium (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	OH	NaN	31	0.002275	0.000535	n/a	n/a
Silver (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	OH	NaN	31	0.000525	0.0001577	n/a	n/a
Thallium (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	OH	NaN	31	0.0004976	0.00001329	n/a	n/a
Vanadium (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	NP (nrm)/OH	NaN	31	0.001946	0.0008514	unknown	ShapiroWilk

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 31

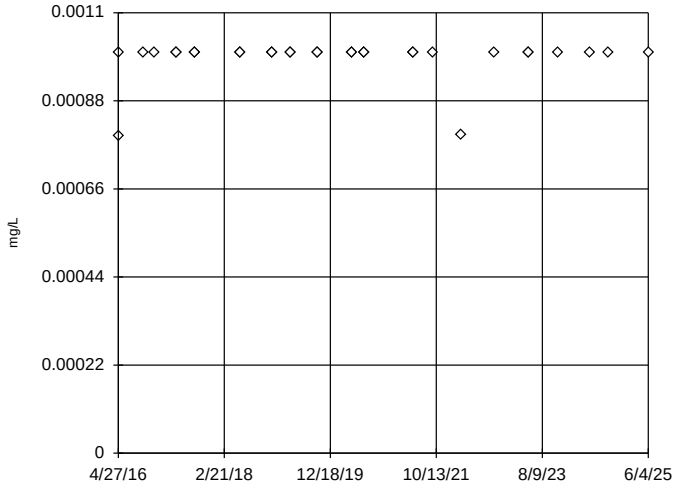
Statistical outlier is drawn as solid.
Outlier per Ohio method.

Constituent: Antimony Analysis Run 8/8/2025 5:05 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 31

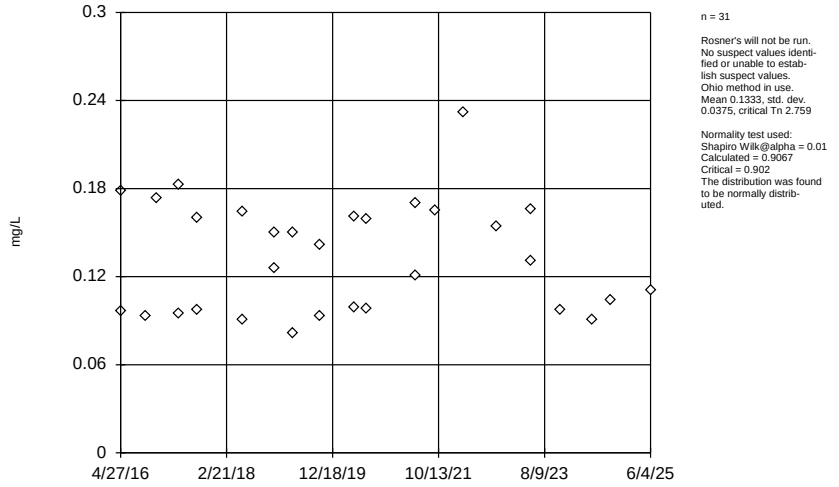
No statistical outliers.

Constituent: Arsenic Analysis Run 8/8/2025 5:05 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Rosner's Test)

MW-114,MW-107BG



n = 31

Rosner's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.1333, std. dev. 0.0375, critical Tn 2.759

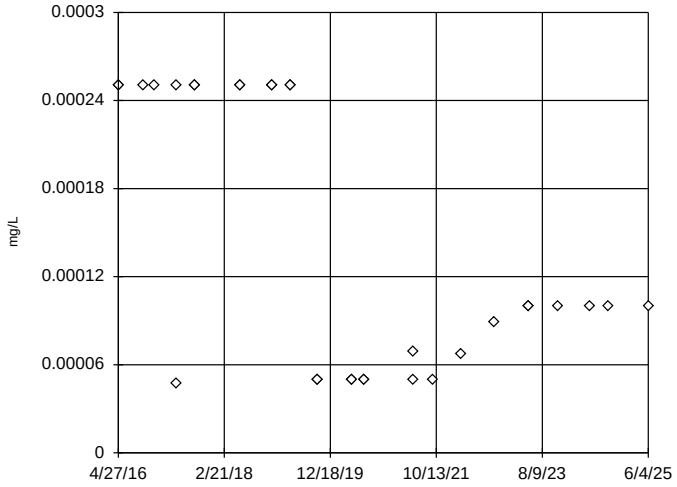
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9067
Critical = 0.902
The distribution was found to be normally distributed.

Constituent: Barium Analysis Run 8/8/2025 5:05 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 31

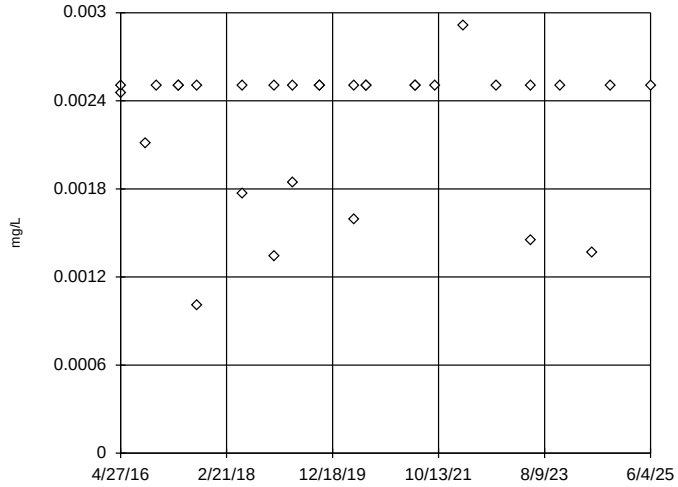
No statistical outliers.

Constituent: Cadmium Analysis Run 8/8/2025 5:05 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 31

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

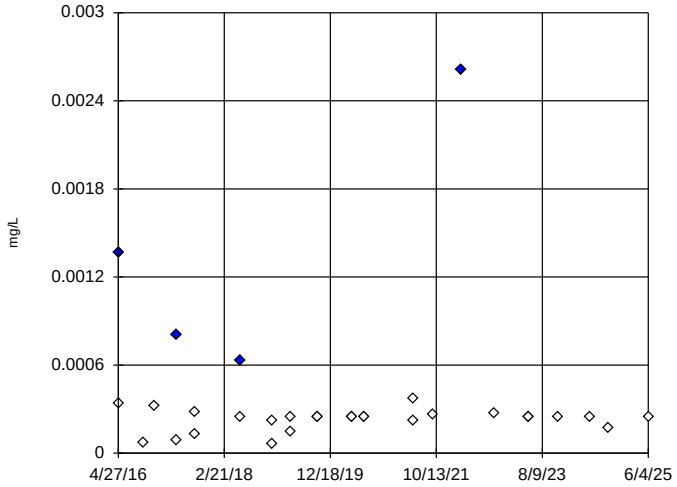
High cutoff = 0.00367, low cutoff = 0.00094, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 8/8/2025 5:05 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 31

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

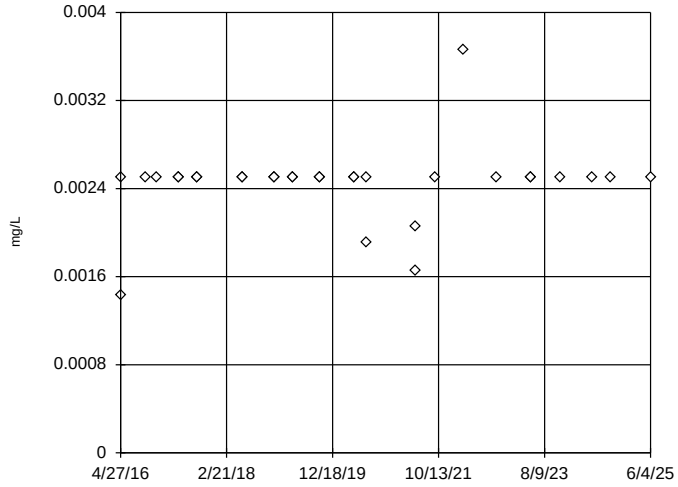
High cutoff = 0.000472, low cutoff = 0.000031, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 8/8/2025 5:05 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 31

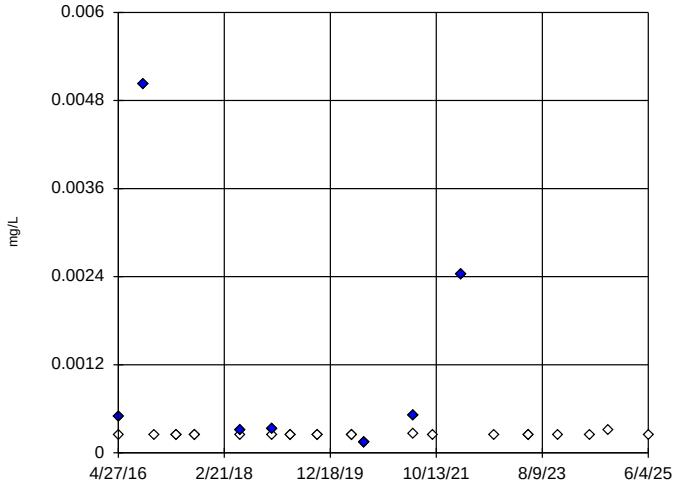
No statistical outliers.

Constituent: Copper Analysis Run 8/8/2025 5:05 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 31

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

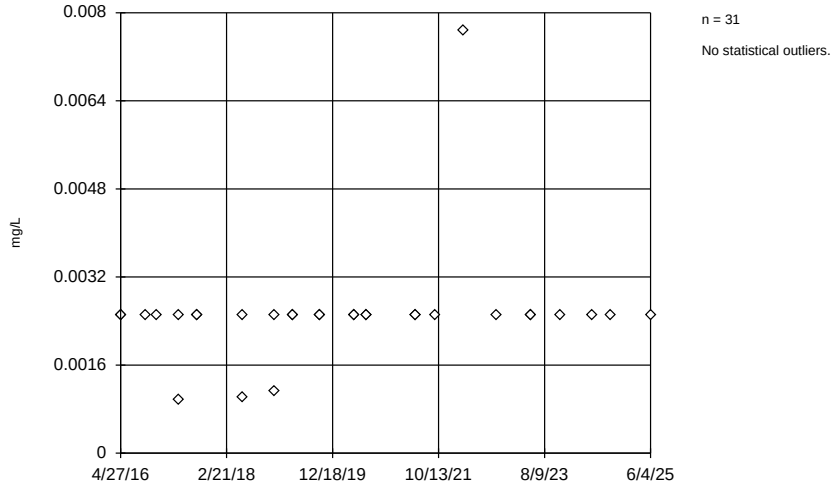
High cutoff = 0.00031, low cutoff = 0.000205, based on IQR multiplier of 3.

Constituent: Lead Analysis Run 8/8/2025 5:05 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 31

No statistical outliers.

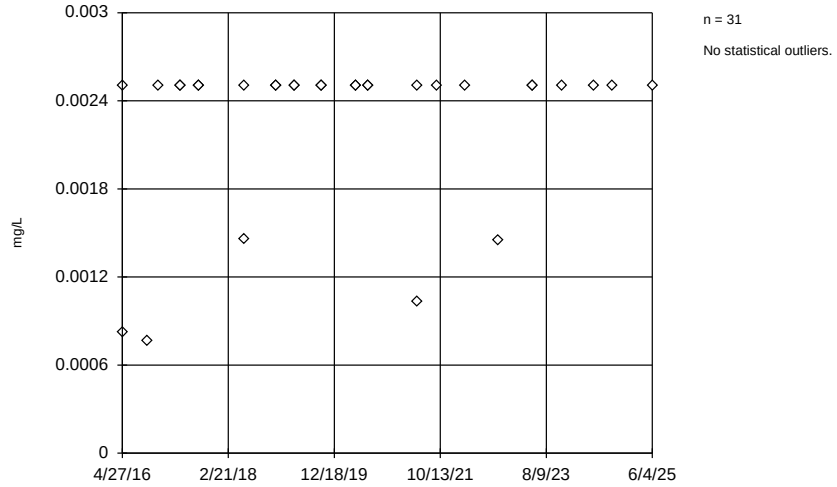
Constituent: Nickel Analysis Run 8/8/2025 5:05 PM View: 2025_SSN-BG_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 31

No statistical outliers.

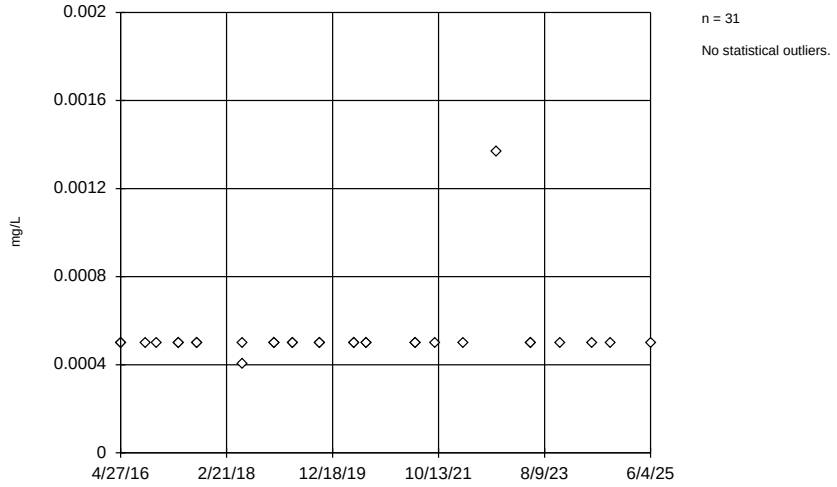
Constituent: Selenium Analysis Run 8/8/2025 5:05 PM View: 2025_SSN-BG_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 31

No statistical outliers.

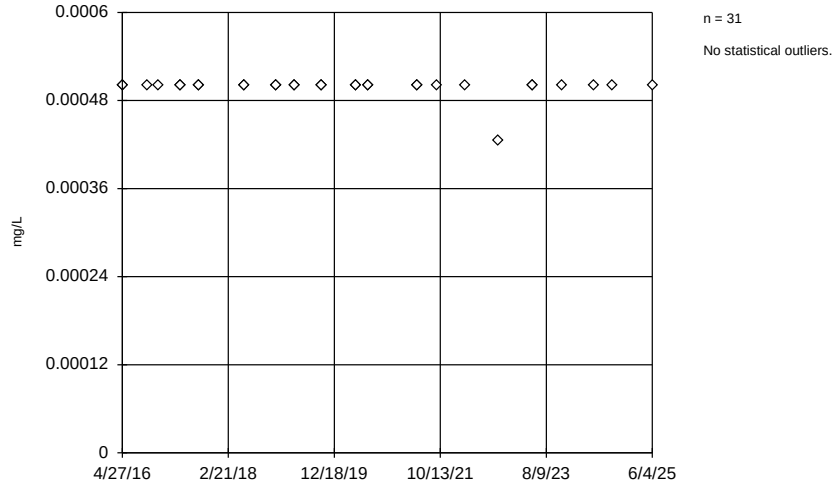
Constituent: Silver Analysis Run 8/8/2025 5:05 PM View: 2025_SSN-BG_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 31

No statistical outliers.

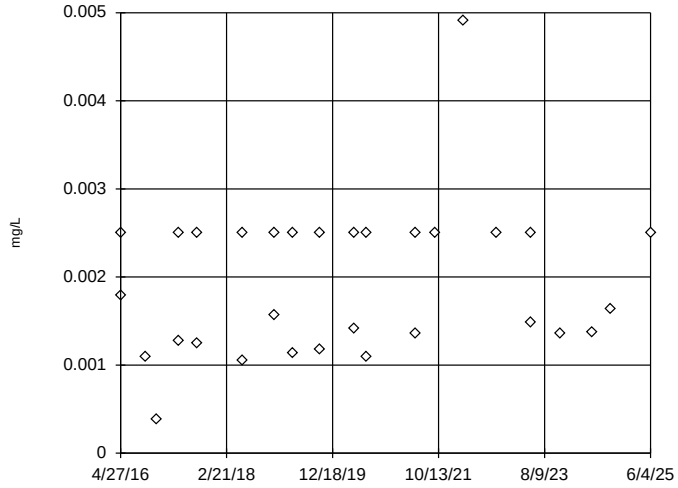
Constituent: Thallium Analysis Run 8/8/2025 5:05 PM View: 2025_SSN-BG_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 31

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

High cutoff = 0.00616, low cutoff = -0.00238, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 8/8/2025 5:05 PM View: 2025_SSN-BG_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

MW-41 BG Outlier Analysis

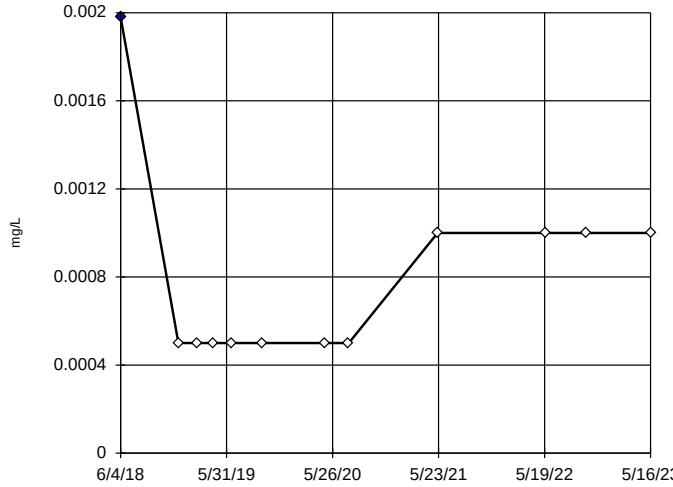
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 8/12/2025, 5:50 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	**MW-41**	**Yes**	**0.00198**	**6/4/2018**	**OH**	**NaN**	**12**	**0.00079**	**0.0004453**	**n/a**	**n/a**
Arsenic (mg/L)	MW-41	No	n/a	n/a	EPA/OH	0.05	15	0.003289	0.001988	normal	ShapiroWilk
Barium (mg/L)	MW-41	No	n/a	n/a	Dixon/OH	0.01	12	0.1933	0.05361	normal	ShapiroWilk
Cadmium (mg/L)	MW-41	No	n/a	n/a	OH	NaN	12	0.0001265	0.00009275	n/a	n/a
Chromium (mg/L)	MW-41	No	n/a	n/a	OH	NaN	12	0.002525	0.0000866	n/a	n/a
Cobalt (mg/L)	MW-41	No	n/a	n/a	EPA/OH	0.05	12	0.002503	0.001638	normal	ShapiroWilk
Copper (mg/L)	**MW-41**	**Yes**	**0.00592**	**5/20/2021**	**NP (nrm)/OH**	**NaN**	**13**	**0.002842**	**0.001028**	**unknown**	**ShapiroWilk**
Lead (mg/L)	MW-41	No	n/a	n/a	NP (nrm)/OH	NaN	12	0.0004949	0.0004296	unknown	ShapiroWilk
Nickel (mg/L)	MW-41	No	n/a	n/a	Dixon/OH	0.01	12	0.003314	0.00142	ln(x)	ShapiroWilk
Vanadium (mg/L)	**MW-41**	**Yes**	**0.00446,0.00451,0.001975**	**6/4/2018,5/20/2021,5/16/2023**	**NP (nrm)/OH**	**NaN**	**12**	**0.002737**	**0.0008355**	**unknown**	**ShapiroWilk**
Zinc (mg/L)	MW-41	No	n/a	n/a	OH	NaN	12	0.01063	0.001552	n/a	n/a

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-41



n = 12

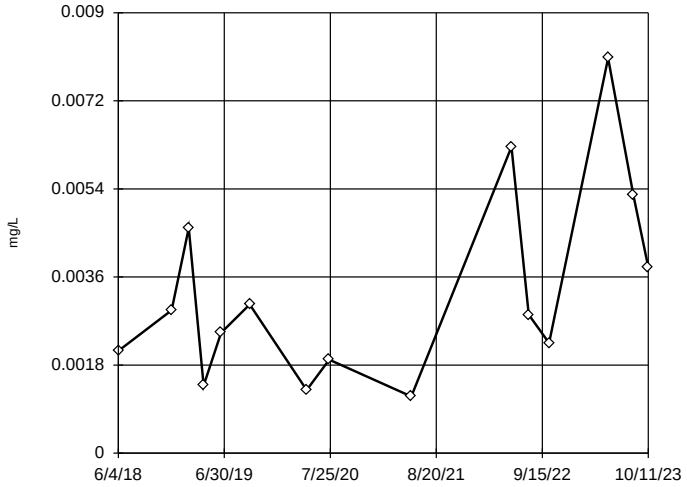
Statistical outlier is drawn as solid.
Outlier per Ohio method.

Constituent: Antimony Analysis Run 8/12/2025 5:48 PM View: 2025_SSN-MW-41_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-41



n = 15

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.003289, std. dev. 0.001988, critical Tn 2.409

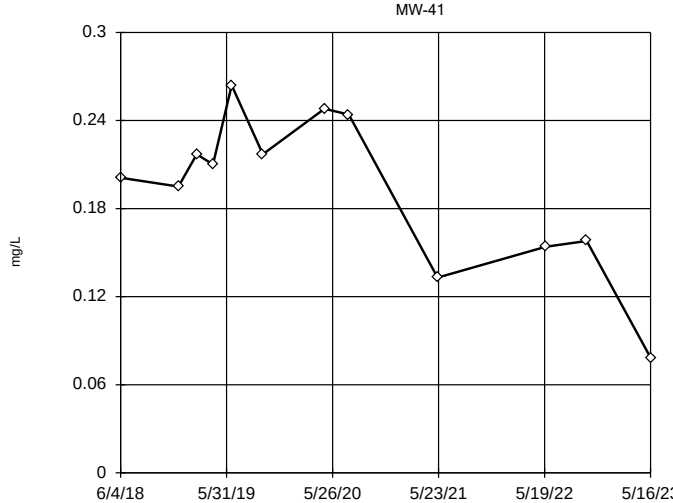
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8859
Critical = 0.835
The distribution was found to be normally distributed.

Constituent: Arsenic Analysis Run 8/12/2025 5:48 PM View: 2025_SSN-MW-41_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-41



n = 12

No statistical outliers.
Testing for 1 low outlier.
Mean = 0.1933.
Std. Dev. = 0.05361.
0.07855 (D): c = 0.4453
tabl = 0.642.
Alpha = 0.01.

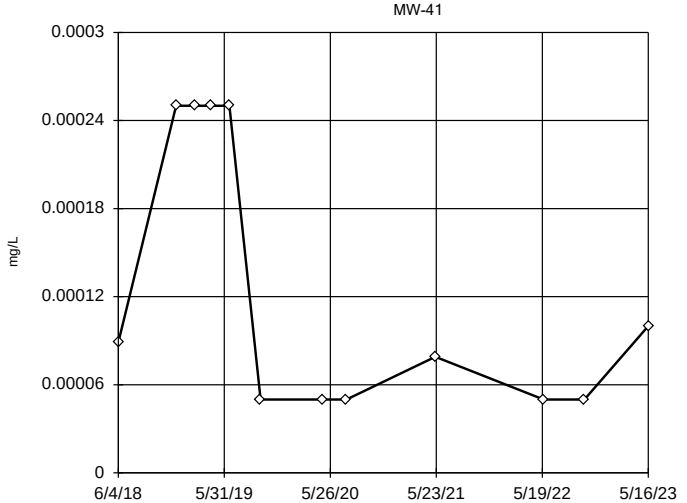
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9528
Critical = 0.792
The distribution was found to be normally distributed.

Constituent: Barium Analysis Run 8/12/2025 5:48 PM View: 2025_SSN-MW-41_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-41



n = 12

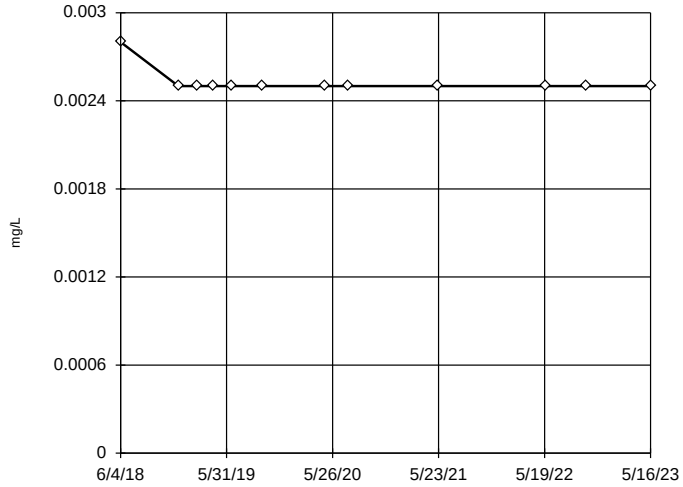
No statistical outliers.

Constituent: Cadmium Analysis Run 8/12/2025 5:48 PM View: 2025_SSN-MW-41_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-41



n = 12

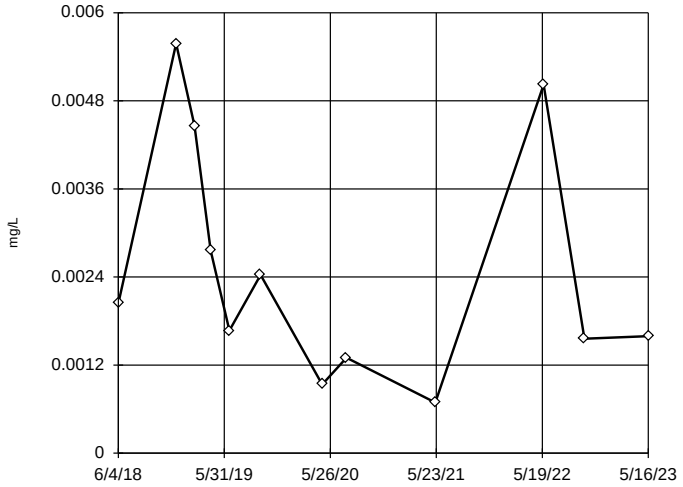
No statistical outliers.

Constituent: Chromium Analysis Run 8/12/2025 5:48 PM View: 2025_SSN-MW-41_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-41



n = 12

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.002503, std. dev. 0.001638, critical Tn 2.285

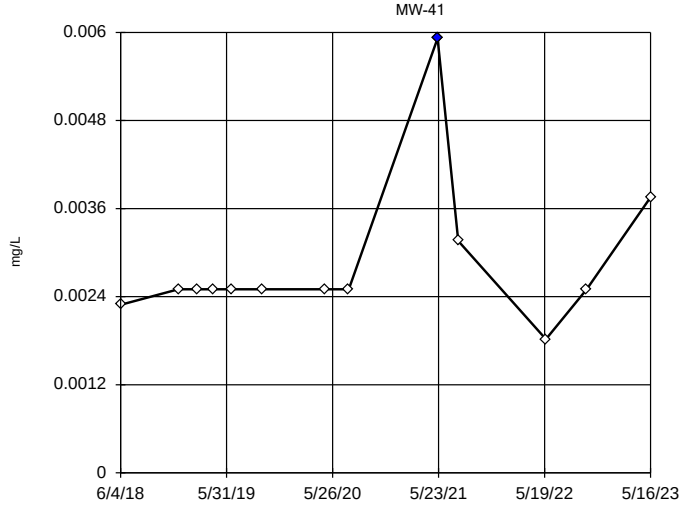
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8659
Critical = 0.805
The distribution was found to be normally distributed.

Constituent: Cobalt Analysis Run 8/12/2025 5:48 PM View: 2025_SSN-MW-41_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-41



n = 13

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

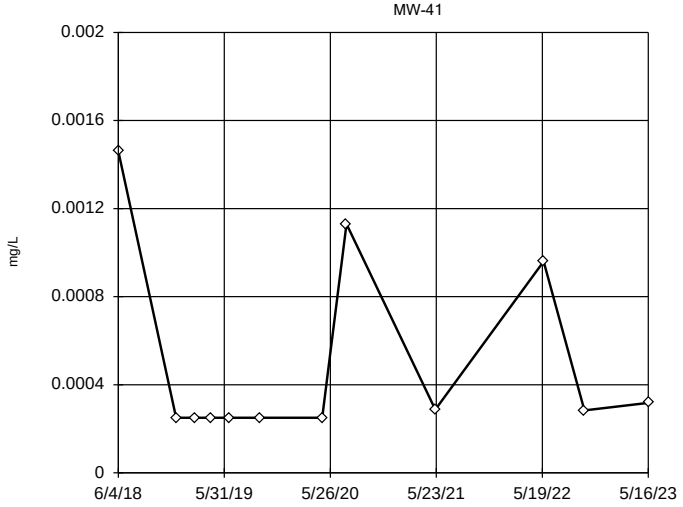
High cutoff = 0.00382, low cutoff = 0.00151, based on IQR multiplier of 3.

Constituent: Copper Analysis Run 8/12/2025 5:48 PM View: 2025_SSN-MW-41_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-41



n = 12

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

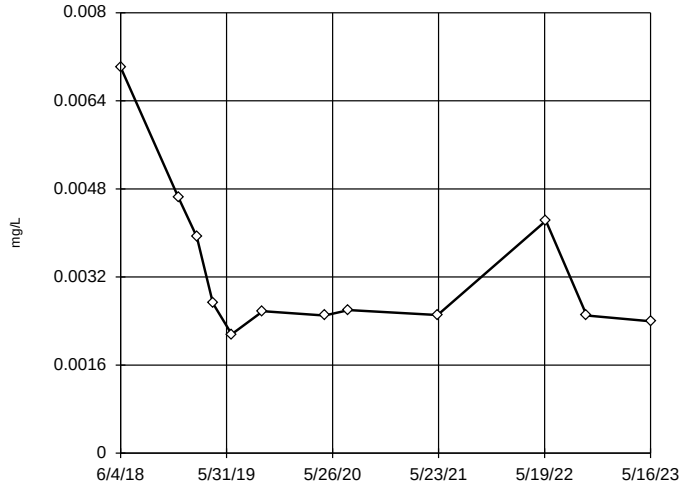
High cutoff = 0.001806, low cutoff = -0.000917, based on IQR multiplier of 3.

Constituent: Lead Analysis Run 8/12/2025 5:48 PM View: 2025_SSN-MW-41_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-41



n = 12

No statistical outliers.
Testing for 1 high outlier.
Mean = 0.003314.
Std. Dev. = 0.00142.
0.00701: c = 0.4726
tabl = 0.642.
Alpha = 0.01.

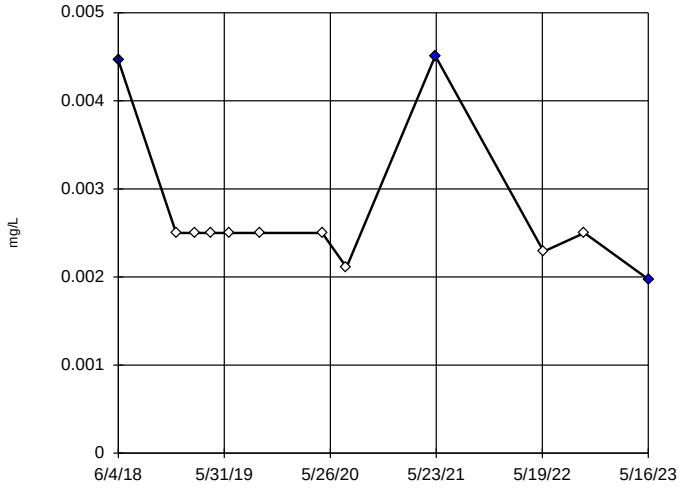
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.7996
Critical = 0.792 (after natural log transformation)
The distribution was found to be log-normal.

Constituent: Nickel Analysis Run 8/12/2025 5:48 PM View: 2025_SSN-MW-41_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-41



n = 12

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

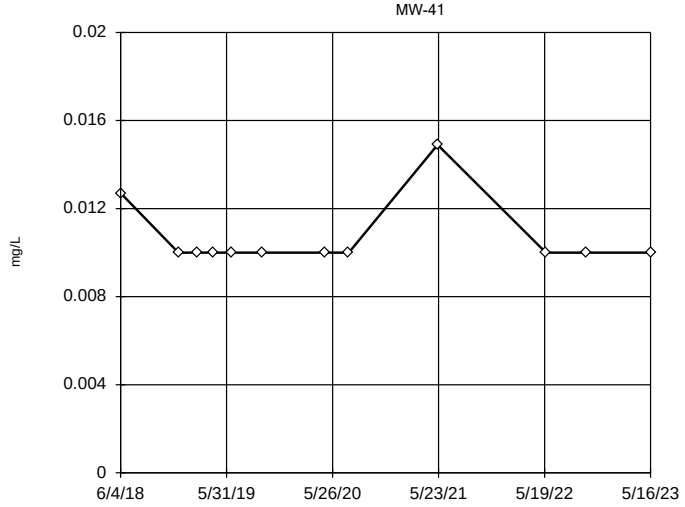
High cutoff = 0.002815, low cutoff = 0.00208, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 8/12/2025 5:48 PM View: 2025_SSN-MW-41_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-41



n = 12

No statistical outliers.

Constituent: Zinc Analysis Run 8/12/2025 5:48 PM View: 2025_SSN-MW-41_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

MW-42 BG Outlier Analysis

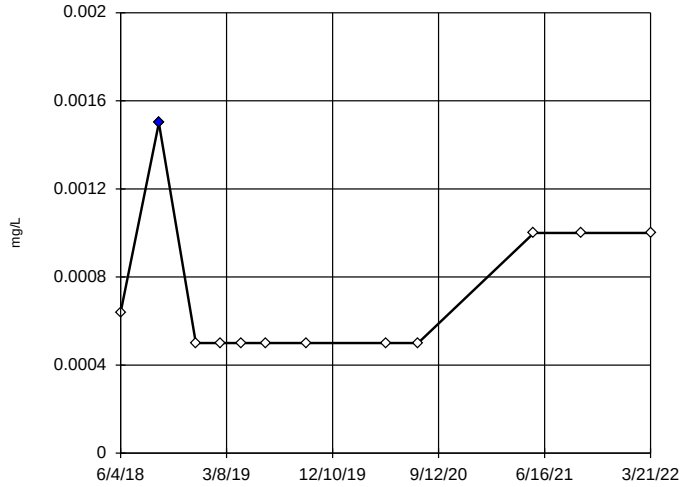
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 8/12/2025, 5:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	**MW-42**	**Yes**	**0.0015**	**9/12/2018**	**OH**	**NaN**	**12**	**0.00072**	**0.0003287**	**n/a**	**n/a**
Arsenic (mg/L)	MW-42	No	n/a	n/a	Dixon/OH	0.01	13	0.02866	0.01762	normal	ShapiroWilk
Barium (mg/L)	MW-42	No	n/a	n/a	EPA/OH	0.05	13	0.3403	0.05328	normal	ShapiroWilk
Cadmium (mg/L)	MW-42	No	n/a	n/a	OH	NaN	12	0.0001433	0.00009682	n/a	n/a
Chromium (mg/L)	MW-42	No	n/a	n/a	OH	NaN	12	0.002656	0.0009046	n/a	n/a
Cobalt (mg/L)	MW-42	No	n/a	n/a	EPA/OH	0.05	12	0.001225	0.000626	normal	ShapiroWilk
Copper (mg/L)	MW-42	No	n/a	n/a	OH	NaN	12	0.002485	0.0001614	n/a	n/a
Lead (mg/L)	MW-42	No	n/a	n/a	EPA/OH	0.05	12	0.0006555	0.0005519	ln(x)	ShapiroWilk
Nickel (mg/L)	**MW-42**	**Yes**	**0.00125**	**2/19/2019**	**Dixon/OH**	**0.01**	**12**	**0.003033**	**0.001922**	**ln(x)**	**ShapiroWilk**
Vanadium (mg/L)	MW-42	No	n/a	n/a	EPA/OH	0.05	12	0.002579	0.001122	normal	ShapiroWilk
Zinc (mg/L)	MW-42	No	n/a	n/a	OH	NaN	12	0.0104	0.0009429	n/a	n/a

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-42



n = 12

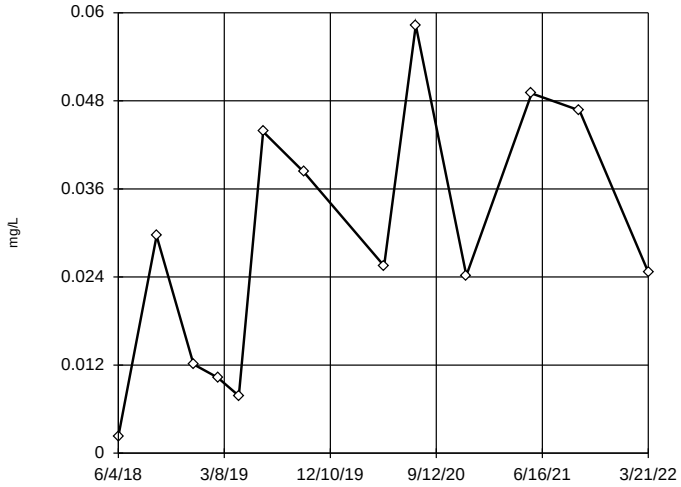
Statistical outlier is drawn as solid.
Outlier per Ohio method.

Constituent: Antimony Analysis Run 8/12/2025 5:30 PM View: 2025_SSN-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-42



n = 13

No statistical outliers.
Testing for 1 low outlier.
Mean = 0.02866.
Std. Dev. = 0.01762.
0.0023: c = 0.1713
tabl = 0.615.
Alpha = 0.01.

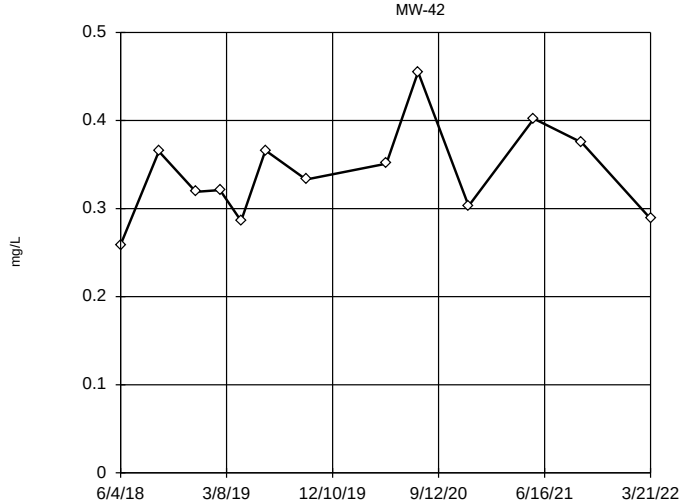
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9486
Critical = 0.805
The distribution was found to be normally distrib-uted.

Constituent: Arsenic Analysis Run 8/12/2025 5:30 PM View: 2025_SSN-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-42



n = 13

Dixon's will not be run.
No suspect values identi-fied or unable to estab-lish suspect values.
Ohio method in use.
Mean 0.3403, std. dev. 0.05328, critical Tn 2.331

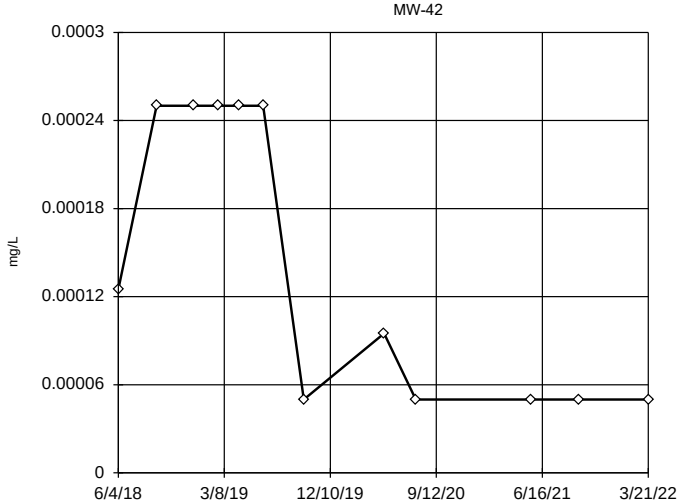
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9713
Critical = 0.814
The distribution was found to be normally distrib-uted.

Constituent: Barium Analysis Run 8/12/2025 5:30 PM View: 2025_SSN-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-42



n = 12

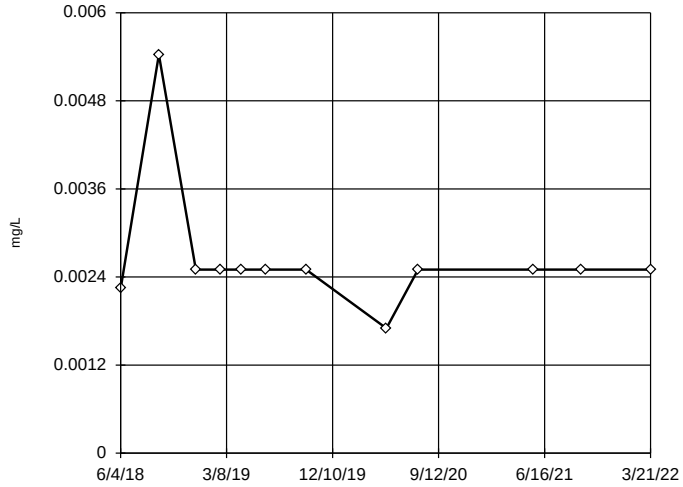
No statistical outliers.

Constituent: Cadmium Analysis Run 8/12/2025 5:30 PM View: 2025_SSN-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-42



n = 12

No statistical outliers.

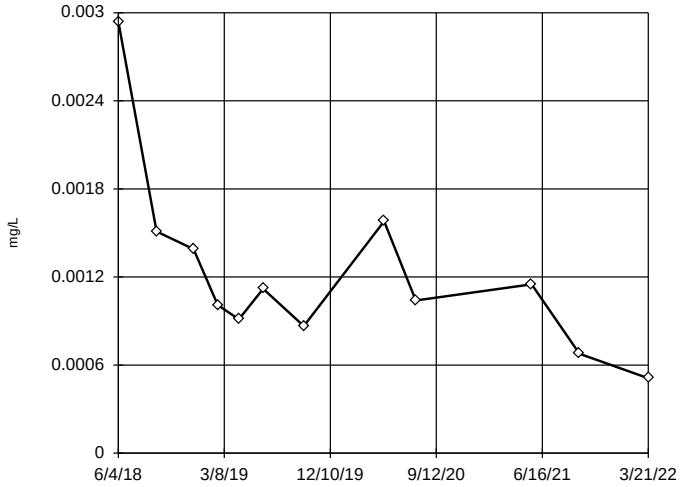
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9713
Critical = 0.814
The distribution was found to be normally distrib-uted.

Constituent: Chromium Analysis Run 8/12/2025 5:30 PM View: 2025_SSN-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-42



n = 12

Dixon's will not be run.
No suspect values identi-fied or unable to estab-lish suspect values.
Ohio method in use.
Mean 0.001225, std. dev. 0.000626, critical Tn 2.285

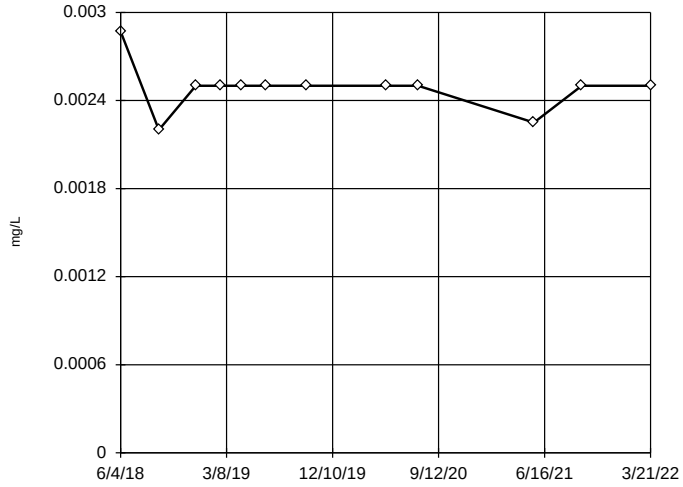
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8136
Critical = 0.805
The distribution was found to be normally distrib-uted.

Constituent: Cobalt Analysis Run 8/12/2025 5:30 PM View: 2025_SSN-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-42



n = 12

No statistical outliers.

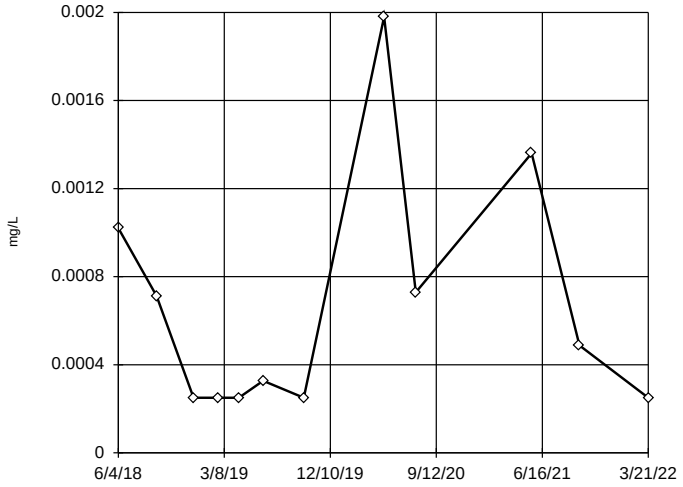
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8136
Critical = 0.805
The distribution was found to be normally distrib-uted.

Constituent: Copper Analysis Run 8/12/2025 5:30 PM View: 2025_SSN-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-42



n = 12

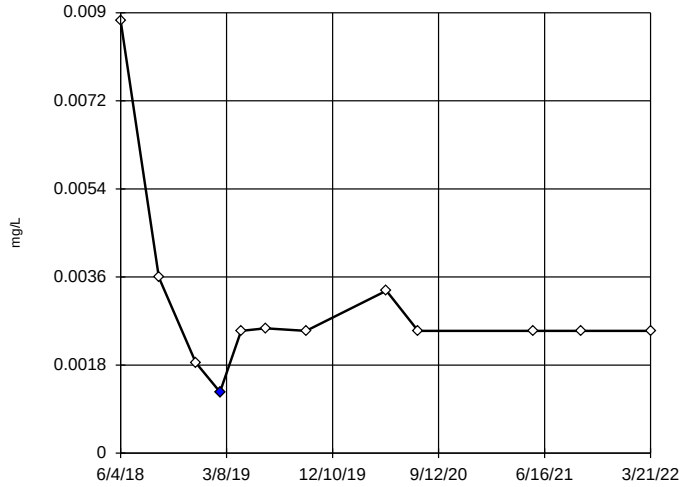
Dixon's will not be run.
No suspect values identi-fied or unable to estab-lish suspect values.
Ohio method in use.
Mean 0.0006555, std. dev. 0.0005519, critical Tn 2.285

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8493
Critical = 0.805 (after natural log transforma-tion)
The distribution was found to be log-normal.

Constituent: Lead Analysis Run 8/12/2025 5:30 PM View: 2025_SSN-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-42



n = 12

Statistical outlier is drawn as solid.
Testing for 1 high and 1 low outliers.
Mean = 0.003033.
Std. Dev. = 0.001922.
0.00884: c = 0.6261 tabl = 0.642.
-6.685 (J): c = 0.657 tabl = 0.642.
Alpha = 0.01.

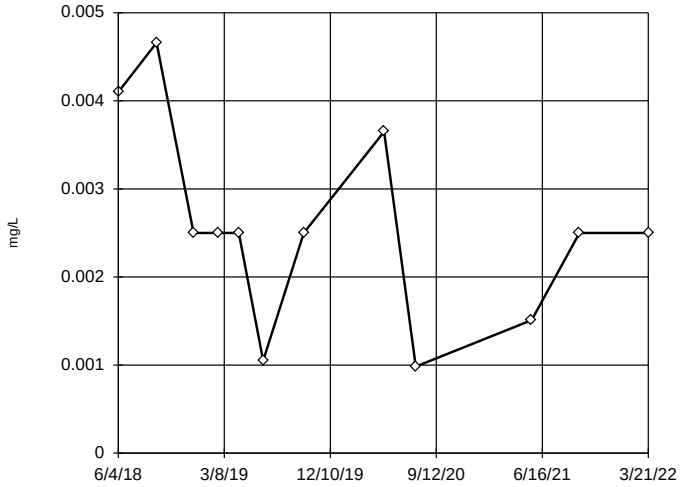
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.7903
Critical = 0.781 (after natural log transformation)
The distribution, after removal of suspect value, was found to be log-normal.

Constituent: Nickel Analysis Run 8/12/2025 5:31 PM View: 2025_SSN-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-42



n = 12

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.002579, std. dev. 0.001122, critical Tn 2.285

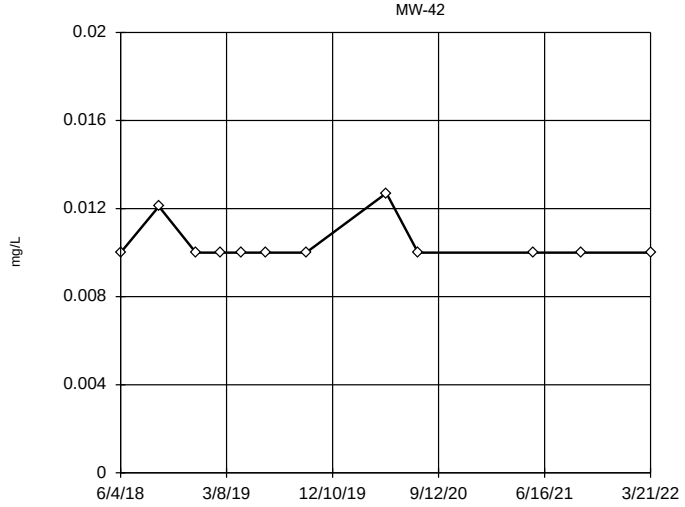
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.899
Critical = 0.805
The distribution was found to be normally distributed.

Constituent: Vanadium Analysis Run 8/12/2025 5:31 PM View: 2025_SSN-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-42



n = 12

No statistical outliers.

Constituent: Zinc Analysis Run 8/12/2025 5:31 PM View: 2025_SSN-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

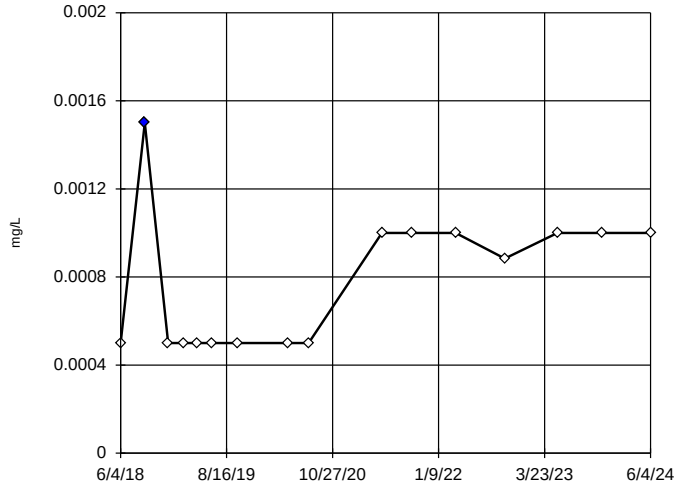
MW-43 BG Outlier Analysis

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 8/12/2025, 5:01 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	**MW-43**	**Yes**	**0.0015**	**9/12/2018**	**OH**	**NaN**	**16**	**0.000774**	**0.0003105**	**n/a**	**n/a**
Arsenic (mg/L)	**MW-43**	**Yes**	**0.00435**	**9/12/2018**	**Dixon/OH**	**0.01**	**16**	**0.001547**	**0.0008784**	**normal**	**ShapiroWilk**
Barium (mg/L)	MW-43	No	n/a	n/a	EPA/OH	0.05	16	0.1408	0.07066	normal	ShapiroWilk
Cadmium (mg/L)	**MW-43**	**Yes**	**0.00025,0.00025,0.00025,0.00025,0.00025,0.00025**	**6/4/2018,9/12/2018,12/18/2018,2/19/20...**	**OH**	**NaN**	**16**	**0.0001364**	**0.00009279**	**n/a**	**n/a**
Chromium (mg/L)	MW-43	No	n/a	n/a	OH	NaN	17	0.002743	0.0009467	n/a	n/a
Cobalt (mg/L)	MW-43	No	n/a	n/a	Dixon/OH	0.01	16	0.00107	0.0006244	normal	ShapiroWilk
Copper (mg/L)	MW-43	No	n/a	n/a	NP (nrm)/OH	NaN	17	0.002923	0.0009533	unknown	ShapiroWilk
Lead (mg/L)	MW-43	No	n/a	n/a	NP (nrm)/OH	NaN	17	0.0004093	0.0002502	unknown	ShapiroWilk
Nickel (mg/L)	**MW-43**	**Yes**	**0.00123,0.00341,0.0039**	**12/18/2018,3/21/2022,11/15/2023**	**NP (nrm)/OH**	**NaN**	**16**	**0.002394**	**0.0006742**	**unknown**	**ShapiroWilk**
Selenium (mg/L)	MW-43	No	n/a	n/a	OH	NaN	16	0.002374	0.0003549	n/a	n/a
Vanadium (mg/L)	**MW-43**	**Yes**	**0.00564**	**11/15/2023**	**NP (nrm)/OH**	**NaN**	**17**	**0.002866**	**0.00112**	**unknown**	**ShapiroWilk**
Zinc (mg/L)	MW-43	No	n/a	n/a	OH	NaN	16	0.01062	0.001832	n/a	n/a

Ohio EPA 0715 Outlier Algorithm

MW-43



n = 16

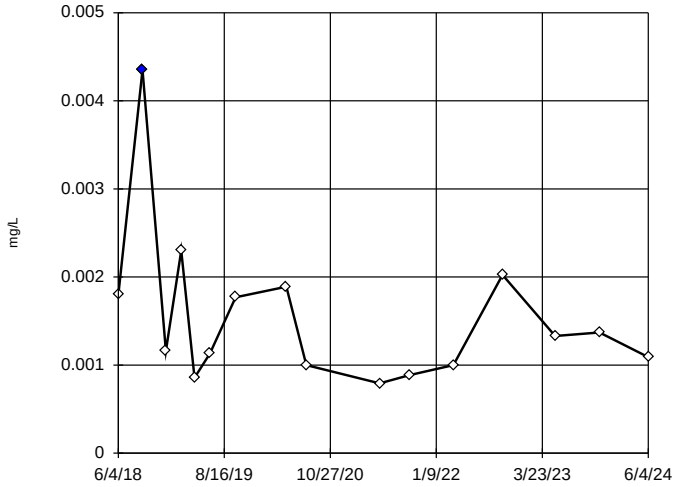
Statistical outlier is drawn as solid.
Outlier per Ohio method.

Constituent: Antimony Analysis Run 8/12/2025 4:59 PM View: 2025_SSN-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-43



n = 16

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 0.001547.
Std. Dev. = 0.0008784.
0.00435: c = 0.6714
tabl = 0.595.
Alpha = 0.01.

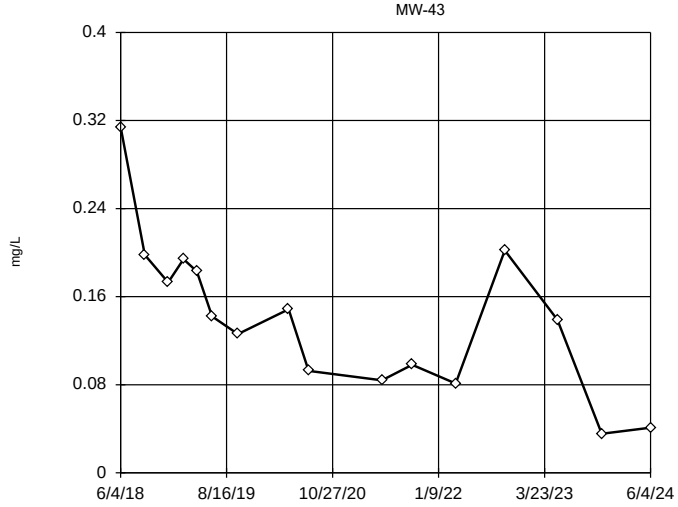
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9057
Critical = 0.835
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Arsenic Analysis Run 8/12/2025 4:59 PM View: 2025_SSN-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-43



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.1408, std. dev. 0.07066, critical Tn 2.443

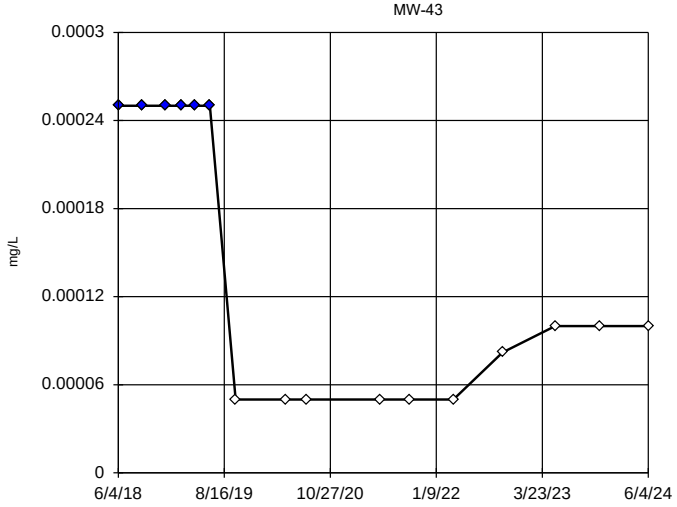
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9484
Critical = 0.844
The distribution was found to be normally distributed.

Constituent: Barium Analysis Run 8/12/2025 4:59 PM View: 2025_SSN-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-43



n = 16

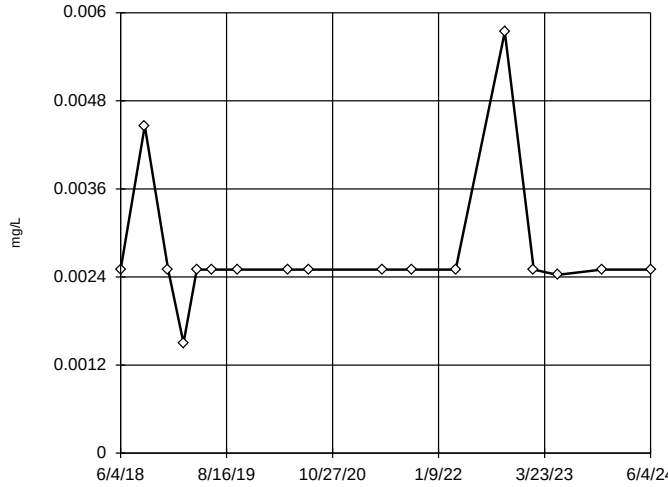
Statistical outlier is drawn as solid.
Outlier per Ohio method.

Constituent: Cadmium Analysis Run 8/12/2025 4:59 PM View: 2025_SSN-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-43



n = 17

No statistical outliers.

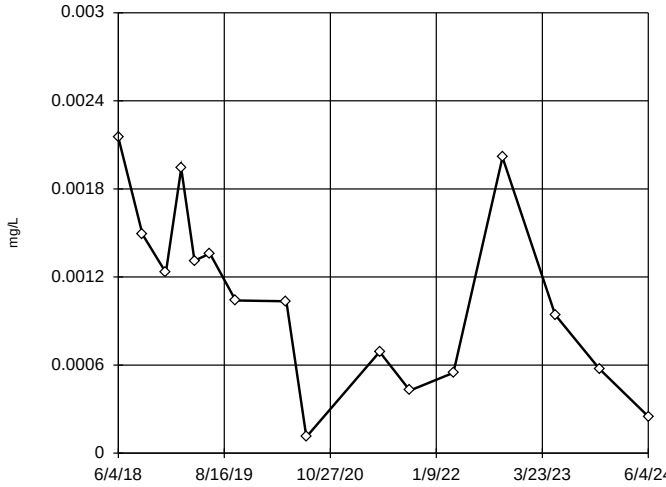
Constituent: Chromium Analysis Run 8/12/2025 4:59 PM View: 2025_SSN-MW-43_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-43



n = 16

No statistical outliers.
Testing for 1 low outlier.
Mean = 0.00107.
Std. Dev. = 0.0006244.
0.00011 (J): c = 0.1732
tabl = 0.595.
Alpha = 0.01.

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9536
Critical = 0.835
The distribution was found to be normally distrib-uted.

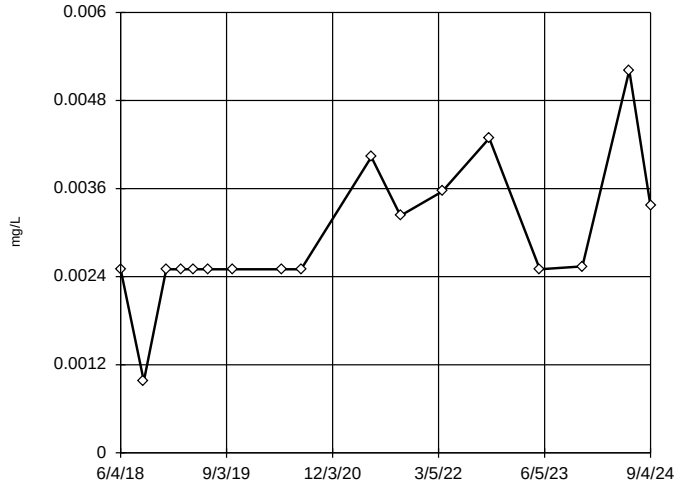
Constituent: Cobalt Analysis Run 8/12/2025 4:59 PM View: 2025_SSN-MW-43_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-43



n = 17

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

High cutoff = 0.00634, low cutoff = -0.00038, based on IQR multiplier of 3.

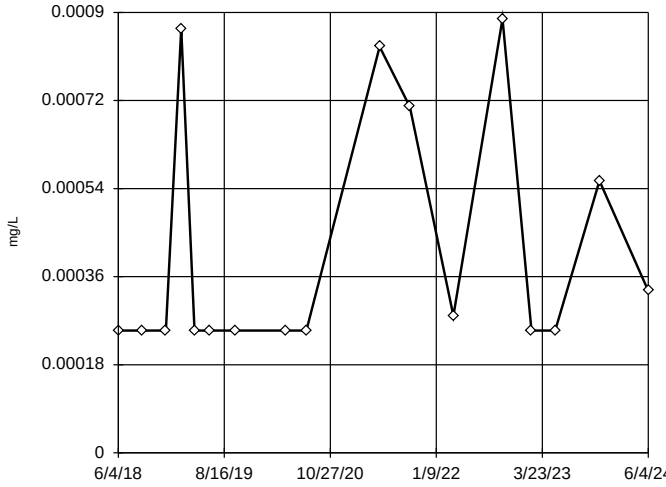
Constituent: Copper Analysis Run 8/12/2025 4:59 PM View: 2025_SSN-MW-43_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-43



n = 17

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

High cutoff = 0.001776, low cutoff = -0.0008945, based on IQR multiplier of 3.

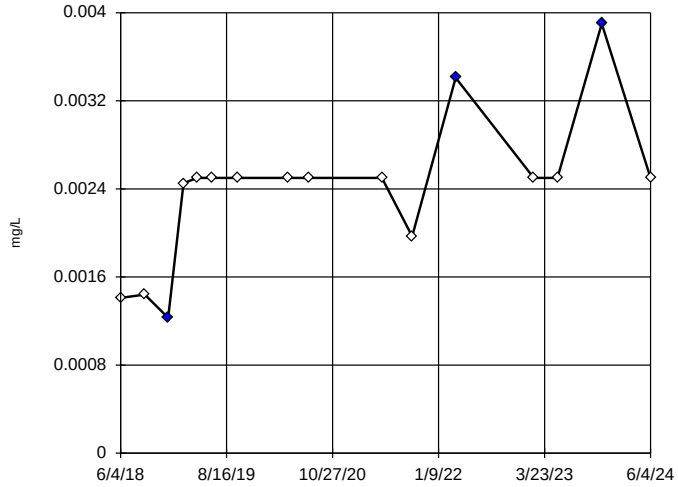
Constituent: Lead Analysis Run 8/12/2025 4:59 PM View: 2025_SSN-MW-43_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-43



n = 16

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

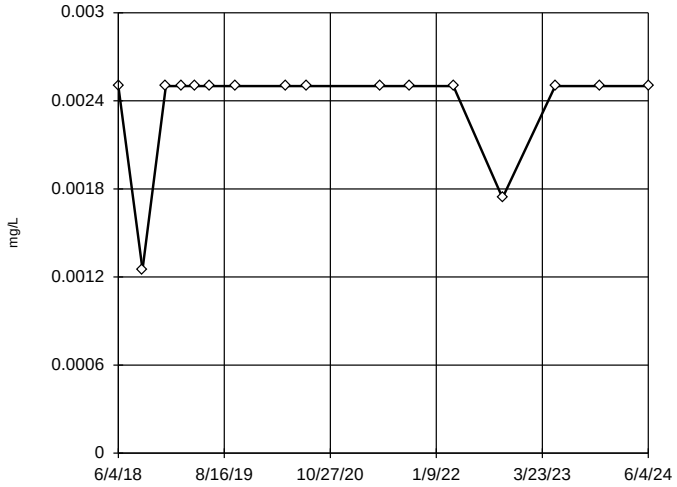
High cutoff = 0.00337, low cutoff = 0.00134, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 8/12/2025 4:59 PM View: 2025_SSN-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-43



n = 16

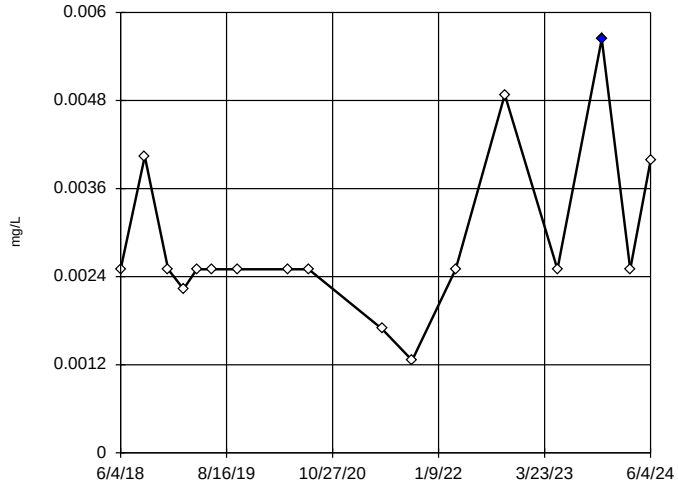
No statistical outliers.

Constituent: Selenium Analysis Run 8/12/2025 4:59 PM View: 2025_SSN-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-43



n = 17

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

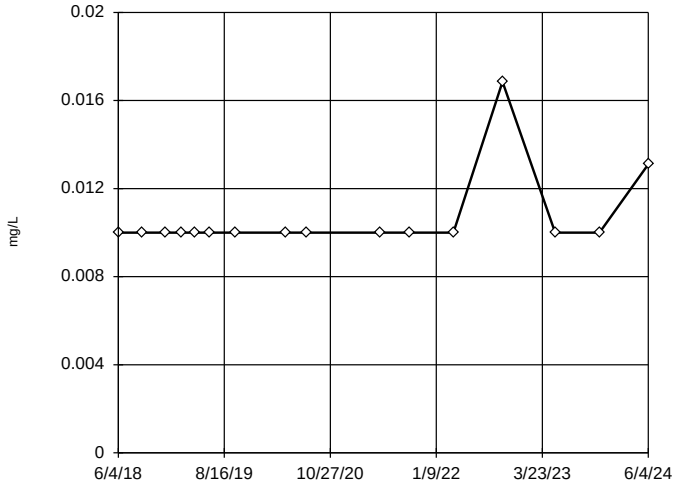
High cutoff = 0.00546, low cutoff = 0.00028, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 8/12/2025 4:59 PM View: 2025_SSN-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-43



n = 16

No statistical outliers.

Constituent: Zinc Analysis Run 8/12/2025 4:59 PM View: 2025_SSN-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

MW-48 BG Outlier Analysis

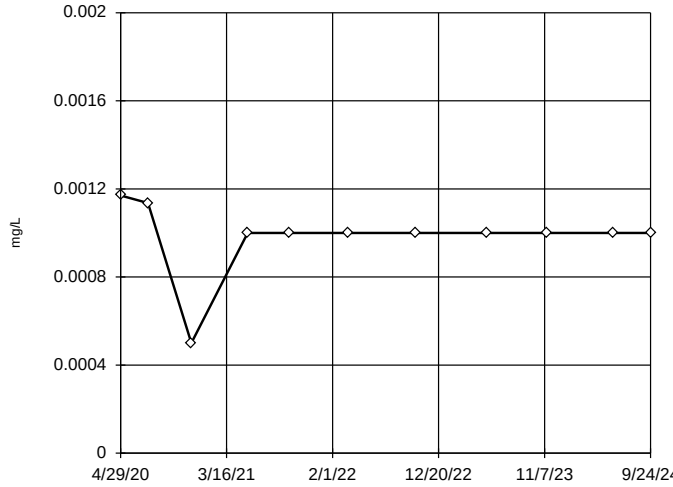
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 8/12/2025, 4:06 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	MW-48	No	n/a	n/a	OH	NaN	11	0.0009823	0.0001714	n/a	n/a
Arsenic (mg/L)	MW-48	No	n/a	n/a	EPA/OH	0.05	11	0.0009498	0.0001659	normal	ShapiroWilk
Barium (mg/L)	MW-48	No	n/a	n/a	EPA/OH	0.05	12	0.08778	0.007907	normal	ShapiroWilk
Cadmium (mg/L)	MW-48	No	n/a	n/a	EPA/OH	0.05	11	0.00008427	0.00002262	normal	ShapiroWilk
Chromium (mg/L)	MW-48	No	n/a	n/a	EPA/OH	0.05	11	0.002716	0.001106	normal	ShapiroWilk
Cobalt (mg/L)	**MW-48**	**Yes**	**0.00517**	**11/30/2020**	**Dixon/OH**	**0.01**	**11**	**0.0007235**	**0.001477**	**normal**	**ShapiroWilk**
Copper (mg/L)	**MW-48**	**Yes**	**0.00761**	**11/30/2020**	**Dixon/OH**	**0.01**	**11**	**0.00388**	**0.001397**	**normal**	**ShapiroWilk**
Lead (mg/L)	**MW-48**	**Yes**	**0.00129**	**11/30/2020**	**NP (nrm)/OH**	**NaN**	**11**	**0.0003544**	**0.0003113**	**unknown**	**ShapiroWilk**
Nickel (mg/L)	**MW-48**	**Yes**	**0.0198**	**11/30/2020**	**Dixon/OH**	**0.01**	**11**	**0.006602**	**0.004631**	**normal**	**ShapiroWilk**
Selenium (mg/L)	MW-48	No	n/a	n/a	NP (nrm)/OH	NaN	11	0.001939	0.0006648	unknown	ShapiroWilk
Vanadium (mg/L)	**MW-48**	**Yes**	**0.0052**	**11/30/2020**	**Dixon/OH**	**0.01**	**11**	**0.002393**	**0.001019**	**normal**	**ShapiroWilk**

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-48



n = 11

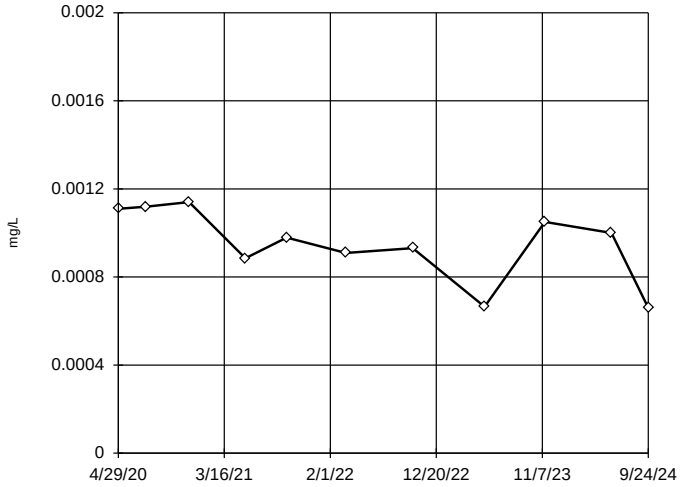
No statistical outliers.

Constituent: Antimony Analysis Run 8/12/2025 4:03 PM View: 2025_SSN-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-48



n = 11

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.0009498, std. dev. 0.0001659, critical Tn 2.234

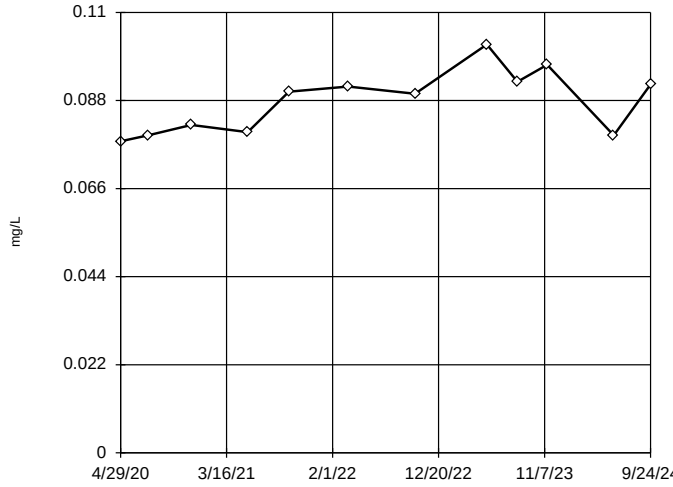
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8909
Critical = 0.792
The distribution was found to be normally distributed.

Constituent: Arsenic Analysis Run 8/12/2025 4:03 PM View: 2025_SSN-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-48



n = 12

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.08778, std. dev. 0.007907, critical Tn 2.285

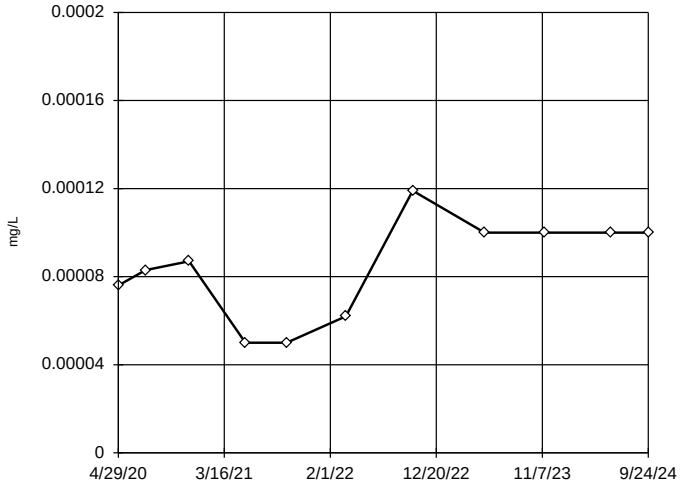
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9112
Critical = 0.805
The distribution was found to be normally distributed.

Constituent: Barium Analysis Run 8/12/2025 4:03 PM View: 2025_SSN-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-48



n = 11

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.00008427, std. dev. 0.00002262, critical Tn 2.234

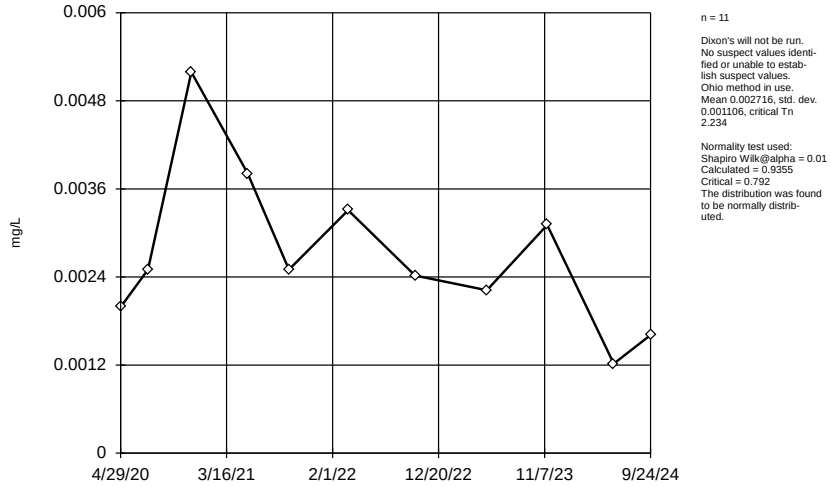
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9147
Critical = 0.792
The distribution was found to be normally distributed.

Constituent: Cadmium Analysis Run 8/12/2025 4:03 PM View: 2025_SSN-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-48



n = 11

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.002716, std. dev. 0.001106, critical Tn 2.234

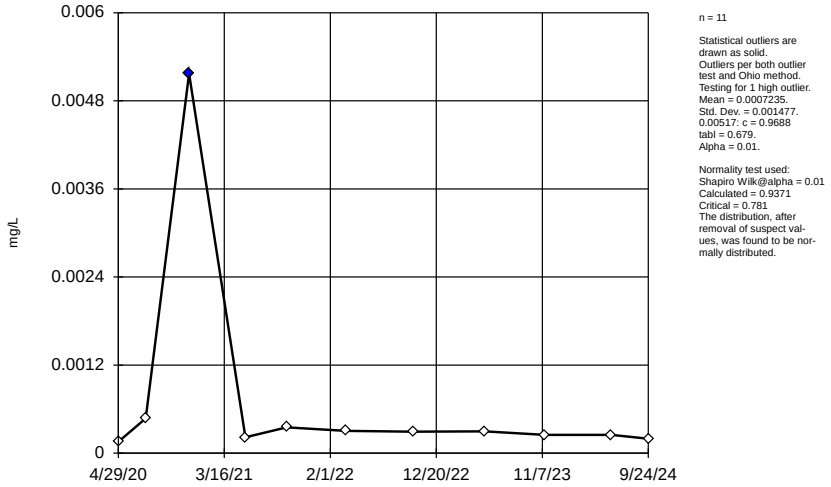
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9355
Critical = 0.792
The distribution was found to be normally distributed.

Constituent: Chromium Analysis Run 8/12/2025 4:04 PM View: 2025_SSN-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-48



n = 11

Statistical outliers are drawn as solid.
Outliers per both outlier test and Ohio method.
Testing for 1 high outlier.
Mean = 0.0007235.
Std. Dev. = 0.001477.
0.00517: c = 0.9688
tabl = 0.679.
Alpha = 0.01.

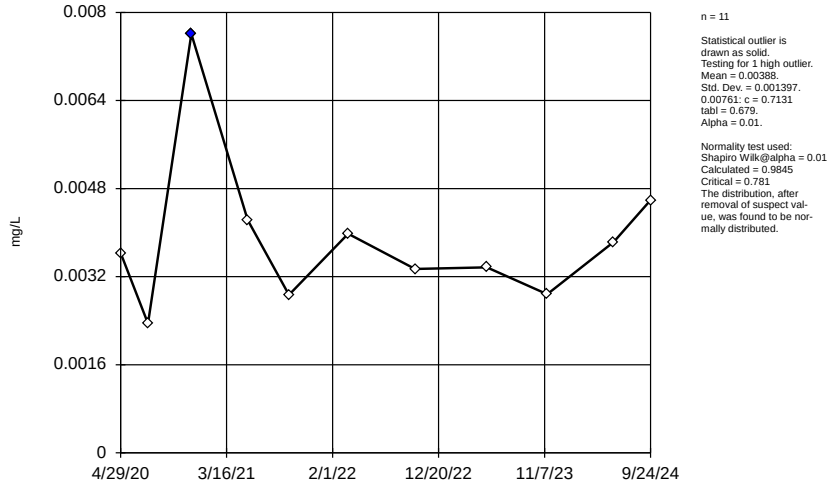
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9371
Critical = 0.781
The distribution, after removal of suspect values, was found to be normally distributed.

Constituent: Cobalt Analysis Run 8/12/2025 4:04 PM View: 2025_SSN-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-48



n = 11

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 0.00388.
Std. Dev. = 0.001397.
0.00761: c = 0.7131
tabl = 0.679.
Alpha = 0.01.

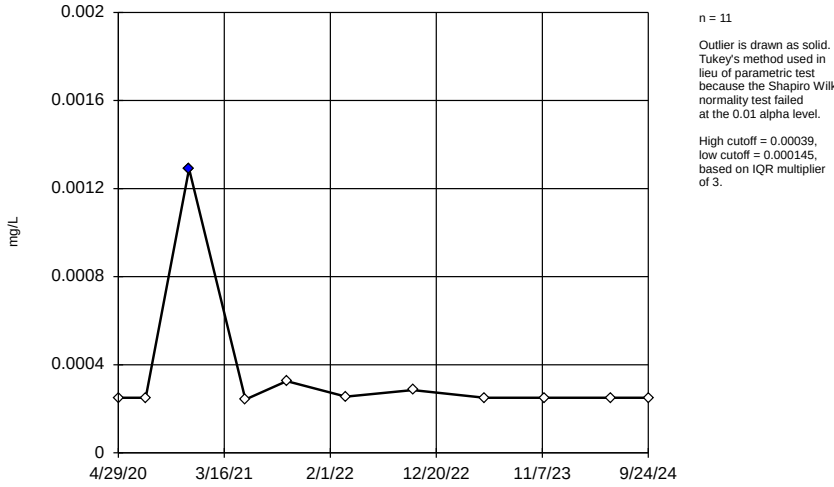
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9845
Critical = 0.781
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Copper Analysis Run 8/12/2025 4:04 PM View: 2025_SSN-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-48



n = 11

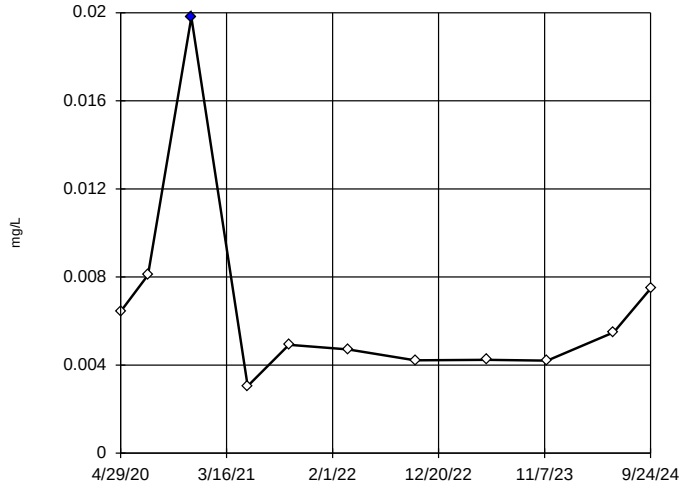
Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

High cutoff = 0.00039, low cutoff = 0.000145, based on IQR multiplier of 3.

Constituent: Lead Analysis Run 8/12/2025 4:04 PM View: 2025_SSN-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-48



n = 11

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 0.006602.
Std. Dev. = 0.004631.
0.0198: c = 0.7904
tabl = 0.679.
Alpha = 0.01.

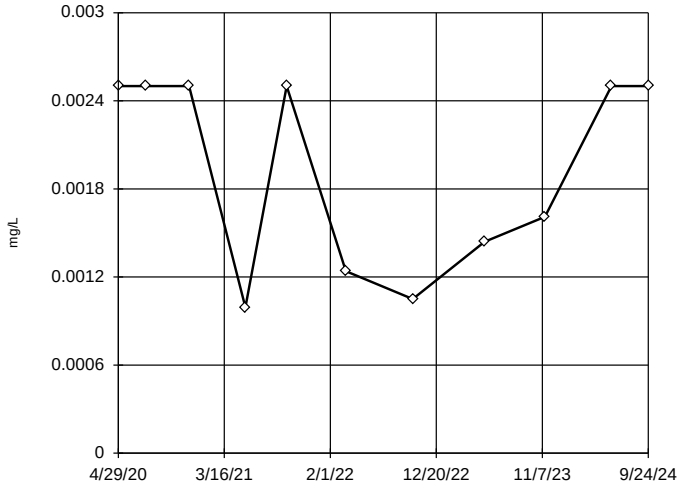
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.927
Critical = 0.781
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Nickel Analysis Run 8/12/2025 4:04 PM View: 2025_SSN-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-48



n = 11

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

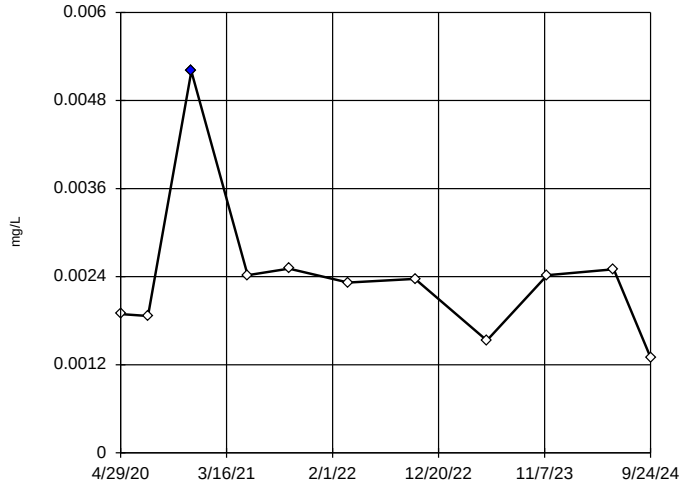
High cutoff = 0.00628, low cutoff = -0.00254, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 8/12/2025 4:04 PM View: 2025_SSN-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-48



n = 11

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 0.002393.
Std. Dev. = 0.001019.
0.0052: c = 0.7357
tabl = 0.679.
Alpha = 0.01.

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8378
Critical = 0.781
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Vanadium Analysis Run 8/12/2025 4:04 PM View: 2025_SSN-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

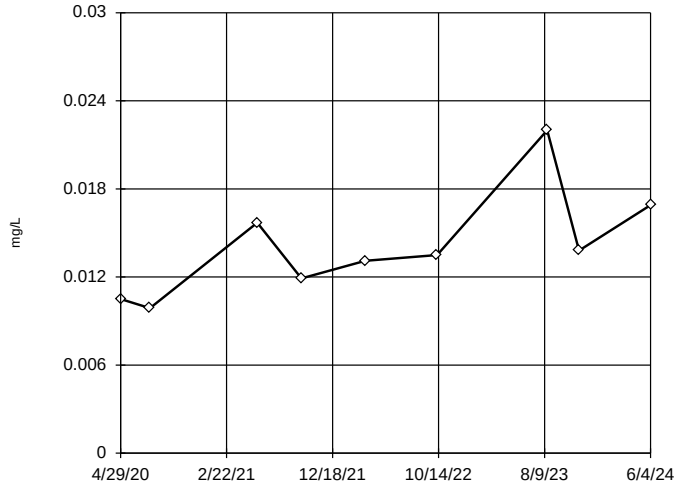
MW-117 BG Outlier Analysis

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 8/12/2025, 1:14 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Arsenic (mg/L)	MW-117	No	n/a	n/a	EPA/OH	0.05	9	0.01414	0.003706	normal	ShapiroWilk
Barium (mg/L)	MW-117	No	n/a	n/a	EPA/OH	0.05	9	0.4442	0.07075	normal	ShapiroWilk
Cobalt (mg/L)	MW-117	No	n/a	n/a	EPA/OH	0.05	9	0.006918	0.005522	normal	ShapiroWilk
Copper (mg/L)	MW-117	No	n/a	n/a	OH	NaN	9	0.002602	0.0003067	n/a	n/a
Lead (mg/L)	MW-117	No	n/a	n/a	OH	NaN	9	0.0002502	6.7e-7	n/a	n/a
Nickel (mg/L)	MW-117	No	n/a	n/a	EPA/OH	0.05	9	0.005201	0.003701	normal	ShapiroWilk
Silver (mg/L)	MW-117	No	n/a	n/a	OH	NaN	9	0.0004954	0.00001367	n/a	n/a
Zinc (mg/L)	MW-117	No	n/a	n/a	OH	NaN	9	0.01013	0.0004	n/a	n/a

EPA Screening (suspected outliers for Dixon's Test)

MW-117



n = 9

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.01414, std. dev. 0.003706, critical Tn 2.11

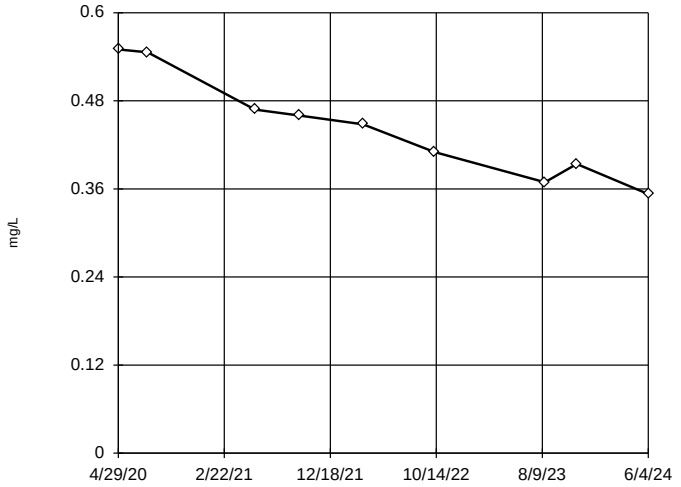
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9157
Critical = 0.764
The distribution was found to be normally distributed.

Constituent: Arsenic Analysis Run 8/12/2025 1:04 PM View: 2025_SSN-MW-117_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-117



n = 9

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.4442, std. dev. 0.07075, critical Tn 2.11

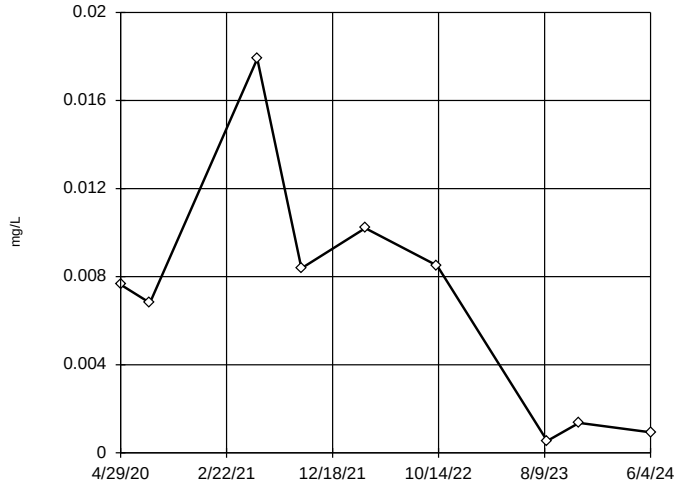
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9279
Critical = 0.764
The distribution was found to be normally distributed.

Constituent: Barium Analysis Run 8/12/2025 1:04 PM View: 2025_SSN-MW-117_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-117



n = 9

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.006918, std. dev. 0.005522, critical Tn 2.11

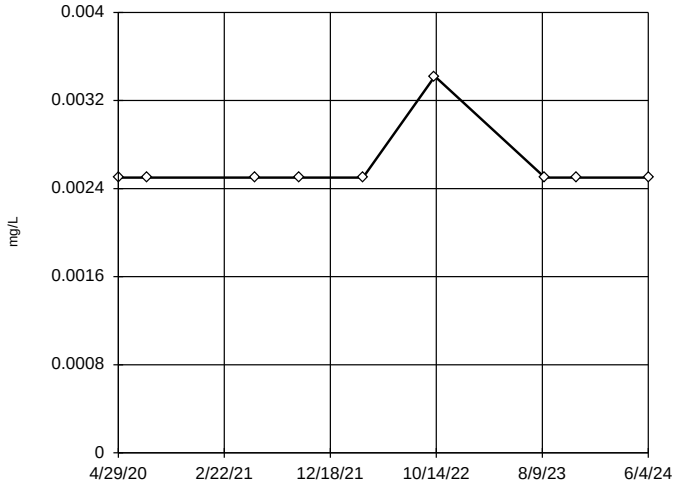
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8963
Critical = 0.764
The distribution was found to be normally distributed.

Constituent: Cobalt Analysis Run 8/12/2025 1:04 PM View: 2025_SSN-MW-117_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-117



n = 9

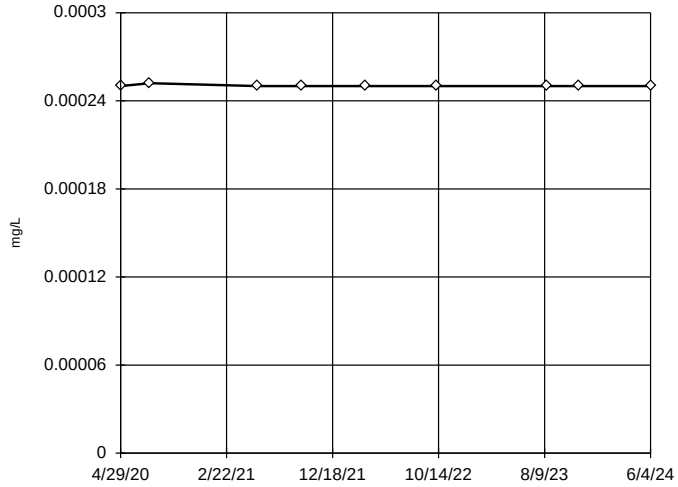
No statistical outliers.

Constituent: Copper Analysis Run 8/12/2025 1:04 PM View: 2025_SSN-MW-117_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-117



n = 9

No statistical outliers.

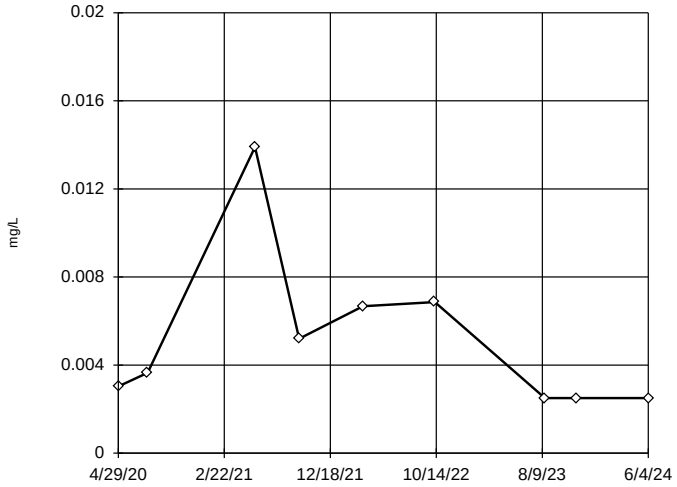
Constituent: Lead Analysis Run 8/12/2025 1:04 PM View: 2025_SSN-MW-117_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-117



n = 9

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.005201, std. dev. 0.003701, critical Tn 2.11

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.765
Critical = 0.764
The distribution was found to be normally distributed.

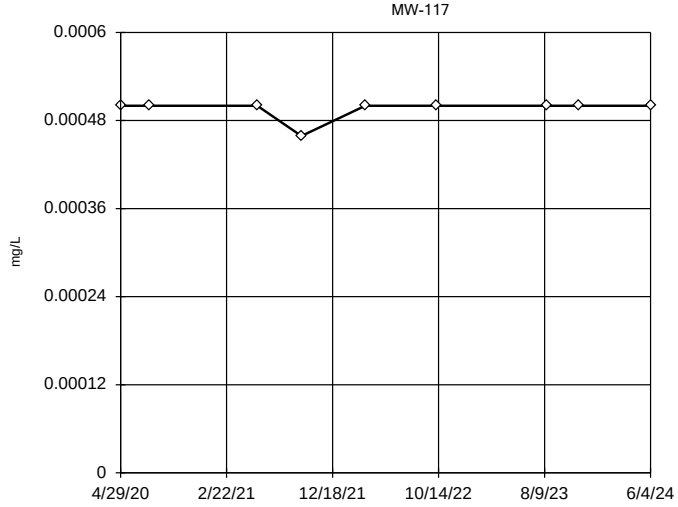
Constituent: Nickel Analysis Run 8/12/2025 1:04 PM View: 2025_SSN-MW-117_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-117



n = 9

No statistical outliers.

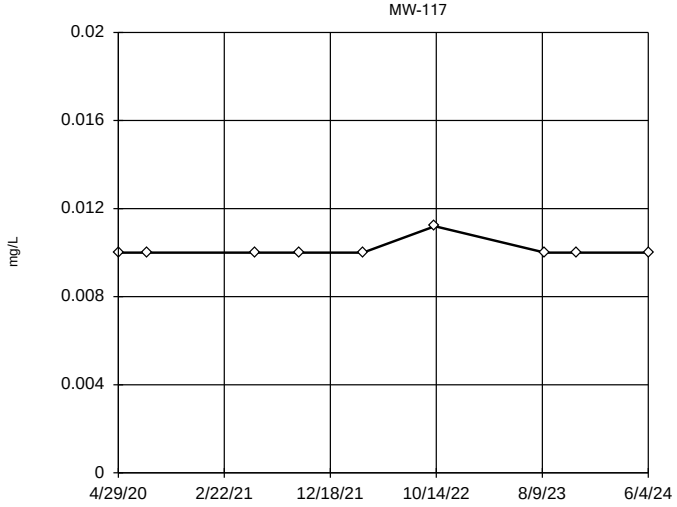
Constituent: Silver Analysis Run 8/12/2025 1:04 PM View: 2025_SSN-MW-117_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-117



n = 9

No statistical outliers.

Constituent: Zinc Analysis Run 8/12/2025 1:04 PM View: 2025_SSN-MW-117_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

OP-14 BG Outlier Analysis

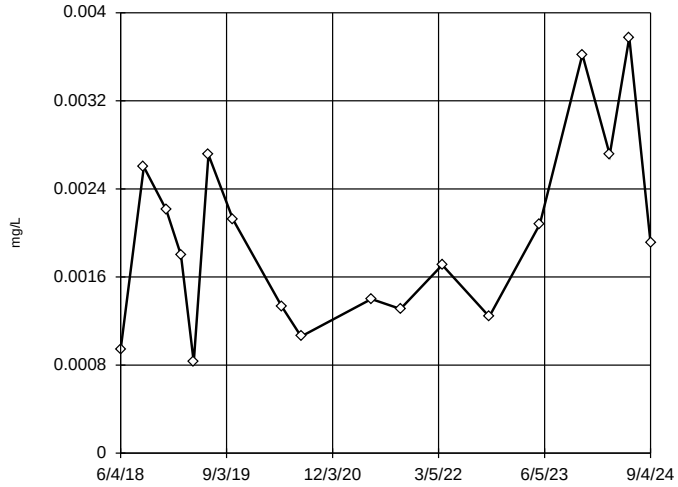
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 8/12/2025, 3:27 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Arsenic (mg/L)	OP-14	No	n/a	n/a	EPA/OH	0.05	18	0.001964	0.0008597	normal	ShapiroWilk
Barium (mg/L)	OP-14	No	n/a	n/a	EPA/OH	0.05	16	0.1787	0.07377	normal	ShapiroWilk
Cadmium (mg/L)	OP-14	No	n/a	n/a	EPA/OH	0.05	16	0.0001488	0.0001029	normal	ShapiroWilk
Chromium (mg/L)	OP-14	No	n/a	n/a	OH	NaN	16	0.002514	0.0003998	n/a	n/a
Cobalt (mg/L)	OP-14	No	n/a	n/a	EPA/OH	0.05	16	0.006499	0.006808	ln(x)	ShapiroWilk
Copper (mg/L)	OP-14	No	n/a	n/a	OH	NaN	16	0.002539	0.0005704	n/a	n/a
Lead (mg/L)	OP-14	No	n/a	n/a	OH	NaN	16	0.00028	0.0001069	n/a	n/a
Nickel (mg/L)	OP-14	No	n/a	n/a	EPA/OH	0.05	16	0.01819	0.01173	normal	ShapiroWilk
Selenium (mg/L)	OP-14	No	n/a	n/a	OH	NaN	16	0.002387	0.0003338	n/a	n/a
Silver (mg/L)	**OP-14**	**Yes**	**0.00135**	**10/10/2022**	**OH**	**NaN**	**16**	**0.0005375**	**0.0002255**	**n/a**	**n/a**
Thallium (mg/L)	OP-14	No	n/a	n/a	OH	NaN	16	0.0005229	0.0001328	n/a	n/a
Vanadium (mg/L)	OP-14	No	n/a	n/a	OH	NaN	16	0.002559	0.0003377	n/a	n/a
Zinc (mg/L)	**OP-14**	**Yes**	**0.137**	**5/20/2021**	**OH**	**NaN**	**17**	**0.01756**	**0.03078**	**n/a**	**n/a**

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

OP-14



n = 18

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.001964, std. dev. 0.0008597, critical Tn 2.504

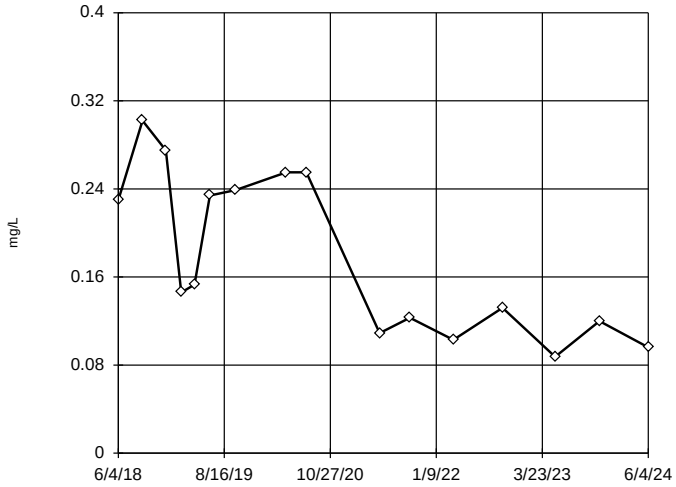
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9322
Critical = 0.858
The distribution was found to be normally distributed.

Constituent: Arsenic Analysis Run 8/12/2025 3:18 PM View: 2025_SSN-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

OP-14



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.1787, std. dev. 0.07377, critical Tn 2.443

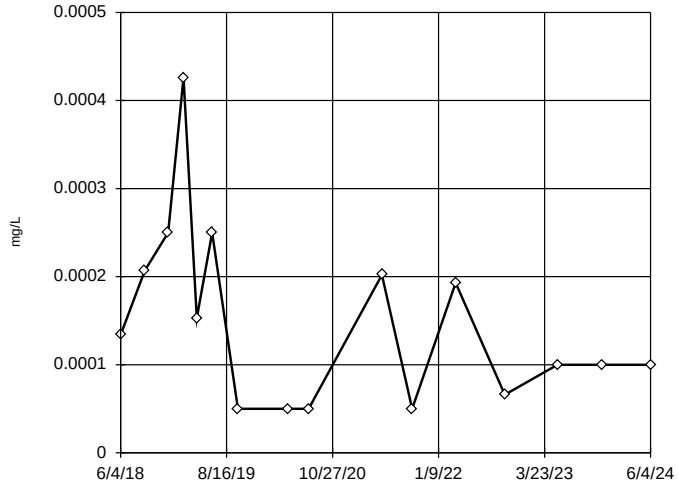
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8815
Critical = 0.844
The distribution was found to be normally distributed.

Constituent: Barium Analysis Run 8/12/2025 3:18 PM View: 2025_SSN-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

OP-14



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.0001488, std. dev. 0.0001029, critical Tn 2.443

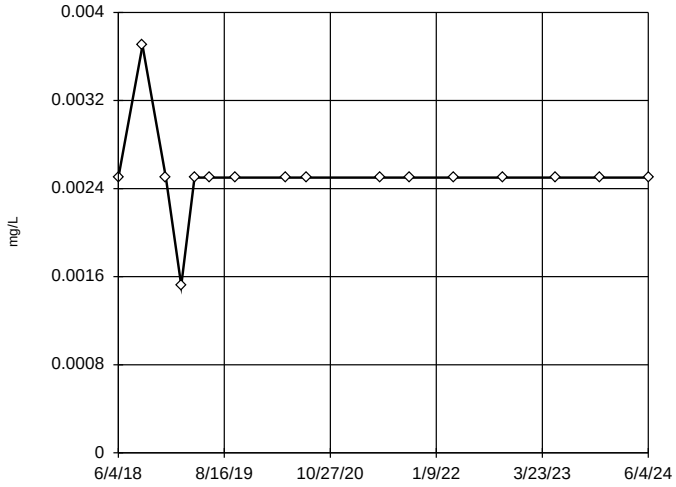
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8604
Critical = 0.844
The distribution was found to be normally distributed.

Constituent: Cadmium Analysis Run 8/12/2025 3:18 PM View: 2025_SSN-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



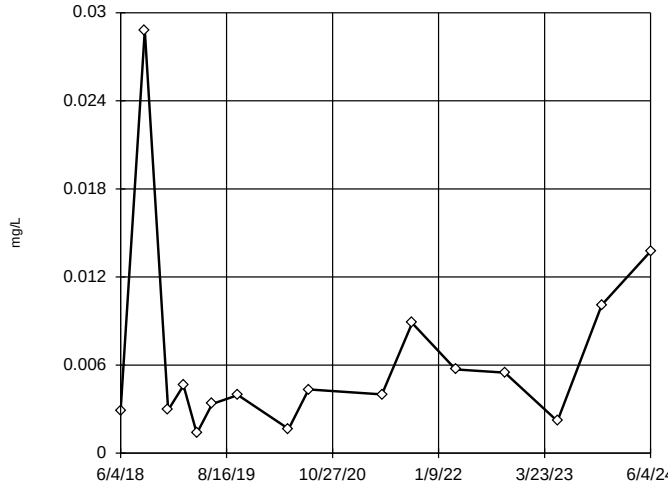
n = 16

No statistical outliers.

Constituent: Chromium Analysis Run 8/12/2025 3:18 PM View: 2025_SSN-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

EPA Screening (suspected outliers for Dixon's Test)

OP-14



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.006499, std. dev. 0.006808, critical Tn 2.443

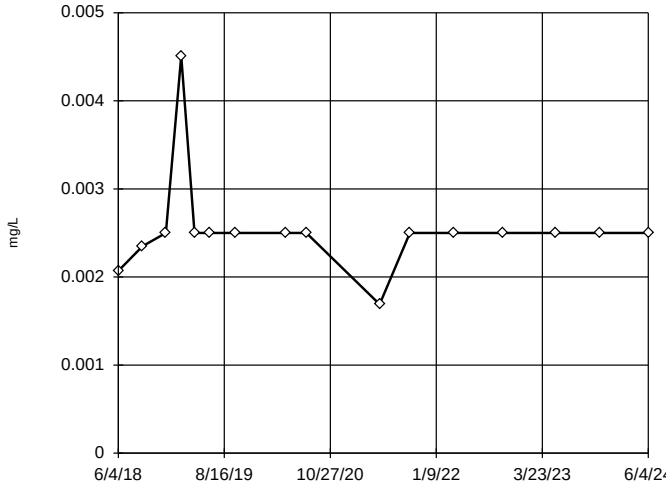
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9646
Critical = 0.844 (after natural log transformation)
The distribution was found to be log-normal.

Constituent: Cobalt Analysis Run 8/12/2025 3:18 PM View: 2025_SSN-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



n = 16

No statistical outliers.

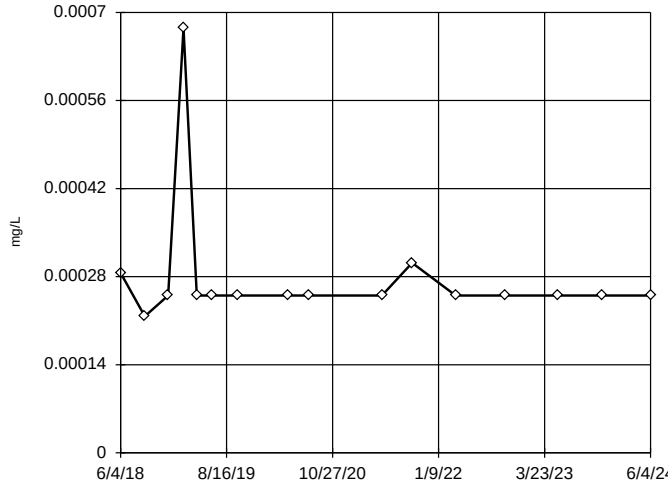
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9646
Critical = 0.844 (after natural log transformation)
The distribution was found to be log-normal.

Constituent: Copper Analysis Run 8/12/2025 3:18 PM View: 2025_SSN-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



n = 16

No statistical outliers.

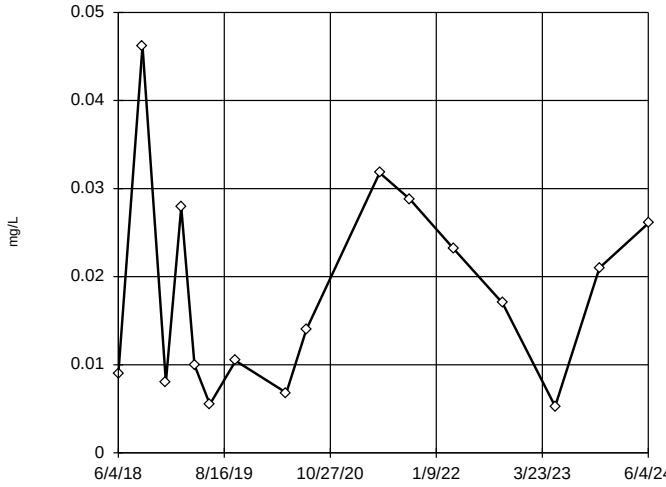
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9646
Critical = 0.844 (after natural log transformation)
The distribution was found to be log-normal.

Constituent: Lead Analysis Run 8/12/2025 3:18 PM View: 2025_SSN-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

OP-14



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.01819, std. dev. 0.01173, critical Tn 2.443

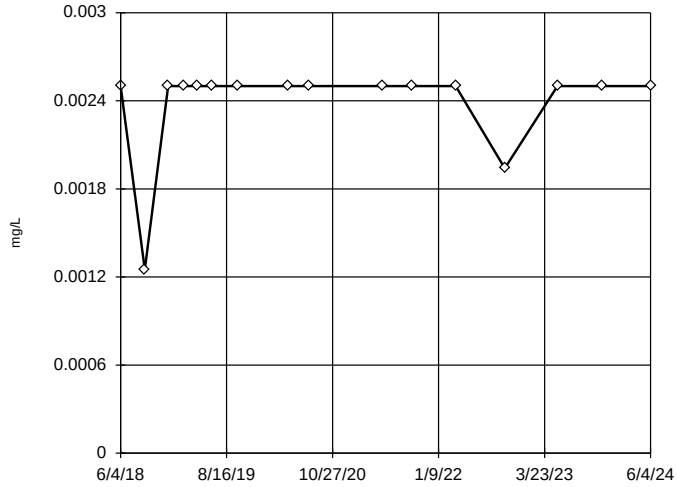
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9055
Critical = 0.844
The distribution was found to be normally distributed.

Constituent: Nickel Analysis Run 8/12/2025 3:18 PM View: 2025_SSN-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



n = 16

No statistical outliers.

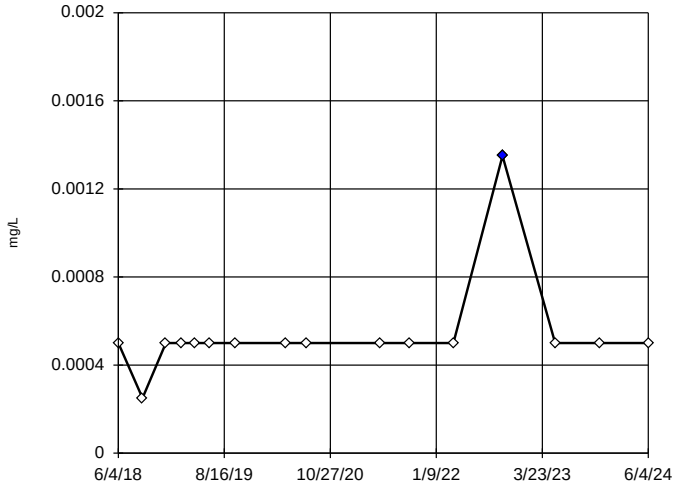
Constituent: Selenium Analysis Run 8/12/2025 3:19 PM View: 2025_SSN-OP-14_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



n = 16

Statistical outlier is drawn as solid.
Outlier per Ohio method.

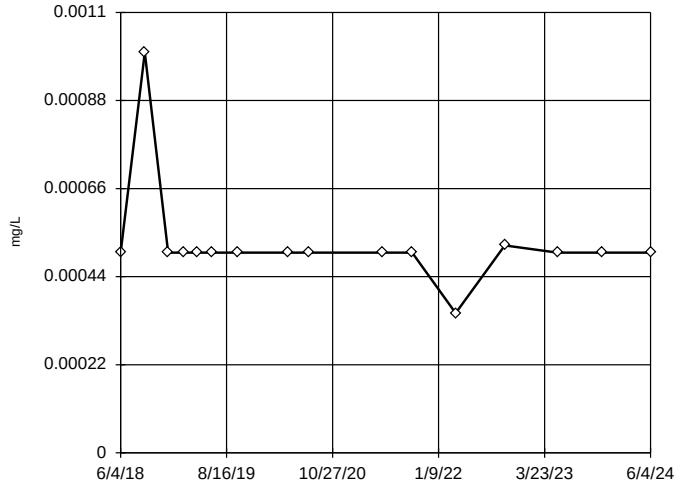
Constituent: Silver Analysis Run 8/12/2025 3:19 PM View: 2025_SSN-OP-14_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



n = 16

No statistical outliers.

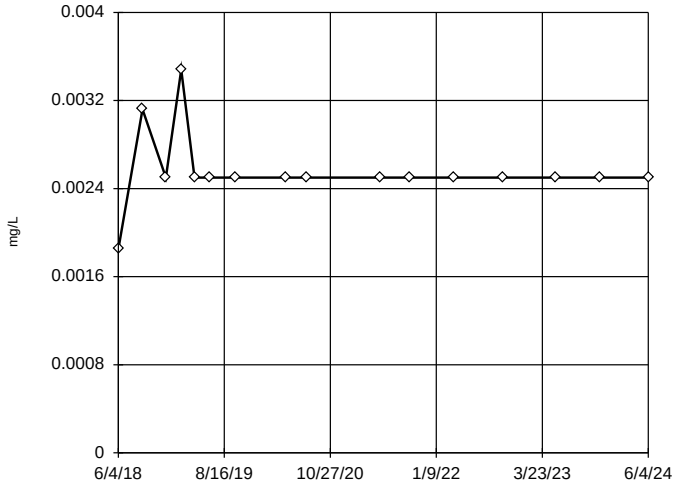
Constituent: Thallium Analysis Run 8/12/2025 3:19 PM View: 2025_SSN-OP-14_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



n = 16

No statistical outliers.

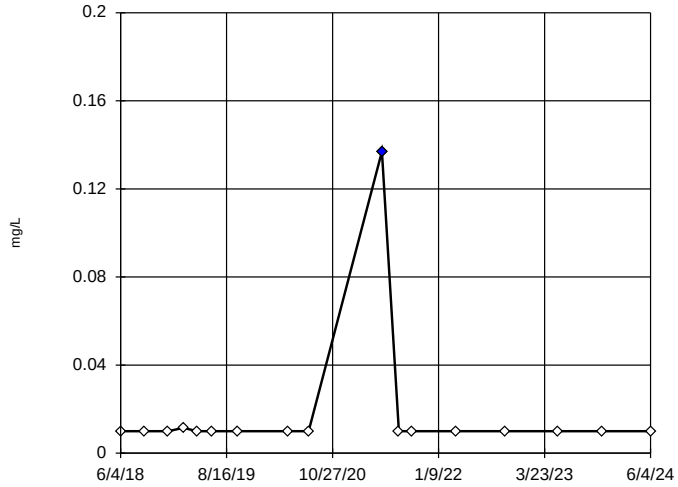
Constituent: Vanadium Analysis Run 8/12/2025 3:19 PM View: 2025_SSN-OP-14_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



n = 17

Statistical outlier is drawn as solid.
Outlier per Ohio method.

Constituent: Zinc Analysis Run 8/12/2025 3:19 PM View: 2025_SSN-OP-14_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

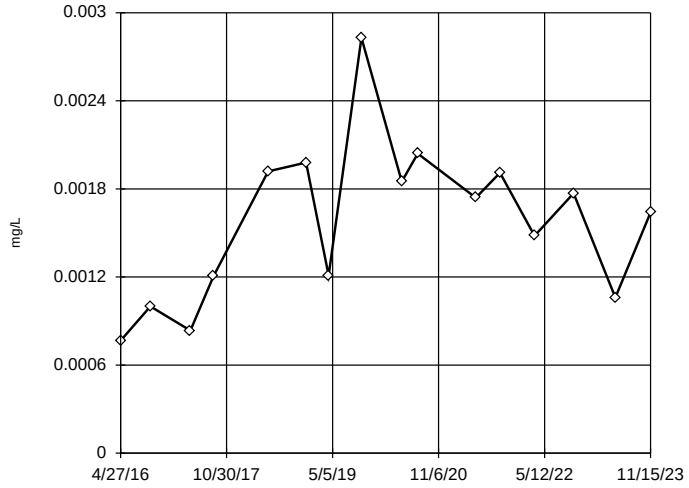
OP-19 BG Outlier Analysis

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 8/12/2025, 2:51 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Arsenic (mg/L)	OP-19	No	n/a	n/a	EPA/OH	0.05	16	0.001577	0.0005421	normal	ShapiroWilk
Barium (mg/L)	OP-19	No	n/a	n/a	EPA/OH	0.05	16	0.2315	0.02273	normal	ShapiroWilk
Cadmium (mg/L)	OP-19	No	n/a	n/a	EPA/OH	0.05	17	0.0002287	0.0001424	ln(x)	ShapiroWilk
Cobalt (mg/L)	OP-19	No	n/a	n/a	Dixon/OH	0.01	16	0.002748	0.0009824	normal	ShapiroWilk
Copper (mg/L)	OP-19	No	n/a	n/a	OH	NaN	16	0.002493	0.0003903	n/a	n/a
Lead (mg/L)	OP-19	No	n/a	n/a	NP (nrm)/OH	NaN	17	0.0002925	0.0001515	unknown	ShapiroWilk
Nickel (mg/L)	OP-19	No	n/a	n/a	EPA/OH	0.05	16	0.007573	0.0006788	normal	ShapiroWilk
Thallium (mg/L)	OP-19	No	n/a	n/a	OH	NaN	16	0.000442	0.0001585	n/a	n/a
Vanadium (mg/L)	OP-19	No	n/a	n/a	OH	NaN	16	0.002222	0.0006149	n/a	n/a

EPA Screening (suspected outliers for Dixon's Test)

OP-19



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.001577, std. dev. 0.0005421, critical Tn 2.443

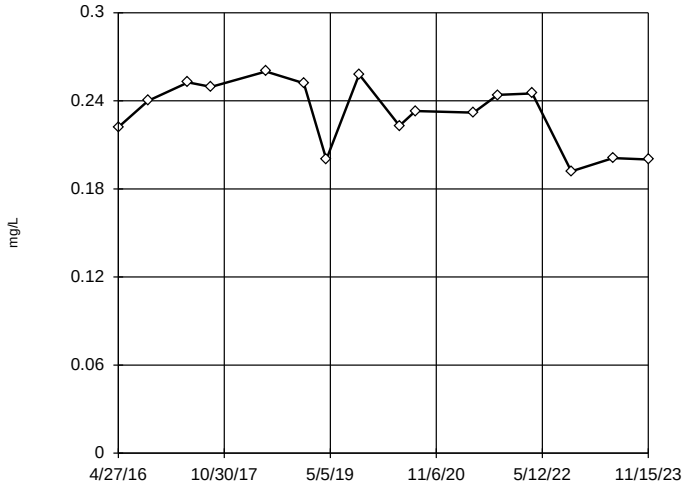
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9433
Critical = 0.844
The distribution was found to be normally distributed.

Constituent: Arsenic Analysis Run 8/12/2025 2:38 PM View: 2025_SSN-OP-19_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

OP-19



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.2315, std. dev. 0.02273, critical Tn 2.443

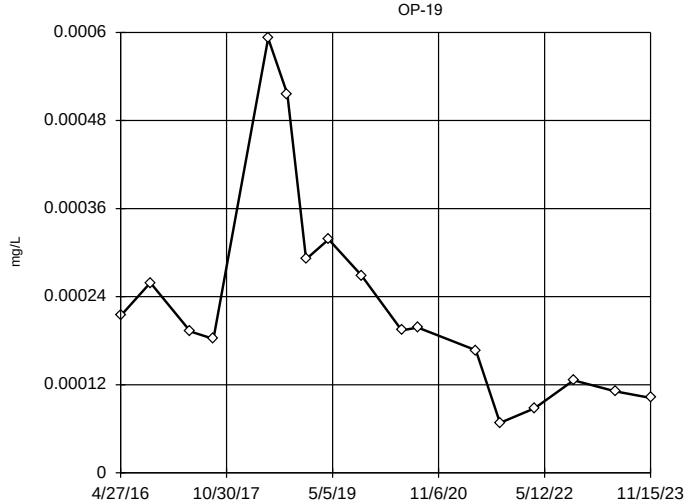
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9023
Critical = 0.844
The distribution was found to be normally distributed.

Constituent: Barium Analysis Run 8/12/2025 2:38 PM View: 2025_SSN-OP-19_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

OP-19



n = 17

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.0002287, std. dev. 0.0001424, critical Tn 2.475

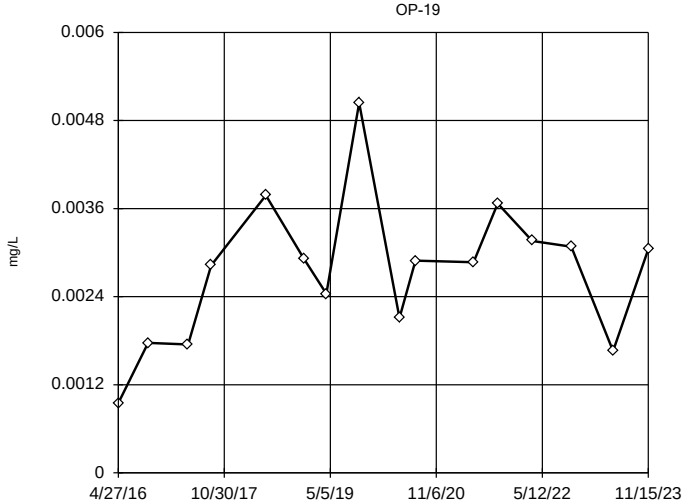
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9762
Critical = 0.851 (after natural log transformation)
The distribution was found to be log-normal.

Constituent: Cadmium Analysis Run 8/12/2025 2:38 PM View: 2025_SSN-OP-19_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

OP-19



n = 16

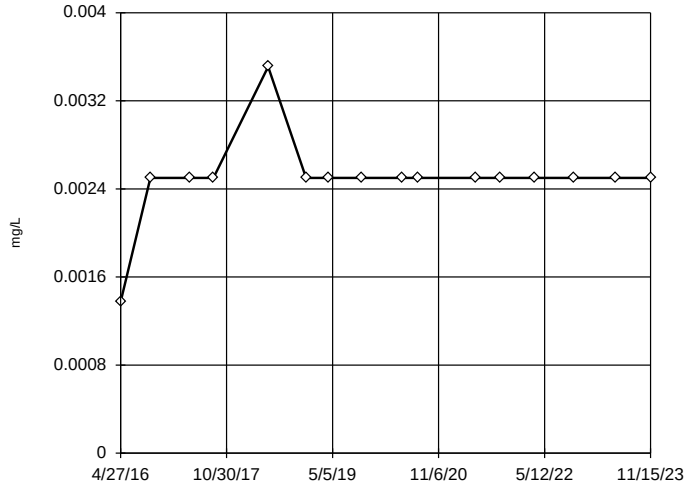
No statistical outliers.
Testing for 1 low outlier.
Mean = 0.002748.
Std. Dev. = 0.0009824.
0.0009505 (D): c = 0.294
tabl = 0.595.
Alpha = 0.01.

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9231
Critical = 0.835
The distribution was found to be normally distributed.

Constituent: Cobalt Analysis Run 8/12/2025 2:38 PM View: 2025_SSN-OP-19_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Ohio EPA 0715 Outlier Algorithm

OP-19



n = 16

No statistical outliers.

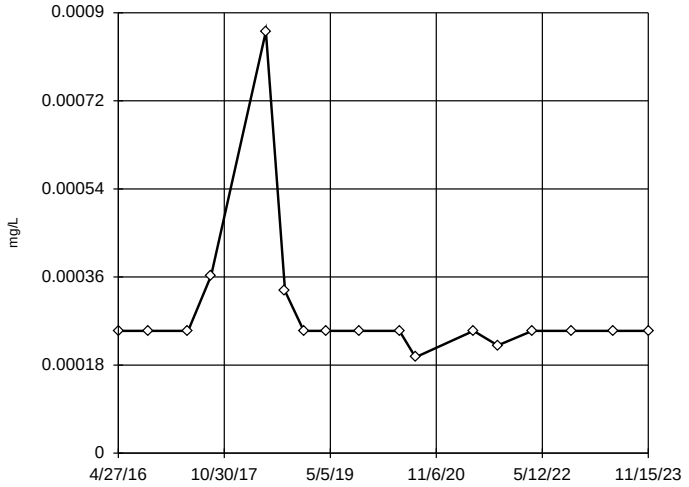
Constituent: Copper Analysis Run 8/12/2025 2:38 PM View: 2025_SSN-OP-19_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

OP-19



n = 17

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

The results were invalidated, because the lower and upper quartiles are equal.

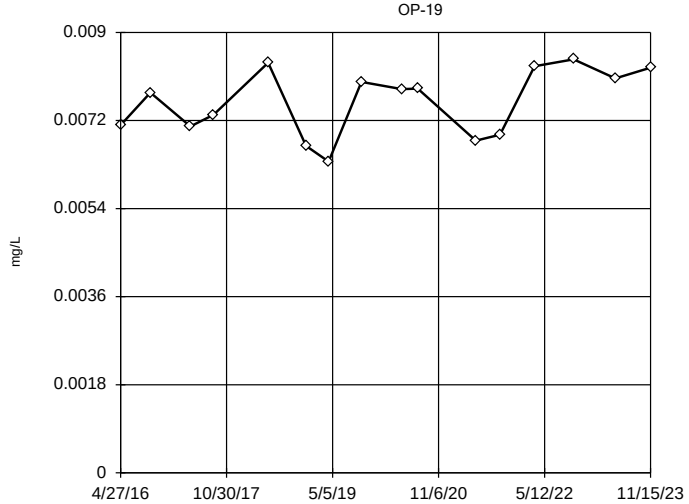
Constituent: Lead Analysis Run 8/12/2025 2:39 PM View: 2025_SSN-OP-19_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

OP-19



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.007573, std. dev. 0.0006788, critical Tn 2.443

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9252
Critical = 0.844
The distribution was found to be normally distributed.

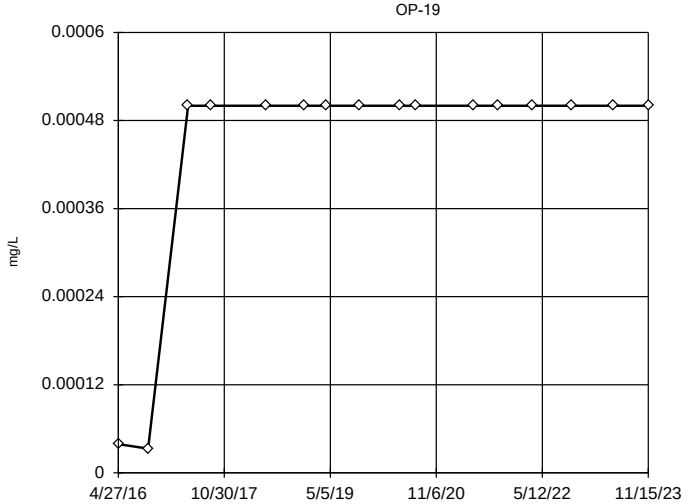
Constituent: Nickel Analysis Run 8/12/2025 2:39 PM View: 2025_SSN-OP-19_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-19



n = 16

No statistical outliers.

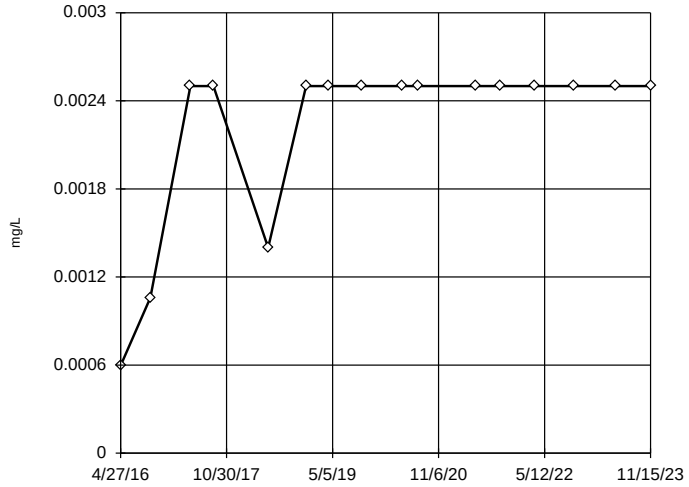
Constituent: Thallium Analysis Run 8/12/2025 2:39 PM View: 2025_SSN-OP-19_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-19



n = 16

No statistical outliers.

Constituent: Vanadium Analysis Run 8/12/2025 2:39 PM View: 2025_SSN-OP-19_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Prediction Limit Summary Table and Graphs

MW-41 Intra Prediction Limit

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 8/12/2025, 5:55 PM

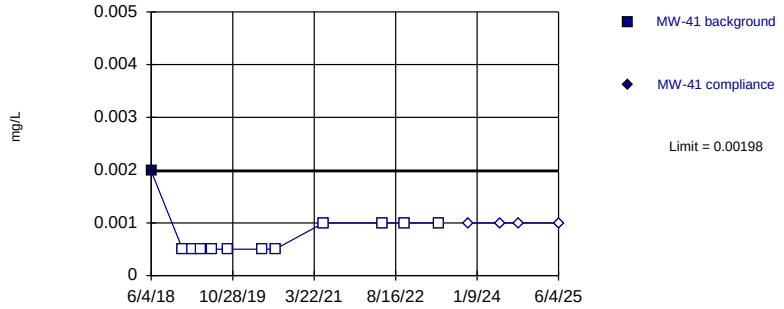
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-41	0.00198	n/a	6/4/2025	0.001ND	No	12	n/a	n/a	n/a	91.67	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	MW-41	0.006869	n/a	6/4/2025	0.00505	No	15	n/a	0.003289	0.001988	0	None	No	0.0005985	Param Intra 1 of 3
Barium (mg/L)	MW-41	0.2964	n/a	6/4/2025	0.204	No	12	n/a	0.1933	0.05361	0	None	No	0.0005985	Param Intra 1 of 3
Cadmium (mg/L)	MW-41	0.00025	n/a	6/4/2025	0.0001ND	No	12	n/a	n/a	n/a	83.33	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Chromium (mg/L)	MW-41	0.0028	n/a	6/4/2025	0.0025ND	No	12	n/a	n/a	n/a	91.67	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	MW-41	0.005654	n/a	6/4/2025	0.00121	No	12	n/a	0.002503	0.001638	0	None	No	0.0005985	Param Intra 1 of 3
Copper (mg/L)	**MW-41**	**0.00592**	**n/a**	**6/4/2025**	**0.0249**	**Yes**	**13**	**n/a**	**n/a**	**n/a**	**61.54**	**n/a**	**n/a**	**0.001886**	**NP Intra (NDs) 1 of 3**
Lead (mg/L)	MW-41	0.00146	n/a	6/4/2025	0.00025ND	No	12	n/a	n/a	n/a	50	n/a	n/a	0.002173	NP Intra (normality) 1 of 3
Nickel (mg/L)	MW-41	0.006213	n/a	6/4/2025	0.0025ND	No	12	n/a	-5.746	0.3458	16.67	Kaplan-Meier	ln(x)	0.0005985	Param Intra 1 of 3
Vanadium (mg/L)	MW-41	0.00451	n/a	6/4/2025	0.0025ND	No	12	n/a	n/a	n/a	58.33	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Zinc (mg/L)	**MW-41**	**0.0149**	**n/a**	**6/4/2025**	**0.0213**	**Yes**	**12**	**n/a**	**n/a**	**n/a**	**83.33**	**n/a**	**n/a**	**0.002173**	**NP Intra (NDs) 1 of 3**

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

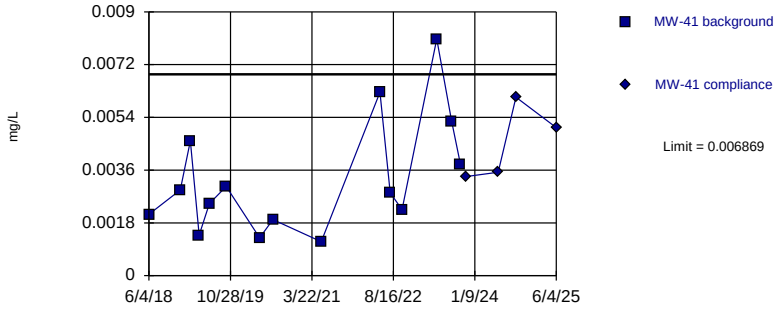
Constituent: Antimony Analysis Run 8/12/2025 5:53 PM View: 2025_SSN-MW-41_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.003289, Std. Dev.=0.001988, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8859, critical = 0.835. Kappa = 1.801 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

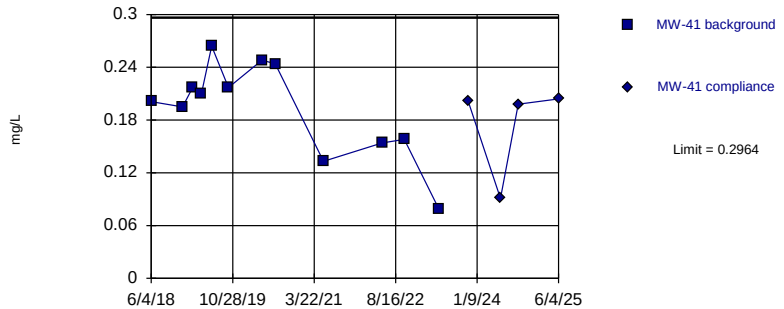
Constituent: Arsenic Analysis Run 8/12/2025 5:53 PM View: 2025_SSN-MW-41_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.1933, Std. Dev.=0.05361, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9416, critical = 0.805. Kappa = 1.923 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

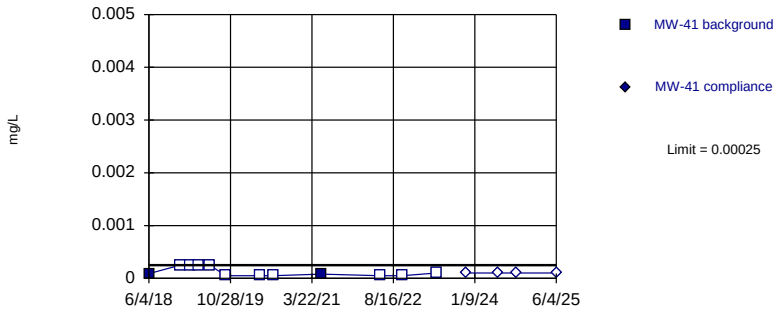
Constituent: Barium Analysis Run 8/12/2025 5:53 PM View: 2025_SSN-MW-41_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 12 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

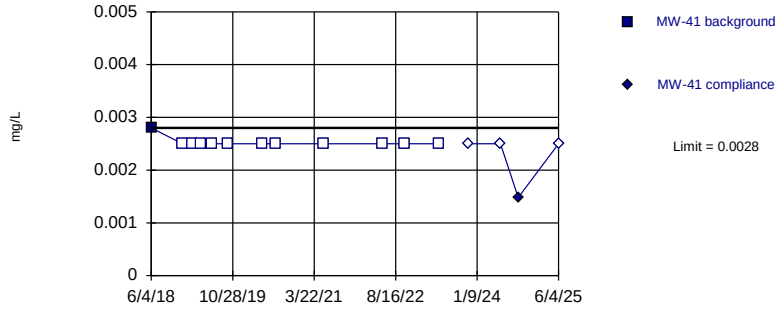
Constituent: Cadmium Analysis Run 8/12/2025 5:53 PM View: 2025_SSN-MW-41_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

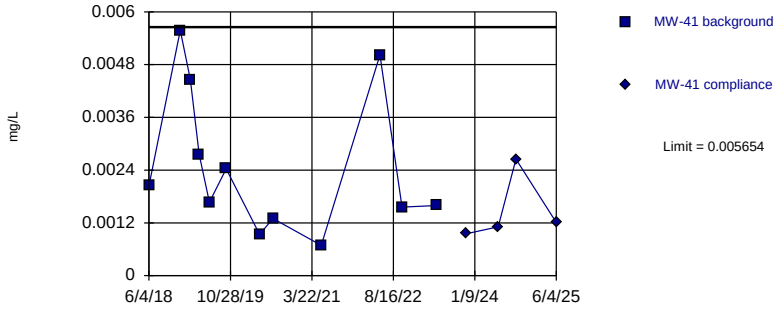
Constituent: Chromium Analysis Run 8/12/2025 5:53 PM View: 2025_SSN-MW-41_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.002503, Std. Dev.=0.001638, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8659, critical = 0.805. Kappa = 1.923 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

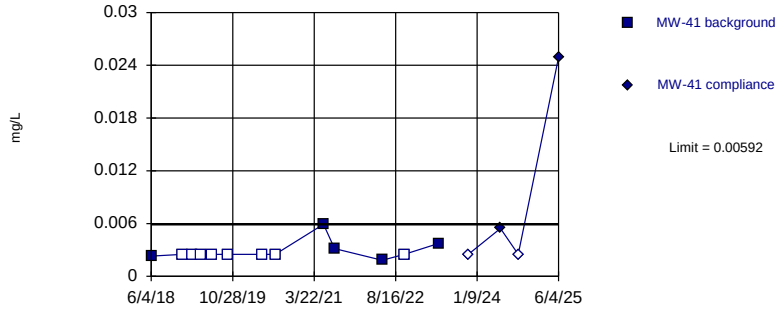
Constituent: Cobalt Analysis Run 8/12/2025 5:53 PM View: 2025_SSN-MW-41_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 13 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.003769. Individual comparison alpha = 0.001886 (1 of 3).

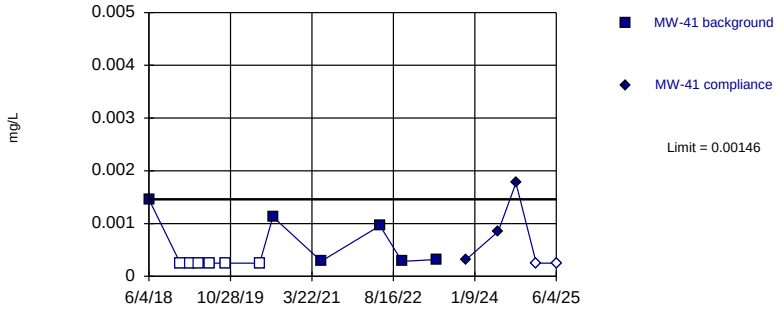
Constituent: Copper Analysis Run 8/12/2025 5:53 PM View: 2025_SSN-MW-41_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 12 background values. 50% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

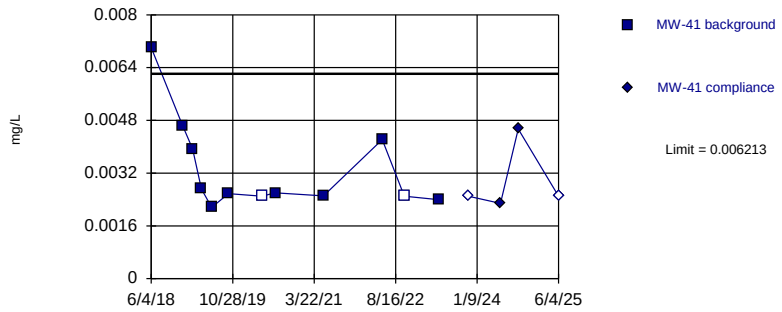
Constituent: Lead Analysis Run 8/12/2025 5:53 PM View: 2025_SSN-MW-41_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.746, Std. Dev.=0.3458, n=12, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8152, critical = 0.805. Kappa = 1.923 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

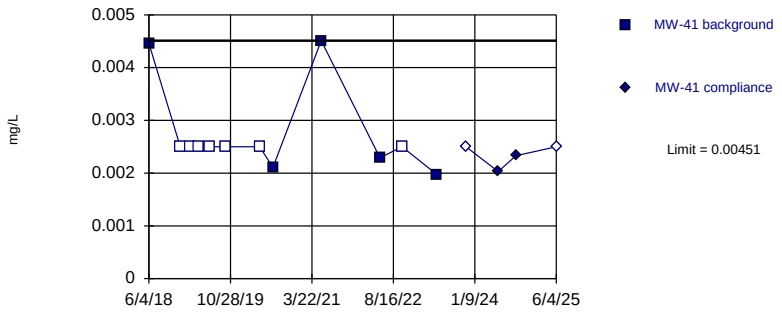
Constituent: Nickel Analysis Run 8/12/2025 5:53 PM View: 2025_SSN-MW-41_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 12 background values. 58.33% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

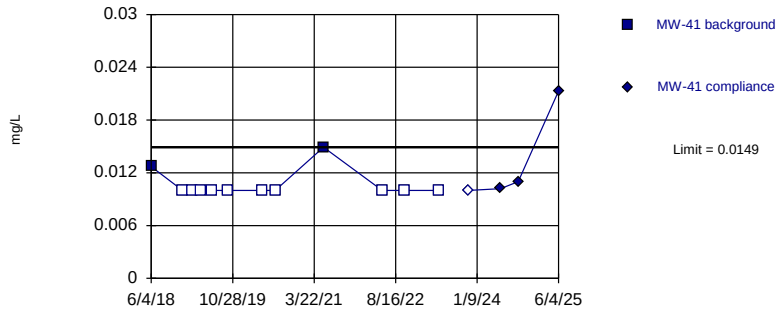
Constituent: Vanadium Analysis Run 8/12/2025 5:53 PM View: 2025_SSN-MW-41_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 12 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Zinc Analysis Run 8/12/2025 5:53 PM View: 2025_SSN-MW-41_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

MW-42 Intra Prediction Limit

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 8/12/2025, 5:29 PM

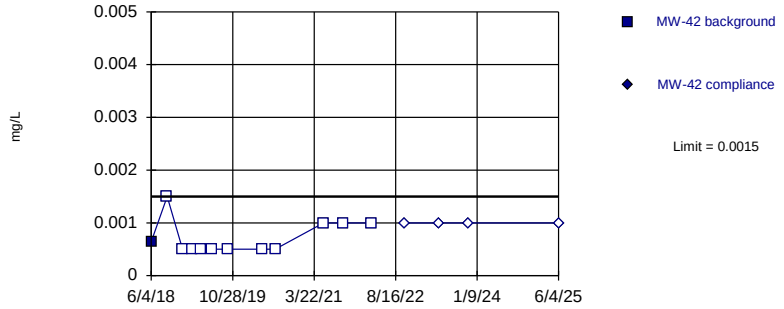
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-42	0.0015	n/a	6/4/2025	0.001ND	No	12	n/a	n/a	n/a	91.67	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	MW-42	0.06183	n/a	6/4/2025	0.01387J	No	13	n/a	0.02866	0.01762	0	None	No	0.0005985	Param Intra 1 of 3
Barium (mg/L)	MW-42	0.4406	n/a	6/4/2025	0.22	No	13	n/a	0.3403	0.05328	0	None	No	0.0005985	Param Intra 1 of 3
Cadmium (mg/L)	MW-42	0.00025	n/a	6/4/2025	0.0001ND	No	12	n/a	n/a	n/a	83.33	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Chromium (mg/L)	MW-42	0.00543	n/a	6/4/2025	0.0025ND	No	12	n/a	n/a	n/a	75	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	MW-42	0.002429	n/a	6/4/2025	0.002024	No	12	n/a	0.001225	0.000626	0	None	No	0.0005985	Param Intra 1 of 3
Copper (mg/L)	MW-42	0.00287	n/a	6/4/2025	0.0025ND	No	12	n/a	n/a	n/a	75	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Lead (mg/L)	MW-42	0.001683	n/a	6/4/2025	0.0003395J	No	12	n/a	0.02563	0.008002	41.67	Kaplan-Meier	sqrt(x)	0.0005985	Param Intra 1 of 3
Nickel (mg/L)	MW-42	0.00884	n/a	6/4/2025	0.00345J	No	12	n/a	n/a	n/a	50	n/a	n/a	0.002173	NP Intra (normality) 1 of 3
Vanadium (mg/L)	MW-42	0.005573	n/a	6/4/2025	0.0025ND	No	12	n/a	0.002659	0.001515	50	Kaplan-Meier	No	0.0005985	Param Intra 1 of 3
Zinc (mg/L)	MW-42	0.0127	n/a	6/4/2025	0.01ND	No	12	n/a	n/a	n/a	83.33	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

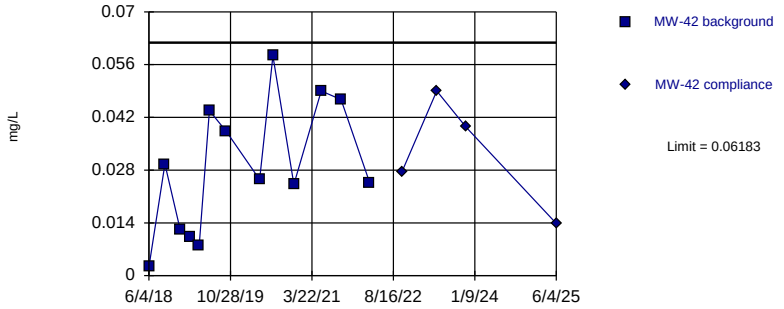
Constituent: Antimony Analysis Run 8/12/2025 5:27 PM View: 2025_SSN-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02866, Std. Dev.=0.01762, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9566, critical = 0.814. Kappa = 1.882 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

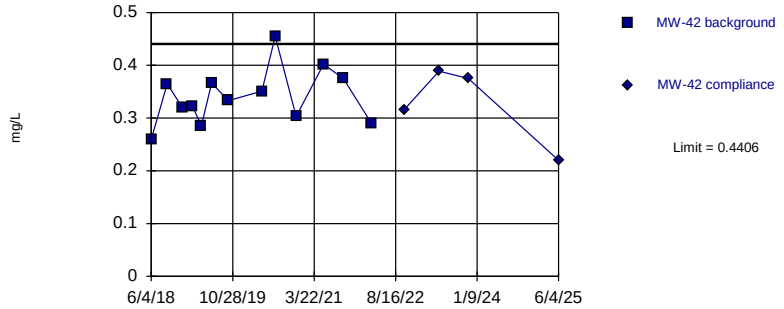
Constituent: Arsenic Analysis Run 8/12/2025 5:27 PM View: 2025_SSN-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.3403, Std. Dev.=0.05328, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9713, critical = 0.814. Kappa = 1.882 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

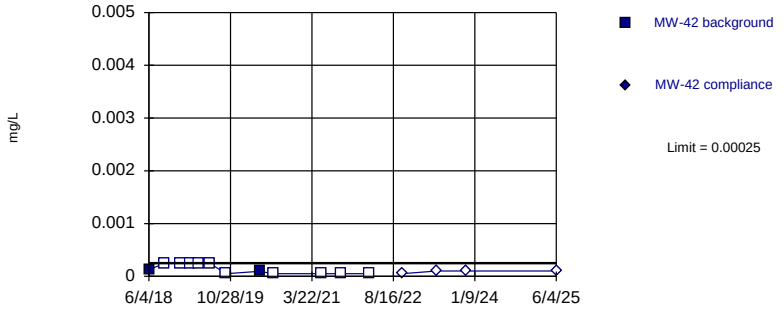
Constituent: Barium Analysis Run 8/12/2025 5:27 PM View: 2025_SSN-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 12 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

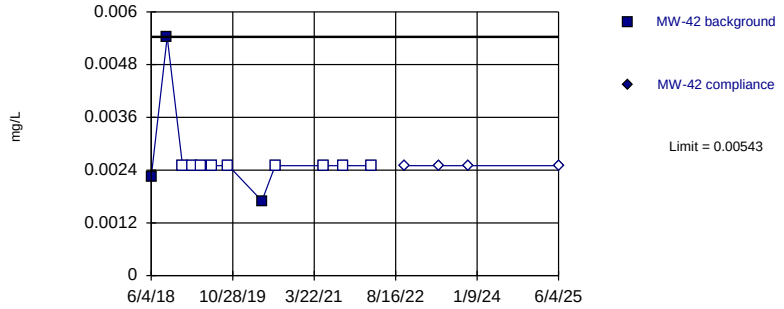
Constituent: Cadmium Analysis Run 8/12/2025 5:27 PM View: 2025_SSN-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 12 background values. 75% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

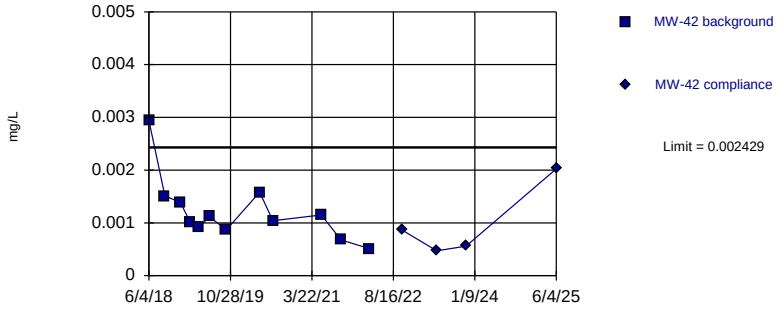
Constituent: Chromium Analysis Run 8/12/2025 5:27 PM View: 2025_SSN-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001225, Std. Dev.=0.000626, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8136, critical = 0.805. Kappa = 1.923 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

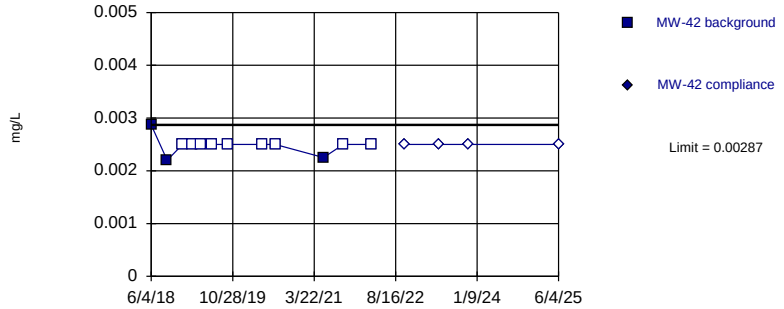
Constituent: Cobalt Analysis Run 8/12/2025 5:27 PM View: 2025_SSN-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 12 background values. 75% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

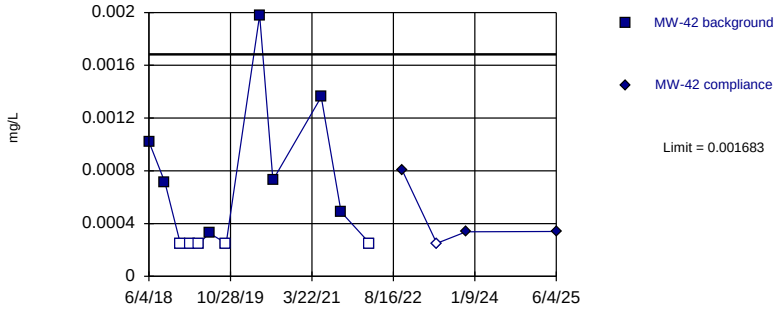
Constituent: Copper Analysis Run 8/12/2025 5:27 PM View: 2025_SSN-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.02563, Std. Dev.=0.008002, n=12, 41.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8317, critical = 0.805. Kappa = 1.923 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

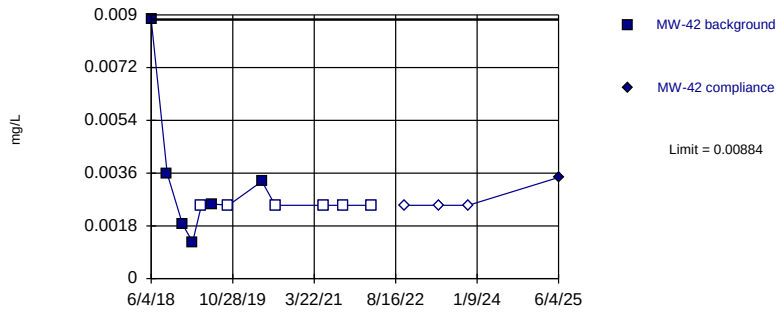
Constituent: Lead Analysis Run 8/12/2025 5:27 PM View: 2025_SSN-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 12 background values. 50% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

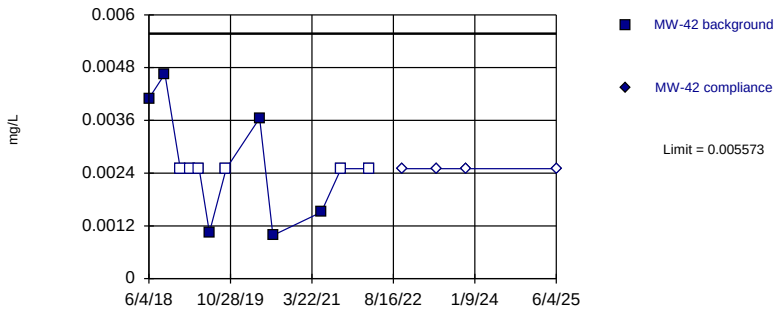
Constituent: Nickel Analysis Run 8/12/2025 5:28 PM View: 2025_SSN-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002659, Std. Dev.=0.001515, n=12, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.899, critical = 0.805. Kappa = 1.923 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

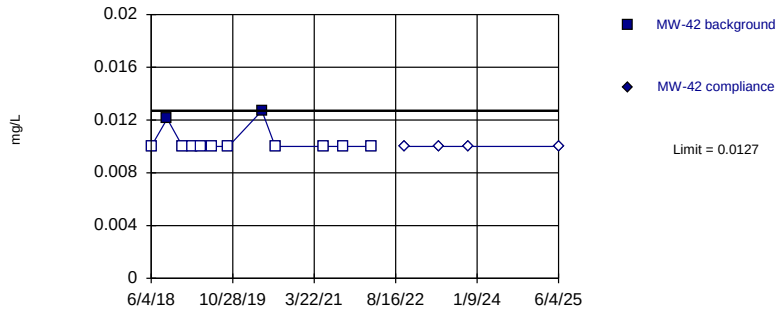
Constituent: Vanadium Analysis Run 8/12/2025 5:28 PM View: 2025_SSN-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 12 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Zinc Analysis Run 8/12/2025 5:28 PM View: 2025_SSN-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

MW-43 Intra Prediction Limit

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 8/12/2025, 5:06 PM

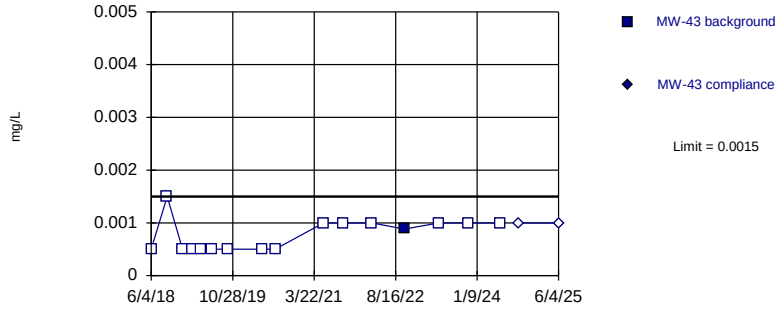
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-43	0.0015	n/a	6/4/2025	0.001ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	MW-43	0.003055	n/a	6/4/2025	0.00125J	No	16	n/a	0.1128	0.01815	12.5	None	x^(1/3)	0.0005486	Param Intra 1 of 3
Barium (mg/L)	MW-43	0.2665	n/a	6/4/2025	0.15	No	16	n/a	0.1408	0.07066	0	None	No	0.0005486	Param Intra 1 of 3
Cadmium (mg/L)	MW-43	0.00025	n/a	6/4/2025	0.0001ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Chromium (mg/L)	MW-43	0.00574	n/a	6/4/2025	0.0025ND	No	17	n/a	n/a	n/a	76.47	n/a	n/a	0.0009102	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	MW-43	0.002181	n/a	6/4/2025	0.000767	No	16	n/a	0.00107	0.0006244	6.25	None	No	0.0005486	Param Intra 1 of 3
Copper (mg/L)	MW-43	0.00521	n/a	6/4/2025	0.0025ND	No	17	n/a	n/a	n/a	52.94	n/a	n/a	0.0009102	NP Intra (NDs) 1 of 3
Lead (mg/L)	MW-43	0.000887	n/a	6/4/2025	0.00025ND	No	17	n/a	n/a	n/a	58.82	n/a	n/a	0.0009102	NP Intra (NDs) 1 of 3
Nickel (mg/L)	MW-43	0.0039	n/a	6/4/2025	0.0025ND	No	16	n/a	n/a	n/a	56.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	MW-43	0.0025	n/a	6/4/2025	0.0025ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	MW-43	0.00564	n/a	6/4/2025	0.0025ND	No	17	n/a	n/a	n/a	58.82	n/a	n/a	0.0009102	NP Intra (NDs) 1 of 3
Zinc (mg/L)	MW-43	0.01685	n/a	6/4/2025	0.01ND	No	16	n/a	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

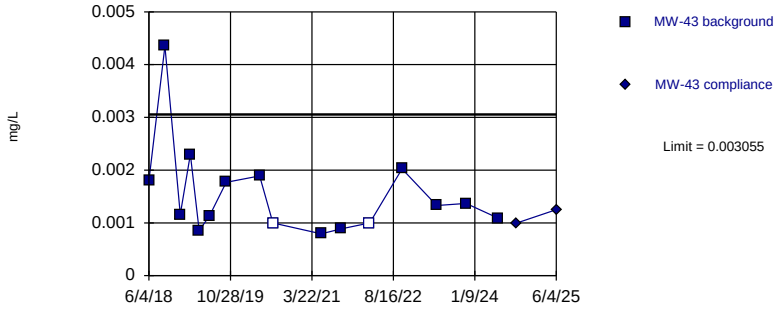
Constituent: Antimony Analysis Run 8/12/2025 5:04 PM View: 2025_SSN-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=0.1128, Std. Dev.=0.01815, n=16, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8718, critical = 0.844. Kappa = 1.78 (c=12, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005486.

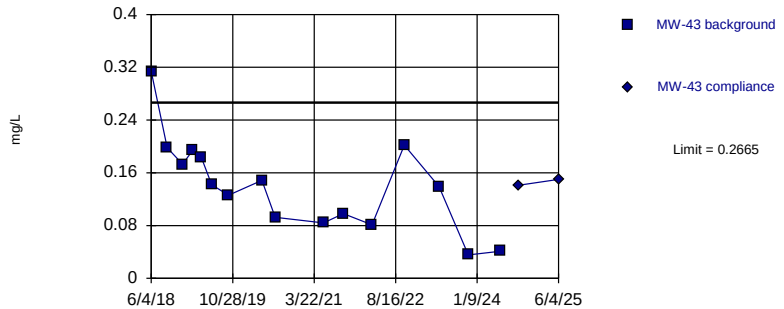
Constituent: Arsenic Analysis Run 8/12/2025 5:04 PM View: 2025_SSN-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.1408, Std. Dev.=0.07066, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9484, critical = 0.844. Kappa = 1.78 (c=12, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005486.

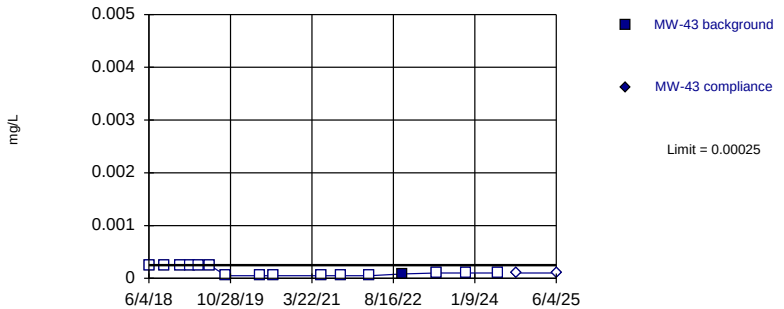
Constituent: Barium Analysis Run 8/12/2025 5:04 PM View: 2025_SSN-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

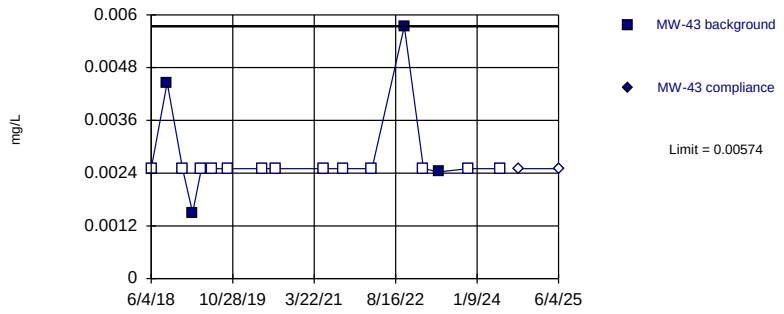
Constituent: Cadmium Analysis Run 8/12/2025 5:04 PM View: 2025_SSN-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 76.47% NDs. Well-constituent pair annual alpha = 0.00182. Individual comparison alpha = 0.0009102 (1 of 3).

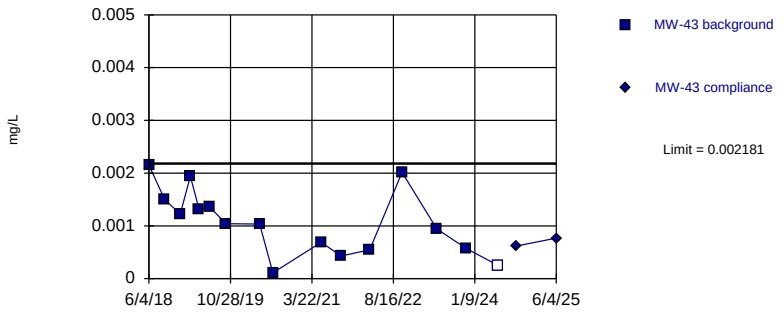
Constituent: Chromium Analysis Run 8/12/2025 5:04 PM View: 2025_SSN-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.00107, Std. Dev.=0.0006244, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9599, critical = 0.844. Kappa = 1.78 (c=12, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005486.

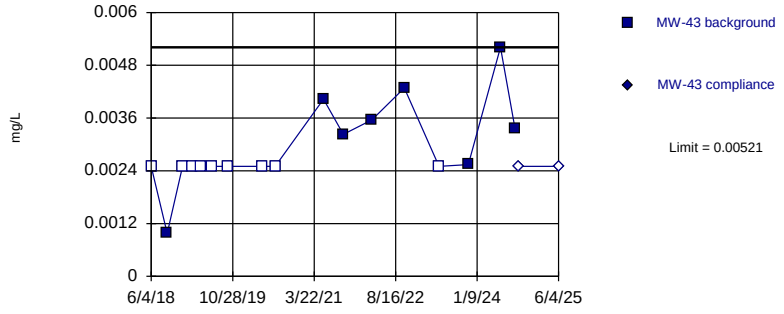
Constituent: Cobalt Analysis Run 8/12/2025 5:04 PM View: 2025_SSN-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 52.94% NDs. Well-constituent pair annual alpha = 0.00182. Individual comparison alpha = 0.0009102 (1 of 3).

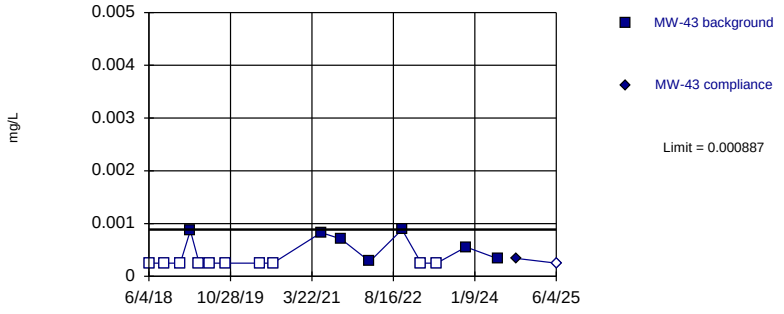
Constituent: Copper Analysis Run 8/12/2025 5:04 PM View: 2025_SSN-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 58.82% NDs. Well-constituent pair annual alpha = 0.00182. Individual comparison alpha = 0.0009102 (1 of 3).

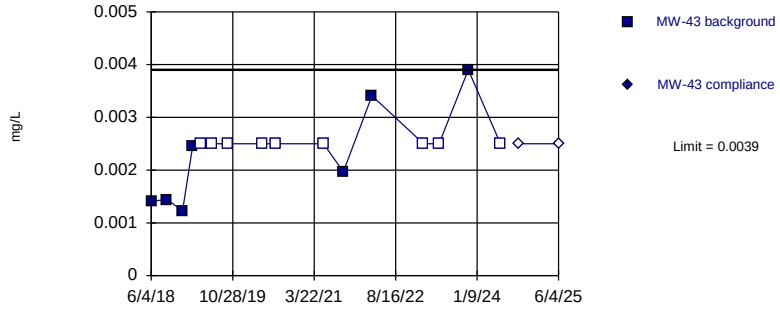
Constituent: Lead Analysis Run 8/12/2025 5:04 PM View: 2025_SSN-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 56.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

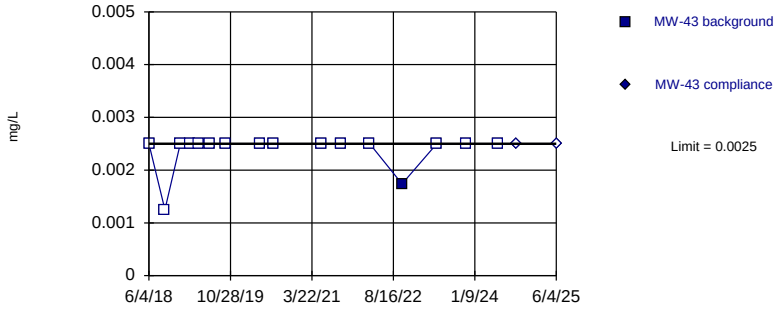
Constituent: Nickel Analysis Run 8/12/2025 5:04 PM View: 2025_SSN-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

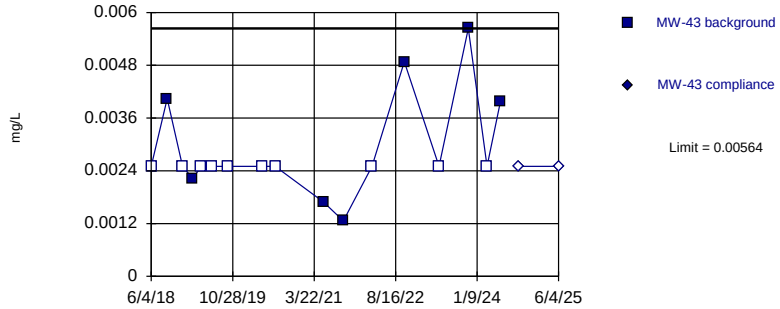
Constituent: Selenium Analysis Run 8/12/2025 5:04 PM View: 2025_SSN-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 58.82% NDs. Well-constituent pair annual alpha = 0.00182. Individual comparison alpha = 0.0009102 (1 of 3).

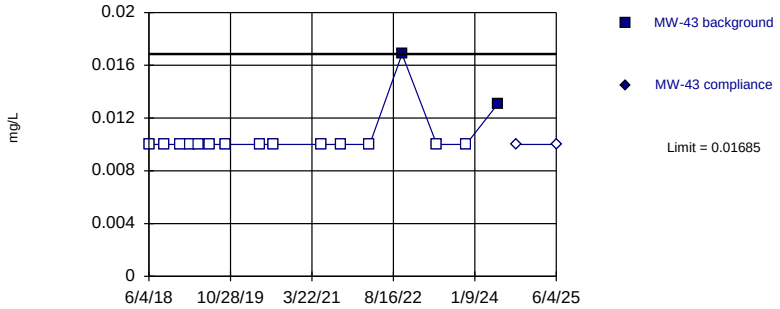
Constituent: Vanadium Analysis Run 8/12/2025 5:04 PM View: 2025_SSN-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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: Zinc Analysis Run 8/12/2025 5:04 PM View: 2025_SSN-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

MW-48 Intra Prediction Limit

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 8/12/2025, 4:15 PM

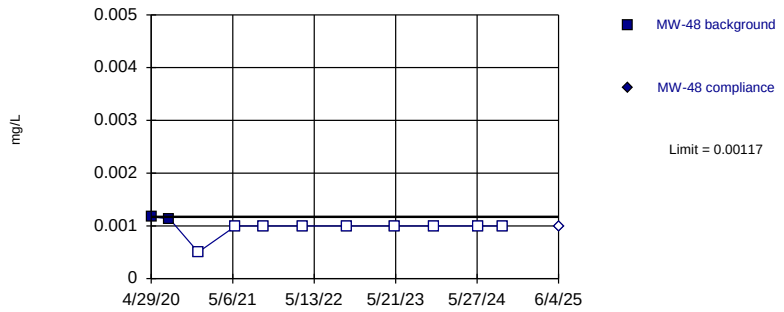
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-48	0.00117	n/a	6/4/2025	0.001ND	No	11	n/a	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	MW-48	0.001282	n/a	6/4/2025	0.000679J	No	11	n/a	0.0009498	0.0001659	9.091	None	No	0.0005985	Param Intra 1 of 3
Barium (mg/L)	MW-48	0.103	n/a	6/4/2025	0.101	No	12	n/a	0.08778	0.007907	0	None	No	0.0005985	Param Intra 1 of 3
Cadmium (mg/L)	MW-48	0.000119	n/a	6/4/2025	0.0001ND	No	11	n/a	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	MW-48	0.004938	n/a	6/4/2025	0.0025ND	No	11	n/a	0.002709	0.001114	18.18	Kaplan-Meier	No	0.0005985	Param Intra 1 of 3
Cobalt (mg/L)	MW-48	0.00517	n/a	6/4/2025	0.000357J	No	11	n/a	n/a	n/a	18.18	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Copper (mg/L)	**MW-48**	**0.006675**	**n/a**	**6/4/2025**	**0.00774**	**Yes**	**11**	**n/a**	**0.00388**	**0.001397**	**0**	**None**	**No**	**0.0005985**	**Param Intra 1 of 3**
Lead (mg/L)	MW-48	0.00129	n/a	6/4/2025	0.00025ND	No	11	n/a	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Nickel (mg/L)	MW-48	0.01544	n/a	6/4/2025	0.0119	No	11	n/a	0.1815	0.03374	0	None	x^(1/3)	0.0005985	Param Intra 1 of 3
Selenium (mg/L)	MW-48	0.0025	n/a	6/4/2025	0.0025ND	No	11	n/a	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	MW-48	0.004441	n/a	6/4/2025	0.0025ND	No	11	n/a	0.04812	0.009264	9.091	None	sqrt(x)	0.0005985	Param Intra 1 of 3

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

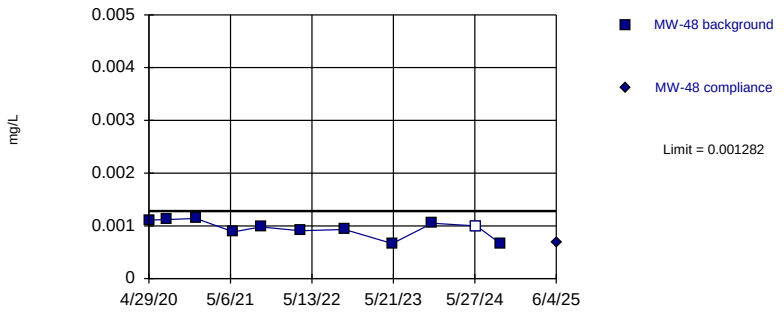
Constituent: Antimony Analysis Run 8/12/2025 4:13 PM View: 2025_SSN-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.0009498, Std. Dev.=0.0001659, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8909, critical = 0.792. Kappa = 2 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

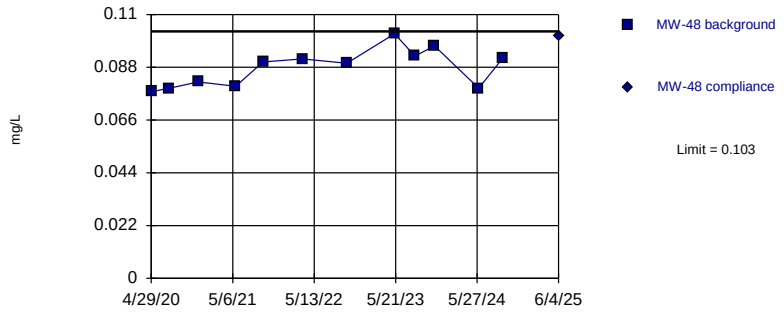
Constituent: Arsenic Analysis Run 8/12/2025 4:13 PM View: 2025_SSN-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.08778, Std. Dev.=0.007907, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9112, critical = 0.805. Kappa = 1.923 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

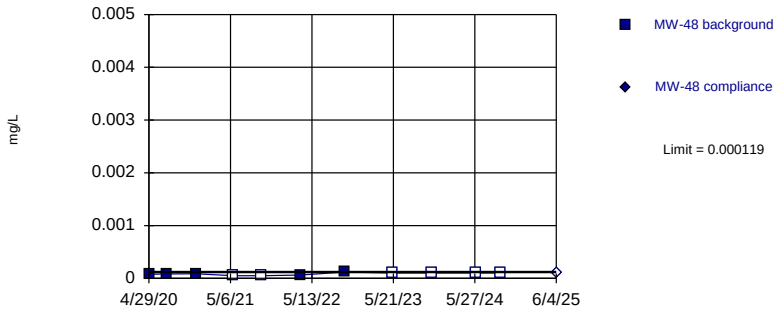
Constituent: Barium Analysis Run 8/12/2025 4:13 PM View: 2025_SSN-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

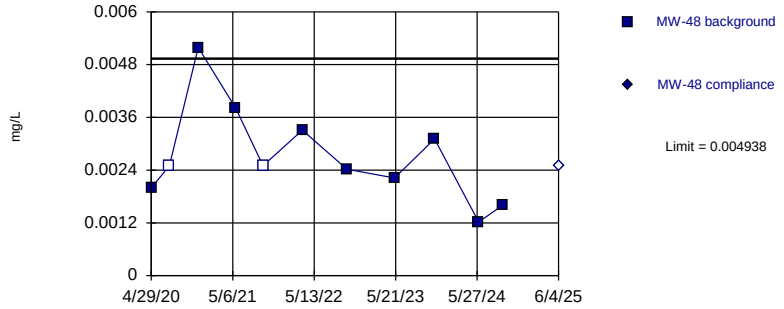
Constituent: Cadmium Analysis Run 8/12/2025 4:13 PM View: 2025_SSN-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002709, Std. Dev.=0.001114, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9355, critical = 0.792. Kappa = 2 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

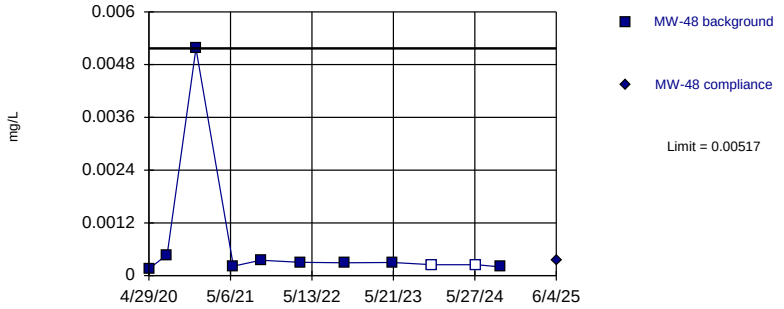
Constituent: Chromium Analysis Run 8/12/2025 4:13 PM View: 2025_SSN-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 18.18% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

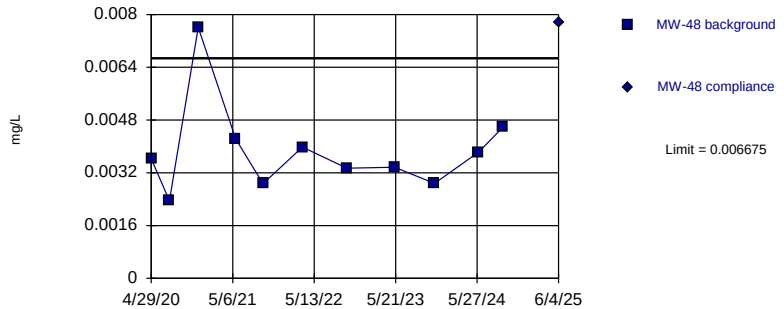
Constituent: Cobalt Analysis Run 8/12/2025 4:13 PM View: 2025_SSN-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.00388, Std. Dev.=0.001397, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7969, critical = 0.792. Kappa = 2 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

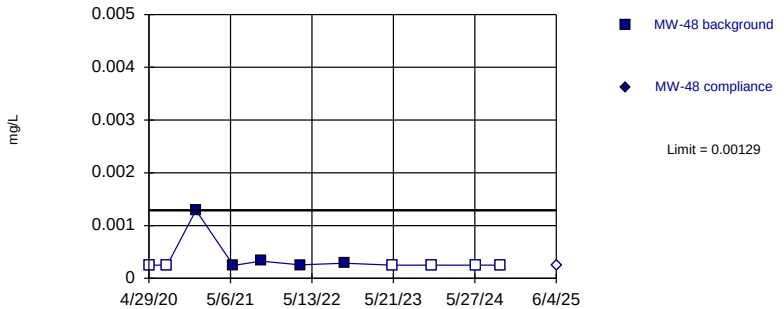
Constituent: Copper Analysis Run 8/12/2025 4:13 PM View: 2025_SSN-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

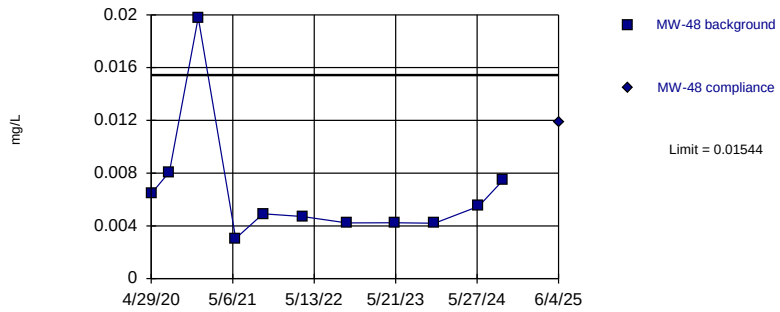
Constituent: Lead Analysis Run 8/12/2025 4:13 PM View: 2025_SSN-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=0.1815, Std. Dev.=0.03374, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7942, critical = 0.792. Kappa = 2 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

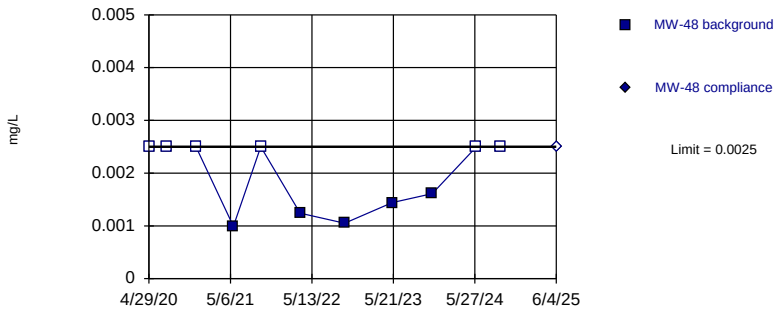
Constituent: Nickel Analysis Run 8/12/2025 4:13 PM View: 2025_SSN-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

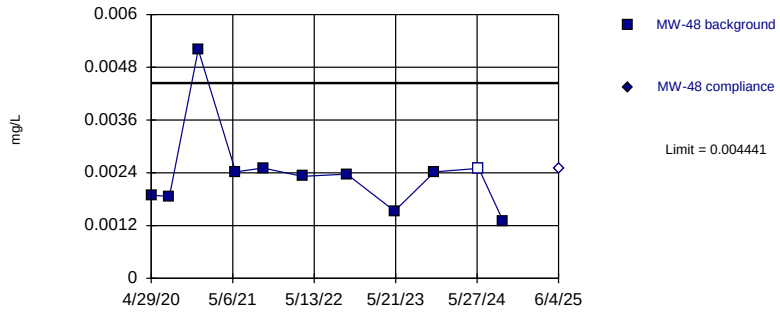
Constituent: Selenium Analysis Run 8/12/2025 4:13 PM View: 2025_SSN-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.04812, Std. Dev.=0.009264, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8038, critical = 0.792. Kappa = 2 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

Constituent: Vanadium Analysis Run 8/12/2025 4:13 PM View: 2025_SSN-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

MW-117 Intra Prediction Limit

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 8/12/2025, 1:36 PM

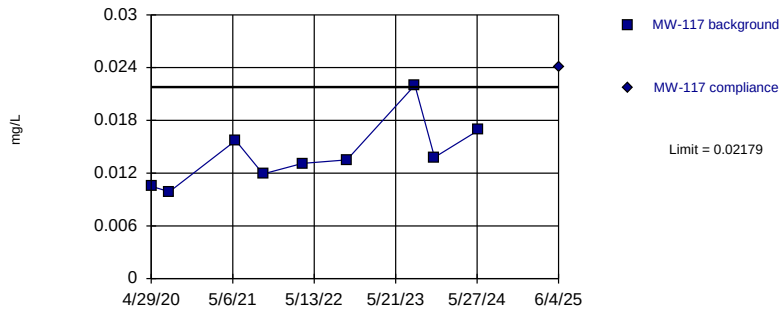
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**MW-117**	**0.02179**	**n/a**	**6/4/2025**	**0.024**	**Yes**	**9**	**n/a**	**0.01414**	**0.003706**	**0**	**None**	**No**	**0.0008228**	**Param Intra 1 of 3**
Barium (mg/L)	MW-117	0.5903	n/a	6/4/2025	0.371	No	9	n/a	0.4442	0.07075	0	None	No	0.0008228	Param Intra 1 of 3
Cobalt (mg/L)	MW-117	0.01832	n/a	6/4/2025	0.0165	No	9	n/a	0.006918	0.005522	0	None	No	0.0008228	Param Intra 1 of 3
Copper (mg/L)	MW-117	0.00342	n/a	6/4/2025	0.0025ND	No	9	n/a	n/a	n/a	88.89	n/a	n/a	0.004675	NP Intra (NDs) 1 of 3
Lead (mg/L)	**MW-117**	**0.000252**	**n/a**	**6/4/2025**	**0.000509**	**Yes**	**9**	**n/a**	**n/a**	**n/a**	**88.89**	**n/a**	**n/a**	**0.004675**	**NP Intra (NDs) 1 of 3**
Nickel (mg/L)	MW-117	0.01228	n/a	6/4/2025	0.0114	No	9	n/a	0.005481	0.003294	33.33	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Silver (mg/L)	MW-117	0.0005	n/a	6/4/2025	0.0005ND	No	9	n/a	n/a	n/a	88.89	n/a	n/a	0.004675	NP Intra (NDs) 1 of 3
Zinc (mg/L)	**MW-117**	**0.0112**	**n/a**	**6/4/2025**	**0.0799**	**Yes**	**9**	**n/a**	**n/a**	**n/a**	**88.89**	**n/a**	**n/a**	**0.004675**	**NP Intra (NDs) 1 of 3**

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01414, Std. Dev.=0.003706, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9157, critical = 0.764. Kappa = 2.064 (c=8, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

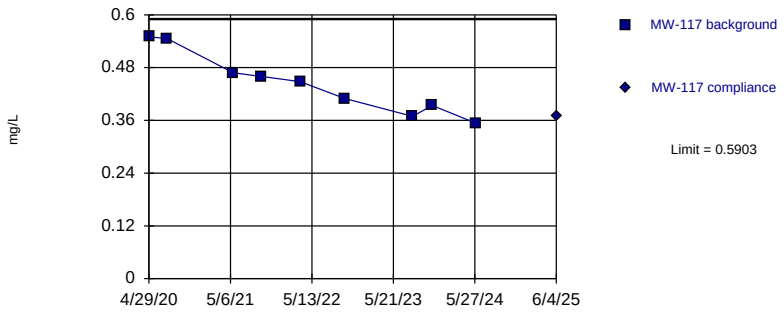
Constituent: Arsenic Analysis Run 8/12/2025 1:30 PM View: 2025_SSN-MW-117_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.4442, Std. Dev.=0.07075, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9279, critical = 0.764. Kappa = 2.064 (c=8, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

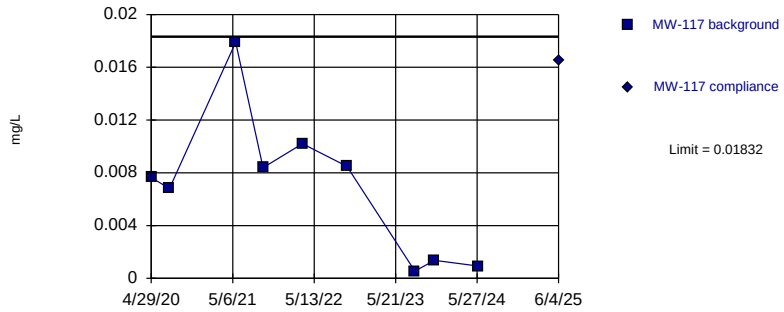
Constituent: Barium Analysis Run 8/12/2025 1:30 PM View: 2025_SSN-MW-117_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.006918, Std. Dev.=0.005522, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8963, critical = 0.764. Kappa = 2.064 (c=8, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

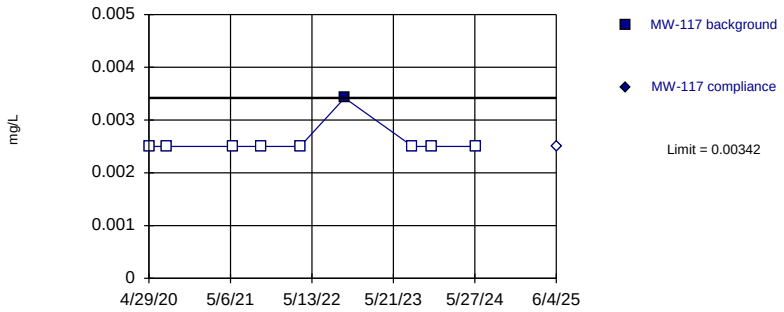
Constituent: Cobalt Analysis Run 8/12/2025 1:30 PM View: 2025_SSN-MW-117_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 9 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

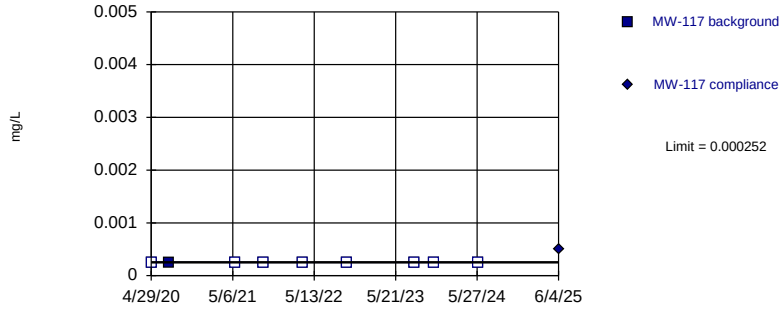
Constituent: Copper Analysis Run 8/12/2025 1:30 PM View: 2025_SSN-MW-117_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 9 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

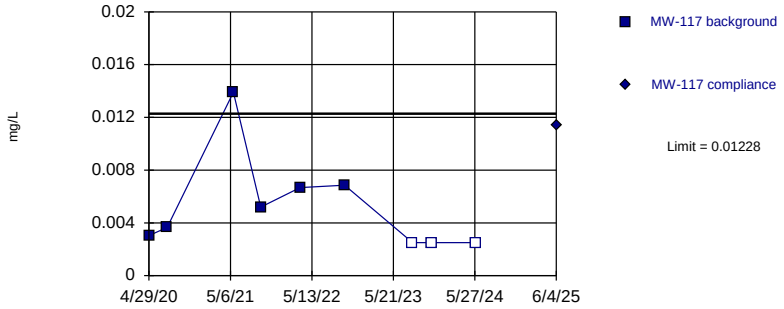
Constituent: Lead Analysis Run 8/12/2025 1:30 PM View: 2025_SSN-MW-117_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.005481, Std. Dev.=0.003294, n=9, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.765, critical = 0.764. Kappa = 2.064 (c=8, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

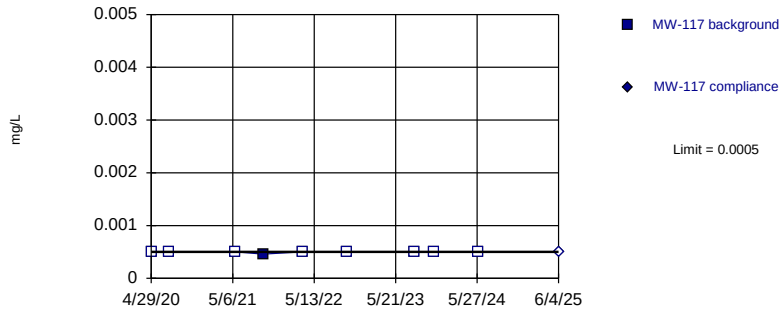
Constituent: Nickel Analysis Run 8/12/2025 1:30 PM View: 2025_SSN-MW-117_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 9 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

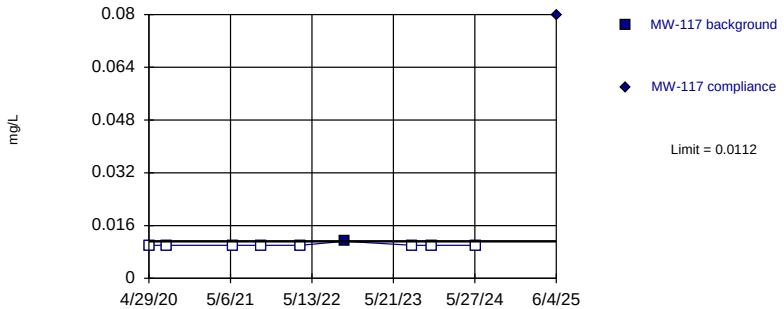
Constituent: Silver Analysis Run 8/12/2025 1:30 PM View: 2025_SSN-MW-117_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 9 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Constituent: Zinc Analysis Run 8/12/2025 1:30 PM View: 2025_SSN-MW-117_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

OP-14 Intra Prediction Limit

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 8/12/2025, 3:33 PM

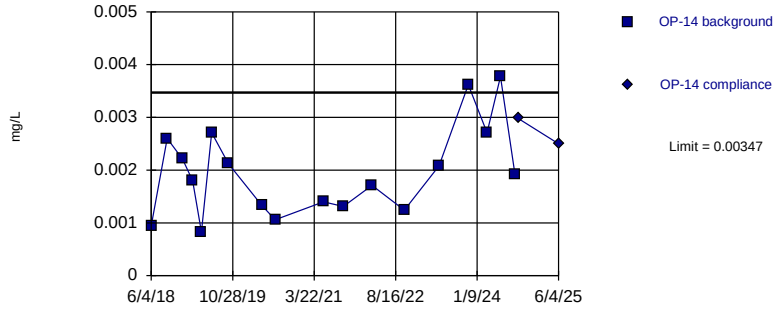
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	OP-14	0.00347	n/a	6/4/2025	0.0025	No	18	n/a	0.001964	0.0008597	0	None	No	0.0005064	Param Intra 1 of 3
Barium (mg/L)	OP-14	0.3115	n/a	6/4/2025	0.0844	No	16	n/a	0.1787	0.07377	0	None	No	0.0005064	Param Intra 1 of 3
Cadmium (mg/L)	OP-14	0.000426	n/a	6/4/2025	0.0001ND	No	16	n/a	n/a	n/a	56.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Chromium (mg/L)	OP-14	0.0037	n/a	6/4/2025	0.0025ND	No	16	n/a	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	OP-14	0.01803	n/a	6/4/2025	0.0129	No	16	n/a	0.1728	0.04969	0	None	x^(1/3)	0.0005064	Param Intra 1 of 3
Copper (mg/L)	OP-14	0.00451	n/a	6/4/2025	0.0025ND	No	16	n/a	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	OP-14	0.000675	n/a	6/4/2025	0.00025ND	No	16	n/a	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	OP-14	0.0393	n/a	6/4/2025	0.0261	No	16	n/a	0.01819	0.01173	0	None	No	0.0005064	Param Intra 1 of 3
Selenium (mg/L)	OP-14	0.0025	n/a	6/4/2025	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)	OP-14	0.00135	n/a	6/4/2025	0.0005ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	OP-14	0.001	n/a	6/4/2025	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)	OP-14	0.00348	n/a	6/4/2025	0.0025ND	No	16	n/a	n/a	n/a	81.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Zinc (mg/L)	OP-14	0.137	n/a	6/4/2025	0.01ND	No	17	n/a	n/a	n/a	88.24	n/a	n/a	0.0009102	NP Intra (NDs) 1 of 3

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001964, Std. Dev.=0.0008597, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9322, critical = 0.858. Kappa = 1.752 (c=13, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005064.

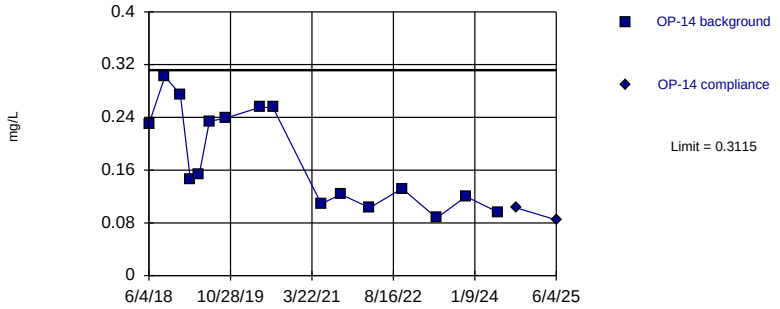
Constituent: Arsenic Analysis Run 8/12/2025 3:31 PM View: 2025_SSN-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.1787, Std. Dev.=0.07377, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8815, critical = 0.844. Kappa = 1.8 (c=13, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005064.

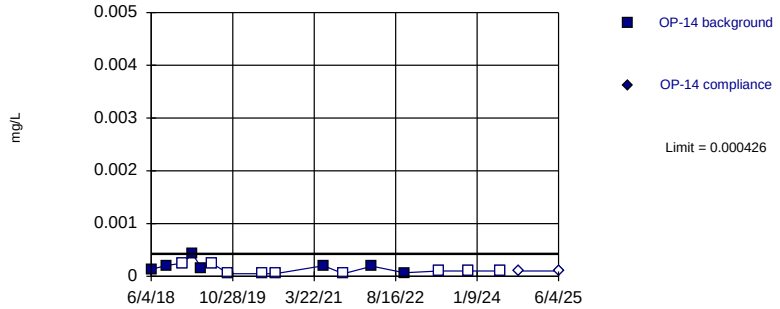
Constituent: Barium Analysis Run 8/12/2025 3:31 PM View: 2025_SSN-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 56.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

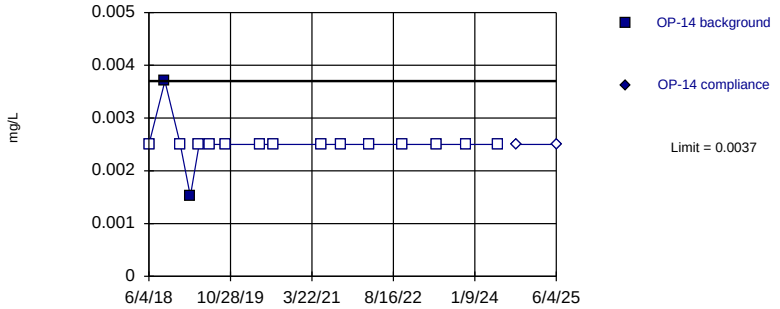
Constituent: Cadmium Analysis Run 8/12/2025 3:31 PM View: 2025_SSN-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

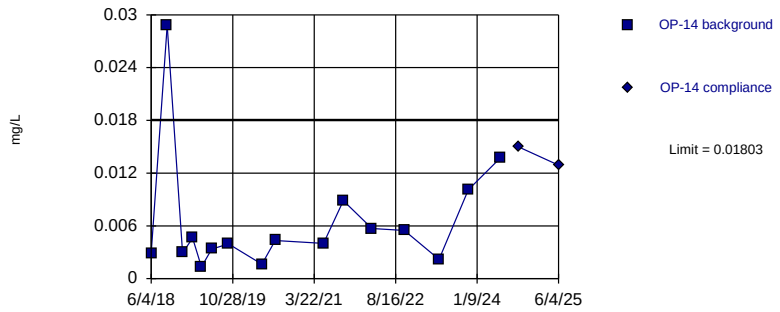
Constituent: Chromium Analysis Run 8/12/2025 3:31 PM View: 2025_SSN-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=0.1728, Std. Dev.=0.04969, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8921, critical = 0.844. Kappa = 1.8 (c=13, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005064.

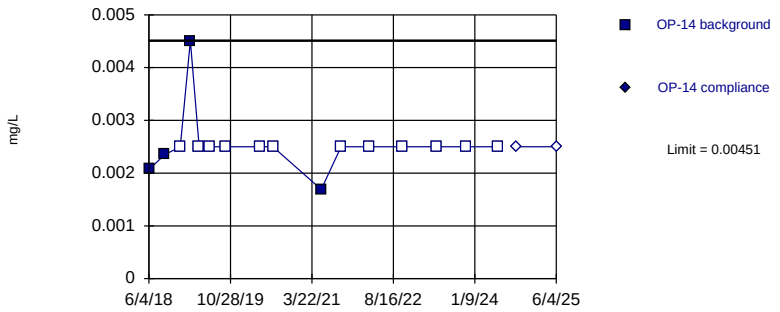
Constituent: Cobalt Analysis Run 8/12/2025 3:31 PM View: 2025_SSN-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

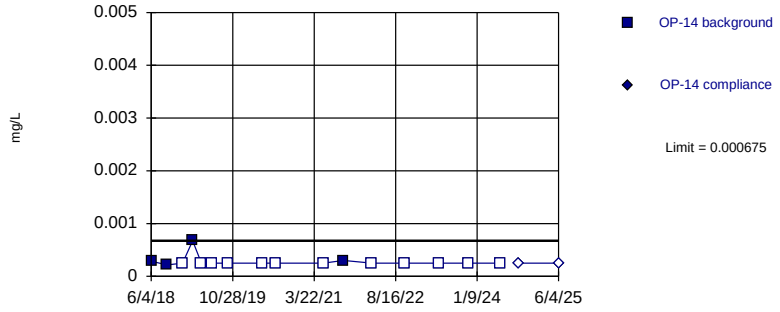
Constituent: Copper Analysis Run 8/12/2025 3:31 PM View: 2025_SSN-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

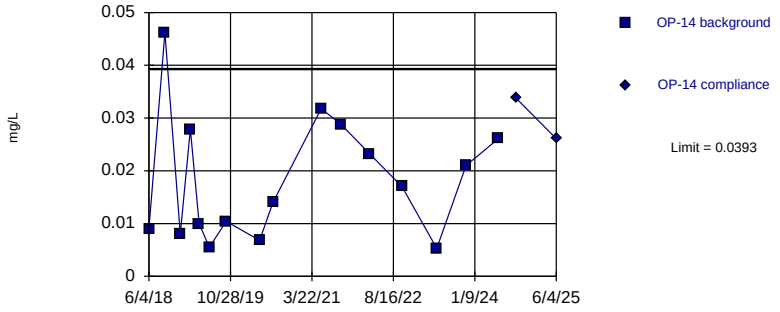
Constituent: Lead Analysis Run 8/12/2025 3:31 PM View: 2025_SSN-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01819, Std. Dev.=0.01173, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9055, critical = 0.844. Kappa = 1.8 (c=13, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005064.

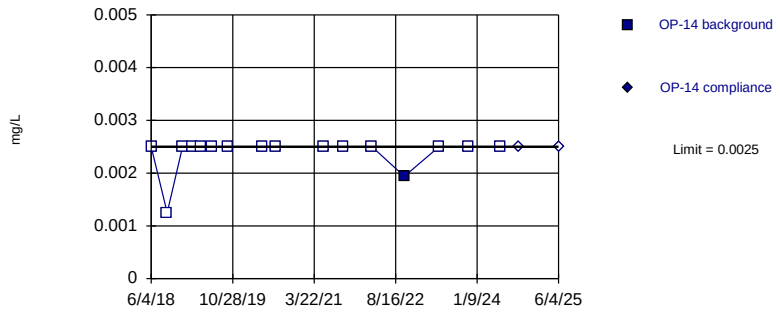
Constituent: Nickel Analysis Run 8/12/2025 3:31 PM View: 2025_SSN-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

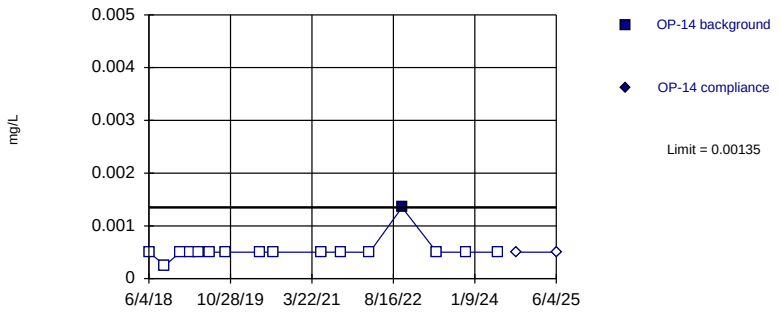
Constituent: Selenium Analysis Run 8/12/2025 3:31 PM View: 2025_SSN-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

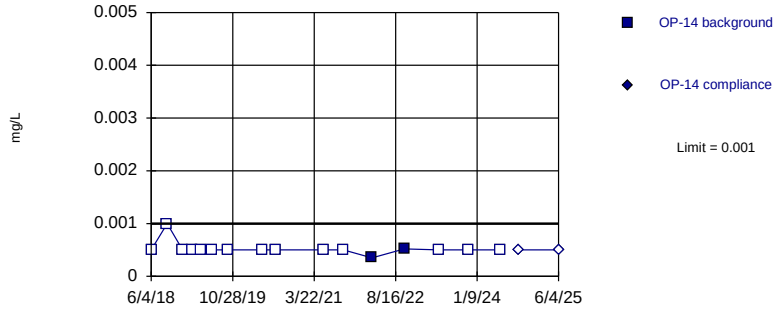
Constituent: Silver Analysis Run 8/12/2025 3:31 PM View: 2025_SSN-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

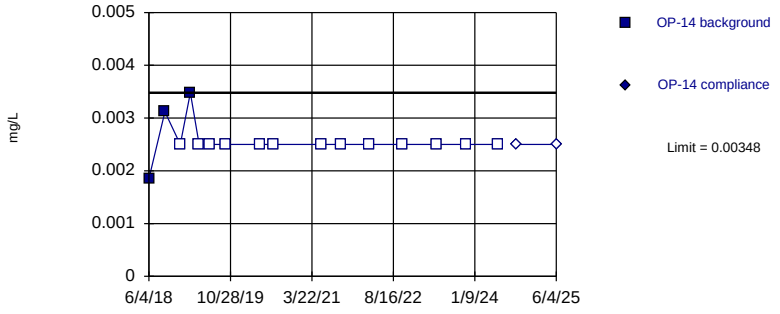
Constituent: Thallium Analysis Run 8/12/2025 3:31 PM View: 2025_SSN-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

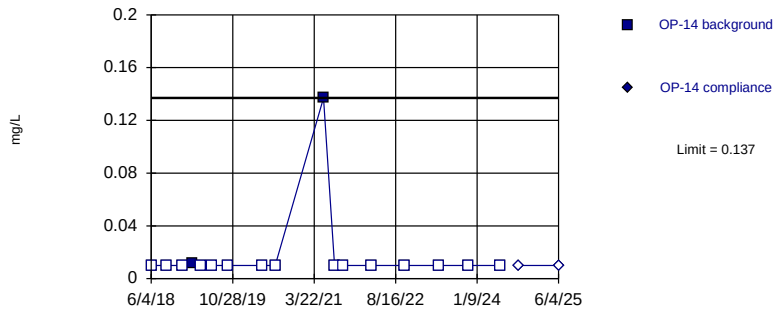
Constituent: Vanadium Analysis Run 8/12/2025 3:31 PM View: 2025_SSN-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 88.24% NDs. Well-constituent pair annual alpha = 0.00182. Individual comparison alpha = 0.0009102 (1 of 3).

Constituent: Zinc Analysis Run 8/12/2025 3:32 PM View: 2025_SSN-OP-14_IntraPL

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

OP-19 Intra Prediction Limit

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 8/12/2025, 3:01 PM

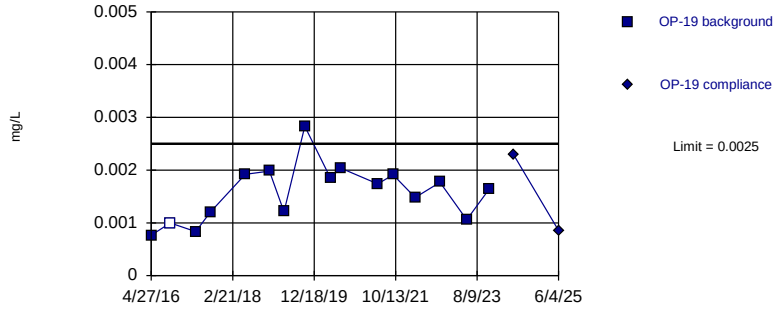
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	OP-19	0.0025	n/a	6/4/2025	0.000857J	No	16	n/a	0.001577	0.0005421	6.25	None	No	0.0007314	Param Intra 1 of 3
Barium (mg/L)	OP-19	0.2702	n/a	6/4/2025	0.229	No	16	n/a	0.2315	0.02273	0	None	No	0.0007314	Param Intra 1 of 3
Cadmium (mg/L)	OP-19	0.0004769	n/a	6/4/2025	0.000386	No	17	n/a	0.01452	0.004355	0	None	sqrt(x)	0.0007314	Param Intra 1 of 3
Cobalt (mg/L)	OP-19	0.00442	n/a	6/4/2025	0.00232	No	16	n/a	0.002748	0.0009824	0	None	No	0.0007314	Param Intra 1 of 3
Copper (mg/L)	**OP-19**	**0.00351**	**n/a**	**6/4/2025**	**0.0232**	**Yes**	**16**	**n/a**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.001026**	**NP Intra (NDs) 1 of 3**
Lead (mg/L)	OP-19	0.000862	n/a	6/4/2025	0.00025ND	No	17	n/a	n/a	n/a	70.59	n/a	n/a	0.0009102	NP Intra (NDs) 1 of 3
Nickel (mg/L)	OP-19	0.008728	n/a	6/4/2025	0.00536	No	16	n/a	0.007573	0.0006788	0	None	No	0.0007314	Param Intra 1 of 3
Thallium (mg/L)	OP-19	0.0005	n/a	6/4/2025	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)	OP-19	0.0025	n/a	6/4/2025	0.0025ND	No	16	n/a	n/a	n/a	81.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001577, Std. Dev.=0.0005421, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9433, critical = 0.844. Kappa = 1.702 (c=9, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007314.

Constituent: Arsenic Analysis Run 8/12/2025 2:59 PM View: 2025_SSN-OP-19_IntraPL

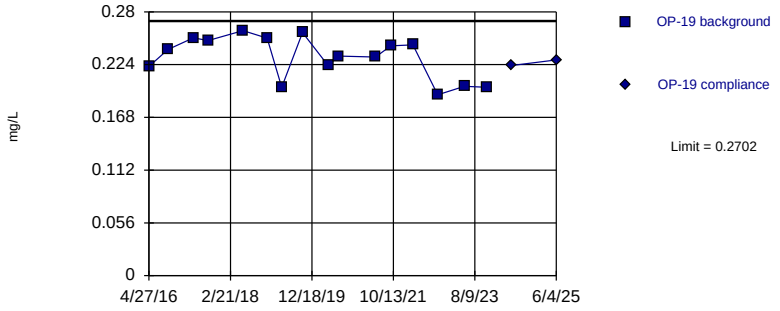
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.2315, Std. Dev.=0.02273, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9023, critical = 0.844. Kappa = 1.702 (c=9, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007314.

Constituent: Barium Analysis Run 8/12/2025 2:59 PM View: 2025_SSN-OP-19_IntraPL

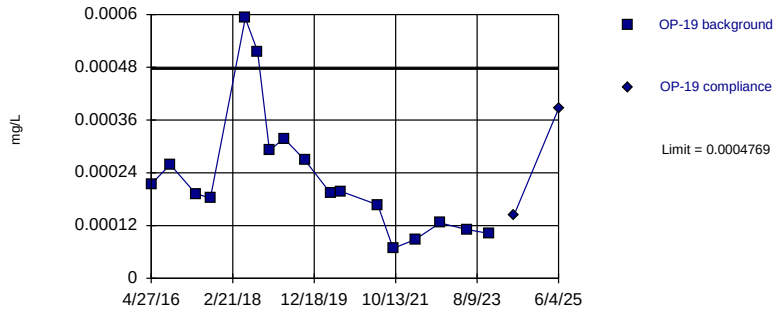
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.01452, Std. Dev.=0.004355, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9351, critical = 0.851. Kappa = 1.68 (c=9, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007314.

Constituent: Cadmium Analysis Run 8/12/2025 2:59 PM View: 2025_SSN-OP-19_IntraPL

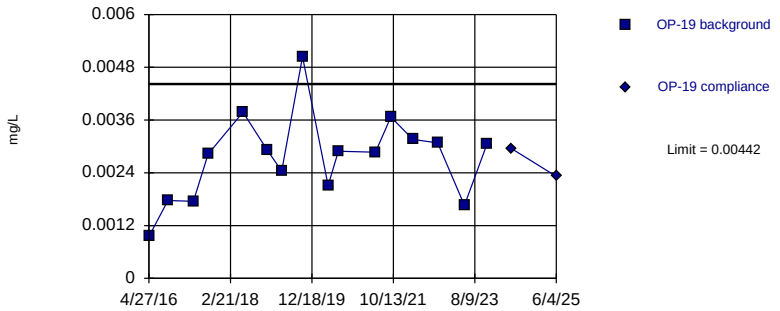
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.002748, Std. Dev.=0.0009824, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.959, critical = 0.844. Kappa = 1.702 (c=9, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007314.

Constituent: Cobalt Analysis Run 8/12/2025 2:59 PM View: 2025_SSN-OP-19_IntraPL

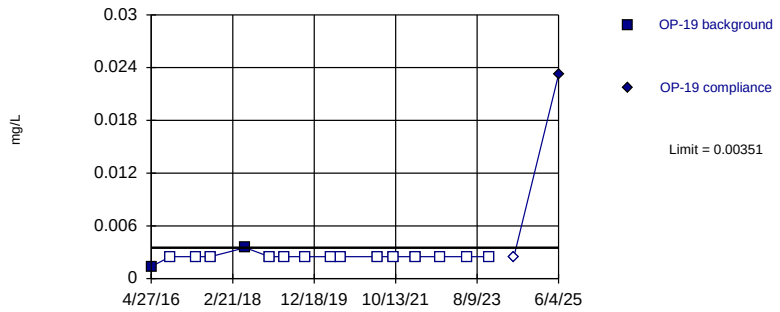
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

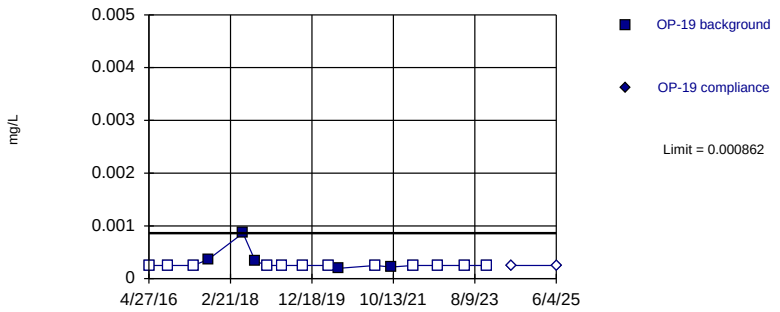
Constituent: Copper Analysis Run 8/12/2025 2:59 PM View: 2025_SSN-OP-19_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

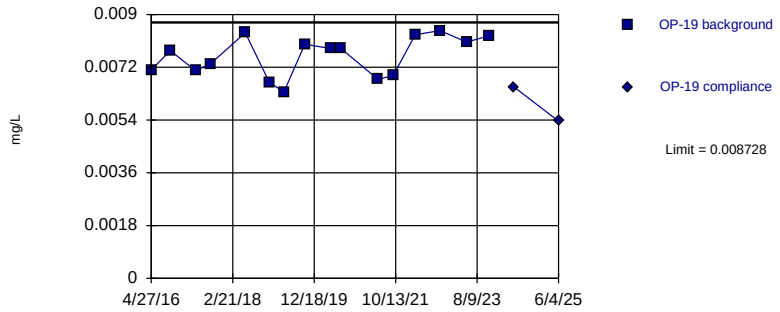
Constituent: Lead Analysis Run 8/12/2025 2:59 PM View: 2025_SSN-OP-19_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.007573, Std. Dev.=0.0006788, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9252, critical = 0.844. Kappa = 1.702 (c=9, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007314.

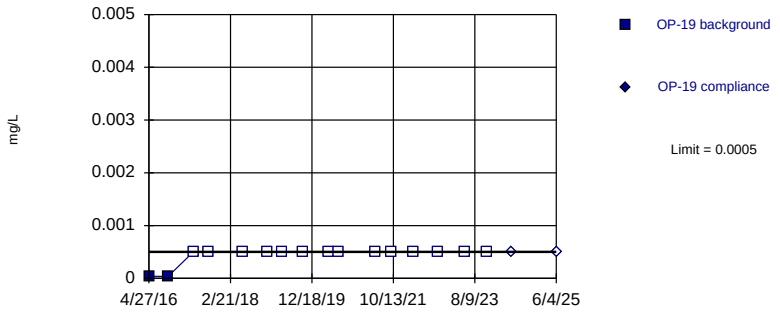
Constituent: Nickel Analysis Run 8/12/2025 2:59 PM View: 2025_SSN-OP-19_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

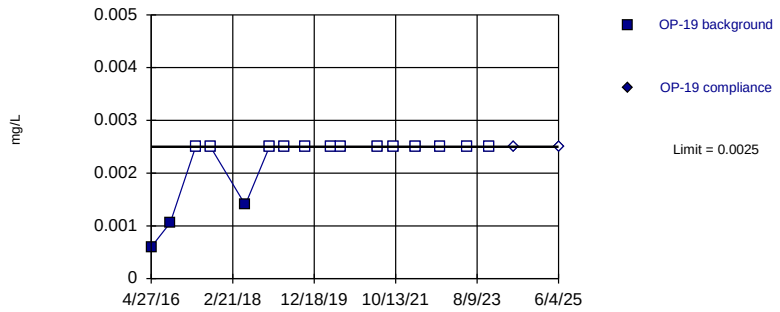
Constituent: Thallium Analysis Run 8/12/2025 2:59 PM View: 2025_SSN-OP-19_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 8/12/2025 3:00 PM View: 2025_SSN-OP-19_IntraPL

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Mann-Kendall Trend Test Summary Table and Graphs

Trend Test

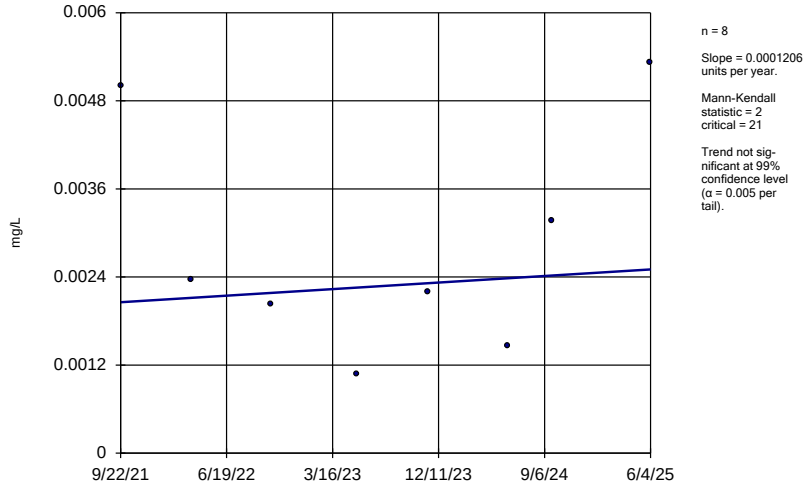
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM Printed 8/8/2025, 6:01 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Arsenic (mg/L)	MW-20AR	0.0001206	2	21	No	8	0	0.01	NP
Barium (mg/L)	MW-20AR	-0.003833	-14	-21	No	8	0	0.01	NP
Carbon disulfide (ug/L)	MW-20AR	-0.01178	-14	-21	No	8	62.5	0.01	NP
Cobalt (mg/L)	MW-20AR	-0.0003624	-12	-21	No	8	0	0.01	NP
Copper (mg/L)	MW-20AR	0	-1	-21	No	8	37.5	0.01	NP
Nickel (mg/L)	MW-20AR	0	-11	-21	No	8	75	0.01	NP
Sulfide (mg/L)	MW-20AR	0	-5	-21	No	8	87.5	0.01	NP

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Sen's Slope Estimator

MW-20AR



n = 8

Slope = 0.0001206 units per year.

Mann-Kendall statistic = 2 critical = 21

Trend not significant at 99% confidence level (α = 0.005 per tail).

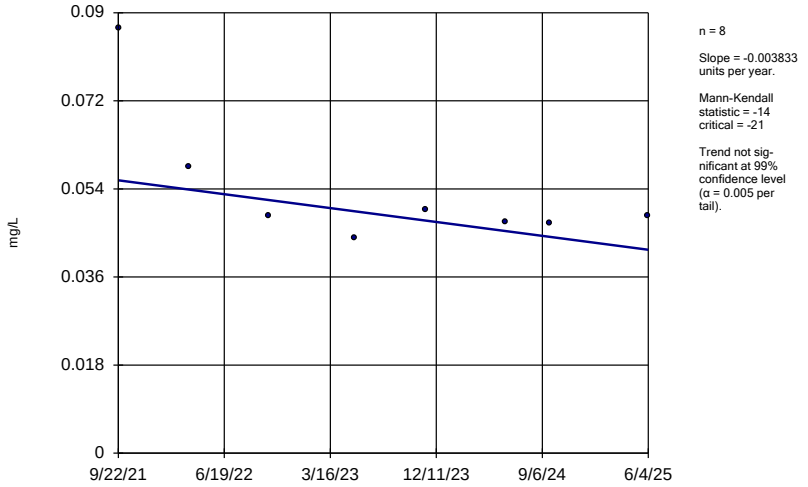
Constituent: Arsenic Analysis Run 8/8/2025 6:00 PM View: 2025_SSN-Mann_Kendall

Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Sen's Slope Estimator

MW-20AR



n = 8

Slope = -0.003833 units per year.

Mann-Kendall statistic = -14 critical = -21

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 8/8/2025 6:00 PM View: 2025_SSN-Mann_Kendall

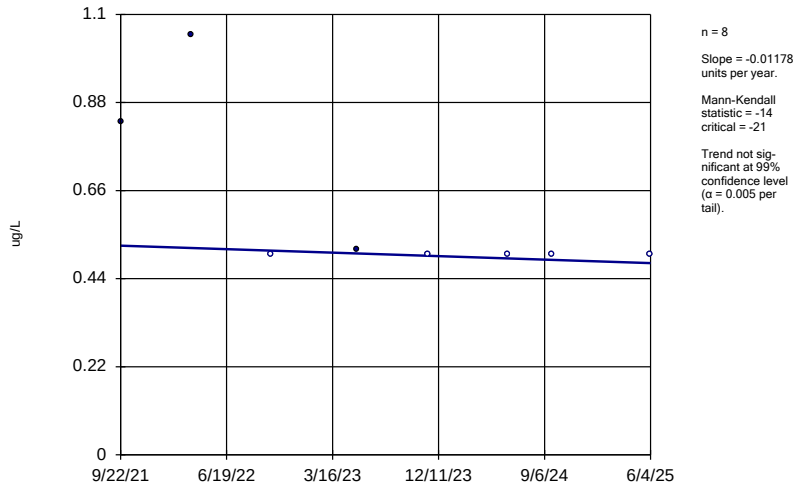
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-20AR



n = 8

Slope = -0.01178 units per year.

Mann-Kendall statistic = -14 critical = -21

Trend not significant at 99% confidence level (α = 0.005 per tail).

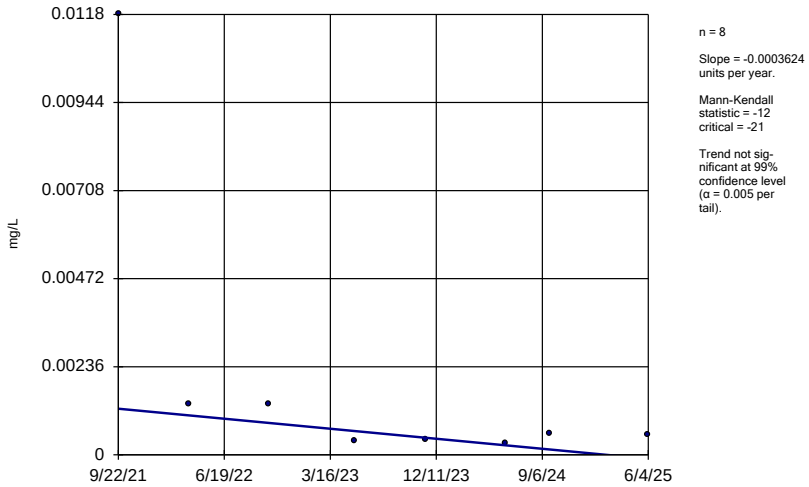
Constituent: Carbon disulfide Analysis Run 8/8/2025 6:00 PM View: 2025_SSN-Mann_Kendall

Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Sen's Slope Estimator

MW-20AR



n = 8

Slope = -0.0003624 units per year.

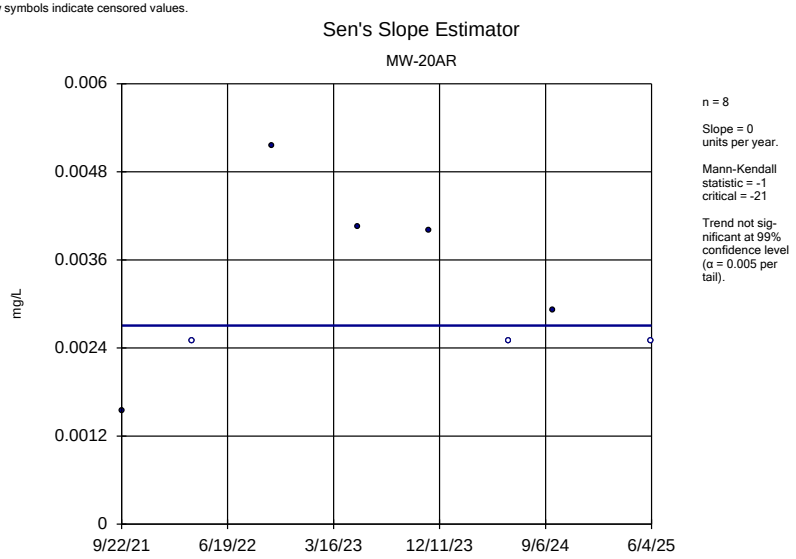
Mann-Kendall statistic = -12 critical = -21

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 8/8/2025 6:00 PM View: 2025_SSN-Mann_Kendall

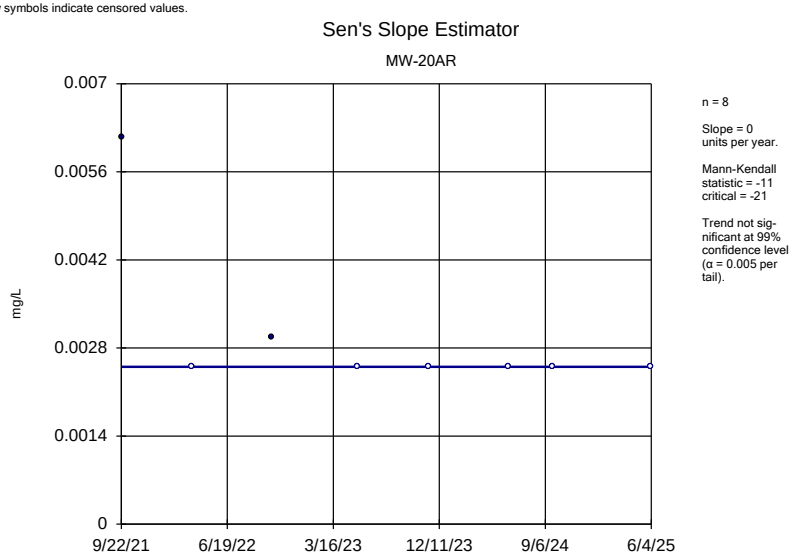
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.



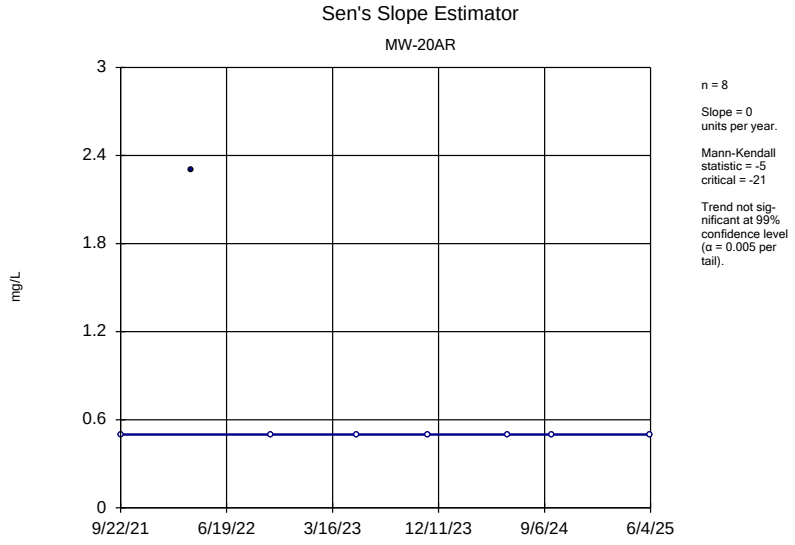
Constituent: Copper Analysis Run 8/8/2025 6:00 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.



Constituent: Nickel Analysis Run 8/8/2025 6:00 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.



Constituent: Sulfide Analysis Run 8/8/2025 6:00 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM

Confidence Interval Summary Table and Graphs

Confidence Interval

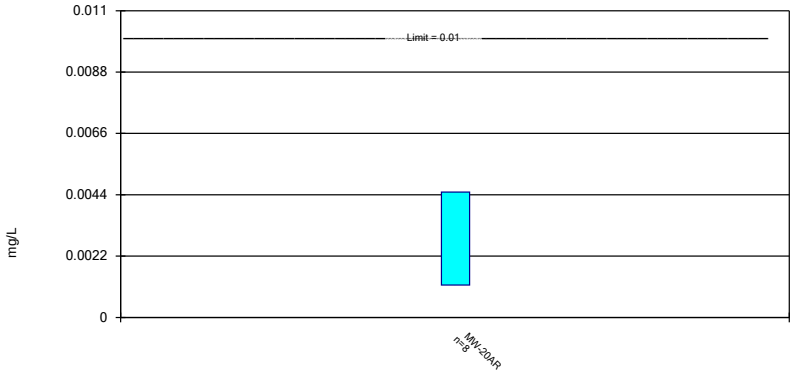
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM Printed 8/8/2025, 6:04 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Arsenic (mg/L)	MW-20AR	0.004497	0.001161	0.01	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-20AR	0.0869	0.0441	2	No	8	0	No	0.004	NP (normality)
Carbon disulfide (ug/L)	MW-20AR	1.05	0.5	700	No	8	62.5	No	0.004	NP (NDs)
Cobalt (mg/L)	MW-20AR	0.0118	0.000326	0.0021	No	8	0	No	0.004	NP (normality)
Copper (mg/L)	MW-20AR	0.004618	0.002147	1.3	No	8	37.5	No	0.01	Param.
Nickel (mg/L)	MW-20AR	0.00616	0.0025	0.1	No	8	75	No	0.004	NP (NDs)
Sulfide (mg/L)	MW-20AR	2.3	0.5	1	No	8	87.5	No	0.004	NP (NDs)

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.

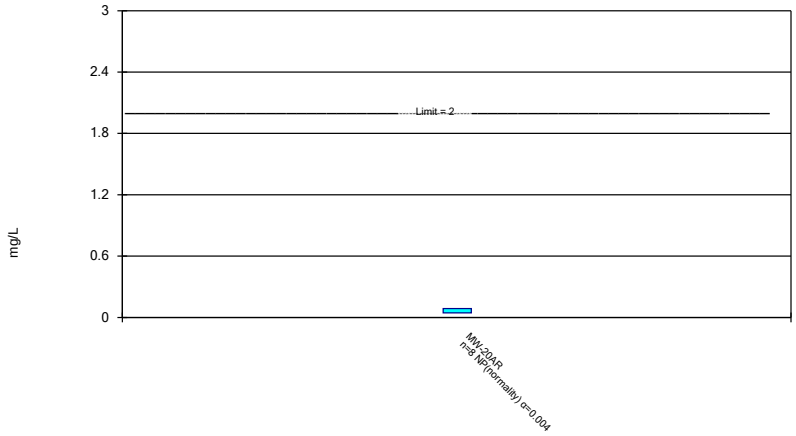


Constituent: Arsenic Analysis Run 8/8/2025 6:03 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

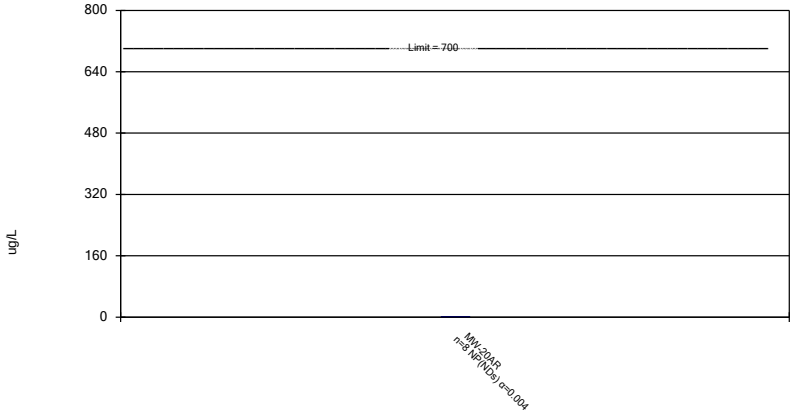


Constituent: Barium Analysis Run 8/8/2025 6:03 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

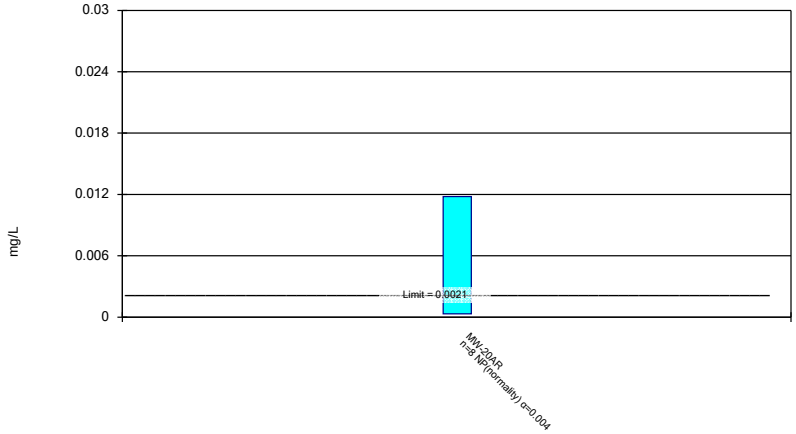


Constituent: Carbon disulfide Analysis Run 8/8/2025 6:03 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

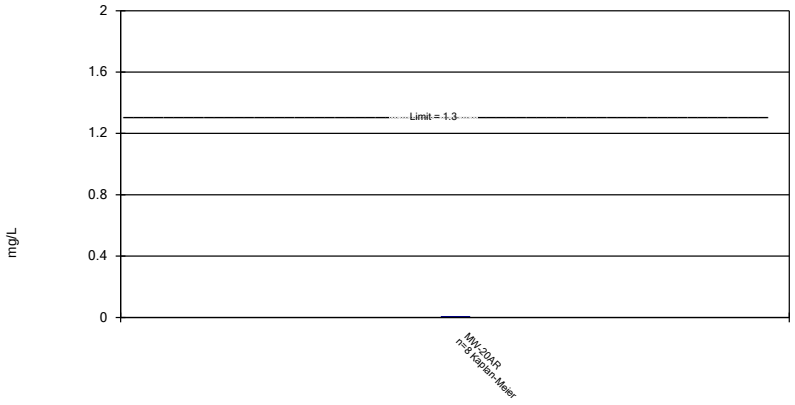


Constituent: Cobalt Analysis Run 8/8/2025 6:03 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.

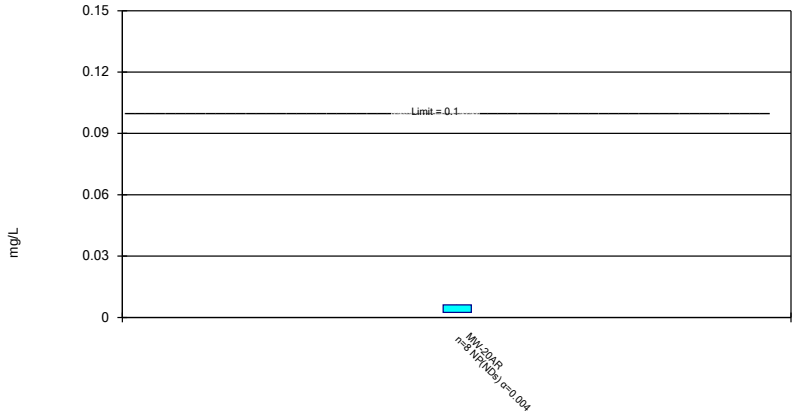


Constituent: Copper Analysis Run 8/8/2025 6:03 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

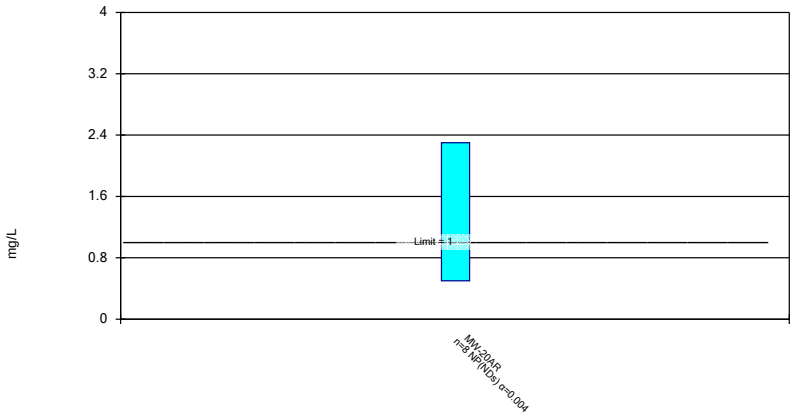


Constituent: Nickel Analysis Run 8/8/2025 6:03 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM

Sanitas™ v.10.0.27 Software licensed to SCS Engineers. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



Constituent: Sulfide Analysis Run 8/8/2025 6:03 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL-2025_SSN-AM

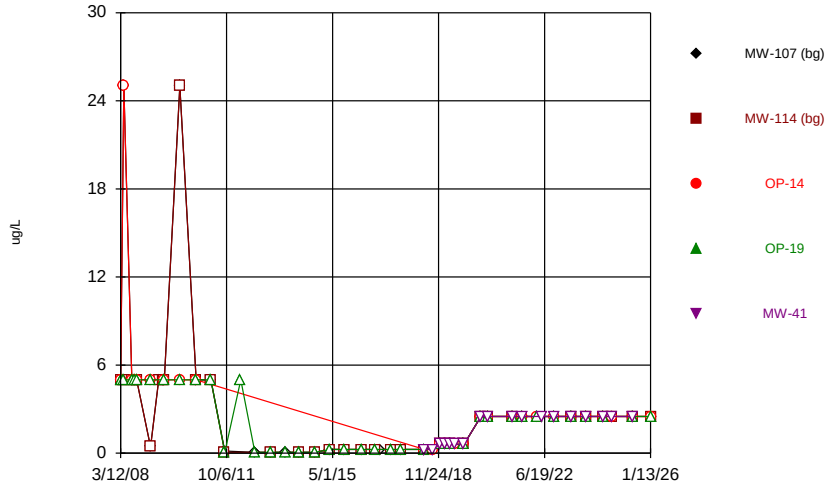
Attachment B

2nd 2025 Statistical Evaluation Output

Time Series Plots

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

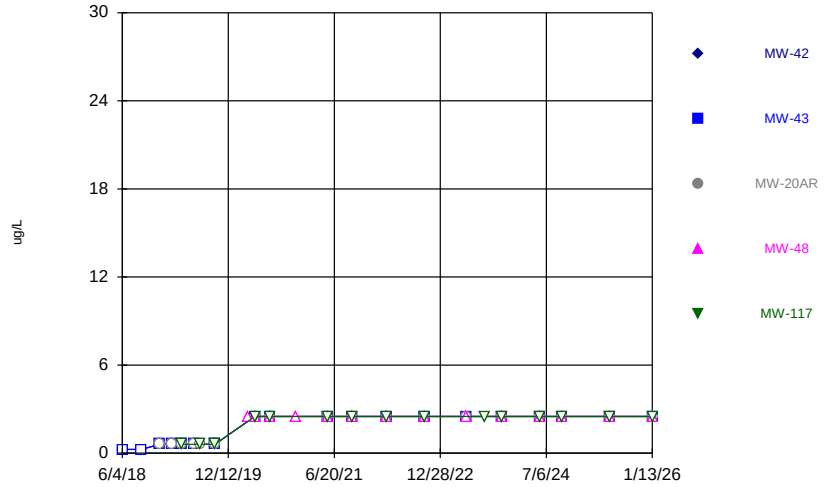
Time Series



Constituent: 1,2-Dibromo-3-chloropropane Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Se
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

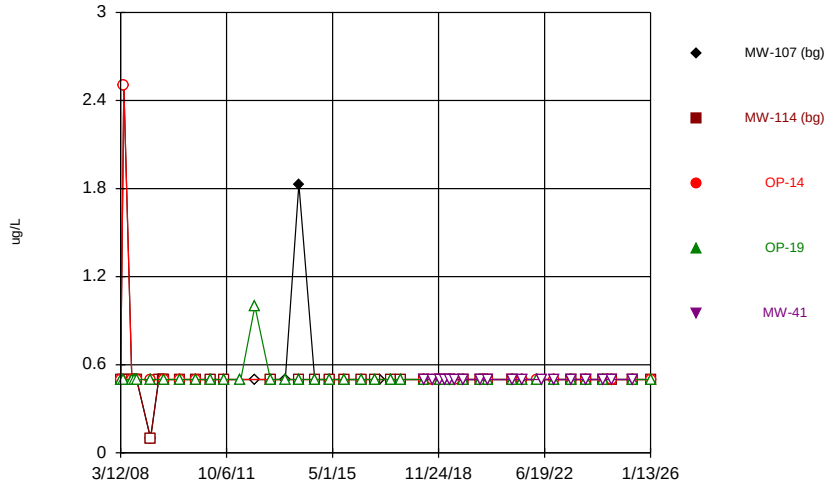
Time Series



Constituent: 1,2-Dibromo-3-chloropropane Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Se
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

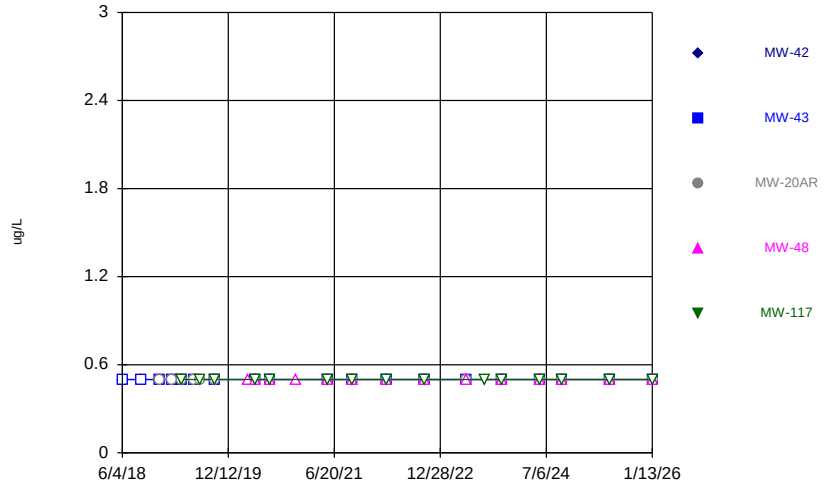
Time Series



Constituent: 1,2-Dichloroethane Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

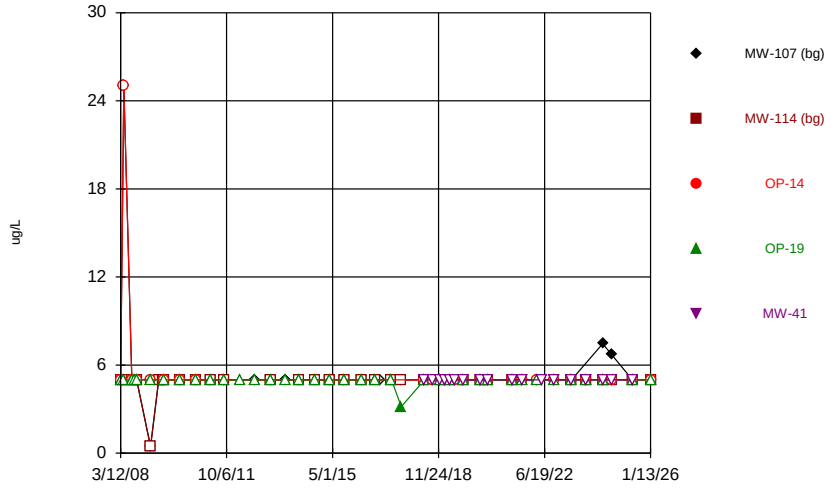
Time Series



Constituent: 1,2-Dichloroethane Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

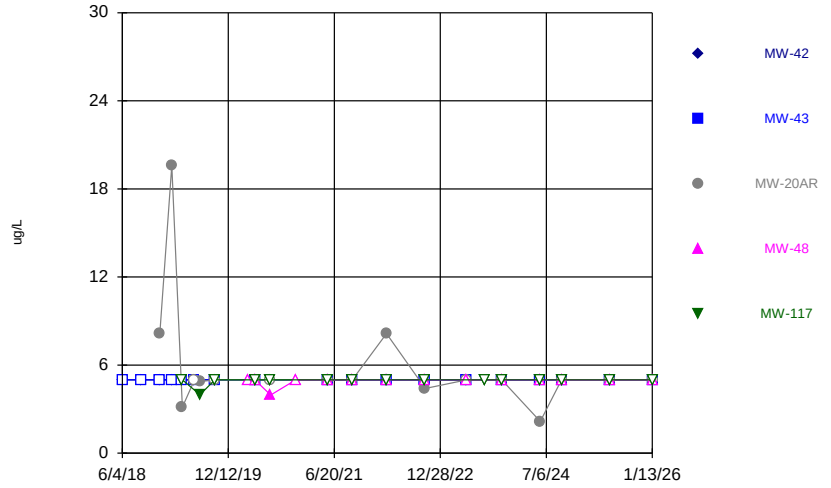
Time Series



Constituent: 2-Butanone Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

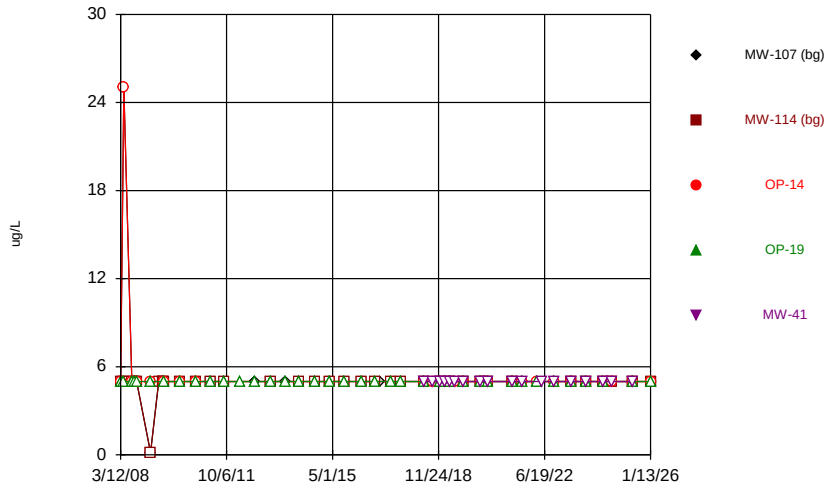
Time Series



Constituent: 2-Butanone Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

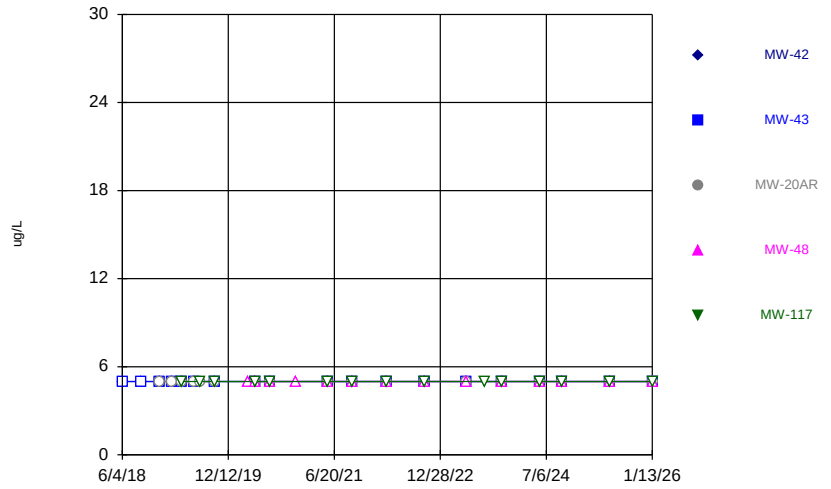
Time Series



Constituent: 4-Methyl-2-pentanone Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

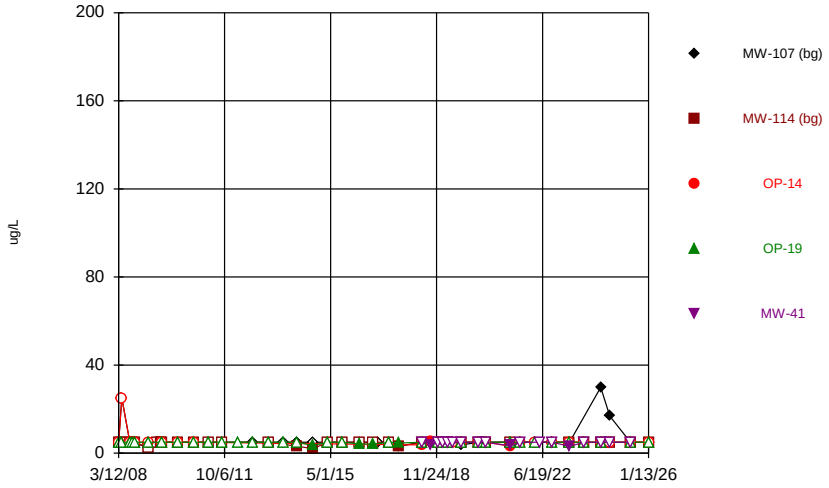
Time Series



Constituent: 4-Methyl-2-pentanone Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

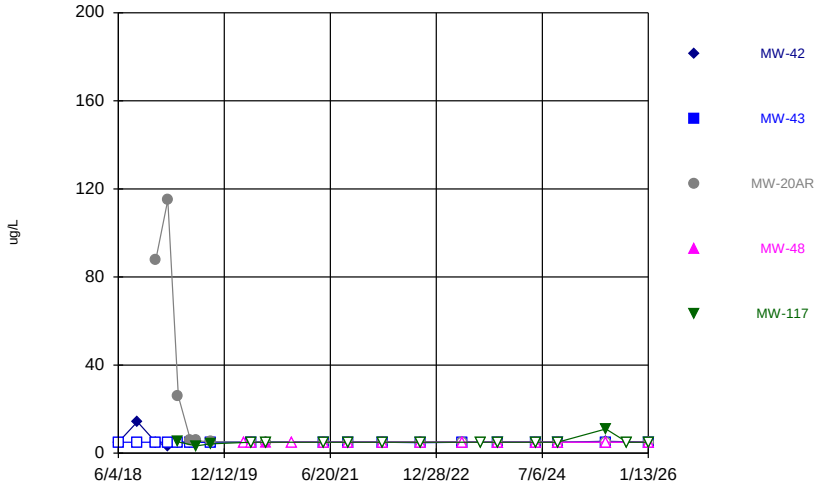
Time Series



Constituent: Acetone Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

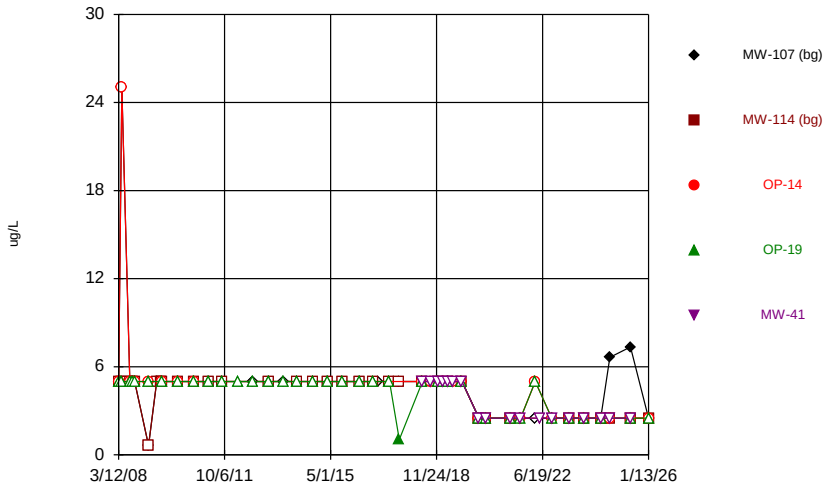
Time Series



Constituent: Acetone Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

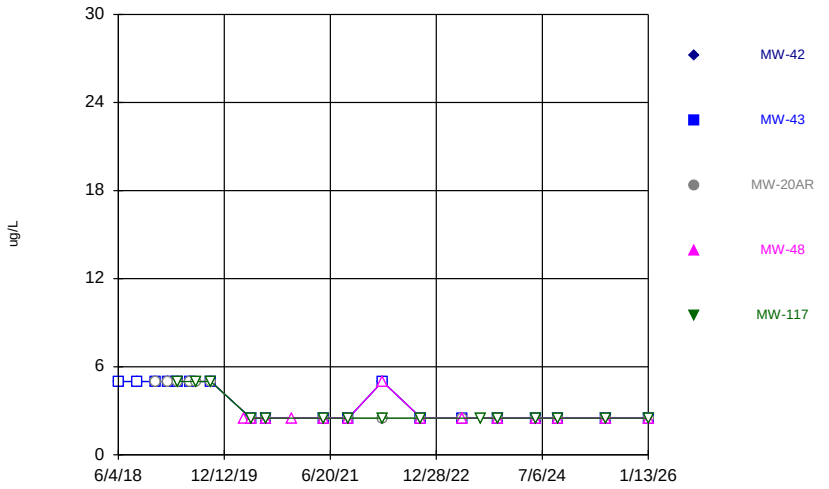
Time Series



Constituent: Acrylonitrile Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

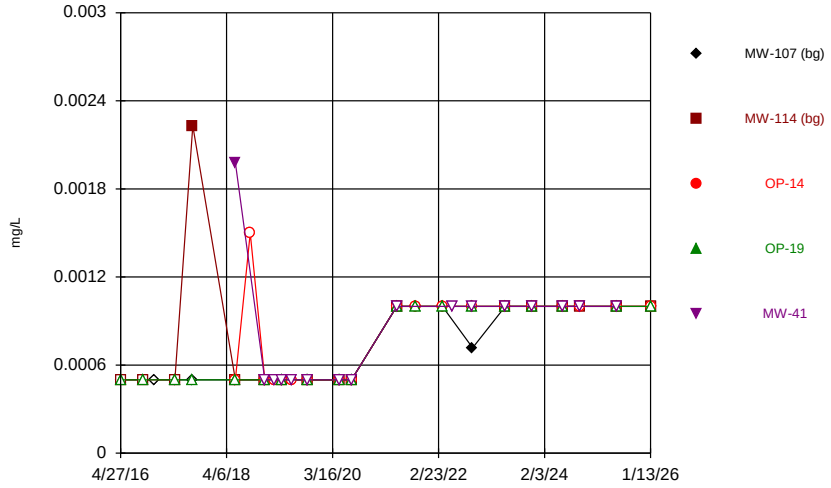
Time Series



Constituent: Acrylonitrile Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

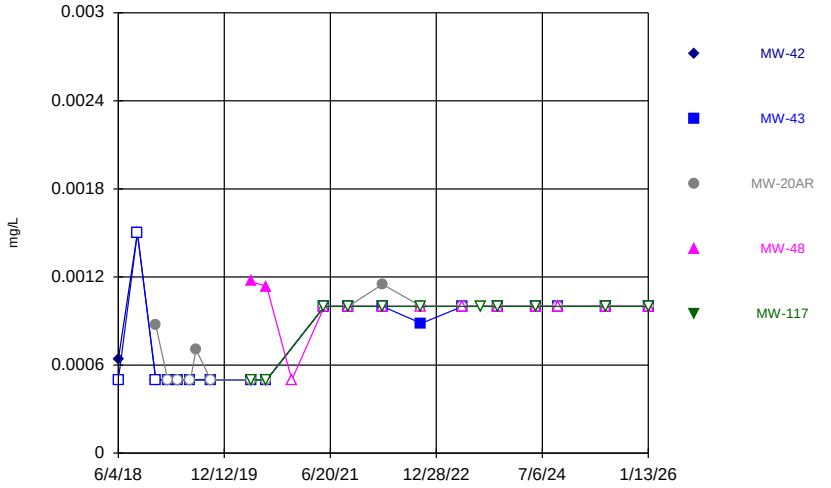
Time Series



Constituent: Antimony Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

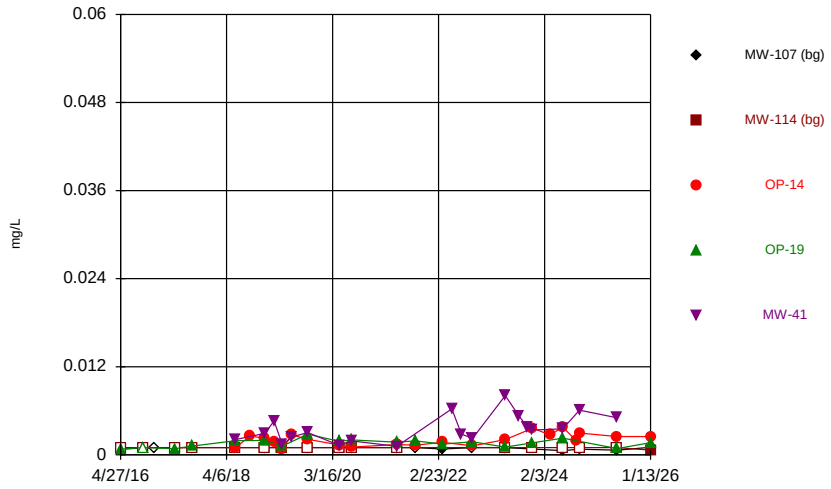
Time Series



Constituent: Antimony Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

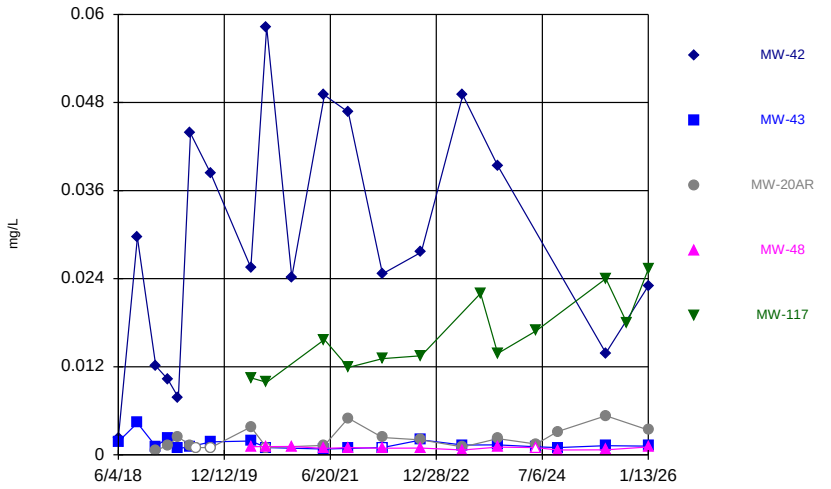
Time Series



Constituent: Arsenic Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

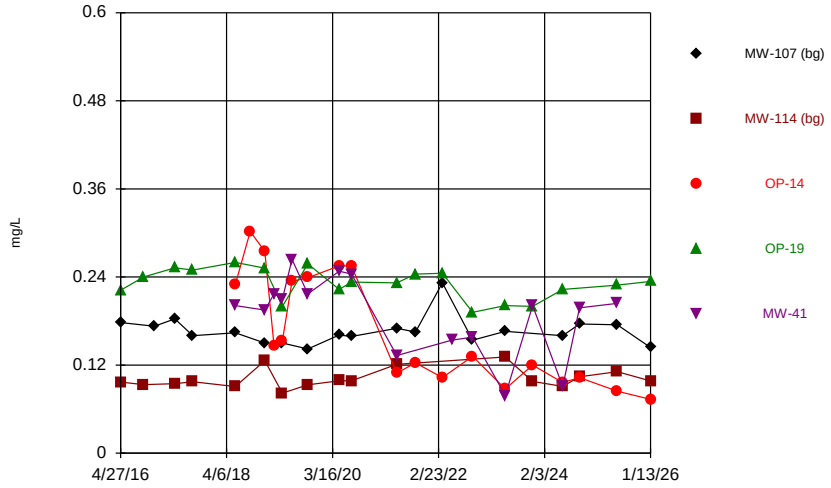
Time Series



Constituent: Arsenic Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

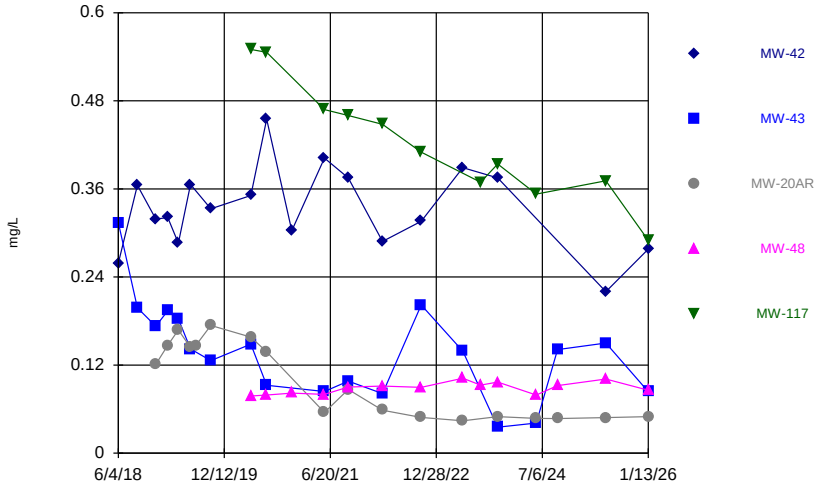
Time Series



Constituent: Barium Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

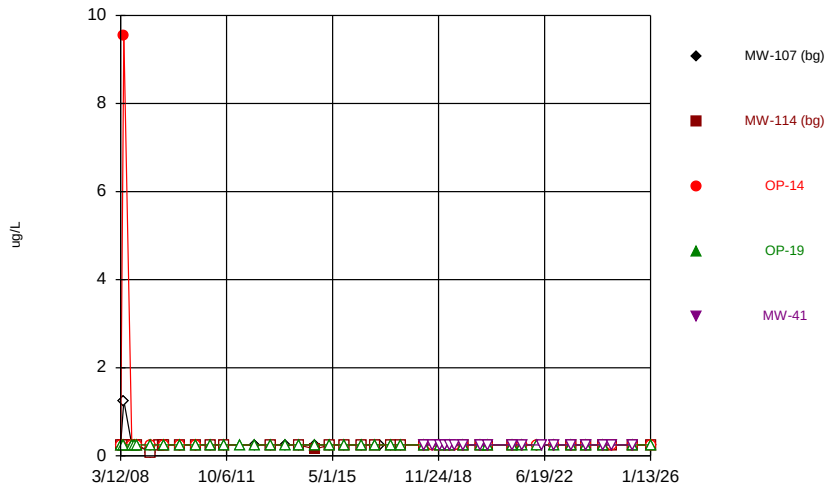
Time Series



Constituent: Barium Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

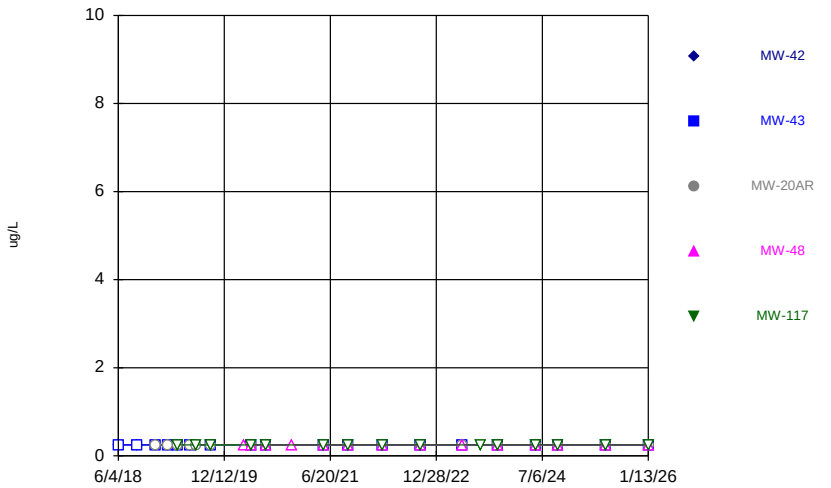
Time Series



Constituent: Benzene Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

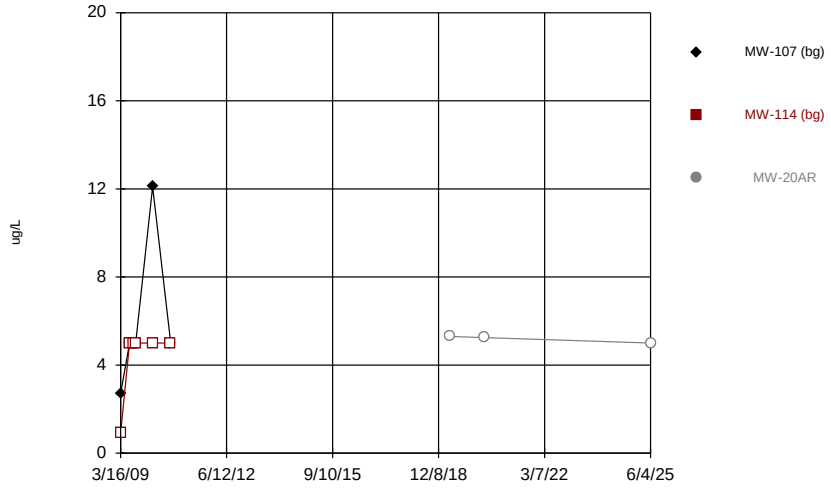
Time Series



Constituent: Benzene Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

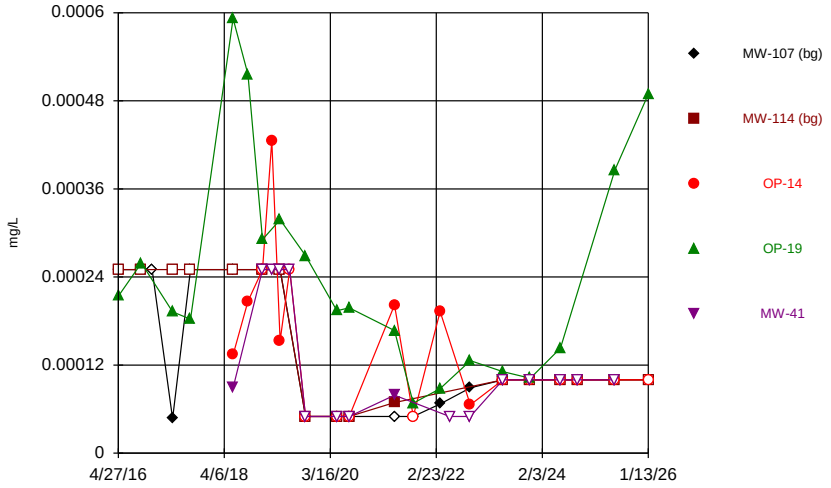
Time Series



Constituent: Bis[2-ethylhexyl]phthalate Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

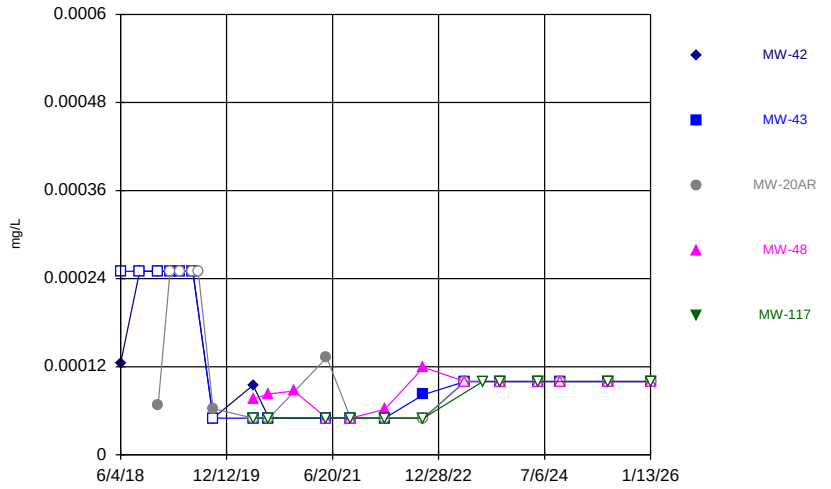
Time Series



Constituent: Cadmium Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

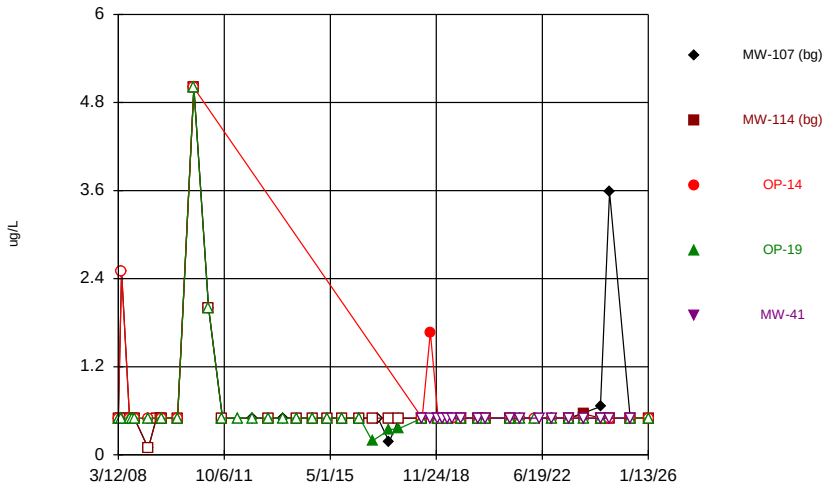
Time Series



Constituent: Cadmium Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

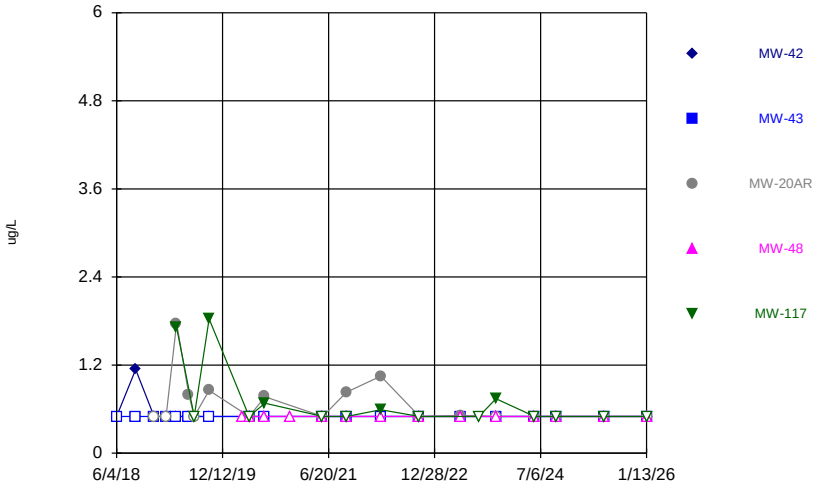
Time Series



Constituent: Carbon disulfide Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

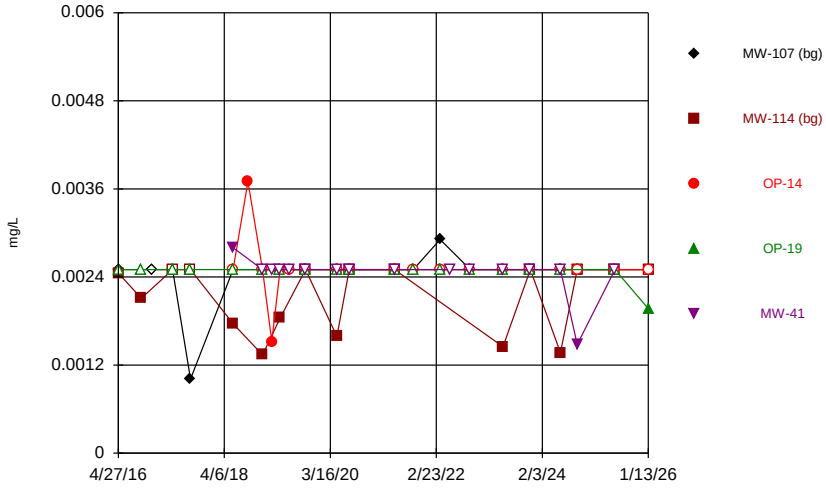
Time Series



Constituent: Carbon disulfide Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

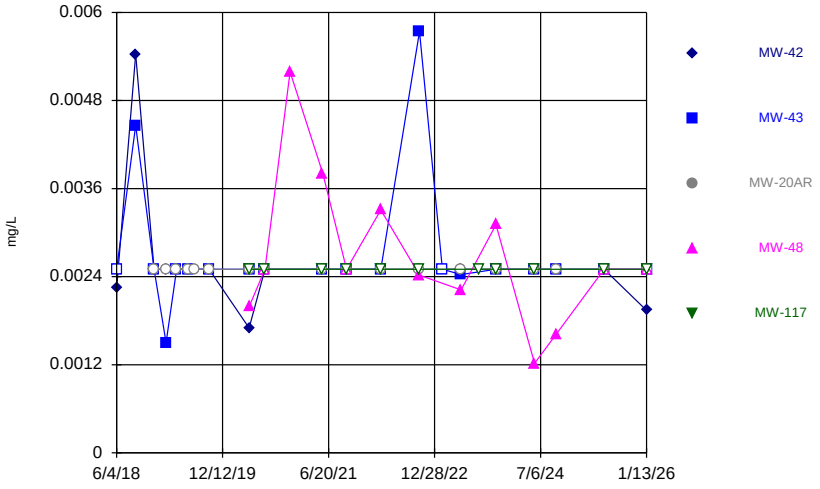
Time Series



Constituent: Chromium Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

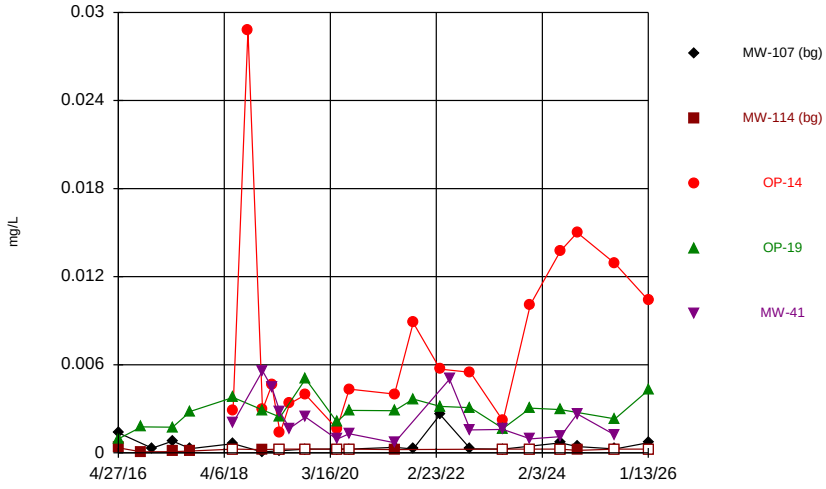
Time Series



Constituent: Chromium Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

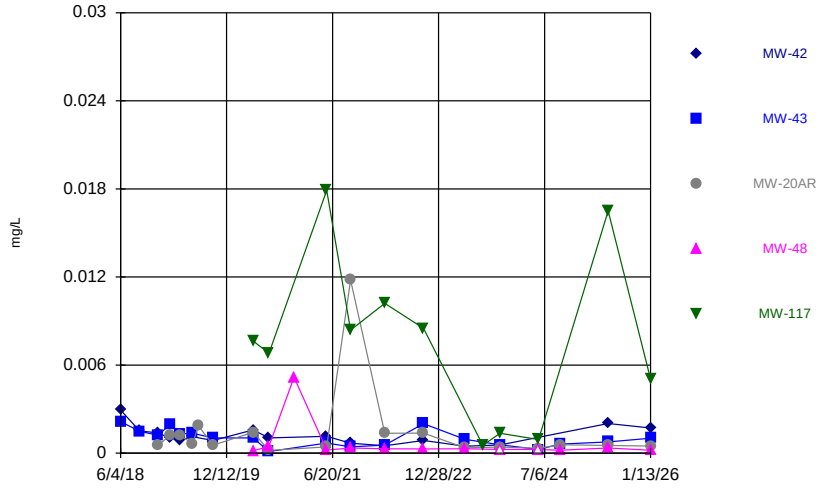
Time Series



Constituent: Cobalt Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

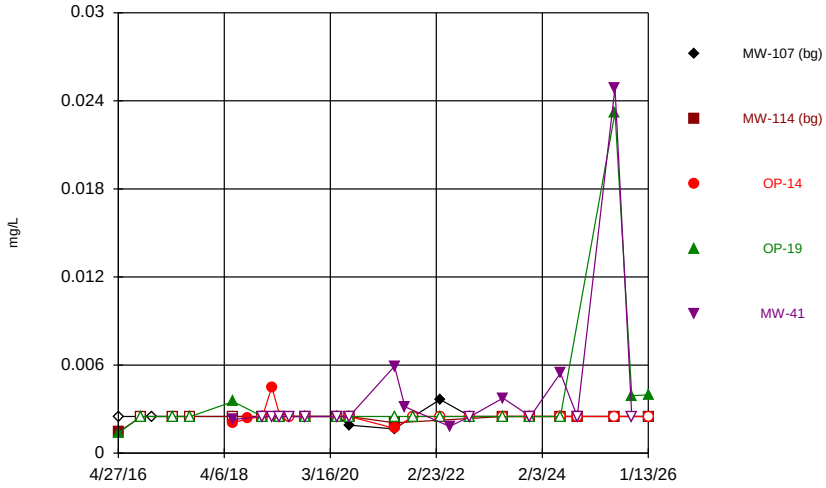
Time Series



Constituent: Cobalt Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

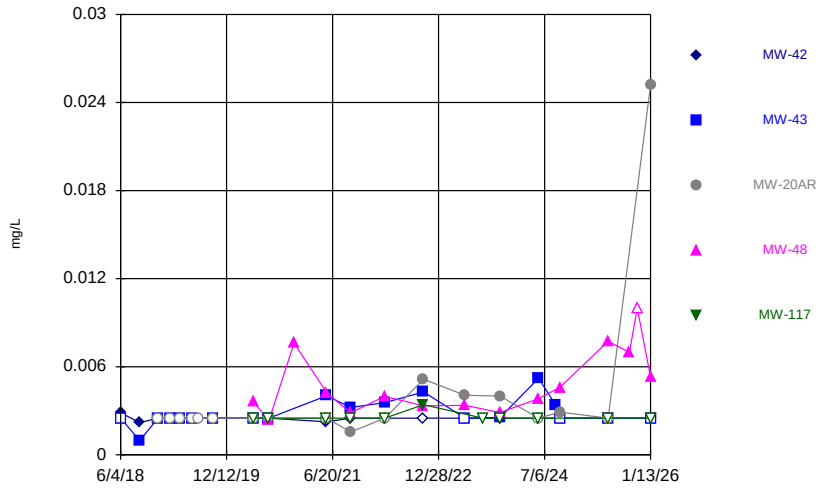
Time Series



Constituent: Copper Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

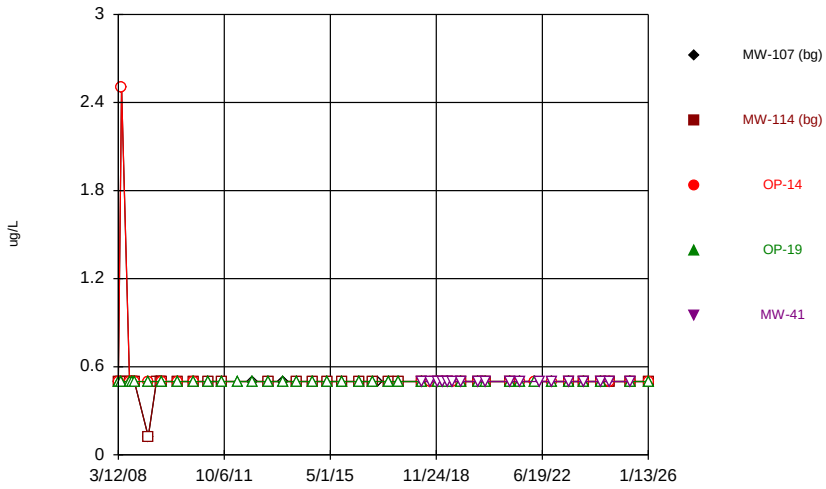
Time Series



Constituent: Copper Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

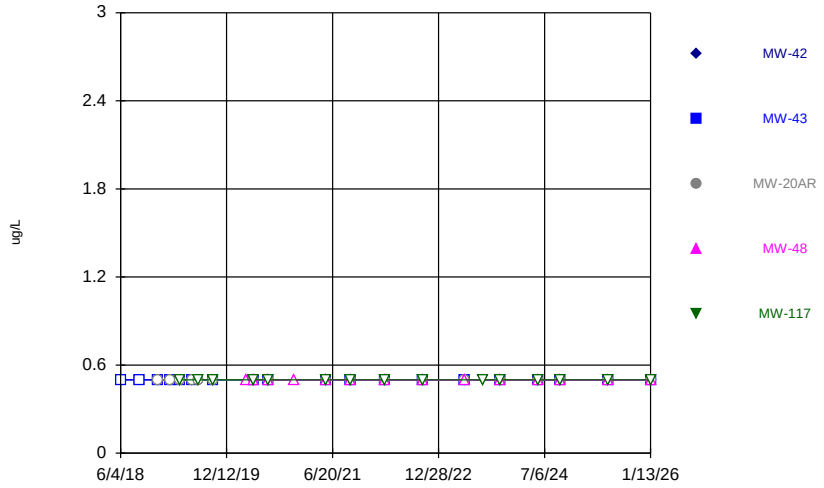
Time Series



Constituent: Ethylbenzene Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

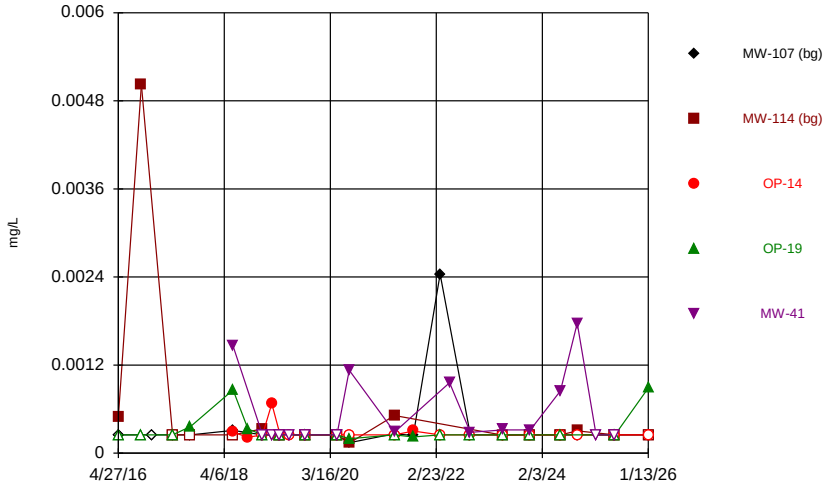
Time Series



Constituent: Ethylbenzene Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

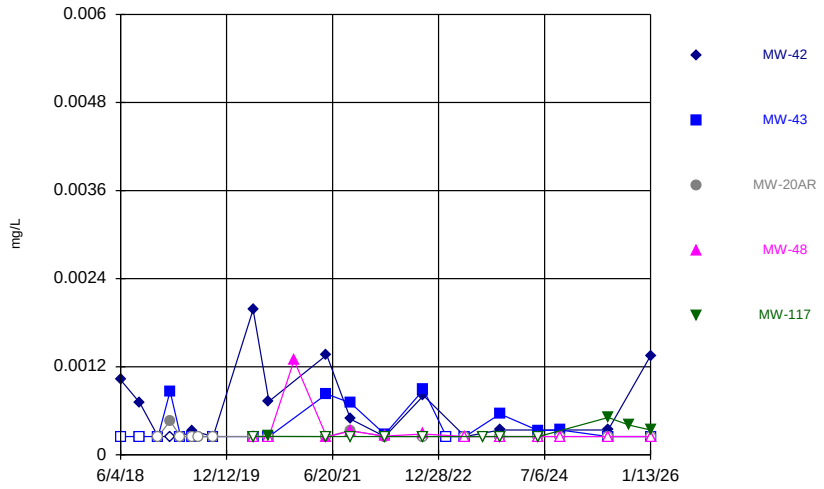
Time Series



Constituent: Lead Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

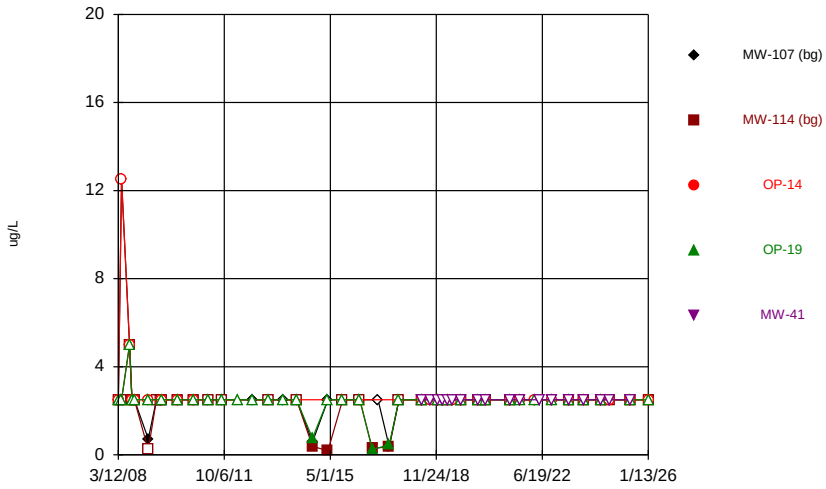
Time Series



Constituent: Lead Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

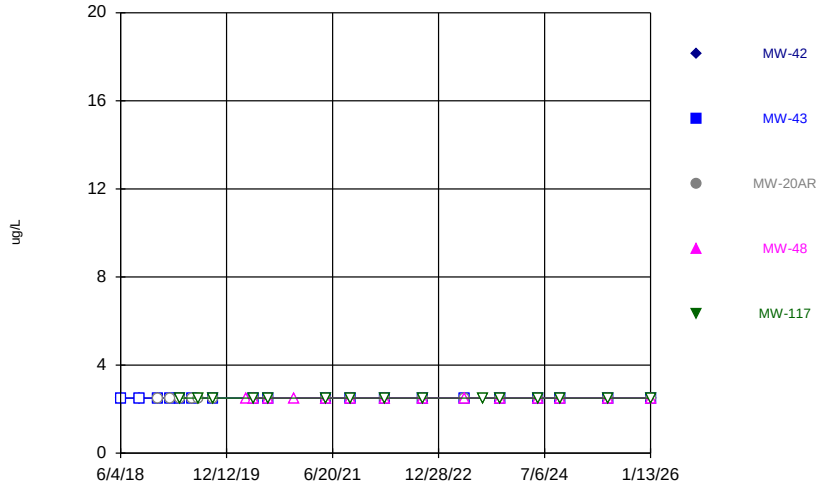
Time Series



Constituent: Methylene Chloride Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

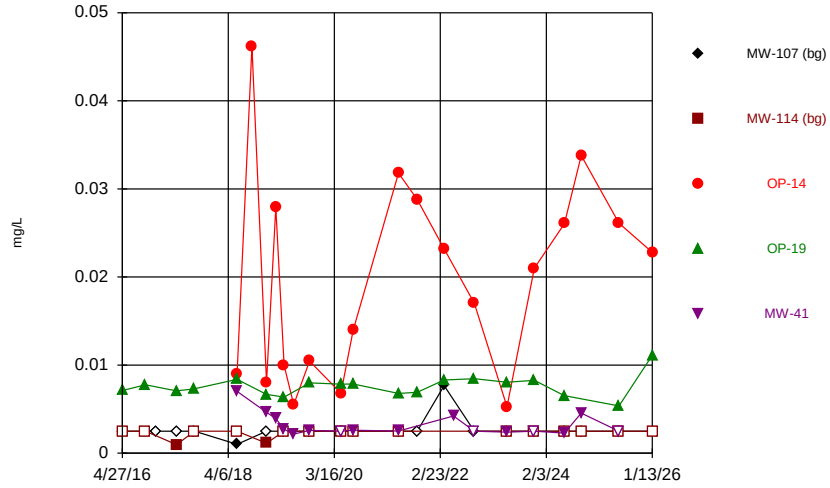
Time Series



Constituent: Methylene Chloride Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

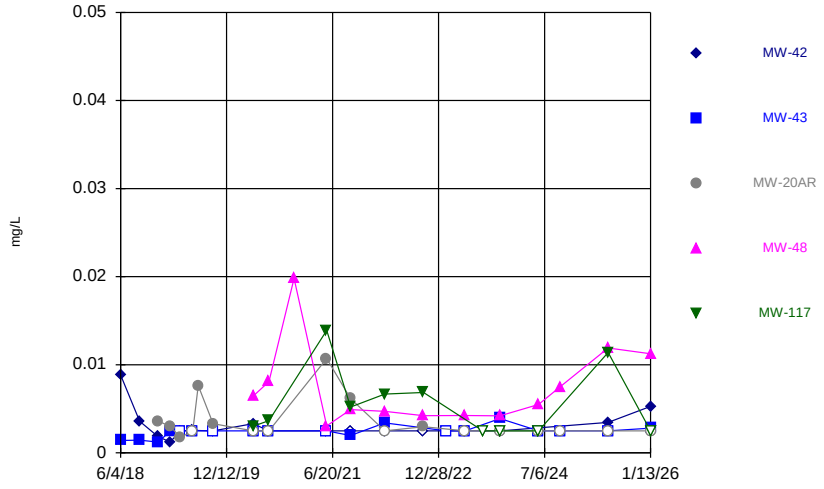
Time Series



Constituent: Nickel Analysis Run 4/24/2026 2:46 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

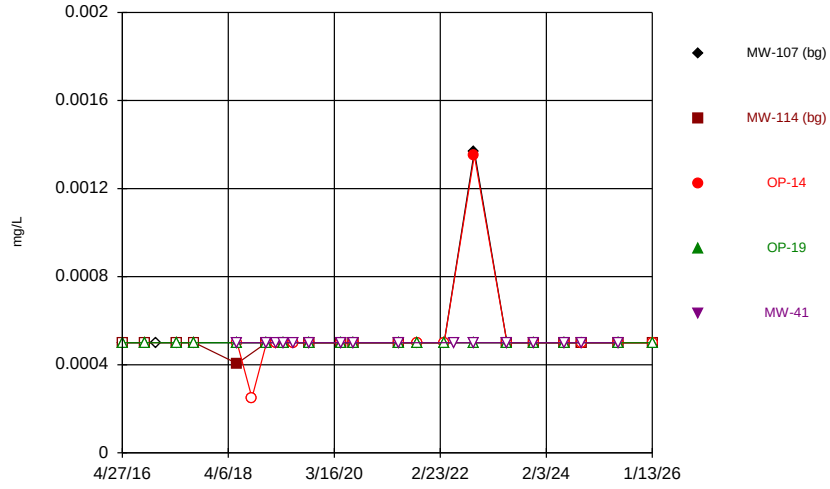
Time Series



Constituent: Nickel Analysis Run 4/24/2026 2:47 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

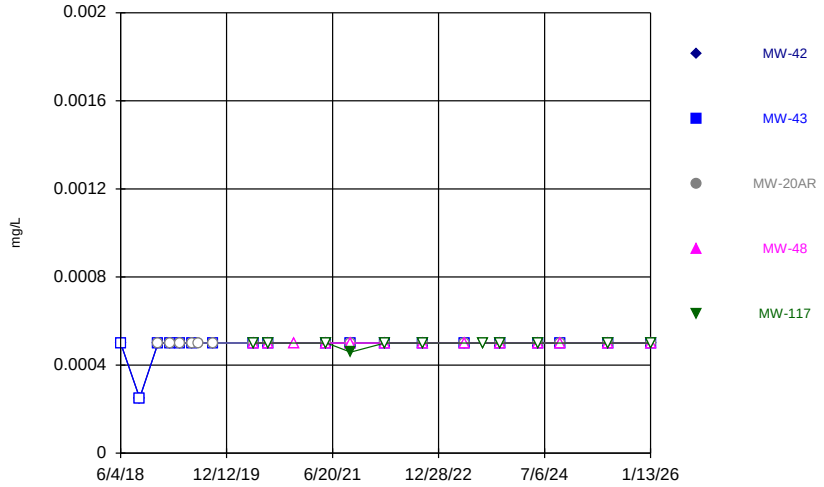
Time Series



Constituent: Silver Analysis Run 4/24/2026 2:47 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

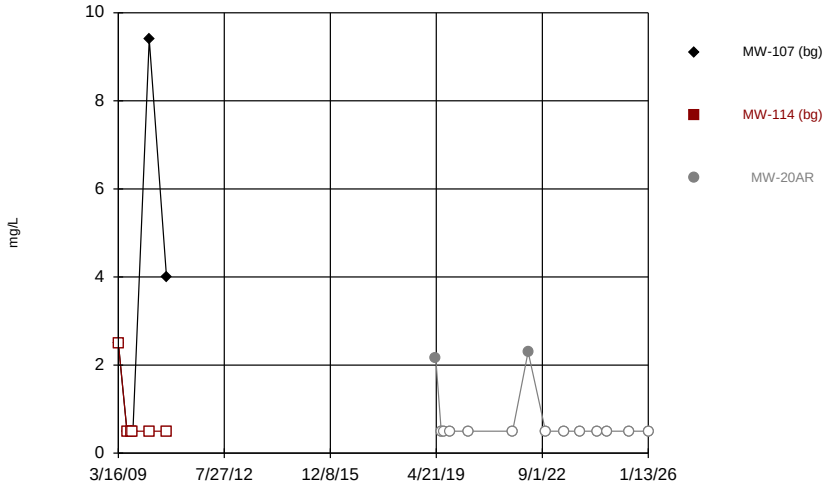
Time Series



Constituent: Silver Analysis Run 4/24/2026 2:47 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

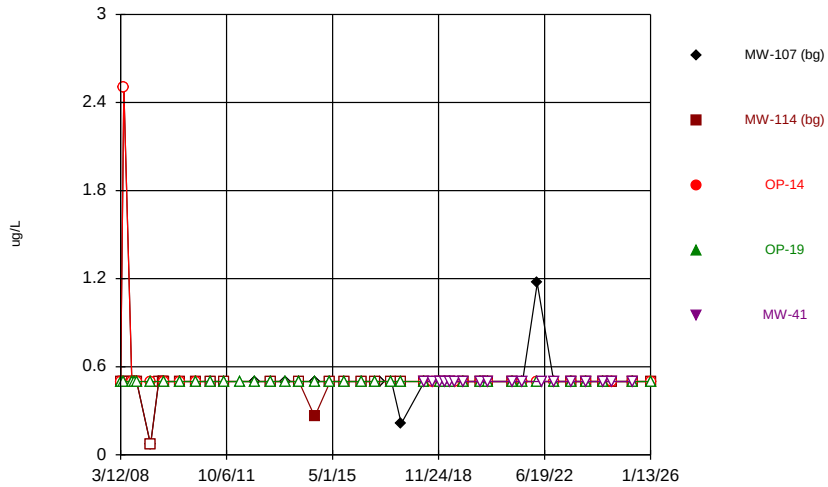
Time Series



Constituent: Sulfide Analysis Run 4/24/2026 2:47 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

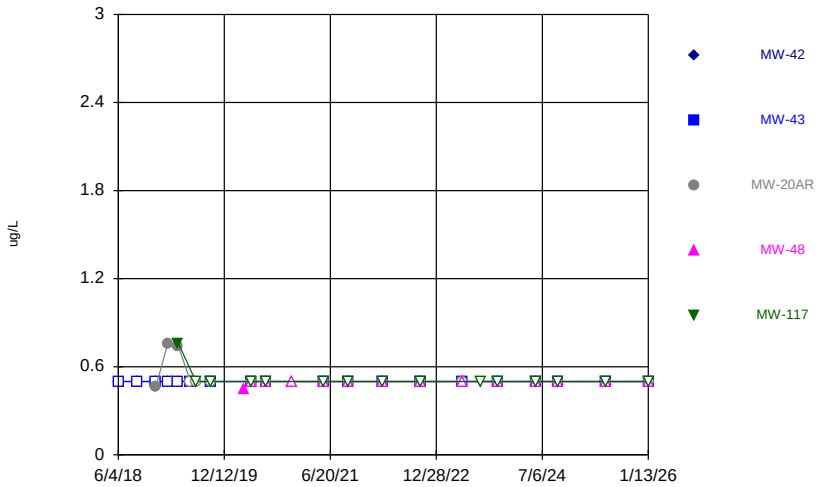
Time Series



Constituent: Toluene Analysis Run 4/24/2026 2:47 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

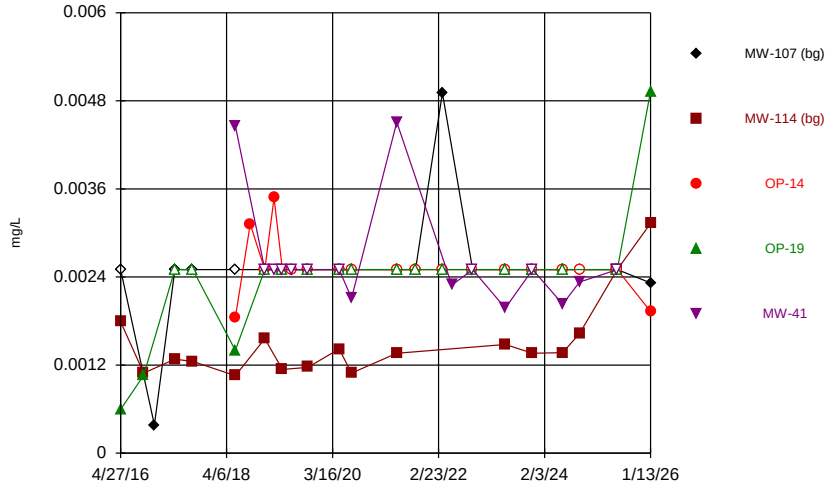
Time Series



Constituent: Toluene Analysis Run 4/24/2026 2:47 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

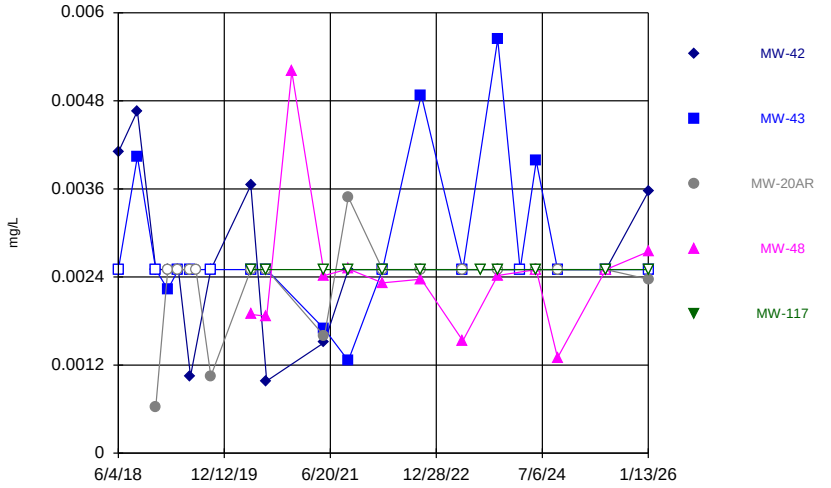
Time Series



Constituent: Vanadium Analysis Run 4/24/2026 2:47 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

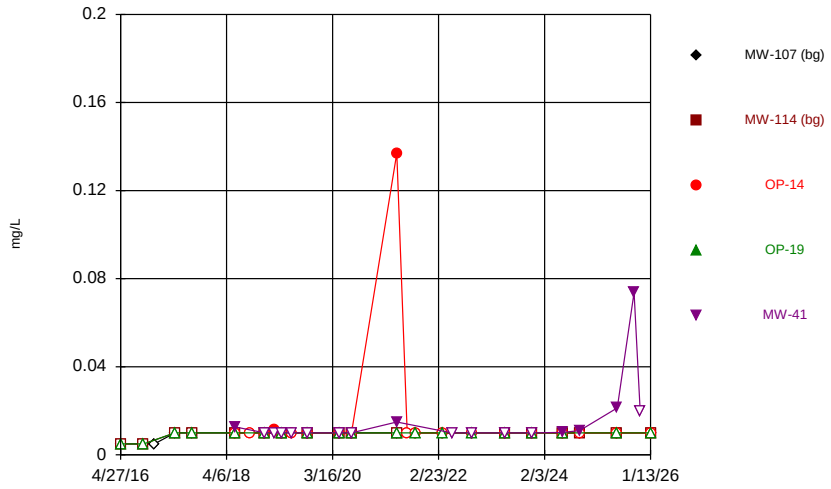
Time Series



Constituent: Vanadium Analysis Run 4/24/2026 2:47 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

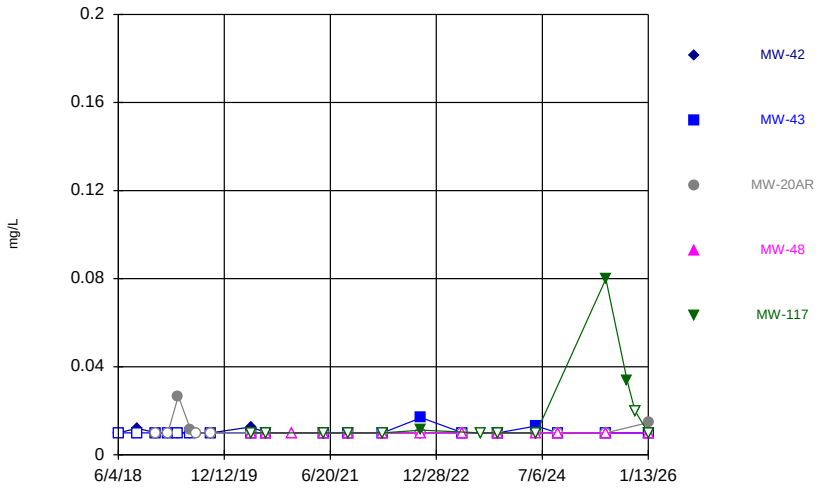
Time Series



Constituent: Zinc Analysis Run 4/24/2026 2:47 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Zinc Analysis Run 4/24/2026 2:47 PM View: 2025_AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Outlier Tests Summary Table and Graphs

BG Outlier Analysis

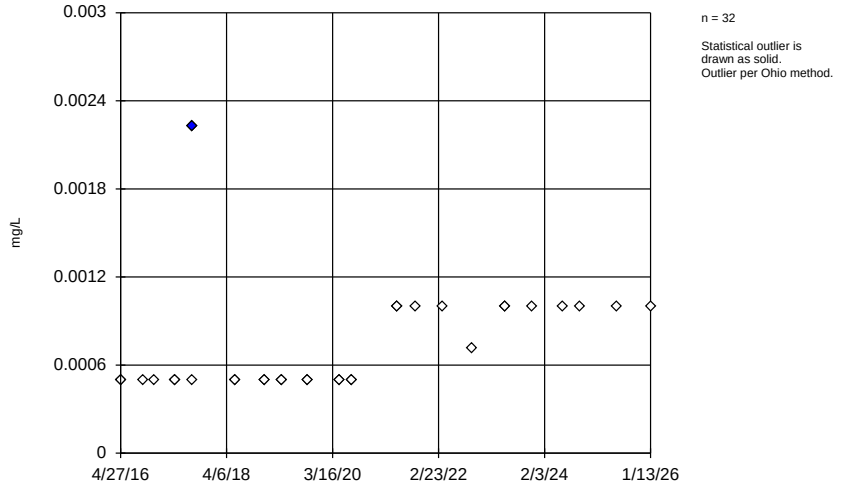
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/24/2026, 3:01 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	N	Mean	Std. Dev.
Antimony (mg/L)	**MW-114,MW-107BG**	**Yes**	**0.00223**	**n/a w/combined bg**	**OH**	**32**	**0.0007328**	**0.0003618**
Arsenic (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	OH	32	0.0009759	0.00007921
Barium (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	EPA/OH	32	0.1322	0.03741
Cadmium (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	OH	32	0.0001444	0.00009057
Chromium (mg/L)	**MW-114,MW-107BG**	**Yes**	**0.00134,0.00159,0.00145,0.00137,0.00101**	**n/a w/combined bg**	**NP (nrm)/OH**	**32**	**0.002276**	**0.0004568**
Cobalt (mg/L)	**MW-114,MW-107BG**	**Yes**	**0.000068,0.000085,0.00137,0.000805,0.00063,0.0000**	**n/a w/combined bg**	**NP (nrm)/OH**	**32**	**0.000371**	**0.0004741**
Copper (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	OH	32	0.002444	0.0003434
Lead (mg/L)	**MW-114,MW-107BG**	**Yes**	**0.000493,0.00502,0.000333,0.000138,0.000513,0.000**	**n/a w/combined bg**	**NP (nrm)/OH**	**32**	**0.0004827**	**0.0009155**
Nickel (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	OH	32	0.002524	0.001034
Selenium (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	OH	32	0.002282	0.0005278
Silver (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	OH	32	0.0005242	0.0001552
Thallium (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	OH	32	0.0004977	0.00001308
Vanadium (mg/L)	MW-114,MW-107BG	No	n/a	n/a w/combined bg	NP (nrm)/OH	32	0.001983	0.0008633

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 32

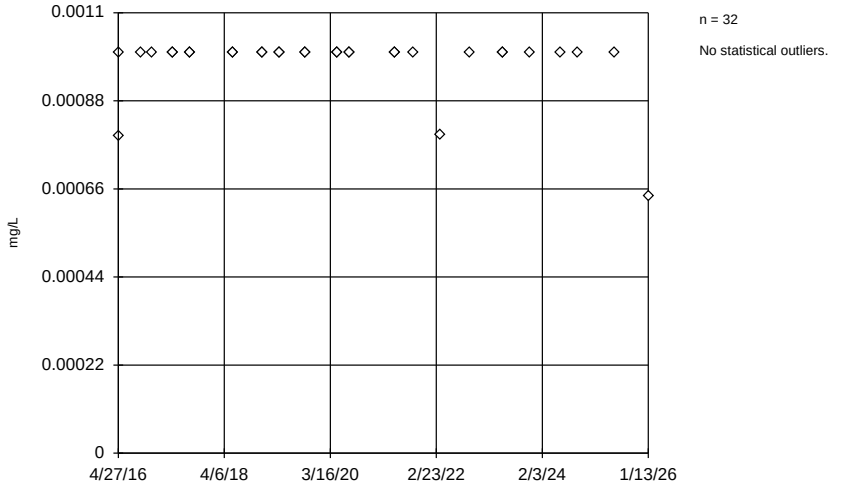
Statistical outlier is drawn as solid.
Outlier per Ohio method.

Constituent: Antimony Analysis Run 4/24/2026 2:56 PM View: 2025_AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 32

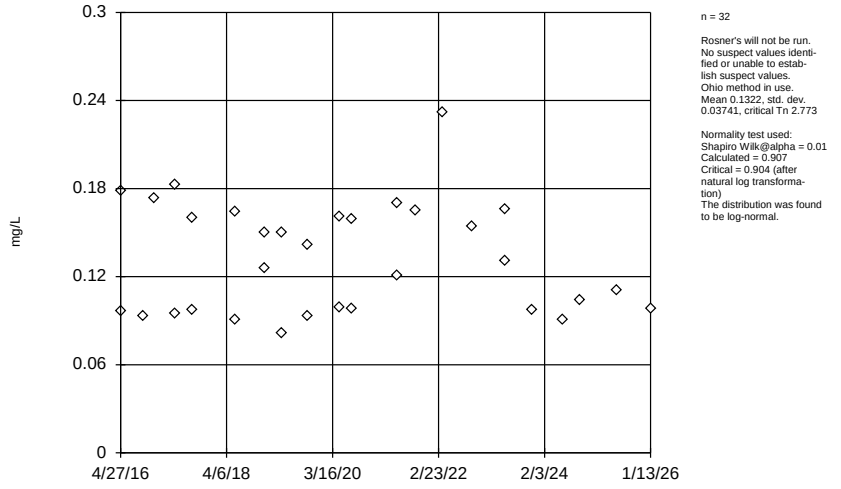
No statistical outliers.

Constituent: Arsenic Analysis Run 4/24/2026 2:56 PM View: 2025_AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Rosner's Test)

MW-114,MW-107BG



n = 32

Rosner's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.1322, std. dev. 0.03741, critical Tn 2.773

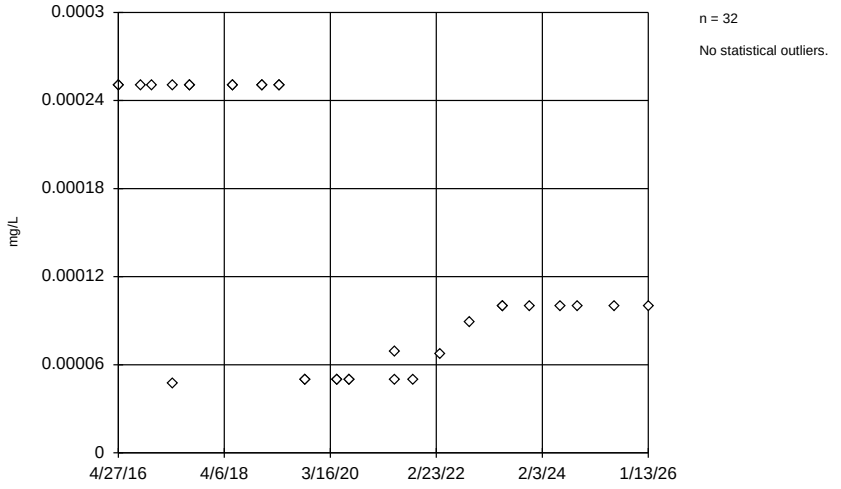
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.907
Critical = 0.904 (after natural log transformation)
The distribution was found to be log-normal.

Constituent: Barium Analysis Run 4/24/2026 2:56 PM View: 2025_AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 32

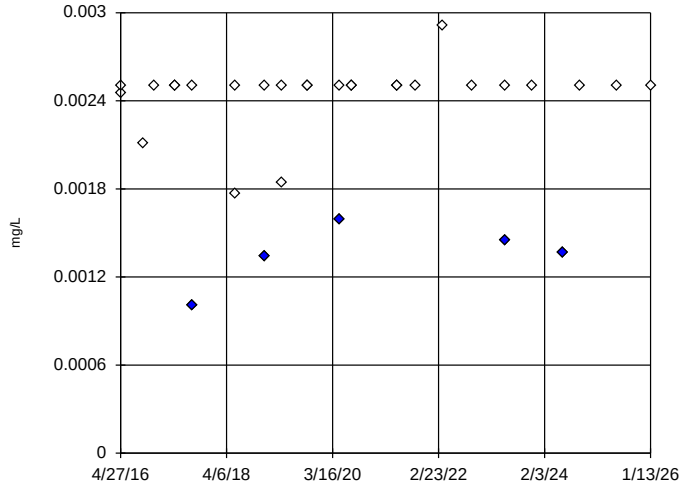
No statistical outliers.

Constituent: Cadmium Analysis Run 4/24/2026 2:56 PM View: 2025_AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 32

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

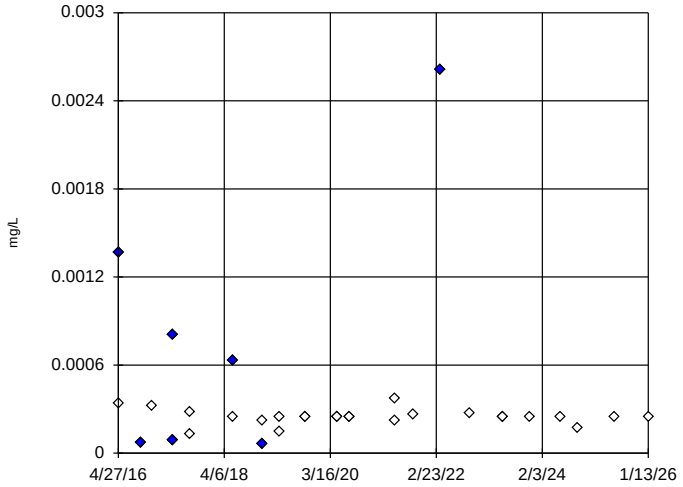
High cutoff = 0.00316, low cutoff = 0.00162, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 4/24/2026 2:56 PM View: 2025_AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 32

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

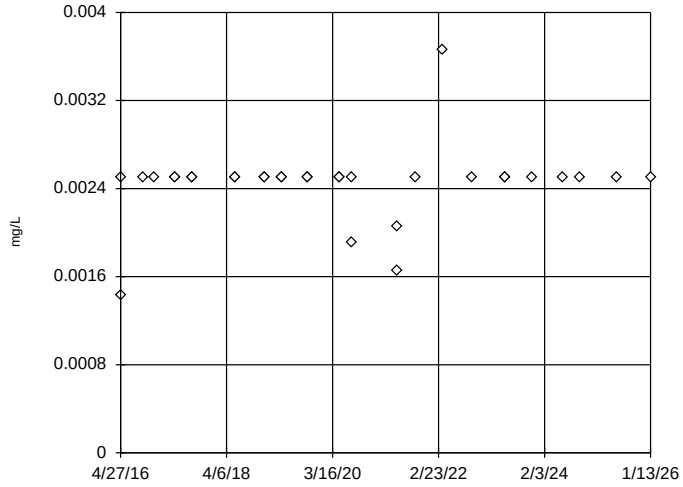
High cutoff = 0.000405, low cutoff = 0.0001075, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 4/24/2026 2:56 PM View: 2025_AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 32

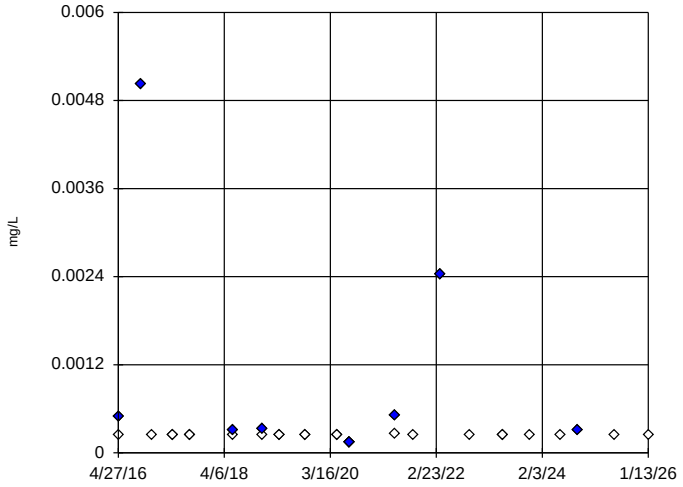
No statistical outliers.

Constituent: Copper Analysis Run 4/24/2026 2:56 PM View: 2025_AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 32

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

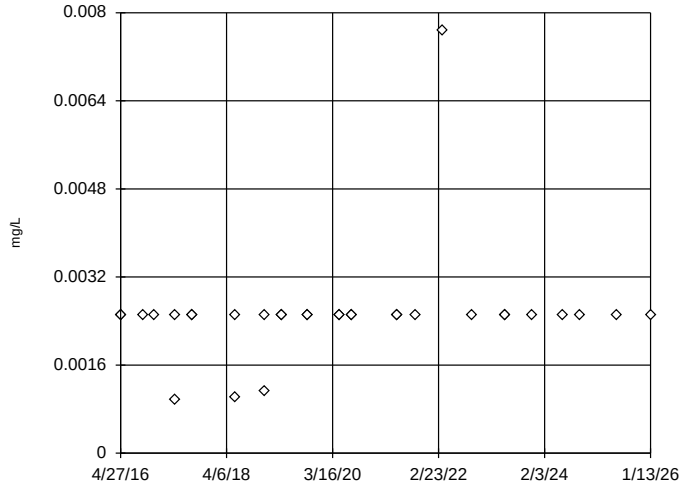
High cutoff = 0.00028, low cutoff = 0.0002275, based on IQR multiplier of 3.

Constituent: Lead Analysis Run 4/24/2026 2:56 PM View: 2025_AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 32

No statistical outliers.

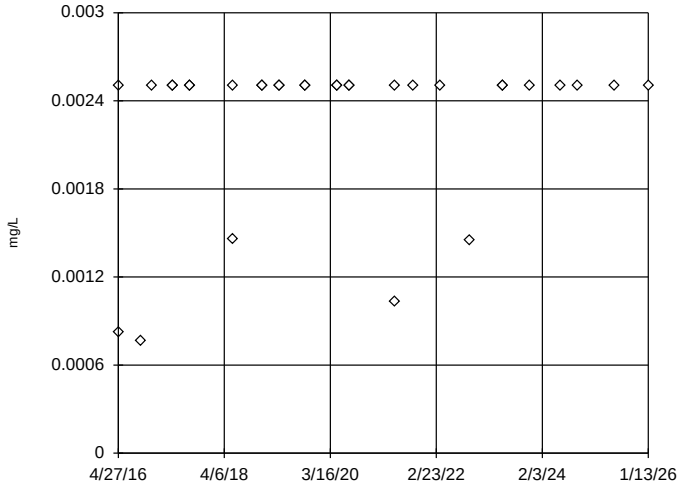
Constituent: Nickel Analysis Run 4/24/2026 2:56 PM View: 2025_AWQR-BG_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 32

No statistical outliers.

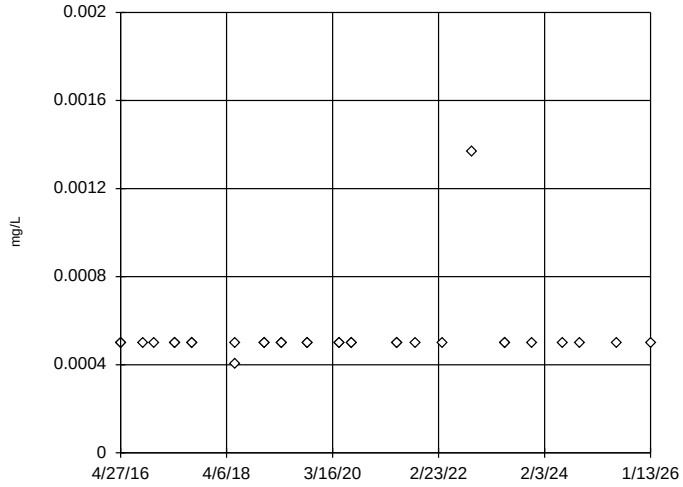
Constituent: Selenium Analysis Run 4/24/2026 2:56 PM View: 2025_AWQR-BG_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 32

No statistical outliers.

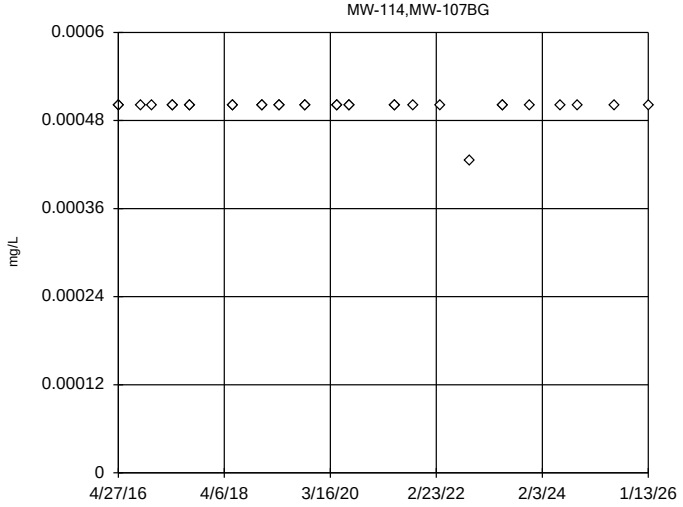
Constituent: Silver Analysis Run 4/24/2026 2:56 PM View: 2025_AWQR-BG_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 32

No statistical outliers.

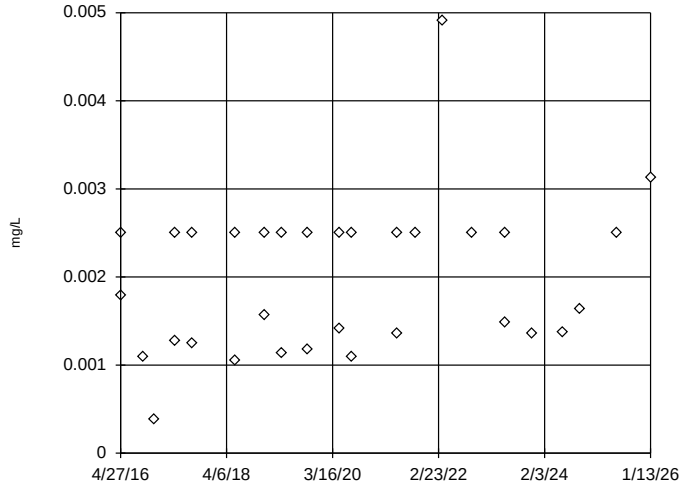
Constituent: Thallium Analysis Run 4/24/2026 2:56 PM View: 2025_AWQR-BG_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm, Pooled Background

MW-114,MW-107BG



n = 32

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

High cutoff = 0.00604, low cutoff = -0.00222, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 4/24/2026 2:56 PM View: 2025_AWQR-BG_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

MW-42 BG Outlier Analysis

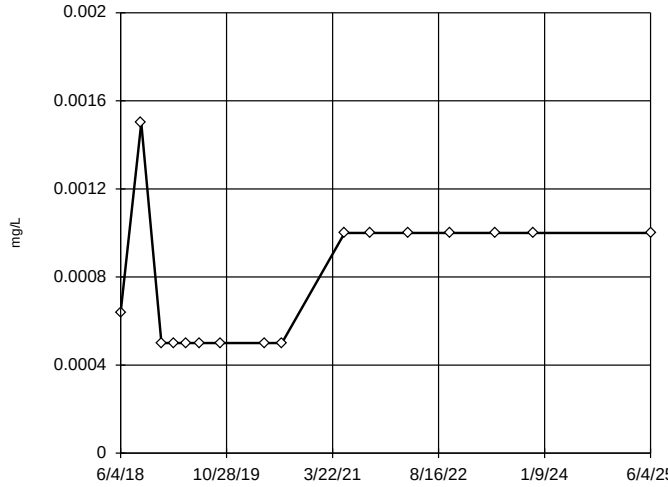
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/24/2026, 4:02 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	MW-42	No	n/a	n/a	OH	NaN	16	0.00079	0.0003081	n/a	n/a
Arsenic (mg/L)	MW-42	No	n/a	n/a	Dixon/OH	0.01	17	0.02956	0.0167	normal	ShapiroWilk
Barium (mg/L)	MW-42	No	n/a	n/a	EPA/OH	0.05	17	0.3367	0.05727	normal	ShapiroWilk
Cadmium (mg/L)	MW-42	No	n/a	n/a	OH	NaN	16	0.0001294	0.00008731	n/a	n/a
Chromium (mg/L)	MW-42	No	n/a	n/a	OH	NaN	16	0.002617	0.0007778	n/a	n/a
Cobalt (mg/L)	MW-42	No	n/a	n/a	EPA/OH	0.05	16	0.001164	0.0006341	normal	ShapiroWilk
Copper (mg/L)	MW-42	No	n/a	n/a	OH	NaN	16	0.002489	0.0001384	n/a	n/a
Lead (mg/L)	MW-42	No	n/a	n/a	EPA/OH	0.05	16	0.0006	0.0004959	ln(x)	ShapiroWilk
Nickel (mg/L)	**MW-42**	**Yes**	**0.00884**	**6/4/2018**	**NP (nrm)/OH**	**NaN**	**16**	**0.002959**	**0.001665**	**unknown**	**ShapiroWilk**
Vanadium (mg/L)	MW-42	No	n/a	n/a	NP (nrm)/OH	NaN	16	0.00256	0.0009617	unknown	ShapiroWilk
Zinc (mg/L)	MW-42	No	n/a	n/a	OH	NaN	16	0.0103	0.000827	n/a	n/a

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-42



n = 16

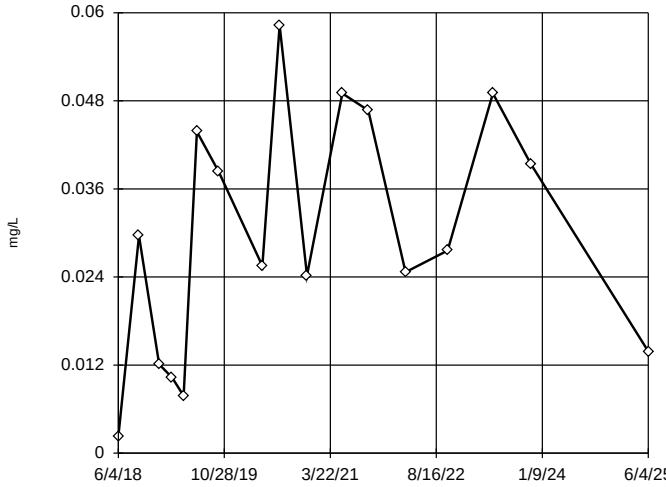
No statistical outliers.

Constituent: Antimony Analysis Run 4/24/2026 3:55 PM View: 2025_AWQR-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-42



n = 17

No statistical outliers.
Testing for 1 low outlier.
Mean = 0.02956.
Std. Dev. = 0.0167.
0.0023: c = 0.1713
tabl = 0.577.
Alpha = 0.01.

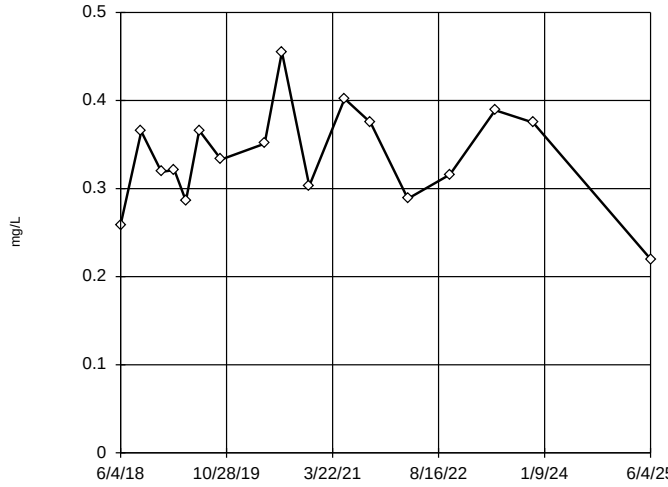
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.949
Critical = 0.844
The distribution was found to be normally distrib-uted.

Constituent: Arsenic Analysis Run 4/24/2026 3:55 PM View: 2025_AWQR-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-42



n = 17

Dixon's will not be run.
No suspect values identi-fied or unable to estab-lish suspect values.
Ohio method in use.
Mean 0.3367, std. dev. 0.05727, critical Tn 2.475

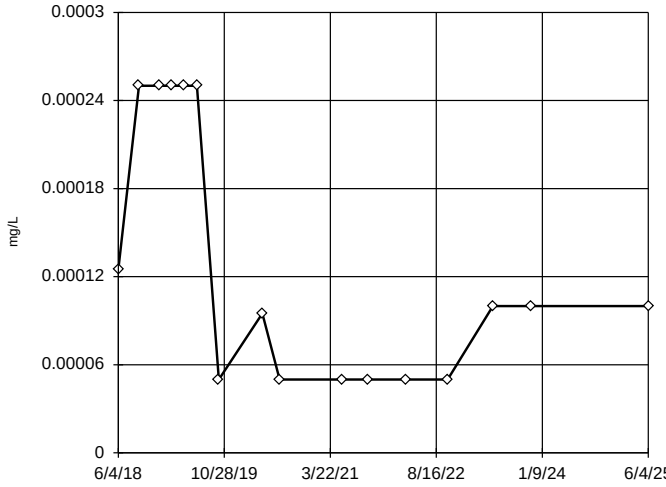
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9892
Critical = 0.851
The distribution was found to be normally distrib-uted.

Constituent: Barium Analysis Run 4/24/2026 3:55 PM View: 2025_AWQR-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-42



n = 16

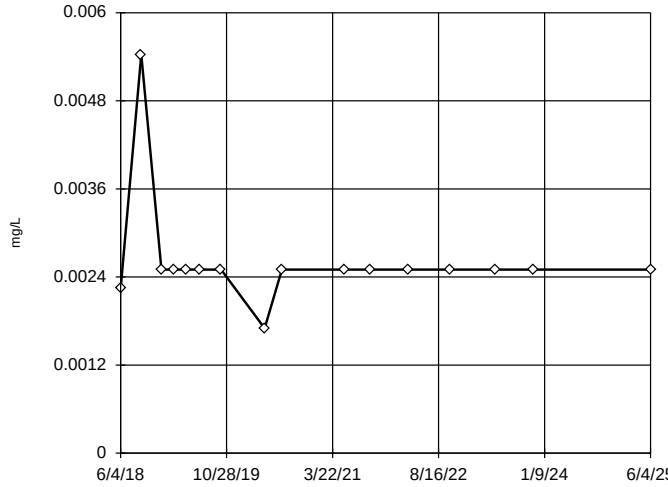
No statistical outliers.

Constituent: Cadmium Analysis Run 4/24/2026 3:55 PM View: 2025_AWQR-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-42



n = 16

No statistical outliers.

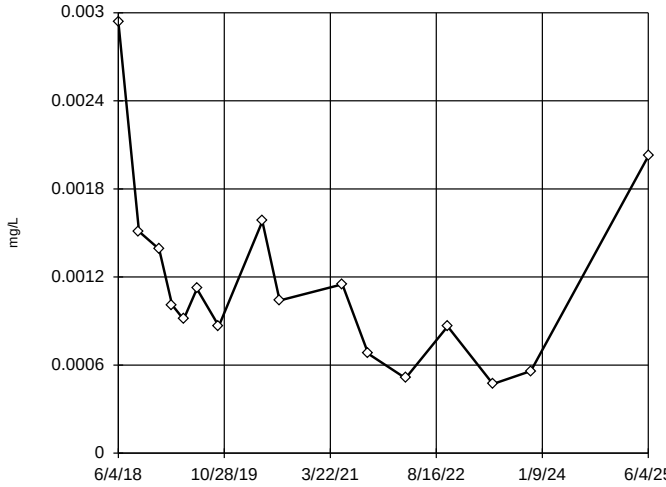
Constituent: Chromium Analysis Run 4/24/2026 3:55 PM View: 2025_AWQR-MW-42_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-42



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.001164, std. dev. 0.0006341, critical Tn 2.443

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8639
Critical = 0.844
The distribution was found to be normally distributed.

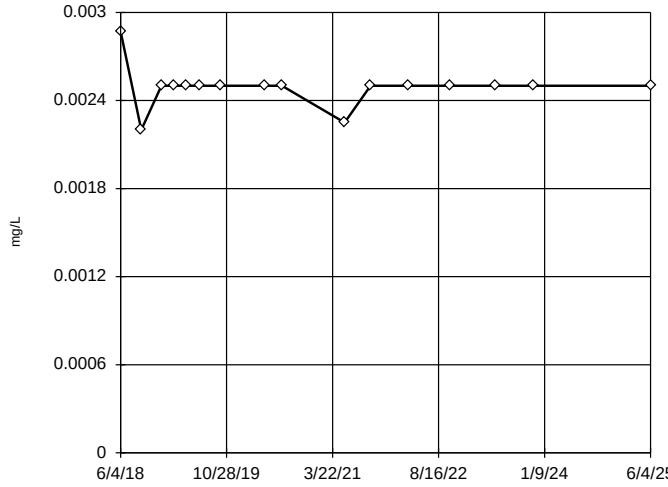
Constituent: Cobalt Analysis Run 4/24/2026 3:55 PM View: 2025_AWQR-MW-42_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-42



n = 16

No statistical outliers.

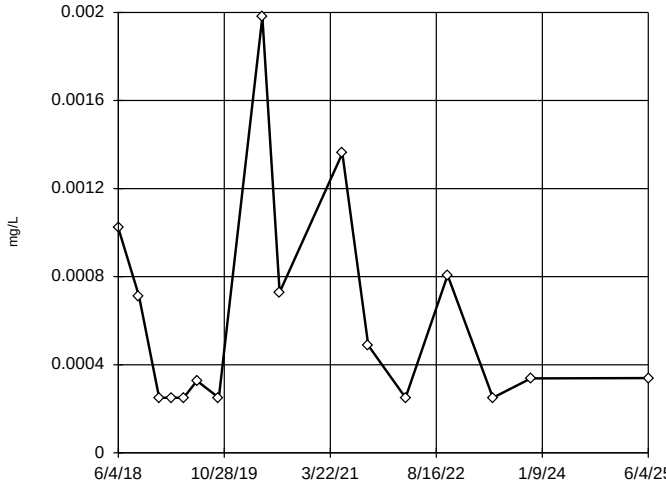
Constituent: Copper Analysis Run 4/24/2026 3:55 PM View: 2025_AWQR-MW-42_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-42



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.0006, std. dev. 0.0004959, critical Tn 2.443

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8476
Critical = 0.844 (after natural log transformation)
The distribution was found to be log-normal.

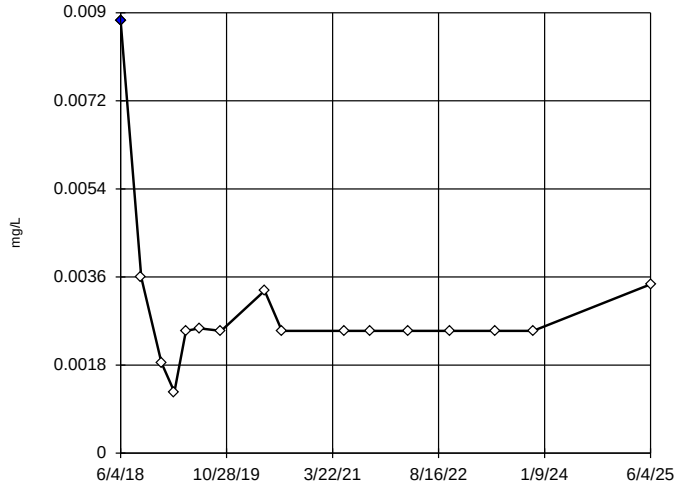
Constituent: Lead Analysis Run 4/24/2026 3:55 PM View: 2025_AWQR-MW-42_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-42



n = 16

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

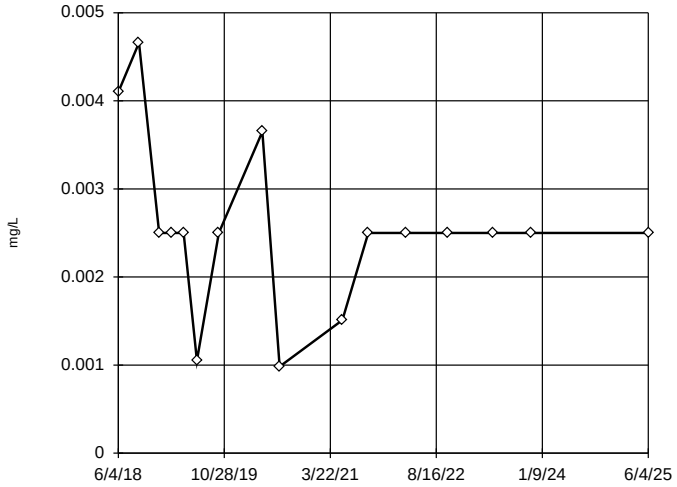
High cutoff = 0.00424, low cutoff = 0.001195, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 4/24/2026 3:55 PM View: 2025_AWQR-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-42



n = 16

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

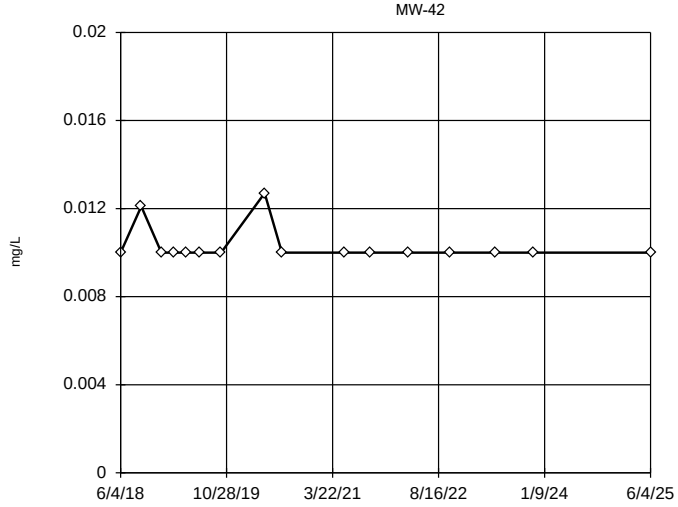
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 4/24/2026 3:55 PM View: 2025_AWQR-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-42



n = 16

No statistical outliers.

Constituent: Zinc Analysis Run 4/24/2026 3:55 PM View: 2025_AWQR-MW-42_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

MW-43 BG Outlier Analysis

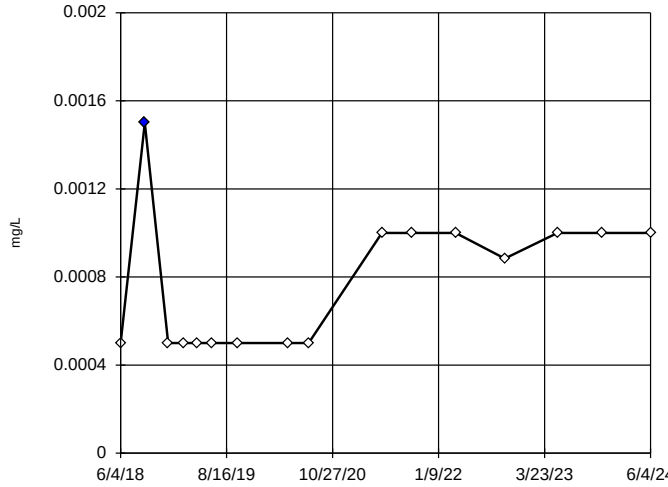
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/24/2026, 5:03 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	**MW-43**	**Yes**	**0.0015**	**9/12/2018**	**OH**	**NaN**	**16**	**0.000774**	**0.0003105**	**n/a**	**n/a**
Arsenic (mg/L)	**MW-43**	**Yes**	**0.00435**	**9/12/2018**	**Dixon/OH**	**0.01**	**16**	**0.001547**	**0.0008784**	**normal**	**ShapiroWilk**
Barium (mg/L)	MW-43	No	n/a	n/a	EPA/OH	0.05	16	0.1408	0.07066	normal	ShapiroWilk
Cadmium (mg/L)	**MW-43**	**Yes**	**0.00025,0.00025,0.00025,0.00025,0.00025,0.00025**	**6/4/2018,9/12/2018,12/18/2018,2/19/2019,4/15/2019**	**OH**	**NaN**	**16**	**0.0001364**	**0.00009279**	**n/a**	**n/a**
Chromium (mg/L)	MW-43	No	n/a	n/a	OH	NaN	17	0.002743	0.0009467	n/a	n/a
Cobalt (mg/L)	MW-43	No	n/a	n/a	Dixon/OH	0.01	16	0.00107	0.0006244	normal	ShapiroWilk
Copper (mg/L)	MW-43	No	n/a	n/a	NP (nrm)/OH	NaN	17	0.002923	0.0009533	unknown	ShapiroWilk
Lead (mg/L)	MW-43	No	n/a	n/a	NP (nrm)/OH	NaN	17	0.0004093	0.0002502	unknown	ShapiroWilk
Nickel (mg/L)	**MW-43**	**Yes**	**0.00123,0.00341,0.0039**	**12/18/2018,3/21/2022,11/15/2023**	**NP (nrm)/OH**	**NaN**	**16**	**0.002394**	**0.0006742**	**unknown**	**ShapiroWilk**
Selenium (mg/L)	MW-43	No	n/a	n/a	OH	NaN	16	0.002374	0.0003549	n/a	n/a
Vanadium (mg/L)	**MW-43**	**Yes**	**0.00564**	**11/15/2023**	**NP (nrm)/OH**	**NaN**	**17**	**0.002866**	**0.00112**	**unknown**	**ShapiroWilk**
Zinc (mg/L)	MW-43	No	n/a	n/a	OH	NaN	16	0.01062	0.001832	n/a	n/a

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-43



n = 16

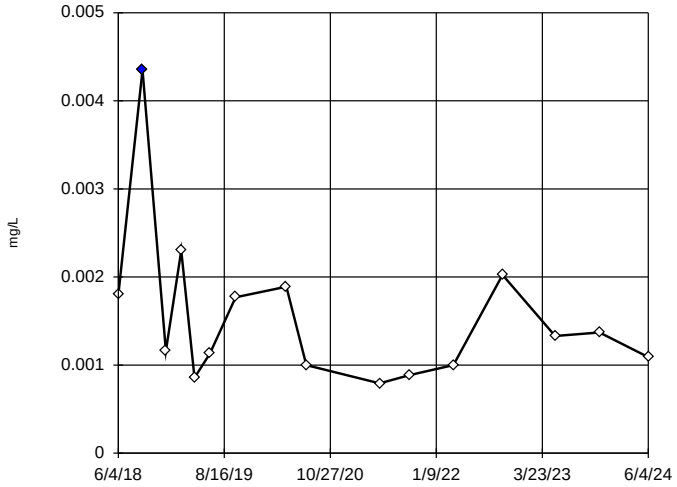
Statistical outlier is drawn as solid.
Outlier per Ohio method.

Constituent: Antimony Analysis Run 4/24/2026 4:47 PM View: 2025_AWQR-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-43



n = 16

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 0.001547.
Std. Dev. = 0.0008784.
0.00435: c = 0.6714
tabl = 0.595.
Alpha = 0.01.

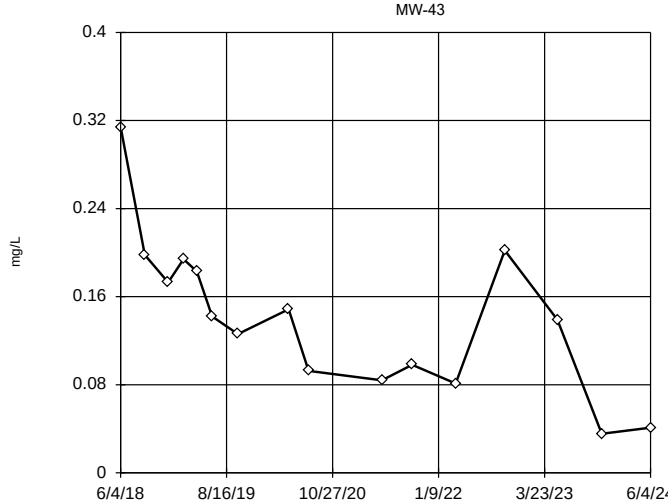
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9057
Critical = 0.835
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Arsenic Analysis Run 4/24/2026 4:47 PM View: 2025_AWQR-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-43



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.1408, std. dev. 0.07066, critical Tn 2.443

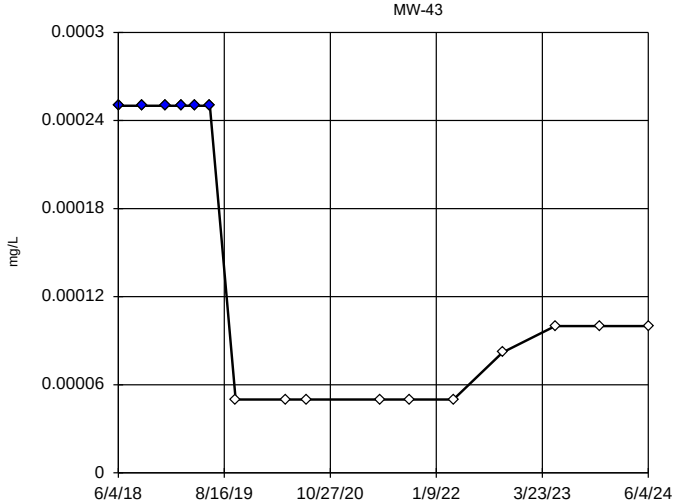
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9484
Critical = 0.844
The distribution was found to be normally distributed.

Constituent: Barium Analysis Run 4/24/2026 4:47 PM View: 2025_AWQR-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-43



n = 16

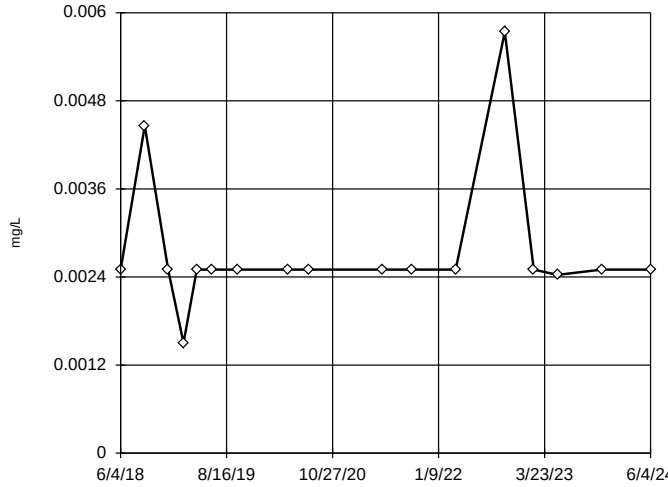
Statistical outlier is drawn as solid.
Outlier per Ohio method.

Constituent: Cadmium Analysis Run 4/24/2026 4:47 PM View: 2025_AWQR-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-43



n = 17

No statistical outliers.

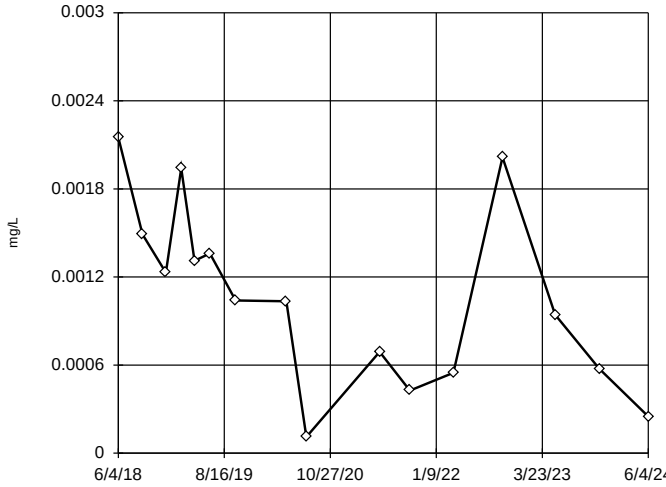
Constituent: Chromium Analysis Run 4/24/2026 4:47 PM View: 2025_AWQR-MW-43_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-43



n = 16

No statistical outliers.
Testing for 1 low outlier.
Mean = 0.00107.
Std. Dev. = 0.0006244.
0.00011 (J): c = 0.1732
tabl = 0.595.
Alpha = 0.01.

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9536
Critical = 0.835
The distribution was found to be normally distrib-uted.

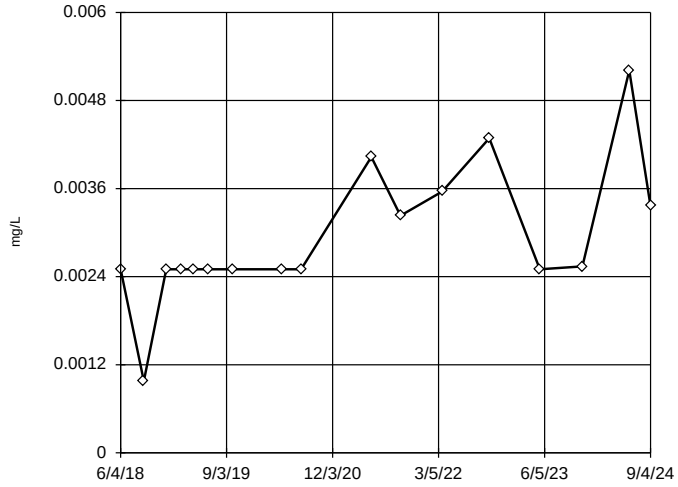
Constituent: Cobalt Analysis Run 4/24/2026 4:47 PM View: 2025_AWQR-MW-43_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-43



n = 17

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

High cutoff = 0.00634, low cutoff = -0.00038, based on IQR multiplier of 3.

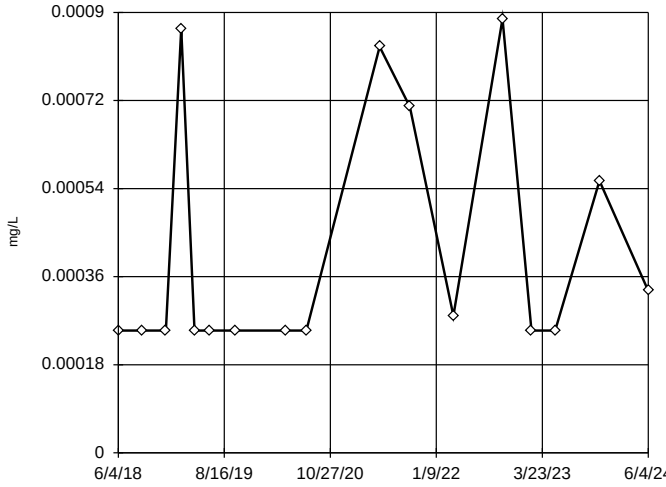
Constituent: Copper Analysis Run 4/24/2026 4:47 PM View: 2025_AWQR-MW-43_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-43



n = 17

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

High cutoff = 0.001776, low cutoff = -0.0008945, based on IQR multiplier of 3.

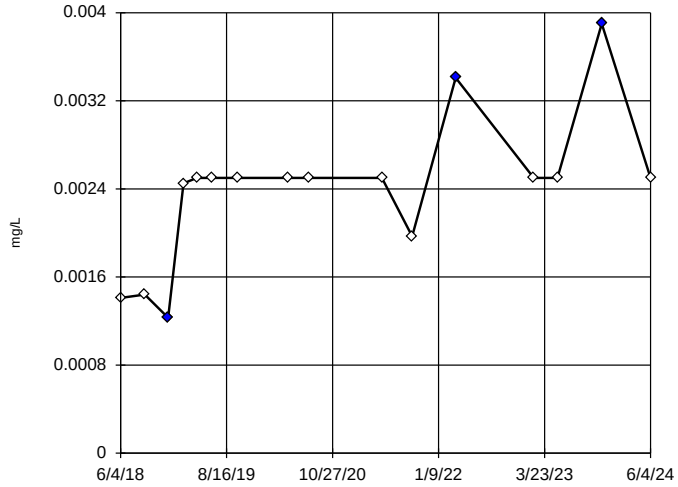
Constituent: Lead Analysis Run 4/24/2026 4:47 PM View: 2025_AWQR-MW-43_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-43



n = 16

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

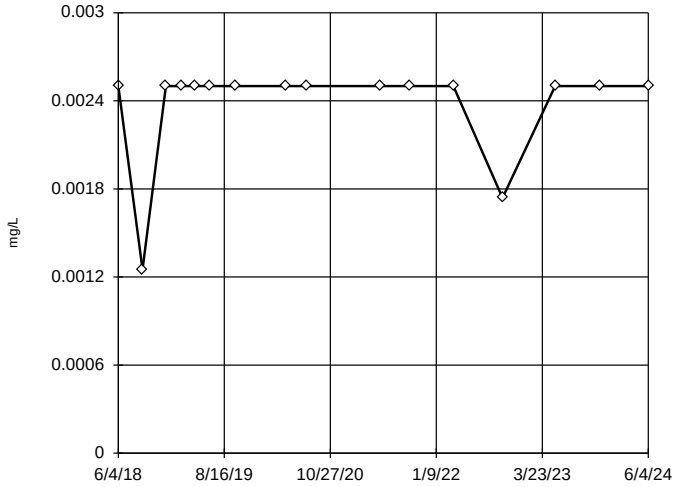
High cutoff = 0.00337, low cutoff = 0.00134, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 4/24/2026 4:47 PM View: 2025_AWQR-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-43



n = 16

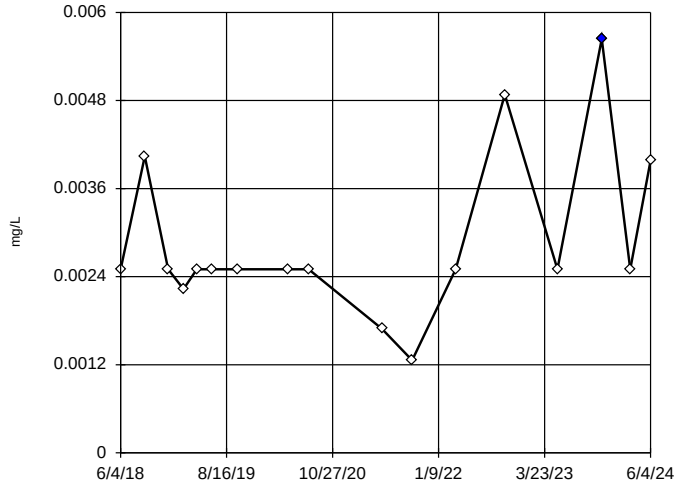
No statistical outliers.

Constituent: Selenium Analysis Run 4/24/2026 4:47 PM View: 2025_AWQR-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-43



n = 17

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

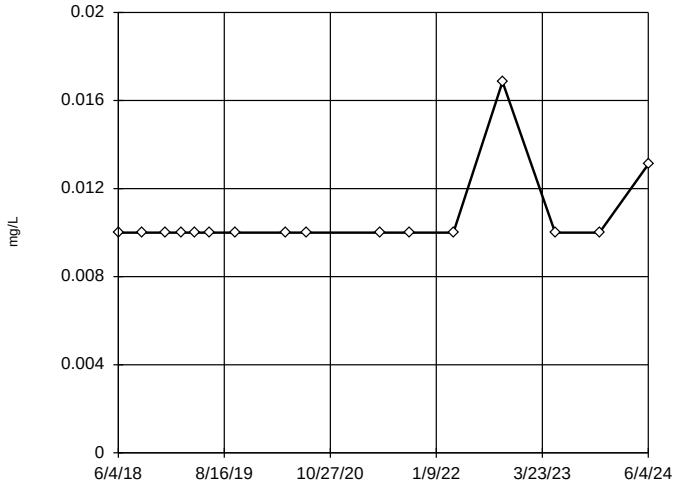
High cutoff = 0.00546, low cutoff = 0.00028, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 4/24/2026 4:47 PM View: 2025_AWQR-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-43



n = 16

No statistical outliers.

Constituent: Zinc Analysis Run 4/24/2026 4:47 PM View: 2025_AWQR-MW-43_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

MW-48 BG Outlier Analysis

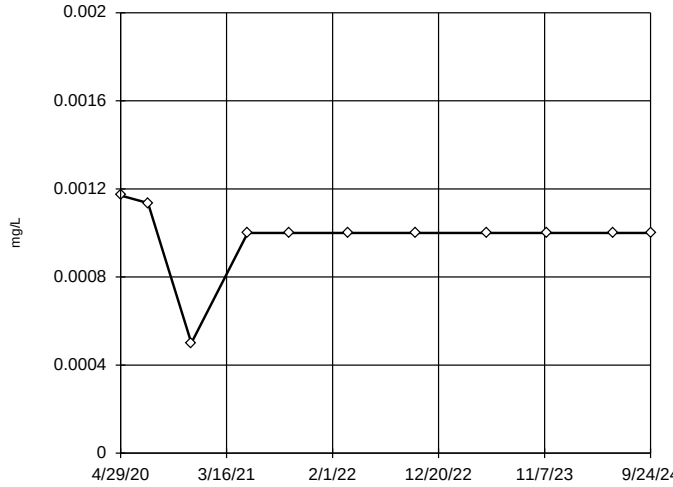
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/24/2026, 5:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	MW-48	No	n/a	n/a	OH	NaN	11	0.0009823	0.0001714	n/a	n/a
Arsenic (mg/L)	MW-48	No	n/a	n/a	EPA/OH	0.05	11	0.0009498	0.0001659	normal	ShapiroWilk
Barium (mg/L)	MW-48	No	n/a	n/a	EPA/OH	0.05	12	0.08778	0.007907	normal	ShapiroWilk
Cadmium (mg/L)	MW-48	No	n/a	n/a	EPA/OH	0.05	11	0.00008427	0.00002262	normal	ShapiroWilk
Chromium (mg/L)	MW-48	No	n/a	n/a	EPA/OH	0.05	11	0.002716	0.001106	normal	ShapiroWilk
Cobalt (mg/L)	**MW-48**	**Yes**	**0.00517**	**11/30/2020**	**Dixon/OH**	**0.01**	**11**	**0.0007235**	**0.001477**	**normal**	**ShapiroWilk**
Copper (mg/L)	**MW-48**	**Yes**	**0.00761**	**11/30/2020**	**Dixon/OH**	**0.01**	**11**	**0.00388**	**0.001397**	**normal**	**ShapiroWilk**
Lead (mg/L)	**MW-48**	**Yes**	**0.00129**	**11/30/2020**	**NP (nrm)/OH**	**NaN**	**11**	**0.0003544**	**0.0003113**	**unknown**	**ShapiroWilk**
Nickel (mg/L)	**MW-48**	**Yes**	**0.0198**	**11/30/2020**	**Dixon/OH**	**0.01**	**11**	**0.006602**	**0.004631**	**normal**	**ShapiroWilk**
Selenium (mg/L)	MW-48	No	n/a	n/a	NP (nrm)/OH	NaN	11	0.001939	0.0006648	unknown	ShapiroWilk
Vanadium (mg/L)	**MW-48**	**Yes**	**0.0052**	**11/30/2020**	**Dixon/OH**	**0.01**	**11**	**0.002393**	**0.001019**	**normal**	**ShapiroWilk**

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-48



n = 11

No statistical outliers.

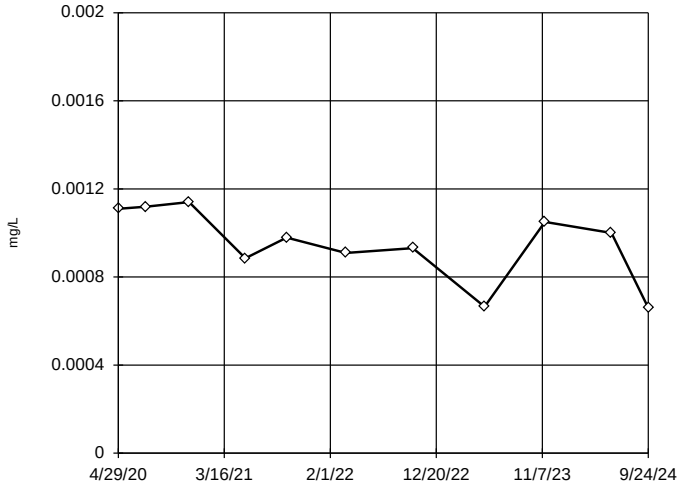
Constituent: Antimony Analysis Run 4/24/2026 5:29 PM View: 2025_AWQR-MW-48_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-48



n = 11

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.0009498, std. dev. 0.0001659, critical Tn 2.234

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8909
Critical = 0.792
The distribution was found to be normally distributed.

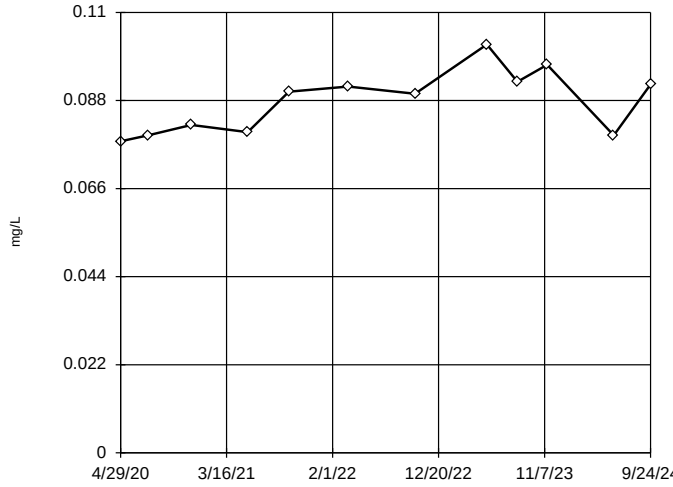
Constituent: Arsenic Analysis Run 4/24/2026 5:29 PM View: 2025_AWQR-MW-48_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-48



n = 12

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.08778, std. dev. 0.007907, critical Tn 2.285

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9112
Critical = 0.805
The distribution was found to be normally distributed.

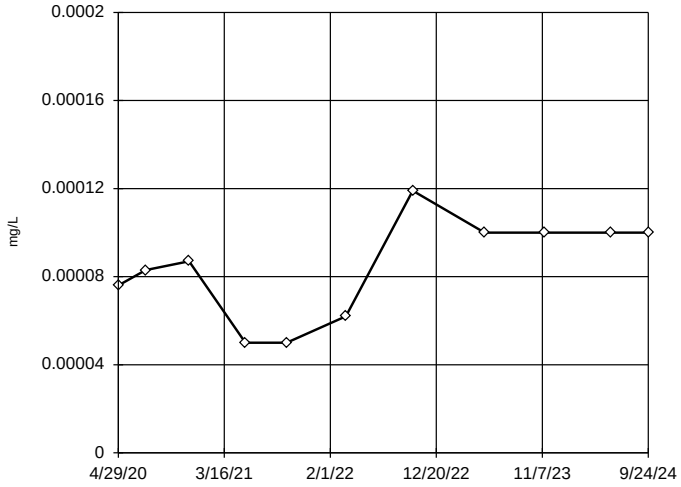
Constituent: Barium Analysis Run 4/24/2026 5:29 PM View: 2025_AWQR-MW-48_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-48



n = 11

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.00008427, std. dev. 0.00002262, critical Tn 2.234

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9147
Critical = 0.792
The distribution was found to be normally distributed.

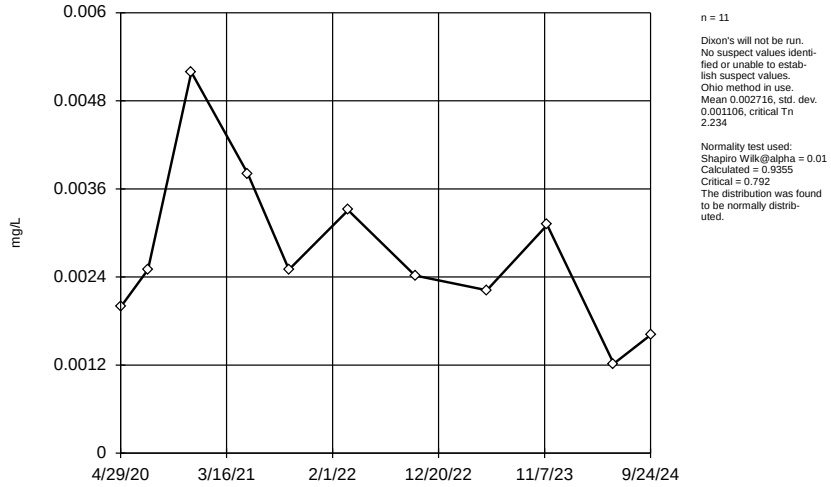
Constituent: Cadmium Analysis Run 4/24/2026 5:29 PM View: 2025_AWQR-MW-48_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-48



n = 11

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.002716, std. dev. 0.001106, critical Tn 2.234

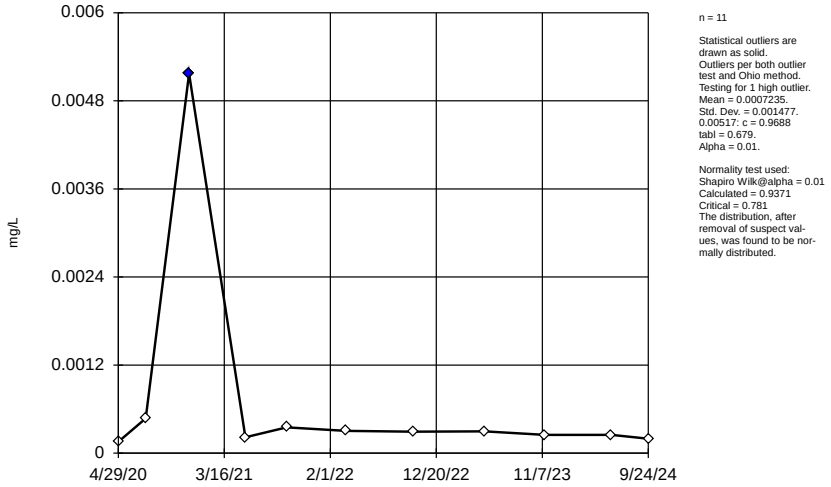
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9355
Critical = 0.792
The distribution was found to be normally distributed.

Constituent: Chromium Analysis Run 4/24/2026 5:29 PM View: 2025_AWQR-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-48



n = 11

Statistical outliers are drawn as solid.
Outliers per both outlier test and Ohio method.
Testing for 1 high outlier.
Mean = 0.0007235.
Std. Dev. = 0.001477.
0.00517: c = 0.9688
tabl = 0.679.
Alpha = 0.01.

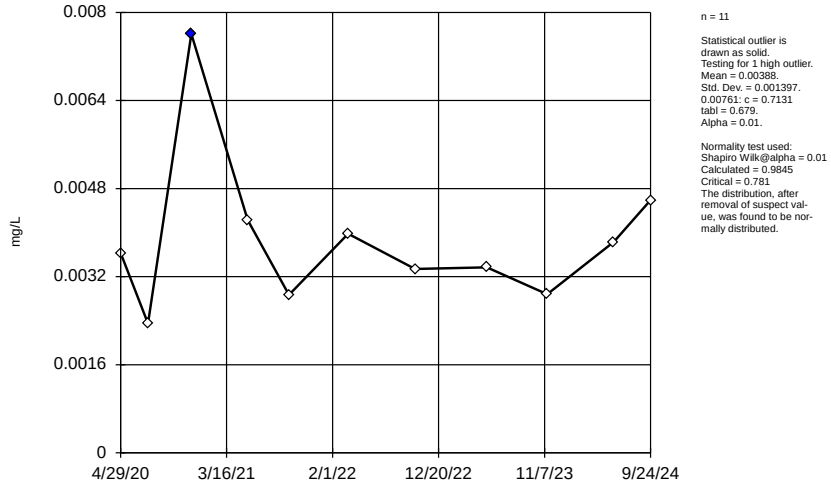
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9371
Critical = 0.781
The distribution, after removal of suspect values, was found to be normally distributed.

Constituent: Cobalt Analysis Run 4/24/2026 5:29 PM View: 2025_AWQR-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-48



n = 11

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 0.00388.
Std. Dev. = 0.001397.
0.00761: c = 0.7131
tabl = 0.679.
Alpha = 0.01.

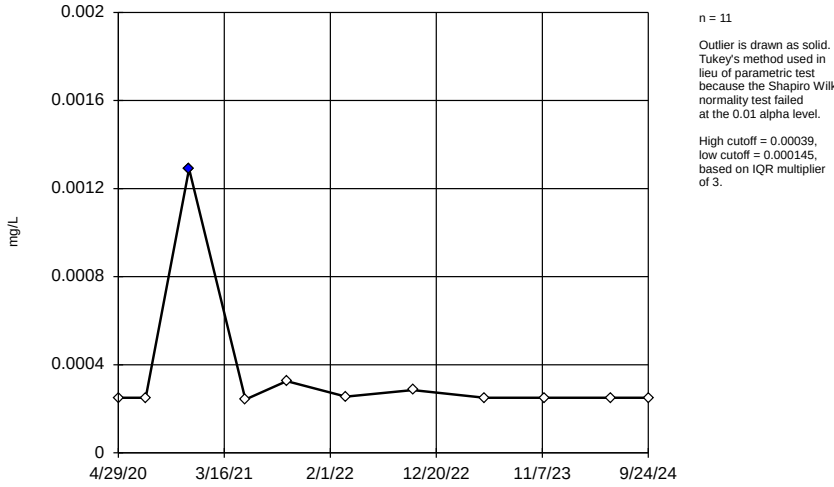
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9845
Critical = 0.781
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Copper Analysis Run 4/24/2026 5:29 PM View: 2025_AWQR-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-48



n = 11

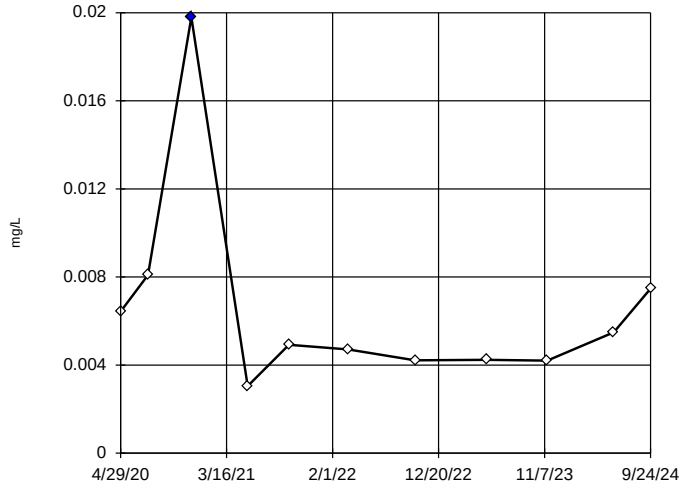
Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

High cutoff = 0.00039,
low cutoff = 0.000145,
based on IQR multiplier of 3.

Constituent: Lead Analysis Run 4/24/2026 5:29 PM View: 2025_AWQR-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-48



n = 11

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 0.006602.
Std. Dev. = 0.004631.
0.0198: c = 0.7904
tabl = 0.679.
Alpha = 0.01.

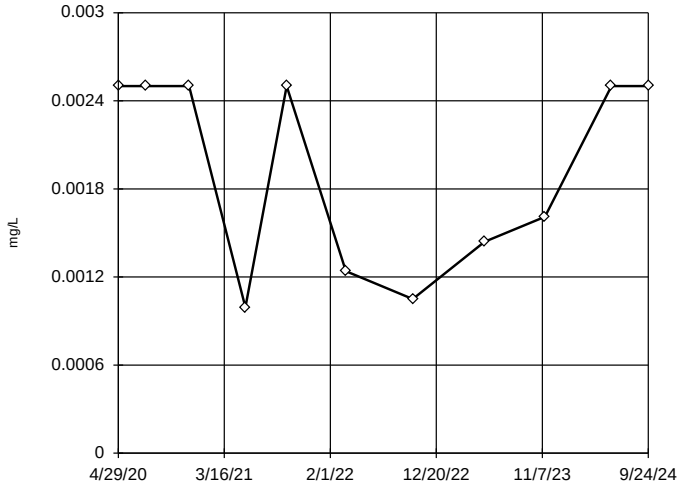
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.927
Critical = 0.781
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Nickel Analysis Run 4/24/2026 5:29 PM View: 2025_AWQR-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-48



n = 11

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

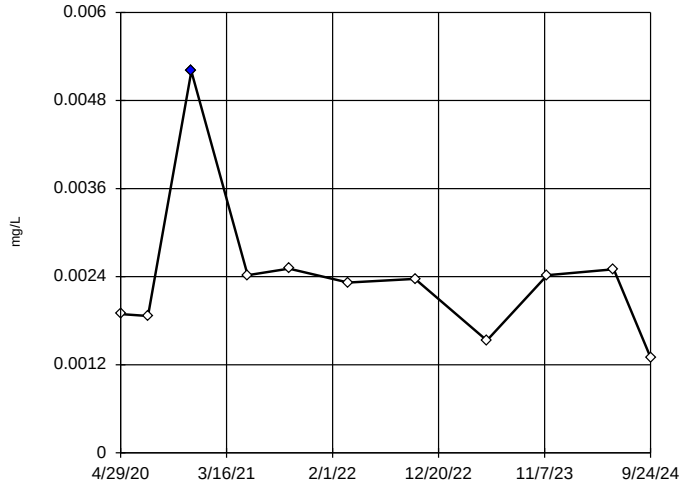
High cutoff = 0.00628, low cutoff = -0.00254, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 4/24/2026 5:29 PM View: 2025_AWQR-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

MW-48



n = 11

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 0.002393.
Std. Dev. = 0.001019.
0.0052: c = 0.7357
tabl = 0.679.
Alpha = 0.01.

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8378
Critical = 0.781
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Vanadium Analysis Run 4/24/2026 5:29 PM View: 2025_AWQR-MW-48_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

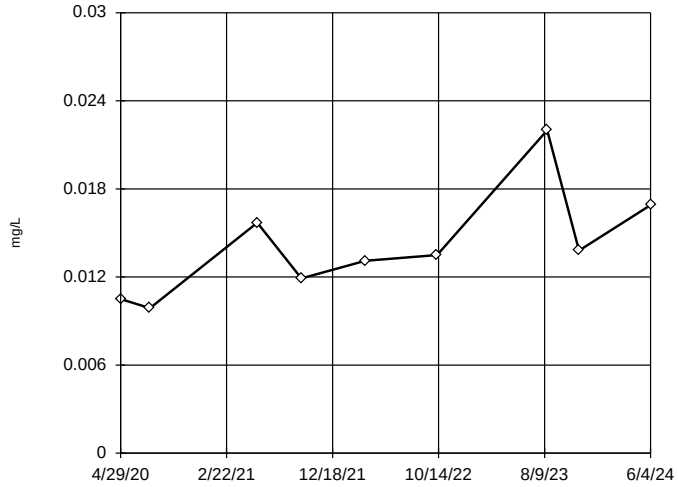
MW-117 BG Outlier Analysis

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/27/2026, 9:41 AM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Arsenic (mg/L)	MW-117	No	n/a	n/a	EPA/OH	0.05	9	0.01414	0.003706	normal	ShapiroWilk
Barium (mg/L)	MW-117	No	n/a	n/a	EPA/OH	0.05	9	0.4442	0.07075	normal	ShapiroWilk
Cobalt (mg/L)	MW-117	No	n/a	n/a	EPA/OH	0.05	9	0.006918	0.005522	normal	ShapiroWilk
Copper (mg/L)	MW-117	No	n/a	n/a	OH	NaN	9	0.002602	0.0003067	n/a	n/a
Lead (mg/L)	MW-117	No	n/a	n/a	OH	NaN	9	0.0002502	6.7e-7	n/a	n/a
Nickel (mg/L)	MW-117	No	n/a	n/a	EPA/OH	0.05	9	0.005201	0.003701	normal	ShapiroWilk
Silver (mg/L)	MW-117	No	n/a	n/a	OH	NaN	9	0.0004954	0.00001367	n/a	n/a
Zinc (mg/L)	MW-117	No	n/a	n/a	OH	NaN	9	0.01013	0.0004	n/a	n/a

EPA Screening (suspected outliers for Dixon's Test)

MW-117



n = 9

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.01414, std. dev. 0.003706, critical Tn 2.11

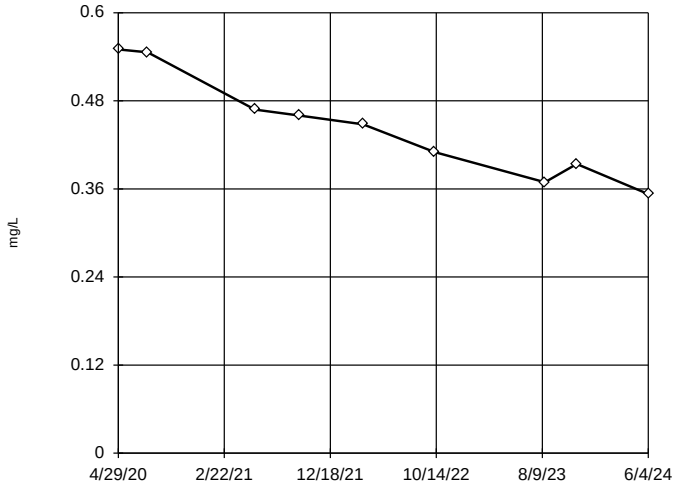
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9157
Critical = 0.764
The distribution was found to be normally distributed.

Constituent: Arsenic Analysis Run 4/27/2026 9:23 AM View: 2025_AWQR-MW-117_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-117



n = 9

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.4442, std. dev. 0.07075, critical Tn 2.11

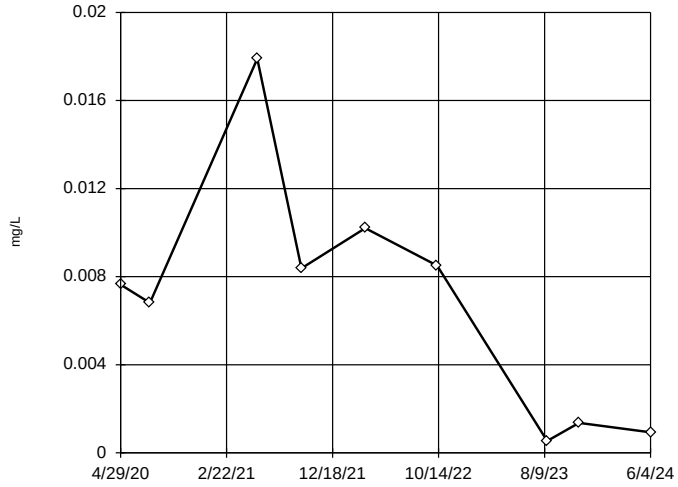
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9279
Critical = 0.764
The distribution was found to be normally distributed.

Constituent: Barium Analysis Run 4/27/2026 9:23 AM View: 2025_AWQR-MW-117_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-117



n = 9

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.006918, std. dev. 0.005522, critical Tn 2.11

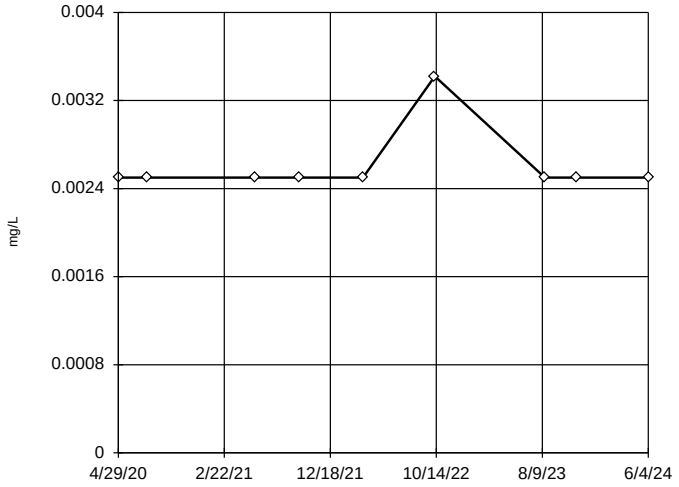
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8963
Critical = 0.764
The distribution was found to be normally distributed.

Constituent: Cobalt Analysis Run 4/27/2026 9:23 AM View: 2025_AWQR-MW-117_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-117



n = 9

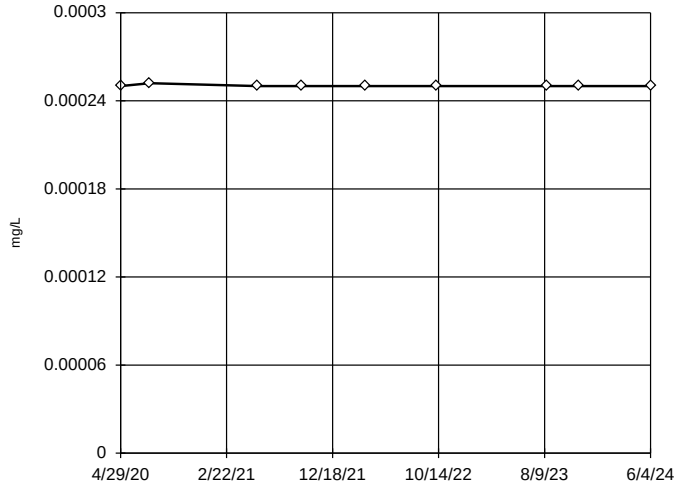
No statistical outliers.

Constituent: Copper Analysis Run 4/27/2026 9:23 AM View: 2025_AWQR-MW-117_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-117



n = 9

No statistical outliers.

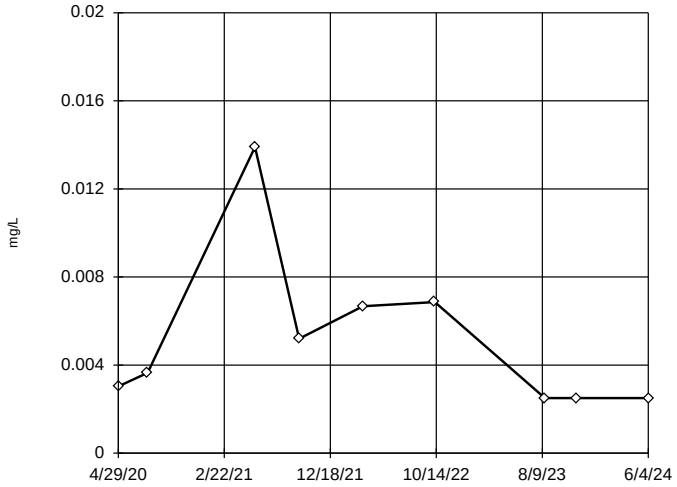
Constituent: Lead Analysis Run 4/27/2026 9:23 AM View: 2025_AWQR-MW-117_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-117



n = 9

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.005201, std. dev. 0.003701, critical Tn 2.11

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.765
Critical = 0.764
The distribution was found to be normally distributed.

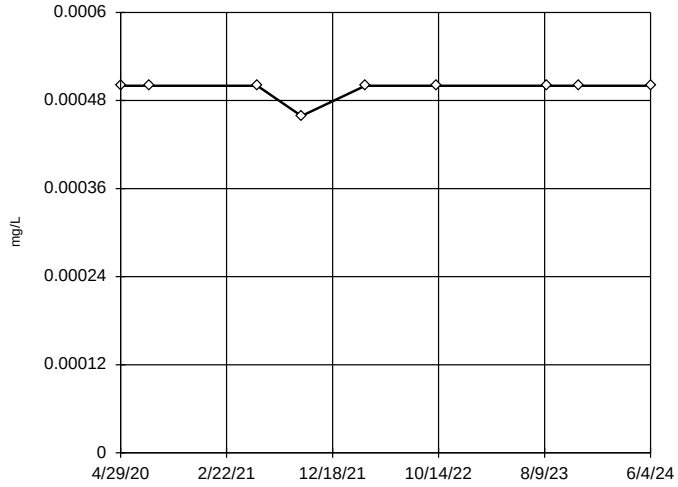
Constituent: Nickel Analysis Run 4/27/2026 9:23 AM View: 2025_AWQR-MW-117_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-117



n = 9

No statistical outliers.

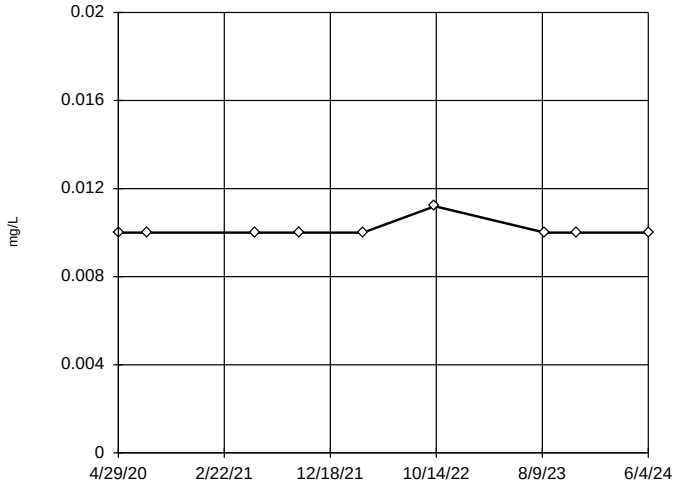
Constituent: Silver Analysis Run 4/27/2026 9:23 AM View: 2025_AWQR-MW-117_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-117



n = 9

No statistical outliers.

Constituent: Zinc Analysis Run 4/27/2026 9:23 AM View: 2025_AWQR-MW-117_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

OP-14 BG Outlier Analysis

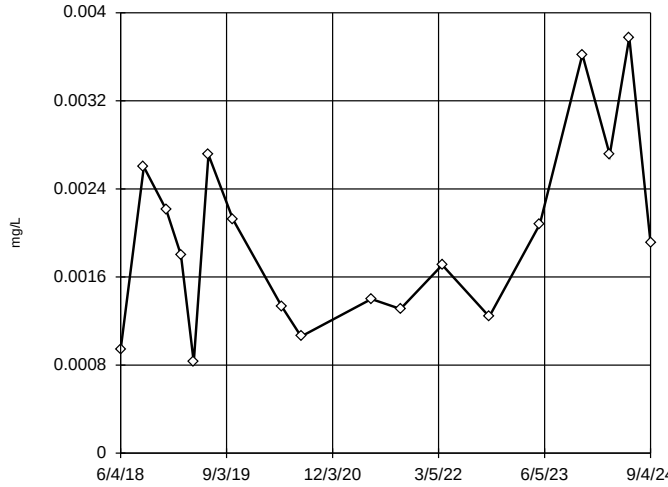
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/24/2026, 5:58 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Arsenic (mg/L)	OP-14	No	n/a	n/a	EPA/OH	0.05	18	0.001964	0.0008597	normal	ShapiroWilk
Barium (mg/L)	OP-14	No	n/a	n/a	EPA/OH	0.05	16	0.1787	0.07377	normal	ShapiroWilk
Cadmium (mg/L)	OP-14	No	n/a	n/a	EPA/OH	0.05	16	0.0001488	0.0001029	normal	ShapiroWilk
Chromium (mg/L)	OP-14	No	n/a	n/a	OH	NaN	16	0.002514	0.0003998	n/a	n/a
Cobalt (mg/L)	OP-14	No	n/a	n/a	EPA/OH	0.05	16	0.006499	0.006808	ln(x)	ShapiroWilk
Copper (mg/L)	OP-14	No	n/a	n/a	OH	NaN	16	0.002539	0.0005704	n/a	n/a
Lead (mg/L)	OP-14	No	n/a	n/a	OH	NaN	16	0.00028	0.0001069	n/a	n/a
Nickel (mg/L)	OP-14	No	n/a	n/a	EPA/OH	0.05	16	0.01819	0.01173	normal	ShapiroWilk
Selenium (mg/L)	OP-14	No	n/a	n/a	OH	NaN	16	0.002387	0.0003338	n/a	n/a
Silver (mg/L)	**OP-14**	**Yes**	**0.00135**	**10/10/2022**	**OH**	**NaN**	**16**	**0.0005375**	**0.0002255**	**n/a**	**n/a**
Thallium (mg/L)	OP-14	No	n/a	n/a	OH	NaN	16	0.0005229	0.0001328	n/a	n/a
Vanadium (mg/L)	OP-14	No	n/a	n/a	OH	NaN	16	0.002559	0.0003377	n/a	n/a
Zinc (mg/L)	**OP-14**	**Yes**	**0.137**	**5/20/2021**	**OH**	**NaN**	**17**	**0.01756**	**0.03078**	**n/a**	**n/a**

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

OP-14



n = 18

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.001964, std. dev. 0.0008597, critical Tn 2.504

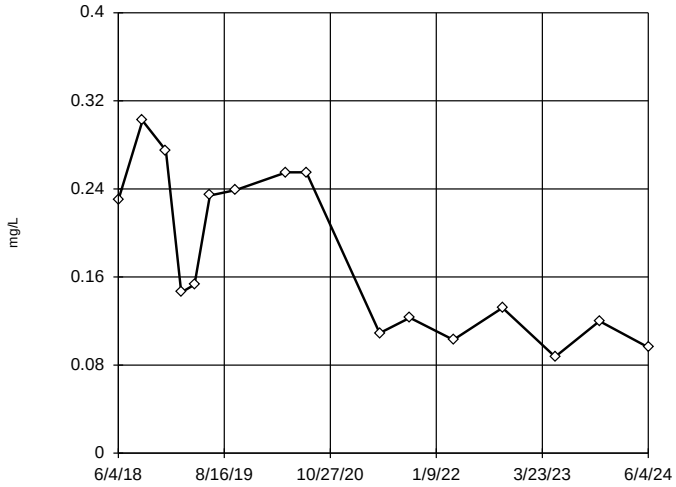
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9322
Critical = 0.858
The distribution was found to be normally distributed.

Constituent: Arsenic Analysis Run 4/24/2026 5:56 PM View: 2025_AWQR-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

OP-14



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.1787, std. dev. 0.07377, critical Tn 2.443

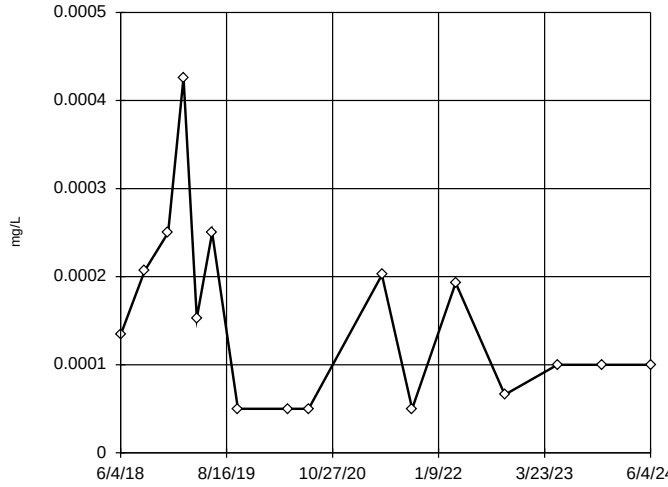
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8815
Critical = 0.844
The distribution was found to be normally distributed.

Constituent: Barium Analysis Run 4/24/2026 5:56 PM View: 2025_AWQR-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

OP-14



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.0001488, std. dev. 0.0001029, critical Tn 2.443

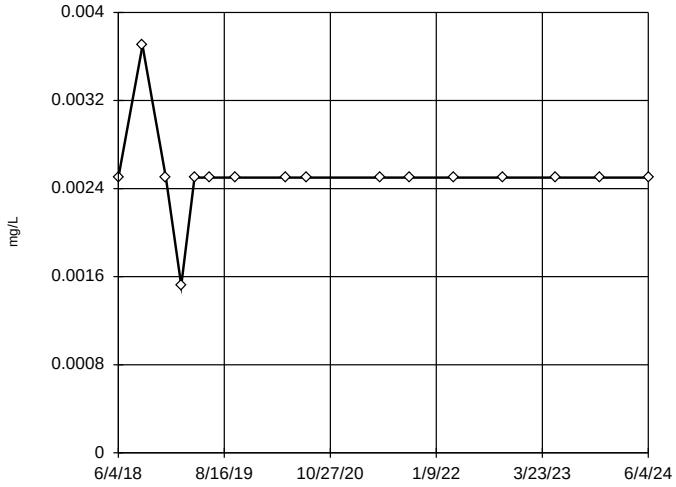
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.8604
Critical = 0.844
The distribution was found to be normally distributed.

Constituent: Cadmium Analysis Run 4/24/2026 5:57 PM View: 2025_AWQR-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



n = 16

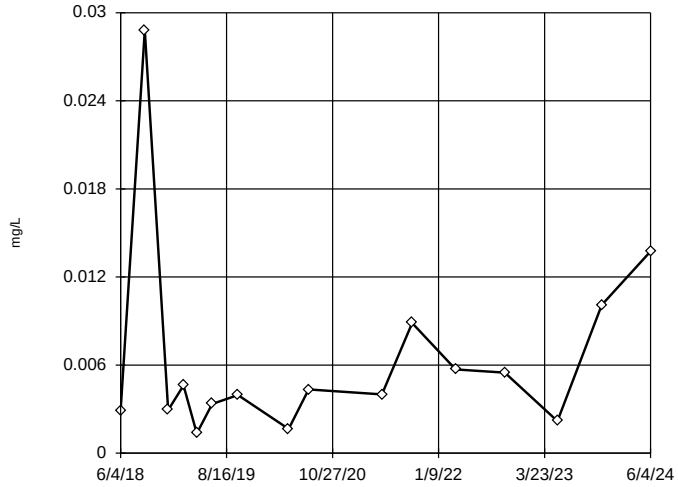
No statistical outliers.

Constituent: Chromium Analysis Run 4/24/2026 5:57 PM View: 2025_AWQR-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

OP-14



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.006499, std. dev. 0.006808, critical Tn 2.443

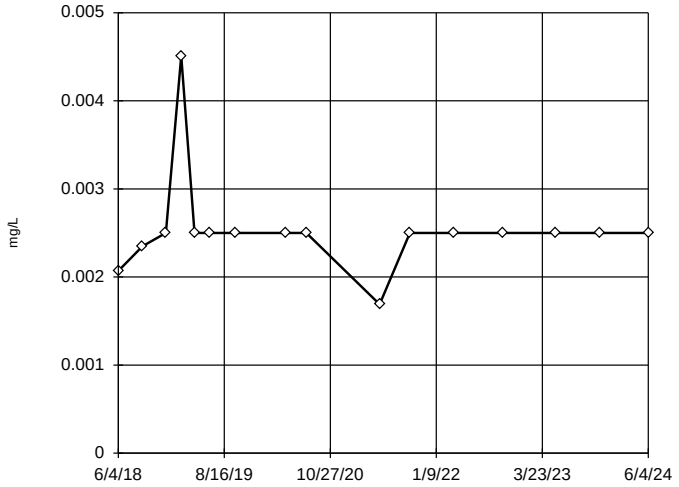
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9646
Critical = 0.844 (after natural log transformation)
The distribution was found to be log-normal.

Constituent: Cobalt Analysis Run 4/24/2026 5:57 PM View: 2025_AWQR-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



n = 16

No statistical outliers.

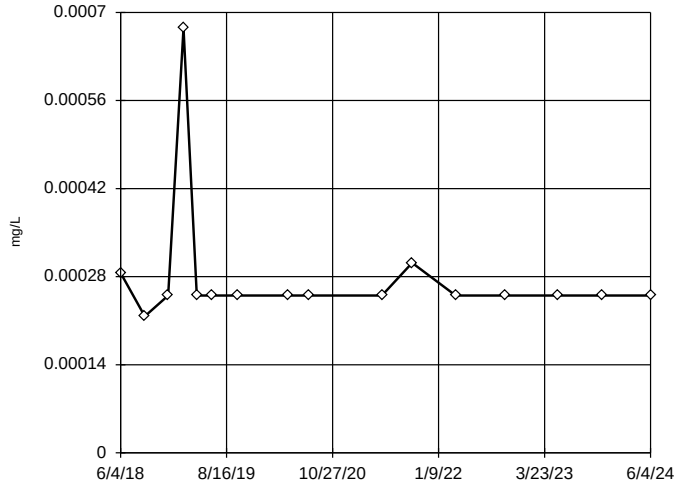
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9646
Critical = 0.844 (after natural log transformation)
The distribution was found to be log-normal.

Constituent: Copper Analysis Run 4/24/2026 5:57 PM View: 2025_AWQR-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



n = 16

No statistical outliers.

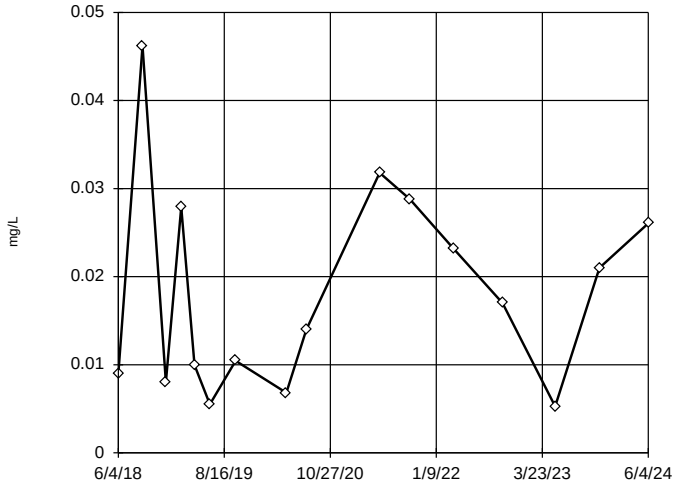
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9646
Critical = 0.844 (after natural log transformation)
The distribution was found to be log-normal.

Constituent: Lead Analysis Run 4/24/2026 5:57 PM View: 2025_AWQR-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

OP-14



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.01819, std. dev. 0.01173, critical Tn 2.443

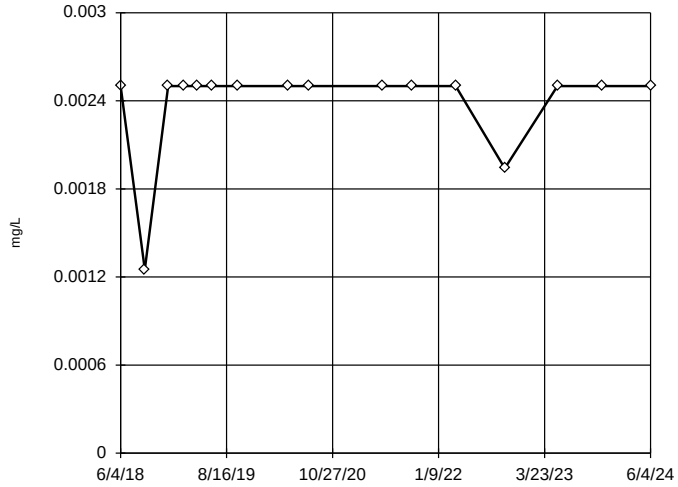
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9055
Critical = 0.844
The distribution was found to be normally distributed.

Constituent: Nickel Analysis Run 4/24/2026 5:57 PM View: 2025_AWQR-OP-14_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



n = 16

No statistical outliers.

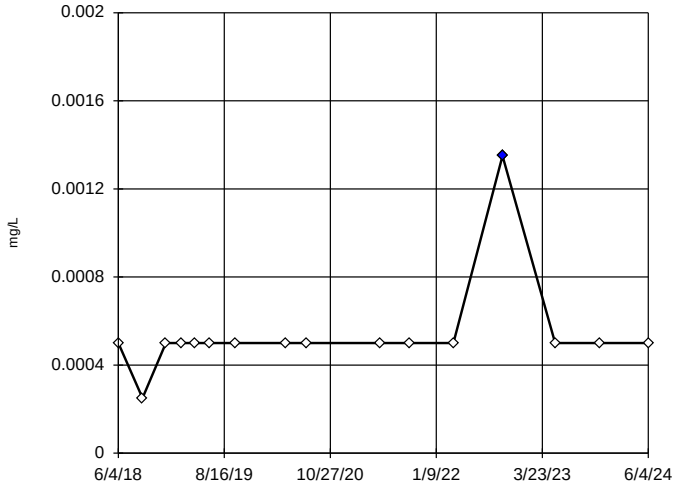
Constituent: Selenium Analysis Run 4/24/2026 5:57 PM View: 2025_AWQR-OP-14_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



n = 16

Statistical outlier is drawn as solid.
Outlier per Ohio method.

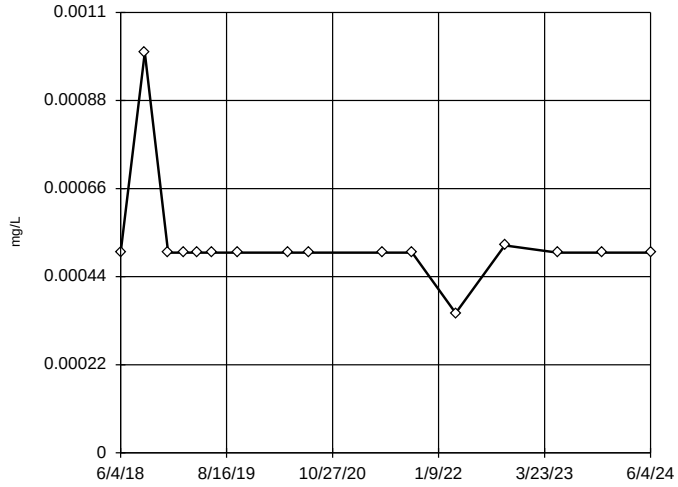
Constituent: Silver Analysis Run 4/24/2026 5:57 PM View: 2025_AWQR-OP-14_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



n = 16

No statistical outliers.

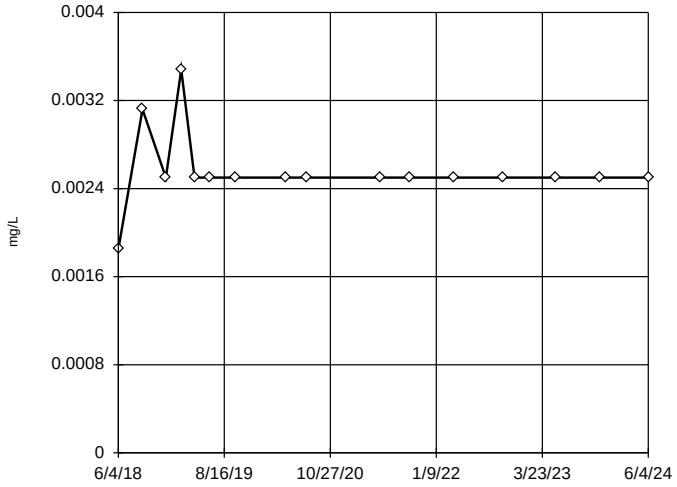
Constituent: Thallium Analysis Run 4/24/2026 5:57 PM View: 2025_AWQR-OP-14_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



n = 16

No statistical outliers.

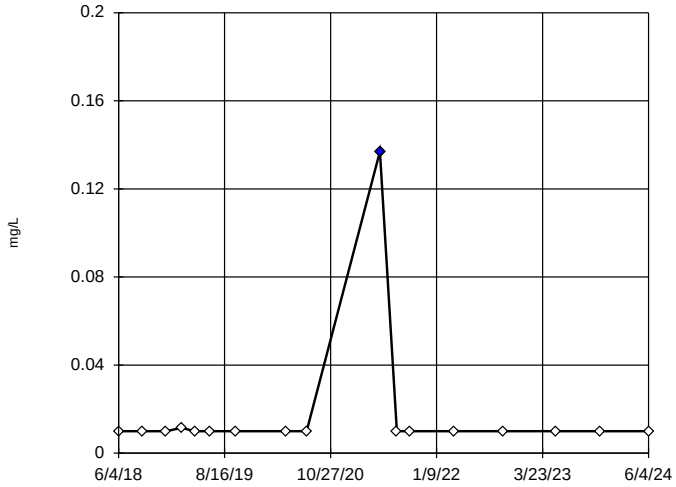
Constituent: Vanadium Analysis Run 4/24/2026 5:57 PM View: 2025_AWQR-OP-14_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-14



n = 17

Statistical outlier is drawn as solid.
Outlier per Ohio method.

Constituent: Zinc Analysis Run 4/24/2026 5:57 PM View: 2025_AWQR-OP-14_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

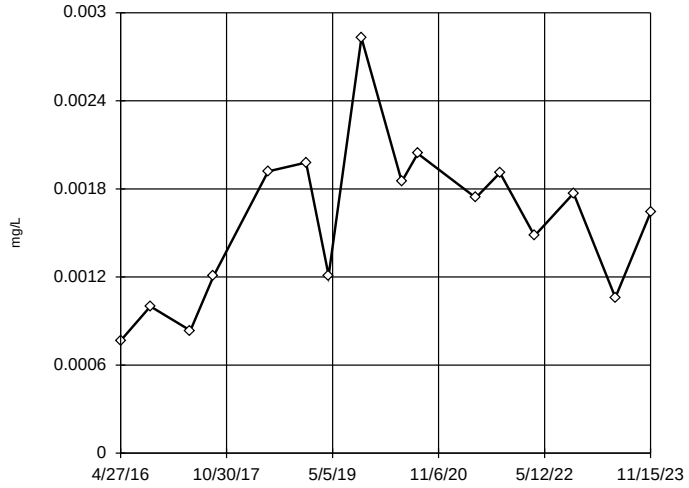
OP-19 BG Outlier Analysis

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/24/2026, 6:17 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Arsenic (mg/L)	OP-19	No	n/a	n/a	EPA/OH	0.05	16	0.001577	0.0005421	normal	ShapiroWilk
Barium (mg/L)	OP-19	No	n/a	n/a	EPA/OH	0.05	16	0.2315	0.02273	normal	ShapiroWilk
Cadmium (mg/L)	OP-19	No	n/a	n/a	EPA/OH	0.05	17	0.0002287	0.0001424	ln(x)	ShapiroWilk
Cobalt (mg/L)	OP-19	No	n/a	n/a	Dixon/OH	0.01	16	0.002748	0.0009824	normal	ShapiroWilk
Copper (mg/L)	OP-19	No	n/a	n/a	OH	NaN	16	0.002493	0.0003903	n/a	n/a
Lead (mg/L)	OP-19	No	n/a	n/a	NP (nrm)/OH	NaN	17	0.0002925	0.0001515	unknown	ShapiroWilk
Nickel (mg/L)	OP-19	No	n/a	n/a	EPA/OH	0.05	16	0.007573	0.0006788	normal	ShapiroWilk
Thallium (mg/L)	OP-19	No	n/a	n/a	OH	NaN	16	0.000442	0.0001585	n/a	n/a
Vanadium (mg/L)	OP-19	No	n/a	n/a	OH	NaN	16	0.002222	0.0006149	n/a	n/a

EPA Screening (suspected outliers for Dixon's Test)

OP-19



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.001577, std. dev. 0.0005421, critical Tn 2.443

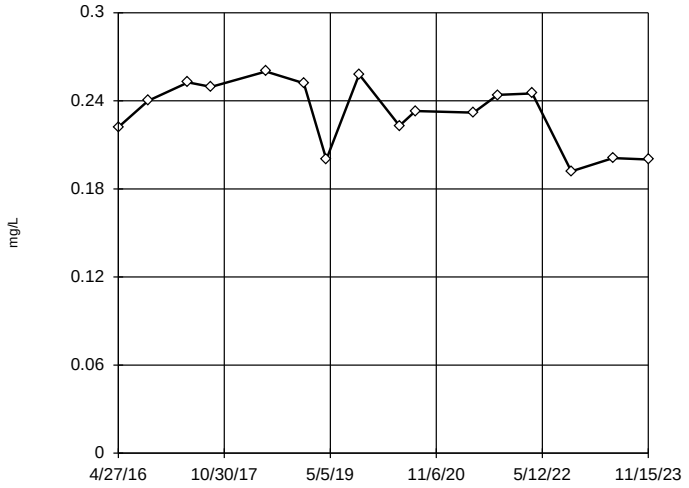
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9433
Critical = 0.844
The distribution was found to be normally distributed.

Constituent: Arsenic Analysis Run 4/24/2026 6:15 PM View: 2025_AWQR-OP-19_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

OP-19



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.2315, std. dev. 0.02273, critical Tn 2.443

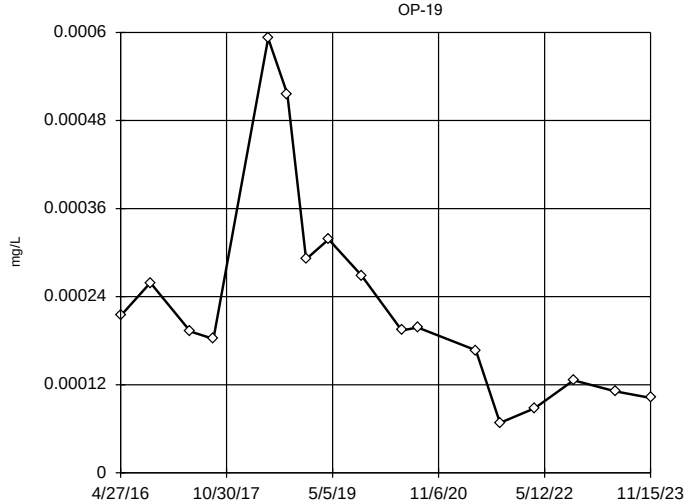
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9023
Critical = 0.844
The distribution was found to be normally distributed.

Constituent: Barium Analysis Run 4/24/2026 6:15 PM View: 2025_AWQR-OP-19_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

OP-19



n = 17

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.0002287, std. dev. 0.0001424, critical Tn 2.475

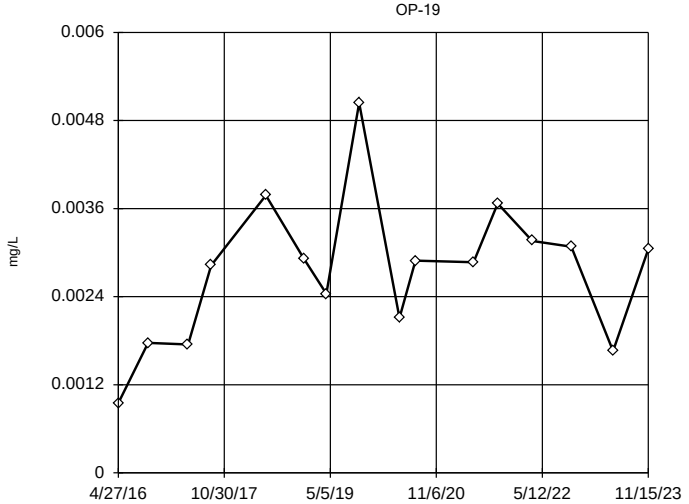
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9762
Critical = 0.851 (after natural log transformation)
The distribution was found to be log-normal.

Constituent: Cadmium Analysis Run 4/24/2026 6:16 PM View: 2025_AWQR-OP-19_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Dixon's Outlier Test / Ohio EPA 0715 Outlier Algorithm

OP-19



n = 16

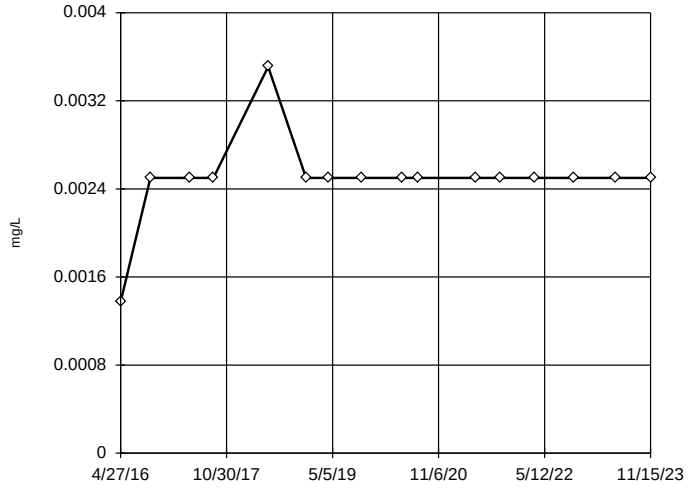
No statistical outliers.
Testing for 1 low outlier.
Mean = 0.002748.
Std. Dev. = 0.0009824.
0.0009505 (D): c = 0.294
tabl = 0.595.
Alpha = 0.01.

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9231
Critical = 0.835
The distribution was found to be normally distributed.

Constituent: Cobalt Analysis Run 4/24/2026 6:16 PM View: 2025_AWQR-OP-19_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Ohio EPA 0715 Outlier Algorithm

OP-19



n = 16

No statistical outliers.

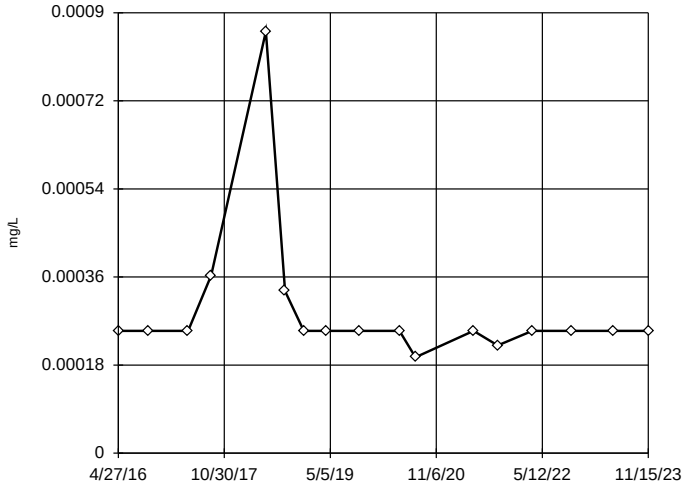
Constituent: Copper Analysis Run 4/24/2026 6:16 PM View: 2025_AWQR-OP-19_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

OP-19



n = 17

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

The results were invalidated, because the lower and upper quartiles are equal.

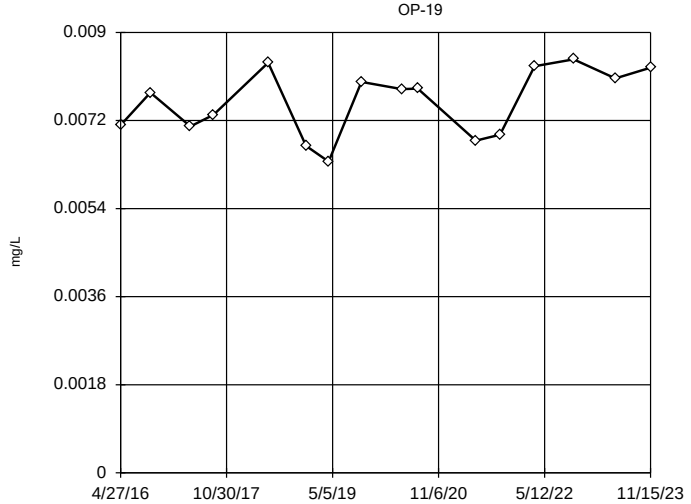
Constituent: Lead Analysis Run 4/24/2026 6:16 PM View: 2025_AWQR-OP-19_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

OP-19



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.007573, std. dev. 0.0006788, critical Tn 2.443

Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9252
Critical = 0.844
The distribution was found to be normally distributed.

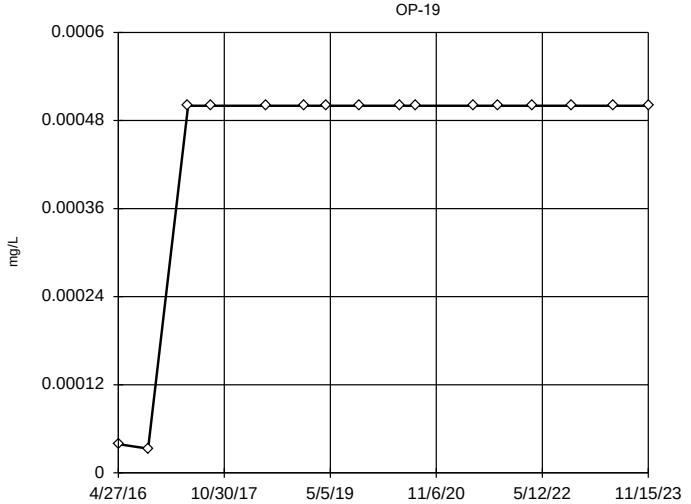
Constituent: Nickel Analysis Run 4/24/2026 6:16 PM View: 2025_AWQR-OP-19_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-19



n = 16

No statistical outliers.

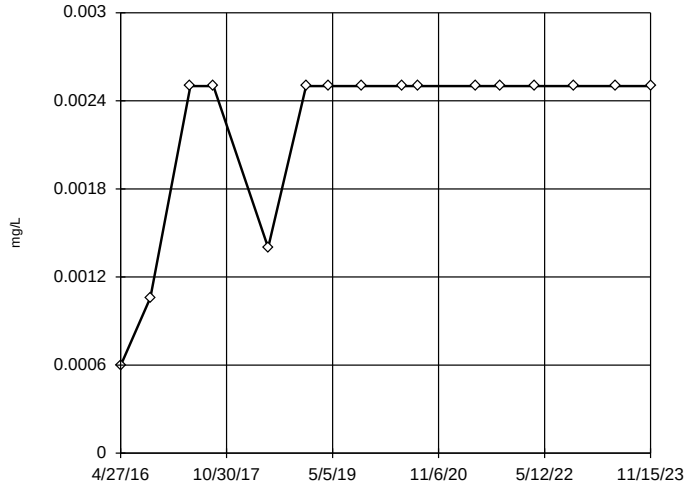
Constituent: Thallium Analysis Run 4/24/2026 6:16 PM View: 2025_AWQR-OP-19_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

OP-19



n = 16

No statistical outliers.

Constituent: Vanadium Analysis Run 4/24/2026 6:16 PM View: 2025_AWQR-OP-19_Outliers

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Prediction Limit Summary Table and Graphs

MW-42 Intra Prediction Limit

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/24/2026, 4:09 PM

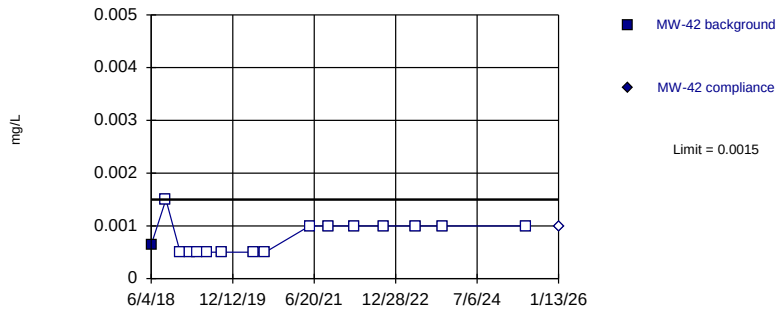
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-42	0.0015	n/a	1/13/2026	0.001ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	MW-42	0.05856	n/a	1/13/2026	0.023	No	17	n/a	0.02956	0.0167	0	None	No	0.0005985	Param Intra 1 of 3
Barium (mg/L)	MW-42	0.4362	n/a	1/13/2026	0.278	No	17	n/a	0.3367	0.05727	0	None	No	0.0005985	Param Intra 1 of 3
Cadmium (mg/L)	MW-42	0.00025	n/a	1/13/2026	0.0001ND	No	16	n/a	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Chromium (mg/L)	MW-42	0.00543	n/a	1/13/2026	0.00194J	No	16	n/a	n/a	n/a	81.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	MW-42	0.00228	n/a	1/13/2026	0.00171	No	16	n/a	0.001164	0.0006341	0	None	No	0.0005985	Param Intra 1 of 3
Copper (mg/L)	MW-42	0.00287	n/a	1/13/2026	0.0025ND	No	16	n/a	n/a	n/a	81.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	MW-42	0.001446	n/a	1/13/2026	0.00135	No	16	n/a	-7.524	0.5599	37.5	Kaplan-Meier	ln(x)	0.0005985	Param Intra 1 of 3
Nickel (mg/L)	MW-42	0.00884	n/a	1/13/2026	0.00527	No	16	n/a	n/a	n/a	56.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	MW-42	0.00466	n/a	1/13/2026	0.00356J	No	16	n/a	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Zinc (mg/L)	MW-42	0.0127	n/a	1/13/2026	0.01ND	No	16	n/a	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

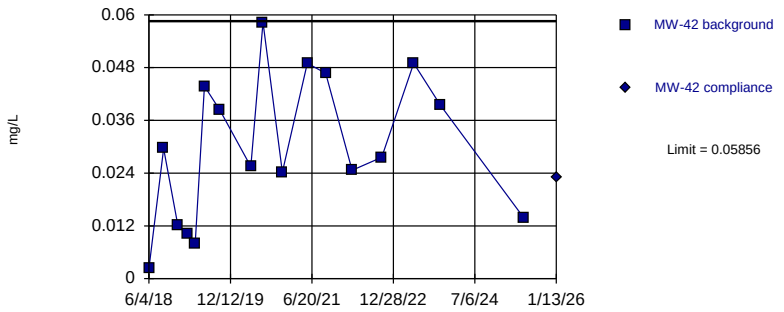
Constituent: Antimony Analysis Run 4/24/2026 4:06 PM View: 2025_AWQR-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02956, Std. Dev.=0.0167, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9582, critical = 0.851. Kappa = 1.737 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

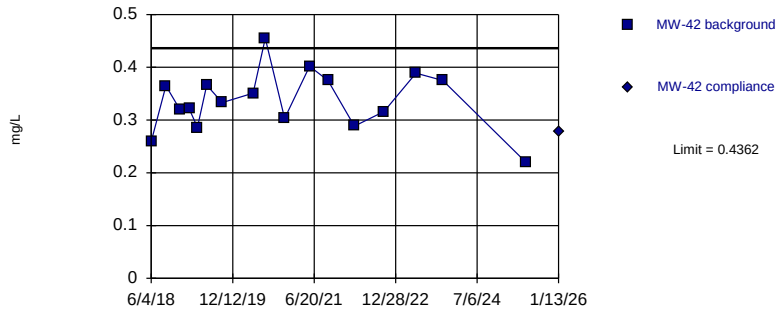
Constituent: Arsenic Analysis Run 4/24/2026 4:06 PM View: 2025_AWQR-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.3367, Std. Dev.=0.05727, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9892, critical = 0.851. Kappa = 1.737 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

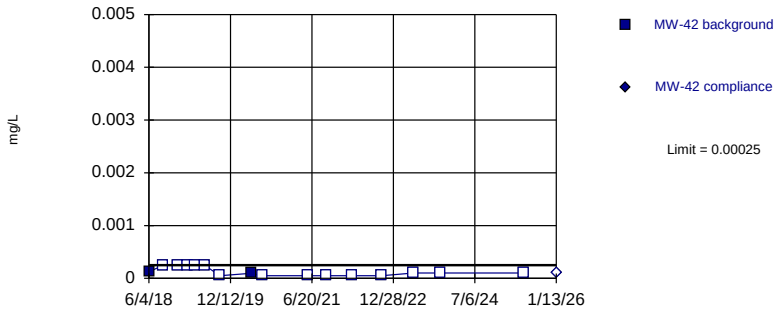
Constituent: Barium Analysis Run 4/24/2026 4:06 PM View: 2025_AWQR-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

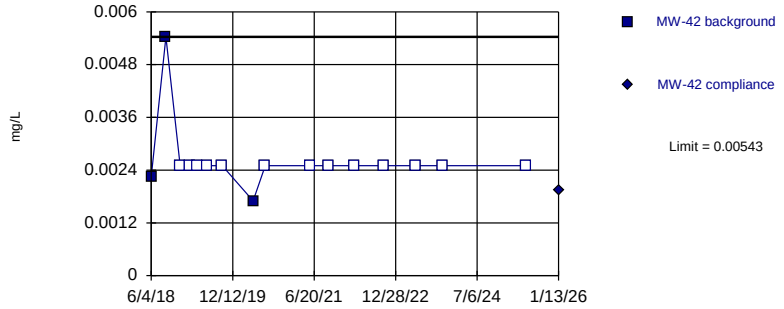
Constituent: Cadmium Analysis Run 4/24/2026 4:06 PM View: 2025_AWQR-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

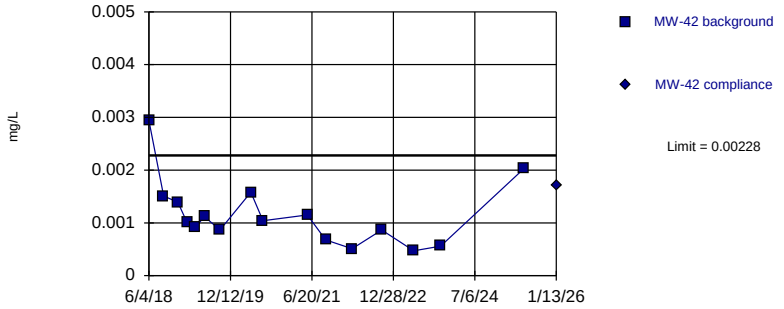
Constituent: Chromium Analysis Run 4/24/2026 4:06 PM View: 2025_AWQR-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001164, Std. Dev.=0.0006341, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8639, critical = 0.844. Kappa = 1.76 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

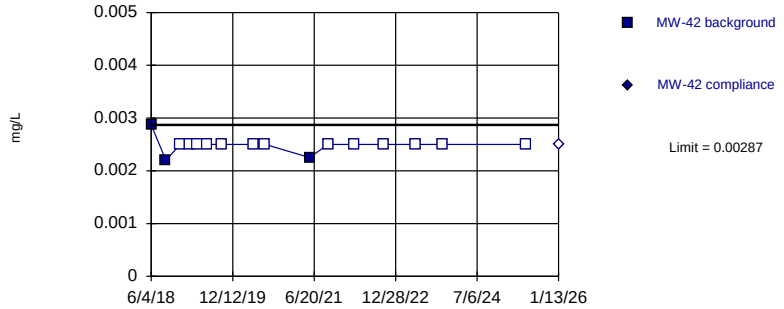
Constituent: Cobalt Analysis Run 4/24/2026 4:06 PM View: 2025_AWQR-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

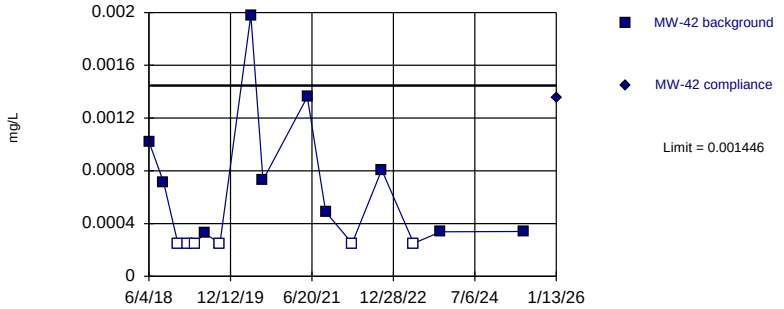
Constituent: Copper Analysis Run 4/24/2026 4:06 PM View: 2025_AWQR-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-7.524, Std. Dev.=0.5599, n=16, 37.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8476, critical = 0.844. Kappa = 1.76 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

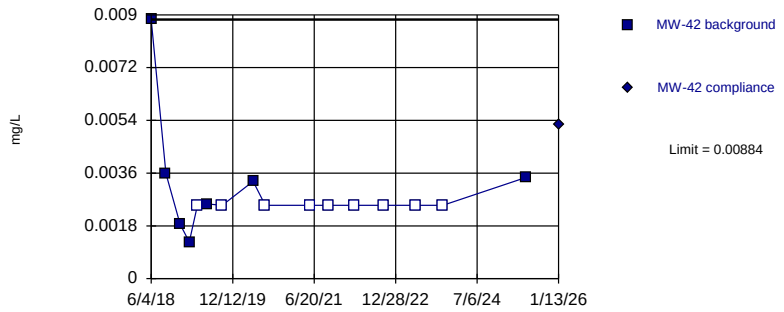
Constituent: Lead Analysis Run 4/24/2026 4:06 PM View: 2025_AWQR-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 56.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

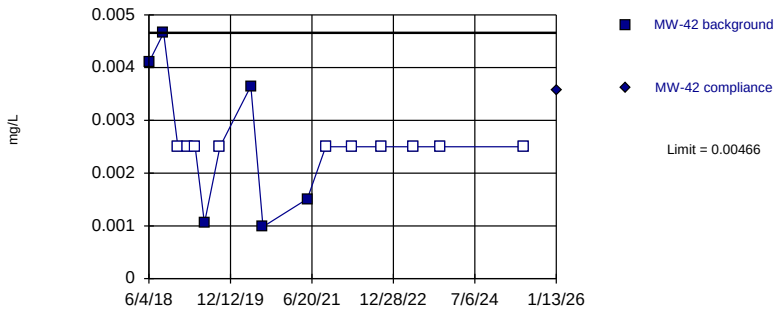
Constituent: Nickel Analysis Run 4/24/2026 4:06 PM View: 2025_AWQR-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

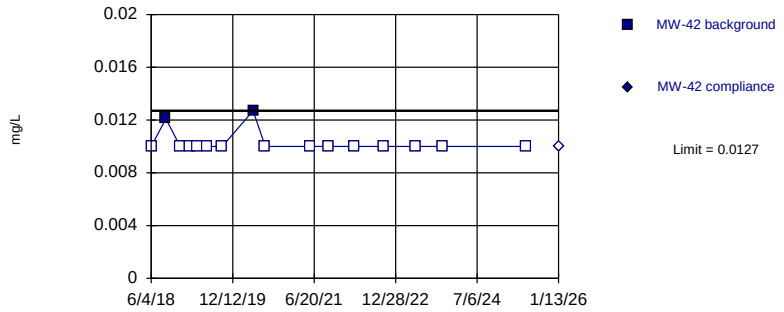
Constituent: Vanadium Analysis Run 4/24/2026 4:06 PM View: 2025_AWQR-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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: Zinc Analysis Run 4/24/2026 4:06 PM View: 2025_AWQR-MW-42_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

MW-43 Intra Prediction Limit

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/24/2026, 5:17 PM

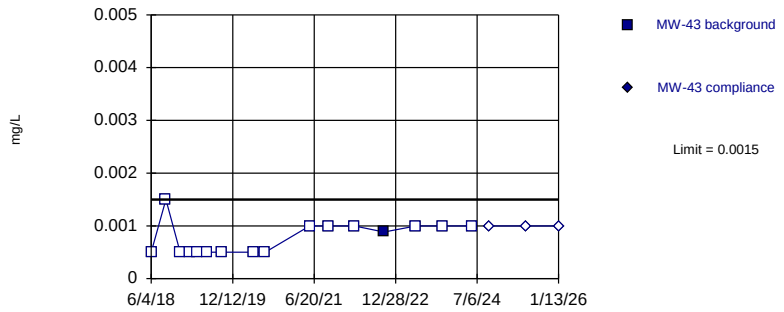
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-43	0.0015	n/a	1/13/2026	0.001ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	MW-43	0.003055	n/a	1/13/2026	0.00118J	No	16	n/a	0.1128	0.01815	12.5	None	x^(1/3)	0.0005486	Param Intra 1 of 3
Barium (mg/L)	MW-43	0.2665	n/a	1/13/2026	0.0837	No	16	n/a	0.1408	0.07066	0	None	No	0.0005486	Param Intra 1 of 3
Cadmium (mg/L)	MW-43	0.00025	n/a	1/13/2026	0.0001ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Chromium (mg/L)	MW-43	0.00574	n/a	1/13/2026	0.0025ND	No	17	n/a	n/a	n/a	76.47	n/a	n/a	0.0009102	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	MW-43	0.002181	n/a	1/13/2026	0.00102	No	16	n/a	0.00107	0.0006244	6.25	None	No	0.0005486	Param Intra 1 of 3
Copper (mg/L)	MW-43	0.00521	n/a	1/13/2026	0.0025ND	No	17	n/a	n/a	n/a	52.94	n/a	n/a	0.0009102	NP Intra (NDs) 1 of 3
Lead (mg/L)	MW-43	0.000887	n/a	1/13/2026	0.00025ND	No	17	n/a	n/a	n/a	58.82	n/a	n/a	0.0009102	NP Intra (NDs) 1 of 3
Nickel (mg/L)	MW-43	0.0039	n/a	1/13/2026	0.00281J	No	16	n/a	n/a	n/a	56.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	MW-43	0.0025	n/a	1/13/2026	0.0025ND	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-43	0.00564	n/a	1/13/2026	0.0025ND	No	17	n/a	n/a	n/a	58.82	n/a	n/a	0.0009102	NP Intra (NDs) 1 of 3
Zinc (mg/L)	MW-43	0.01685	n/a	1/13/2026	0.01ND	No	16	n/a	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

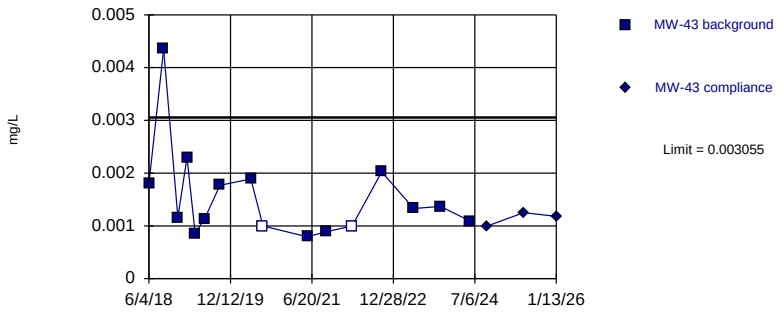
Constituent: Antimony Analysis Run 4/24/2026 5:09 PM View: 2025_AWQR-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=0.1128, Std. Dev.=0.01815, n=16, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8718, critical = 0.844. Kappa = 1.78 (c=12, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005486.

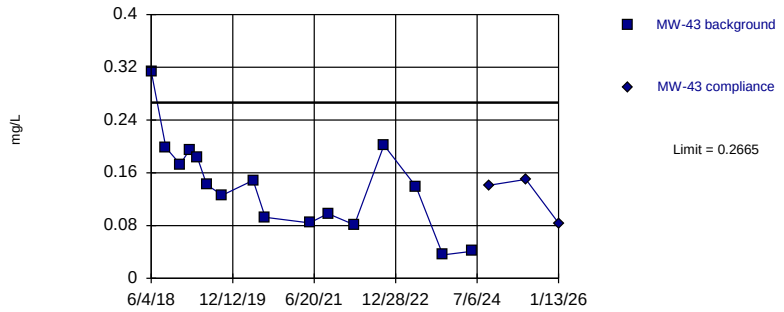
Constituent: Arsenic Analysis Run 4/24/2026 5:09 PM View: 2025_AWQR-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.1408, Std. Dev.=0.07066, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9484, critical = 0.844. Kappa = 1.78 (c=12, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005486.

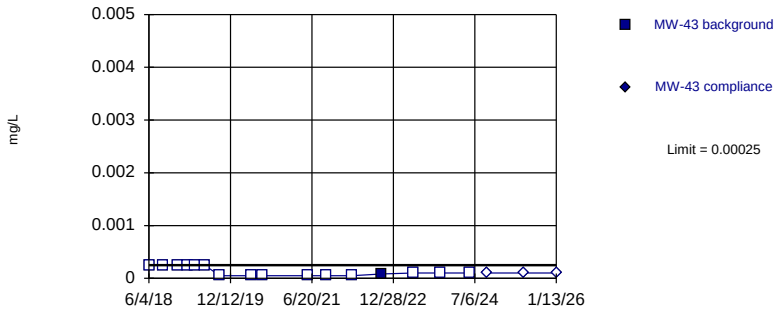
Constituent: Barium Analysis Run 4/24/2026 5:09 PM View: 2025_AWQR-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

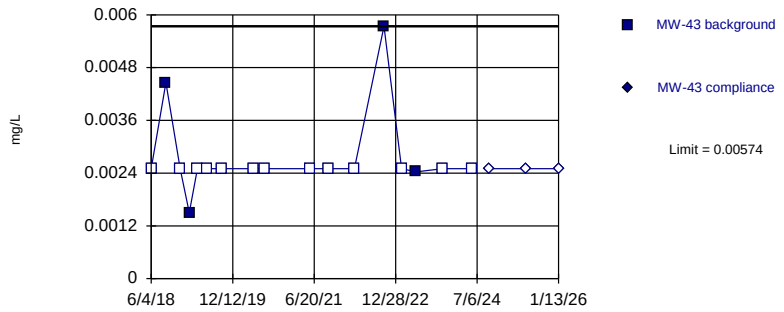
Constituent: Cadmium Analysis Run 4/24/2026 5:09 PM View: 2025_AWQR-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 76.47% NDs. Well-constituent pair annual alpha = 0.00182. Individual comparison alpha = 0.0009102 (1 of 3).

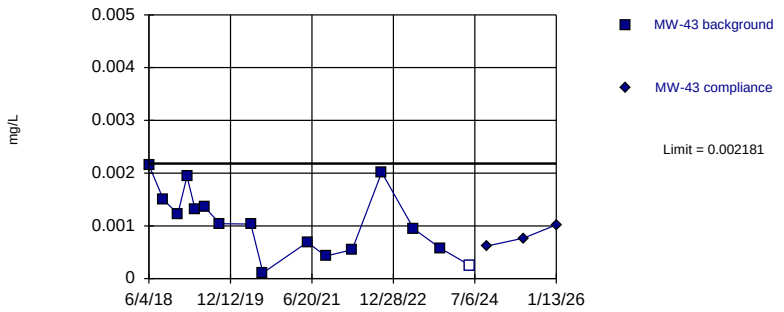
Constituent: Chromium Analysis Run 4/24/2026 5:10 PM View: 2025_AWQR-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.00107, Std. Dev.=0.0006244, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9599, critical = 0.844. Kappa = 1.78 (c=12, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005486.

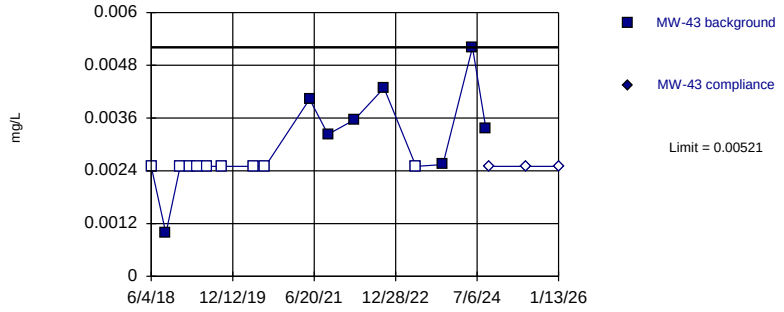
Constituent: Cobalt Analysis Run 4/24/2026 5:10 PM View: 2025_AWQR-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 52.94% NDs. Well-constituent pair annual alpha = 0.00182. Individual comparison alpha = 0.0009102 (1 of 3).

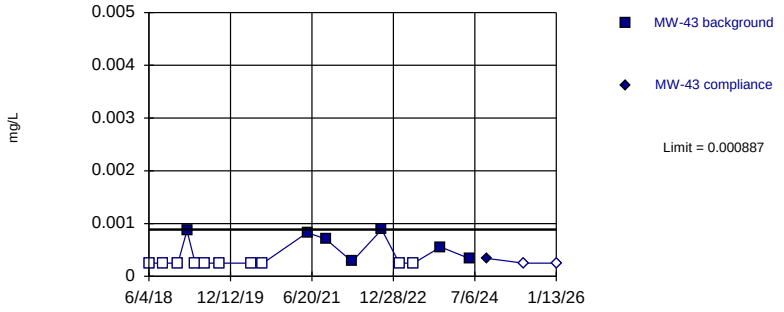
Constituent: Copper Analysis Run 4/24/2026 5:10 PM View: 2025_AWQR-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 58.82% NDs. Well-constituent pair annual alpha = 0.00182. Individual comparison alpha = 0.0009102 (1 of 3).

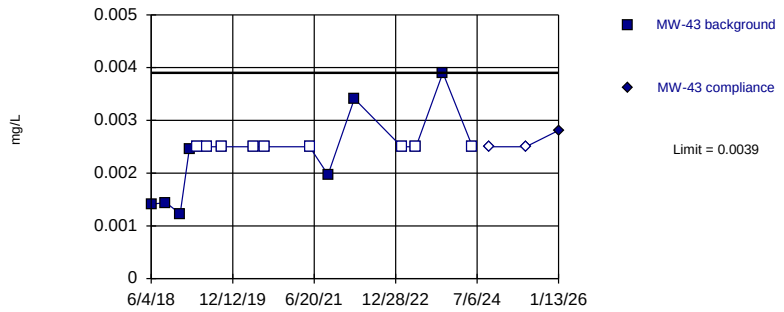
Constituent: Lead Analysis Run 4/24/2026 5:10 PM View: 2025_AWQR-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 56.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

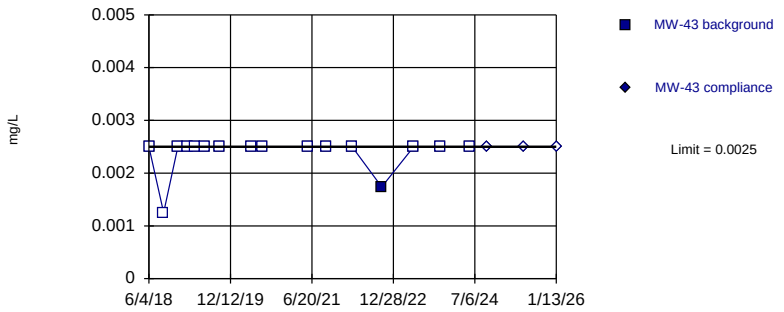
Constituent: Nickel Analysis Run 4/24/2026 5:10 PM View: 2025_AWQR-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

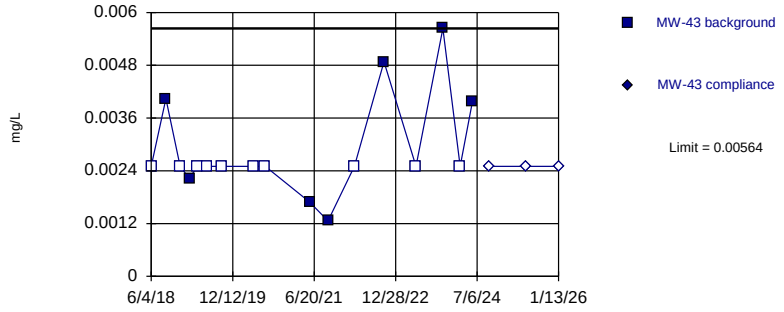
Constituent: Selenium Analysis Run 4/24/2026 5:10 PM View: 2025_AWQR-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 58.82% NDs. Well-constituent pair annual alpha = 0.00182. Individual comparison alpha = 0.0009102 (1 of 3).

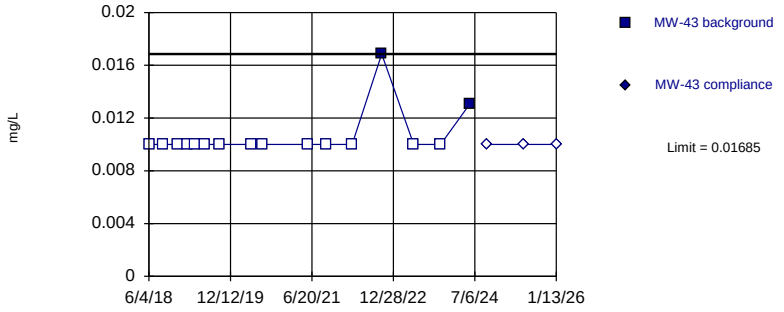
Constituent: Vanadium Analysis Run 4/24/2026 5:10 PM View: 2025_AWQR-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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: Zinc Analysis Run 4/24/2026 5:10 PM View: 2025_AWQR-MW-43_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

MW-48 Intra Prediction Limit

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/24/2026, 5:41 PM

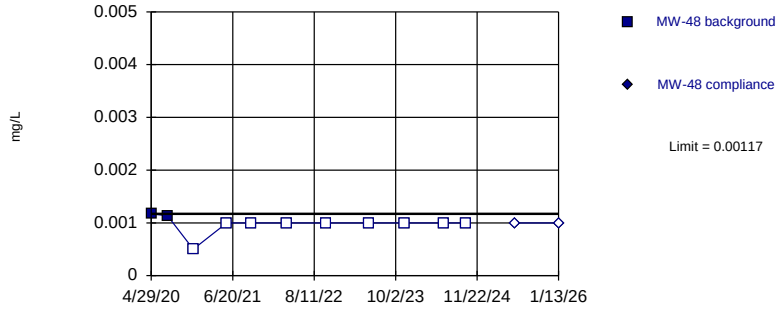
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-48	0.00117	n/a	1/13/2026	0.001ND	No	11	n/a	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	MW-48	0.001282	n/a	1/13/2026	0.00107J	No	11	n/a	0.0009498	0.0001659	9.091	None	No	0.0005985	Param Intra 1 of 3
Barium (mg/L)	MW-48	0.103	n/a	1/13/2026	0.08565	No	12	n/a	0.08778	0.007907	0	None	No	0.0005985	Param Intra 1 of 3
Cadmium (mg/L)	MW-48	0.000119	n/a	1/13/2026	0.0001ND	No	11	n/a	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	MW-48	0.004938	n/a	1/13/2026	0.0025ND	No	11	n/a	0.002709	0.001114	18.18	Kaplan-Meier	No	0.0005985	Param Intra 1 of 3
Cobalt (mg/L)	MW-48	0.00517	n/a	1/13/2026	0.000201J	No	11	n/a	n/a	n/a	18.18	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Copper (mg/L)	MW-48	0.006675	n/a	1/13/2026	0.005285	No	11	n/a	0.00388	0.001397	0	None	No	0.0005985	Param Intra 1 of 3
Lead (mg/L)	MW-48	0.00129	n/a	1/13/2026	0.00025ND	No	11	n/a	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Nickel (mg/L)	MW-48	0.01544	n/a	1/13/2026	0.01125	No	11	n/a	0.1815	0.03374	0	None	x^(1/3)	0.0005985	Param Intra 1 of 3
Selenium (mg/L)	MW-48	0.0025	n/a	1/13/2026	0.0025ND	No	11	n/a	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	MW-48	0.004441	n/a	1/13/2026	0.002745J	No	11	n/a	0.04812	0.009264	9.091	None	sqrt(x)	0.0005985	Param Intra 1 of 3

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

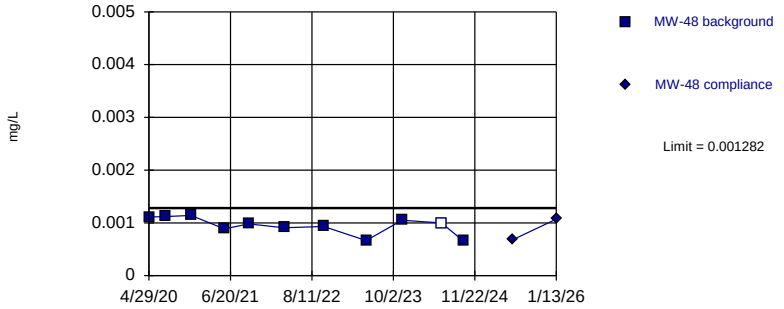
Constituent: Antimony Analysis Run 4/24/2026 5:40 PM View: 2025_AWQR-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.0009498, Std. Dev.=0.0001659, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8909, critical = 0.792. Kappa = 2 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

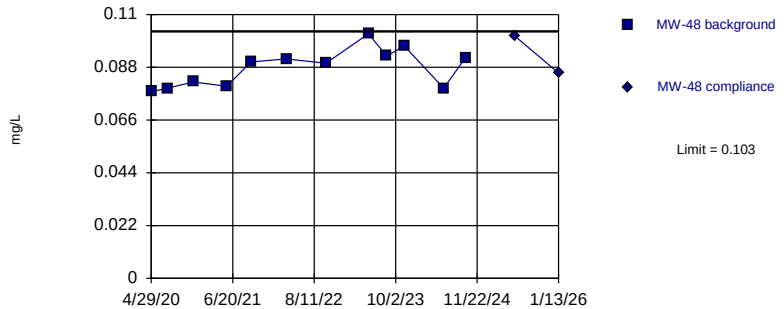
Constituent: Arsenic Analysis Run 4/24/2026 5:40 PM View: 2025_AWQR-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.08778, Std. Dev.=0.007907, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9112, critical = 0.805. Kappa = 1.923 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

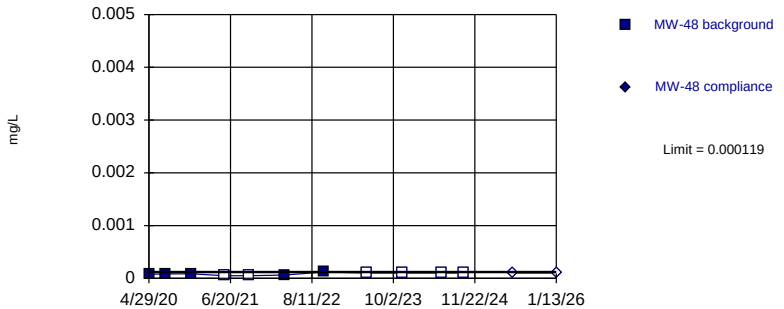
Constituent: Barium Analysis Run 4/24/2026 5:40 PM View: 2025_AWQR-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

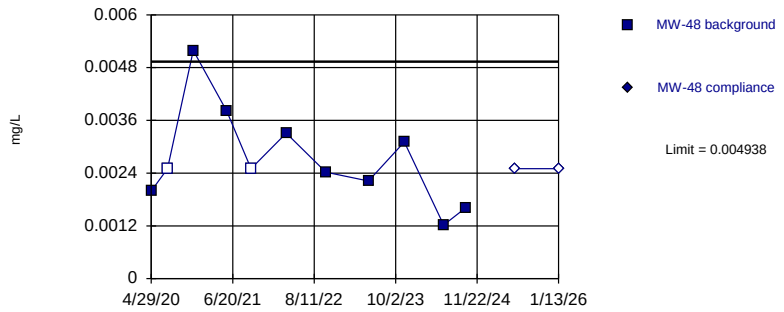
Constituent: Cadmium Analysis Run 4/24/2026 5:40 PM View: 2025_AWQR-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002709, Std. Dev.=0.001114, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9355, critical = 0.792. Kappa = 2 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

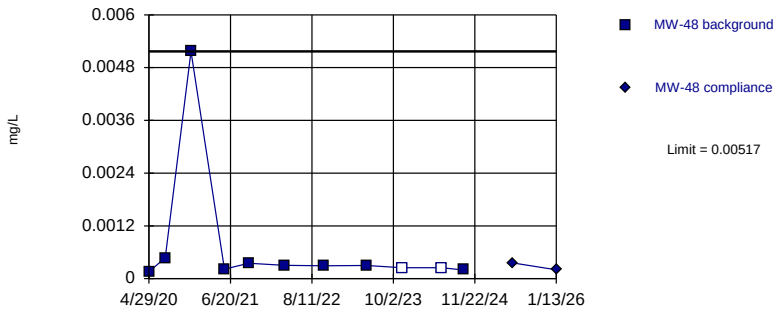
Constituent: Chromium Analysis Run 4/24/2026 5:40 PM View: 2025_AWQR-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 18.18% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

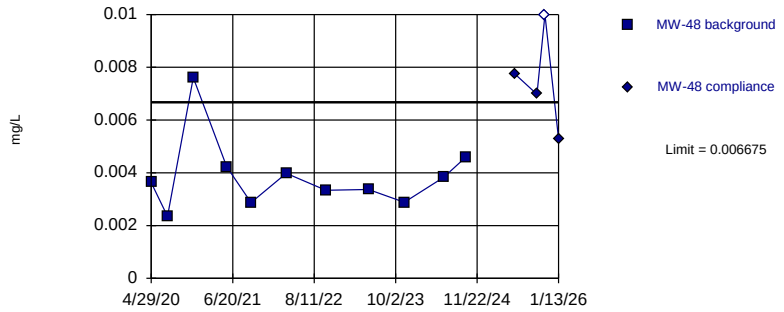
Constituent: Cobalt Analysis Run 4/24/2026 5:40 PM View: 2025_AWQR-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.00388, Std. Dev.=0.001397, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7969, critical = 0.792. Kappa = 2 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

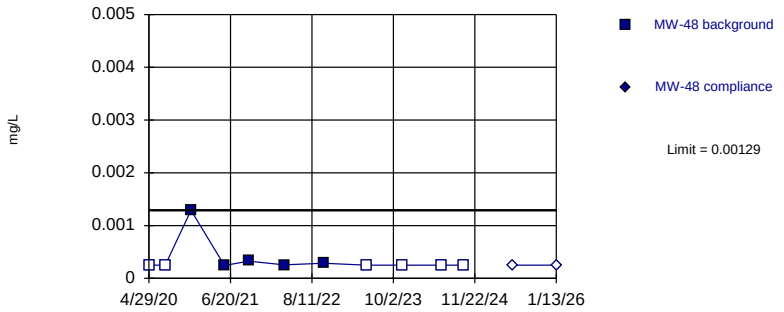
Constituent: Copper Analysis Run 4/24/2026 5:40 PM View: 2025_AWQR-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

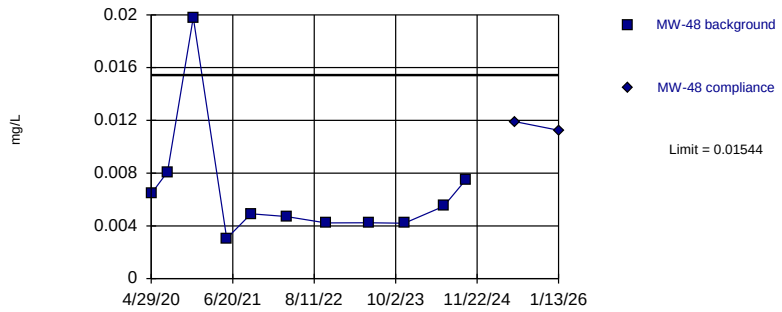
Constituent: Lead Analysis Run 4/24/2026 5:40 PM View: 2025_AWQR-MW-48_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=0.1815, Std. Dev.=0.03374, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7942, critical = 0.792. Kappa = 2 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

Constituent: Nickel Analysis Run 4/24/2026 5:40 PM View: 2025_AWQR-MW-48_IntraPL

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

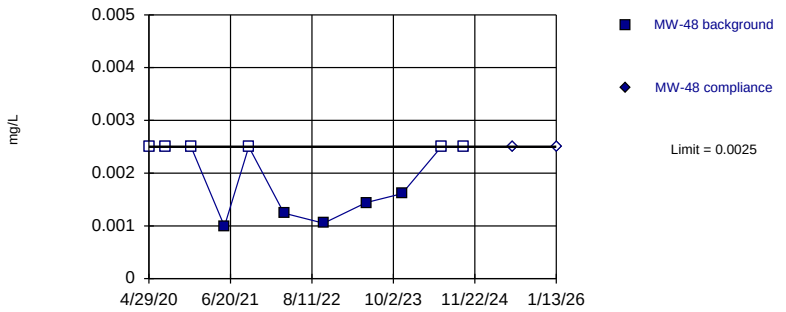
Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

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 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 4/24/2026 5:40 PM View: 2025_AWQR-MW-48_IntraPL

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

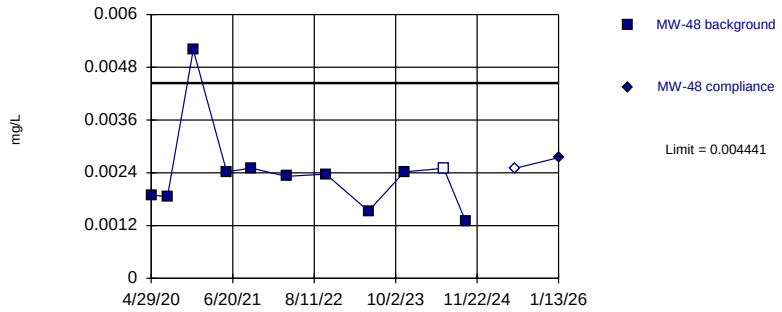
Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.04812, Std. Dev.=0.009264, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8038, critical = 0.792. Kappa = 2 (c=11, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005985.

Constituent: Vanadium Analysis Run 4/24/2026 5:40 PM View: 2025_AWQR-MW-48_IntraPL

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

MW-117 Prediction Limit

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/27/2026, 3:26 PM

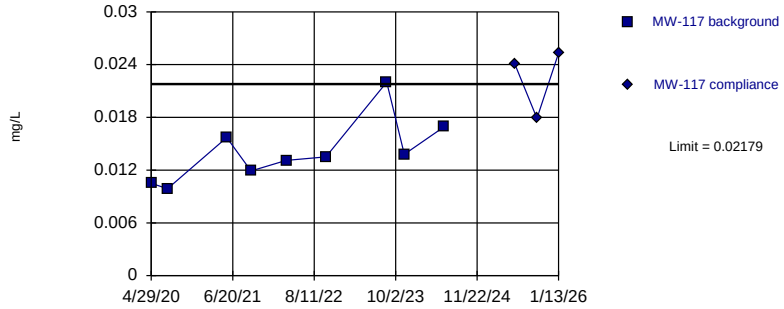
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**MW-117**	**0.02179**	**n/a**	**1/13/2026**	**0.0253**	**Yes**	**9**	**n/a**	**0.01414**	**0.003706**	**0**	**None**	**No**	**0.0008228**	**Param Intra 1 of 3**
Barium (mg/L)	MW-117	0.5903	n/a	1/13/2026	0.29	No	9	n/a	0.4442	0.07075	0	None	No	0.0008228	Param Intra 1 of 3
Cobalt (mg/L)	MW-117	0.01832	n/a	1/13/2026	0.00505	No	9	n/a	0.006918	0.005522	0	None	No	0.0008228	Param Intra 1 of 3
Copper (mg/L)	MW-117	0.00342	n/a	1/13/2026	0.0025ND	No	9	n/a	n/a	n/a	88.89	n/a	n/a	0.004675	NP Intra (NDs) 1 of 3
Lead (mg/L)	MW-117	0.000252	n/a	1/13/2026	0.000339J	No	9	n/a	n/a	n/a	88.89	n/a	n/a	0.004675	NP Intra (NDs) 1 of 3
Nickel (mg/L)	MW-117	0.01228	n/a	1/13/2026	0.0025ND	No	9	n/a	0.005481	0.003294	33.33	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Silver (mg/L)	MW-117	0.0005	n/a	1/13/2026	0.0005ND	No	9	n/a	n/a	n/a	88.89	n/a	n/a	0.004675	NP Intra (NDs) 1 of 3
Zinc (mg/L)	MW-117	0.0112	n/a	1/13/2026	0.01ND	No	9	n/a	n/a	n/a	88.89	n/a	n/a	0.004675	NP Intra (NDs) 1 of 3

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01414, Std. Dev.=0.003706, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9157, critical = 0.764. Kappa = 2.064 (c=8, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Arsenic Analysis Run 4/27/2026 3:25 PM View: 2025_AWQR-MW-117_IntraPL

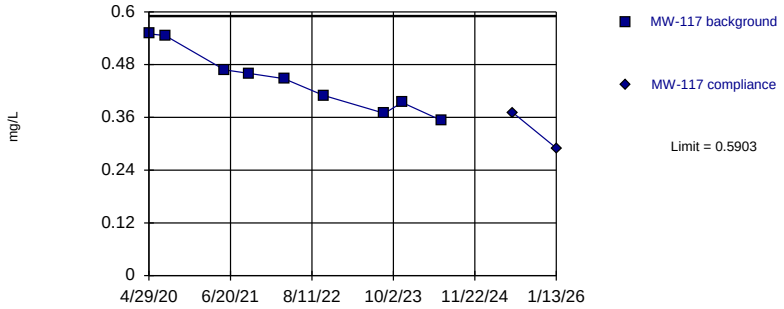
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.4442, Std. Dev.=0.07075, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9279, critical = 0.764. Kappa = 2.064 (c=8, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Barium Analysis Run 4/27/2026 3:25 PM View: 2025_AWQR-MW-117_IntraPL

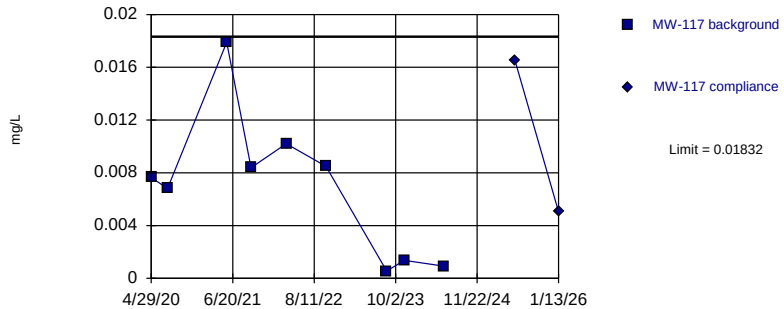
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.006918, Std. Dev.=0.005522, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8963, critical = 0.764. Kappa = 2.064 (c=8, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Cobalt Analysis Run 4/27/2026 3:25 PM View: 2025_AWQR-MW-117_IntraPL

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

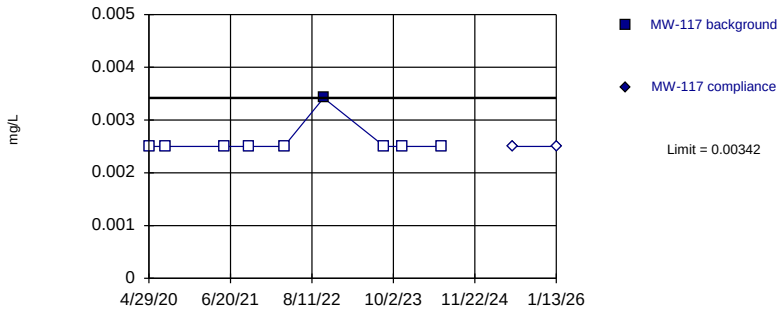
Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

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 9 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Constituent: Copper Analysis Run 4/27/2026 3:25 PM View: 2025_AWQR-MW-117_IntraPL

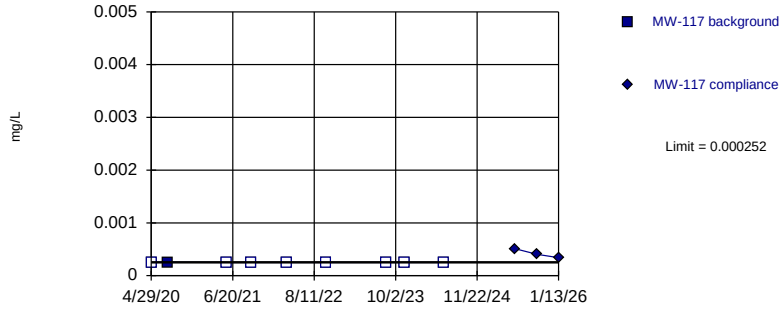
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 9 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

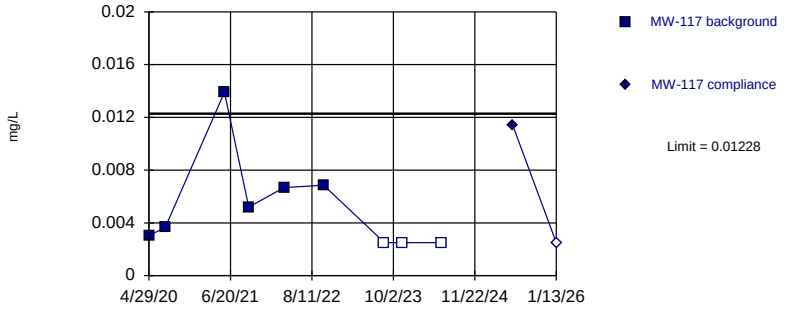
Constituent: Lead Analysis Run 4/27/2026 3:25 PM View: 2025_AWQR-MW-117_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.005481, Std. Dev.=0.003294, n=9, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.765, critical = 0.764. Kappa = 2.064 (c=8, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

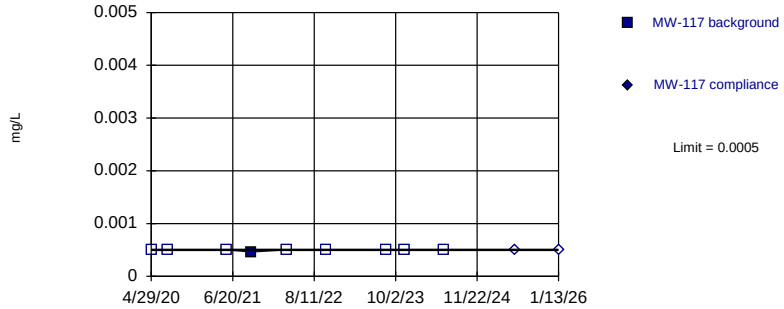
Constituent: Nickel Analysis Run 4/27/2026 3:25 PM View: 2025_AWQR-MW-117_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 9 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

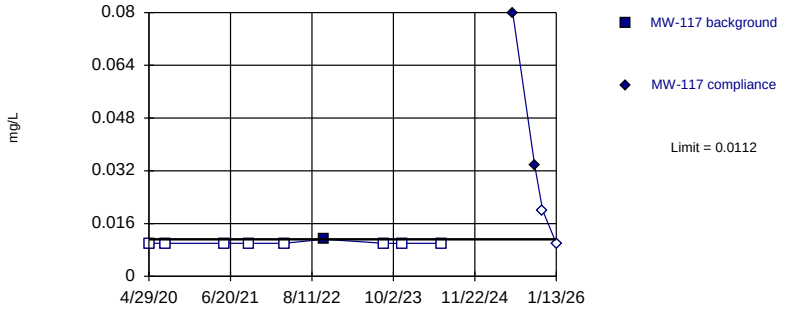
Constituent: Silver Analysis Run 4/27/2026 3:25 PM View: 2025_AWQR-MW-117_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 9 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Constituent: Zinc Analysis Run 4/27/2026 3:25 PM View: 2025_AWQR-MW-117_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

OP-14 Intra Prediction Limit

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/24/2026, 6:08 PM

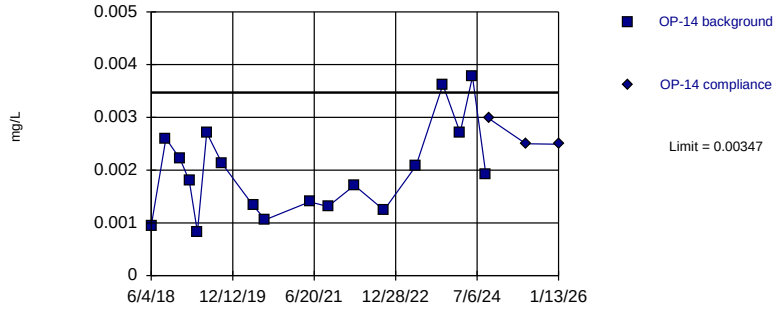
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	OP-14	0.00347	n/a	1/13/2026	0.00249	No	18	n/a	0.001964	0.0008597	0	None	No	0.0005064	Param Intra 1 of 3
Barium (mg/L)	OP-14	0.3115	n/a	1/13/2026	0.0733	No	16	n/a	0.1787	0.07377	0	None	No	0.0005064	Param Intra 1 of 3
Cadmium (mg/L)	OP-14	0.000426	n/a	1/13/2026	0.0001ND	No	16	n/a	n/a	n/a	56.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Chromium (mg/L)	OP-14	0.0037	n/a	1/13/2026	0.0025ND	No	16	n/a	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	OP-14	0.01803	n/a	1/13/2026	0.0104	No	16	n/a	0.1728	0.04969	0	None	x^(1/3)	0.0005064	Param Intra 1 of 3
Copper (mg/L)	OP-14	0.00451	n/a	1/13/2026	0.0025ND	No	16	n/a	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	OP-14	0.000675	n/a	1/13/2026	0.00025ND	No	16	n/a	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	OP-14	0.0393	n/a	1/13/2026	0.0228	No	16	n/a	0.01819	0.01173	0	None	No	0.0005064	Param Intra 1 of 3
Selenium (mg/L)	OP-14	0.0025	n/a	1/13/2026	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)	OP-14	0.00135	n/a	1/13/2026	0.0005ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	OP-14	0.001	n/a	1/13/2026	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)	OP-14	0.00348	n/a	1/13/2026	0.00193J	No	16	n/a	n/a	n/a	81.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Zinc (mg/L)	OP-14	0.137	n/a	1/13/2026	0.01ND	No	17	n/a	n/a	n/a	88.24	n/a	n/a	0.0009102	NP Intra (NDs) 1 of 3

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001964, Std. Dev.=0.0008597, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9322, critical = 0.858. Kappa = 1.752 (c=13, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005064.

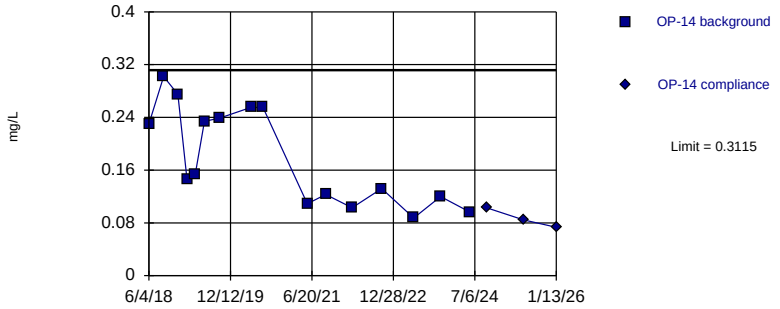
Constituent: Arsenic Analysis Run 4/24/2026 6:07 PM View: 2025_AWQR-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.1787, Std. Dev.=0.07377, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8815, critical = 0.844. Kappa = 1.8 (c=13, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005064.

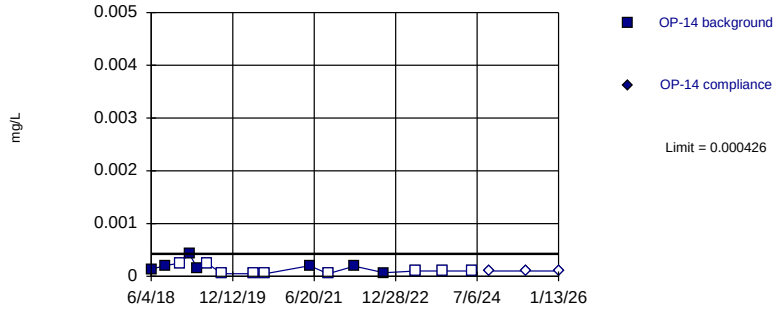
Constituent: Barium Analysis Run 4/24/2026 6:07 PM View: 2025_AWQR-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 56.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

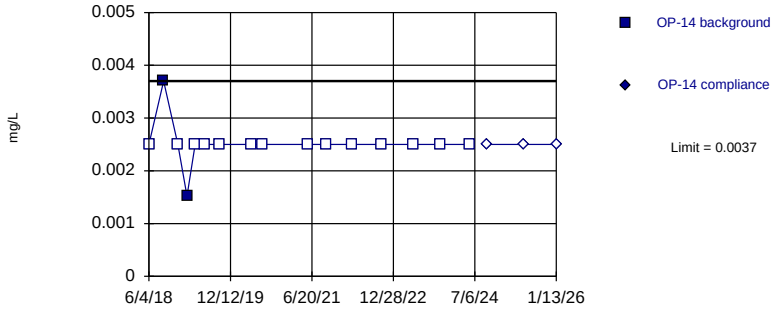
Constituent: Cadmium Analysis Run 4/24/2026 6:07 PM View: 2025_AWQR-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

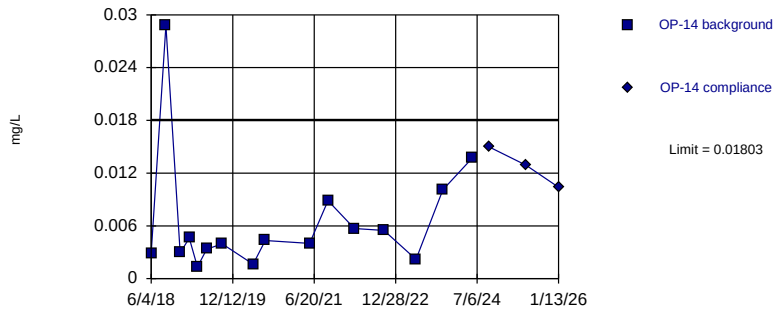
Constituent: Chromium Analysis Run 4/24/2026 6:07 PM View: 2025_AWQR-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=0.1728, Std. Dev.=0.04969, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8921, critical = 0.844. Kappa = 1.8 (c=13, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005064.

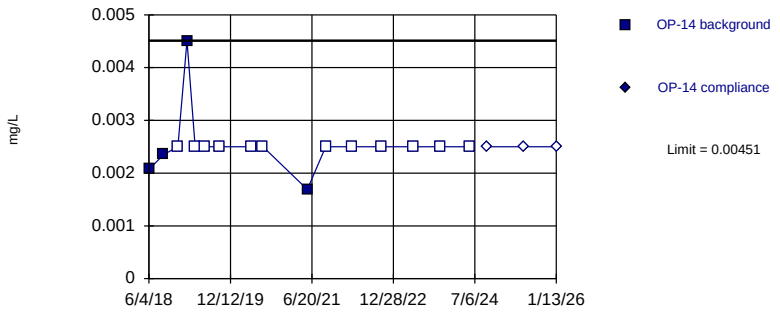
Constituent: Cobalt Analysis Run 4/24/2026 6:07 PM View: 2025_AWQR-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

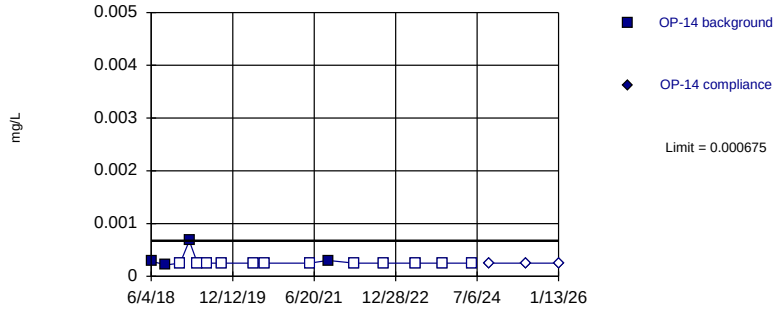
Constituent: Copper Analysis Run 4/24/2026 6:08 PM View: 2025_AWQR-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

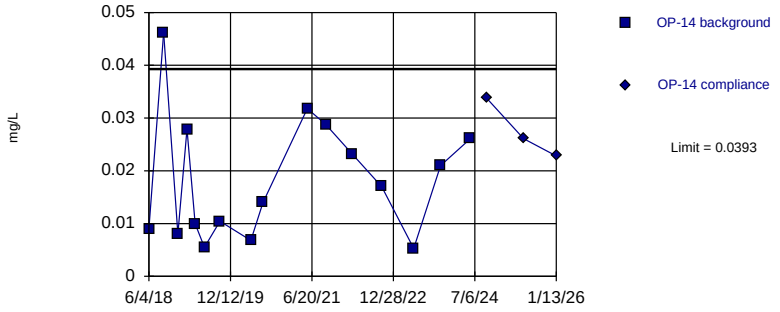
Constituent: Lead Analysis Run 4/24/2026 6:08 PM View: 2025_AWQR-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01819, Std. Dev.=0.01173, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9055, critical = 0.844. Kappa = 1.8 (c=13, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0005064.

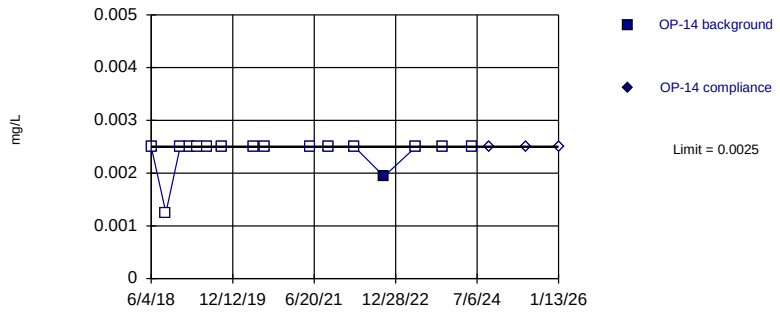
Constituent: Nickel Analysis Run 4/24/2026 6:08 PM View: 2025_AWQR-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

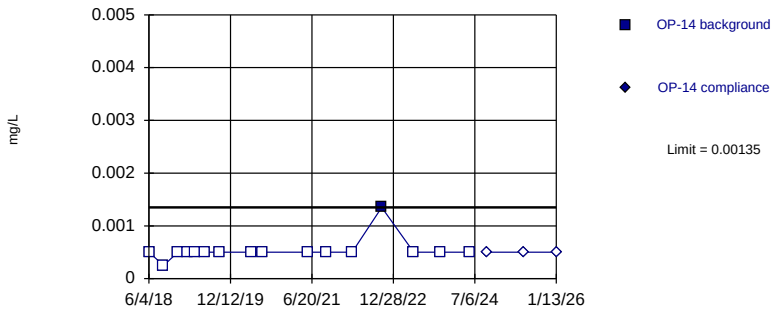
Constituent: Selenium Analysis Run 4/24/2026 6:08 PM View: 2025_AWQR-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

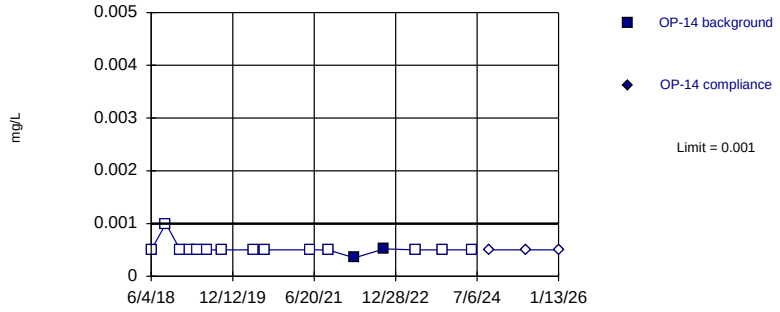
Constituent: Silver Analysis Run 4/24/2026 6:08 PM View: 2025_AWQR-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

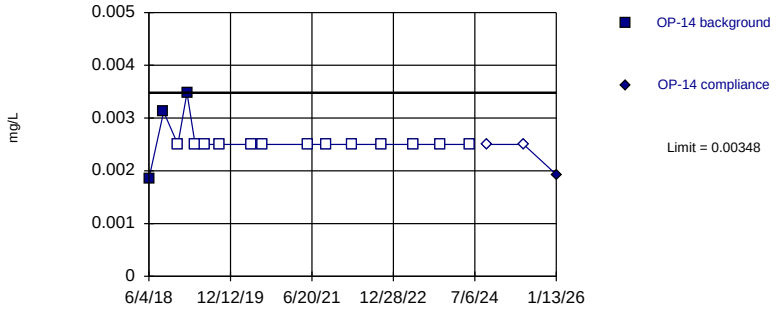
Constituent: Thallium Analysis Run 4/24/2026 6:08 PM View: 2025_AWQR-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

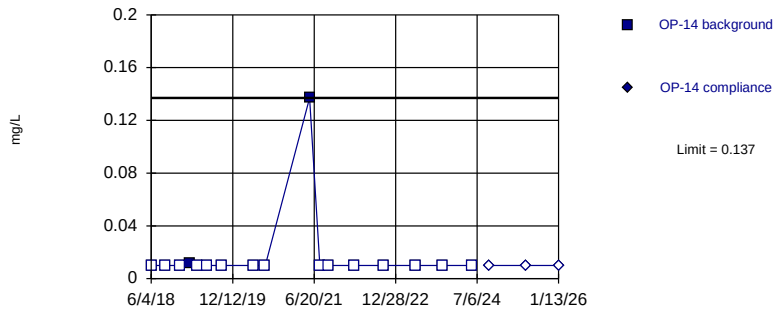
Constituent: Vanadium Analysis Run 4/24/2026 6:08 PM View: 2025_AWQR-OP-14_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 88.24% NDs. Well-constituent pair annual alpha = 0.00182. Individual comparison alpha = 0.0009102 (1 of 3).

Constituent: Zinc Analysis Run 4/24/2026 6:08 PM View: 2025_AWQR-OP-14_IntraPL

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

OP-19 Intra Prediction Limit

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/24/2026, 6:29 PM

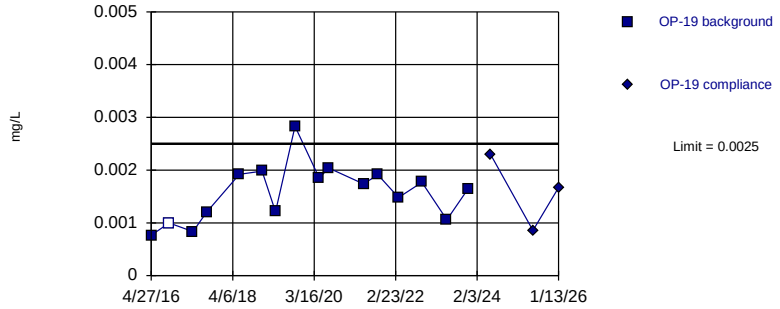
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	OP-19	0.0025	n/a	1/13/2026	0.00167J	No	16	n/a	0.001577	0.0005421	6.25	None	No	0.0007314	Param Intra 1 of 3
Barium (mg/L)	OP-19	0.2702	n/a	1/13/2026	0.234	No	16	n/a	0.2315	0.02273	0	None	No	0.0007314	Param Intra 1 of 3
Cadmium (mg/L)	**OP-19**	**0.0004769**	**n/a**	**1/13/2026**	**0.000489**	**Yes**	**17**	**n/a**	**0.01452**	**0.004355**	**0**	**None**	**sqrt(x)**	**0.0007314**	**Param Intra 1 of 3**
Cobalt (mg/L)	OP-19	0.00442	n/a	1/13/2026	0.00427	No	16	n/a	0.002748	0.0009824	0	None	No	0.0007314	Param Intra 1 of 3
Copper (mg/L)	OP-19	0.00351	n/a	1/13/2026	0.00397J	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)	**OP-19**	**0.000862**	**n/a**	**1/13/2026**	**0.000887**	**Yes**	**17**	**n/a**	**n/a**	**n/a**	**70.59**	**n/a**	**n/a**	**0.0009102**	**NP Intra (NDs) 1 of 3**
Nickel (mg/L)	**OP-19**	**0.008728**	**n/a**	**1/13/2026**	**0.0111**	**Yes**	**16**	**n/a**	**0.007573**	**0.0006788**	**0**	**None**	**No**	**0.0007314**	**Param Intra 1 of 3**
Thallium (mg/L)	OP-19	0.0005	n/a	1/13/2026	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)	OP-19	0.0025	n/a	1/13/2026	0.00493J	No	16	n/a	n/a	n/a	81.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001577, Std. Dev.=0.0005421, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9433, critical = 0.844. Kappa = 1.702 (c=9, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007314.

Constituent: Arsenic Analysis Run 4/24/2026 6:27 PM View: 2025_AWQR-OP-19_IntraPL

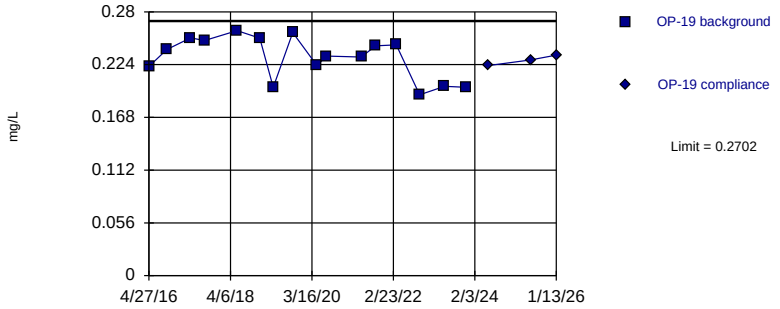
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.2315, Std. Dev.=0.02273, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9023, critical = 0.844. Kappa = 1.702 (c=9, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007314.

Constituent: Barium Analysis Run 4/24/2026 6:27 PM View: 2025_AWQR-OP-19_IntraPL

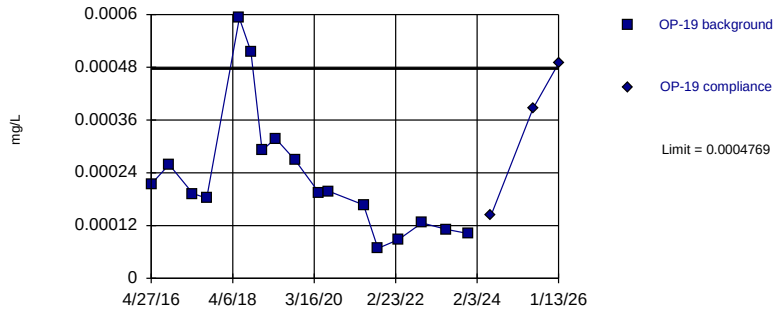
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.01452, Std. Dev.=0.004355, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9351, critical = 0.851. Kappa = 1.68 (c=9, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007314.

Constituent: Cadmium Analysis Run 4/24/2026 6:27 PM View: 2025_AWQR-OP-19_IntraPL

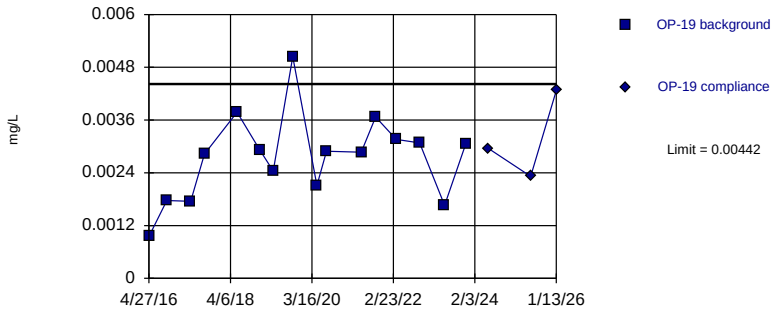
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.002748, Std. Dev.=0.0009824, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.959, critical = 0.844. Kappa = 1.702 (c=9, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007314.

Constituent: Cobalt Analysis Run 4/24/2026 6:27 PM View: 2025_AWQR-OP-19_IntraPL

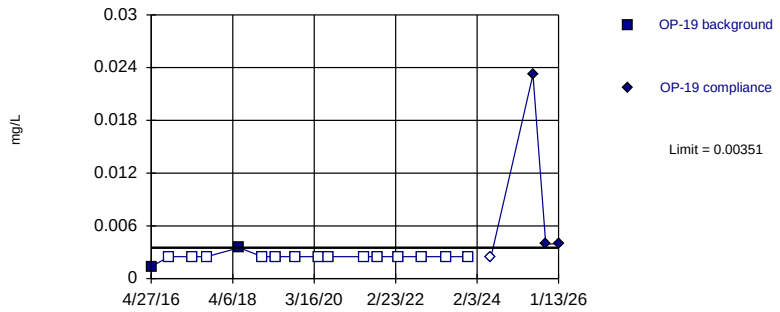
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

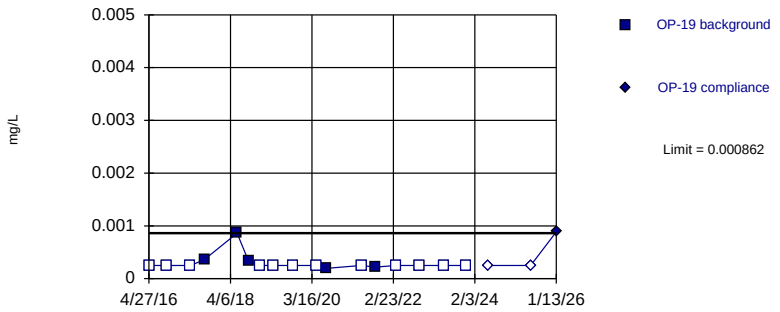
Constituent: Copper Analysis Run 4/24/2026 6:27 PM View: 2025_AWQR-OP-19_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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. 70.59% NDs. Well-constituent pair annual alpha = 0.00182. Individual comparison alpha = 0.0009102 (1 of 3).

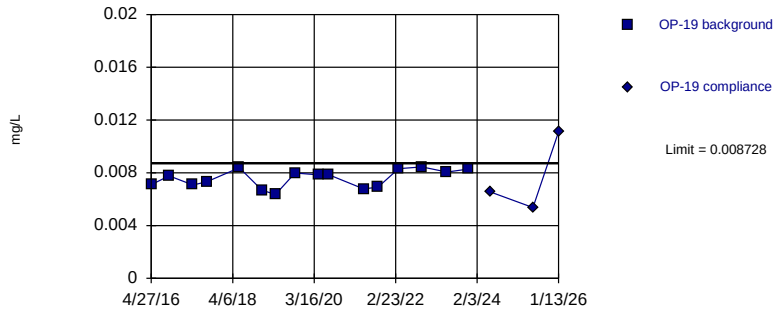
Constituent: Lead Analysis Run 4/24/2026 6:27 PM View: 2025_AWQR-OP-19_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.007573, Std. Dev.=0.0006788, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9252, critical = 0.844. Kappa = 1.702 (c=9, w=8, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007314.

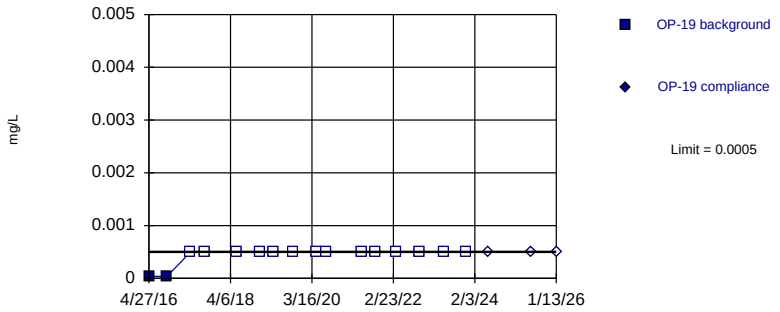
Constituent: Nickel Analysis Run 4/24/2026 6:27 PM View: 2025_AWQR-OP-19_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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).

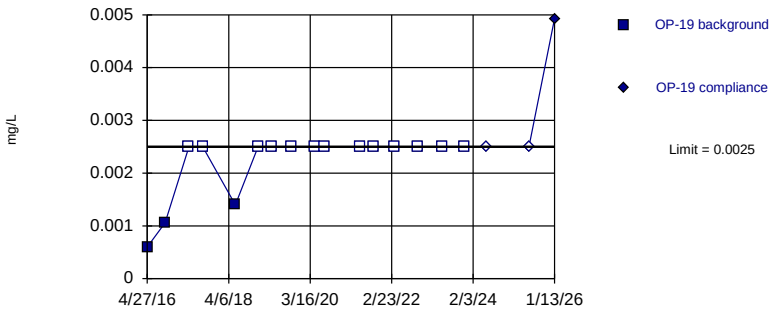
Constituent: Thallium Analysis Run 4/24/2026 6:27 PM View: 2025_AWQR-OP-19_IntraPL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

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 4/24/2026 6:27 PM View: 2025_AWQR-OP-19_IntraPL

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Mann-Kendall Trend Test Summary Table and Graphs

Trend Test

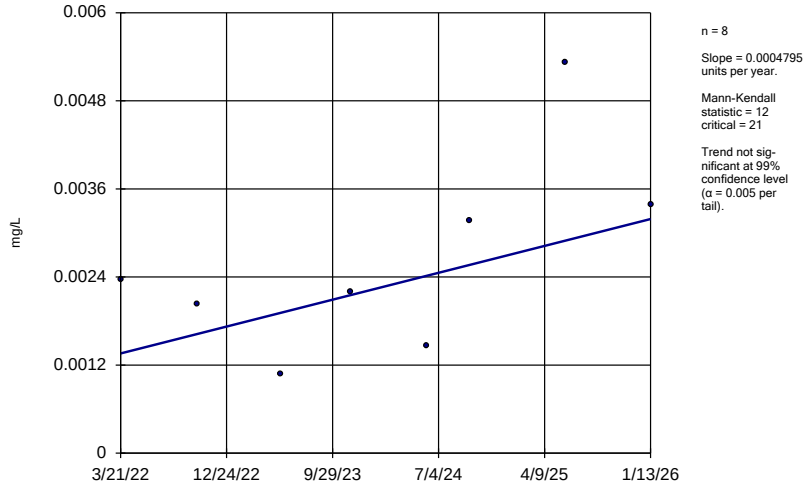
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL_2025_AWQR-AM Printed 4/23/2026, 12:33 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Arsenic (mg/L)	MW-20AR	0.0004795	12	21	No	8	0	0.01	NP
Barium (mg/L)	MW-20AR	-0.0003636	-4	-21	No	8	0	0.01	NP
Carbon disulfide (ug/L)	MW-20AR	0	-11	-21	No	8	75	0.01	NP
Cobalt (mg/L)	MW-20AR	-0.00006855	-6	-21	No	8	0	0.01	NP
Copper (mg/L)	MW-20AR	0	-1	-21	No	8	37.5	0.01	NP
Sulfide (mg/L)	MW-20AR	0	-7	-21	No	8	87.5	0.01	NP

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Sen's Slope Estimator

MW-20AR

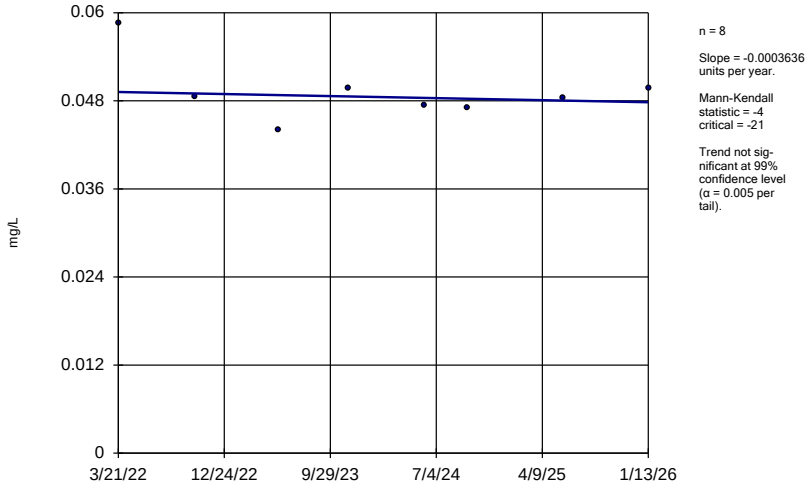


Constituent: Arsenic Analysis Run 4/23/2026 12:32 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL_2025_AWQR-AM

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Sen's Slope Estimator

MW-20AR

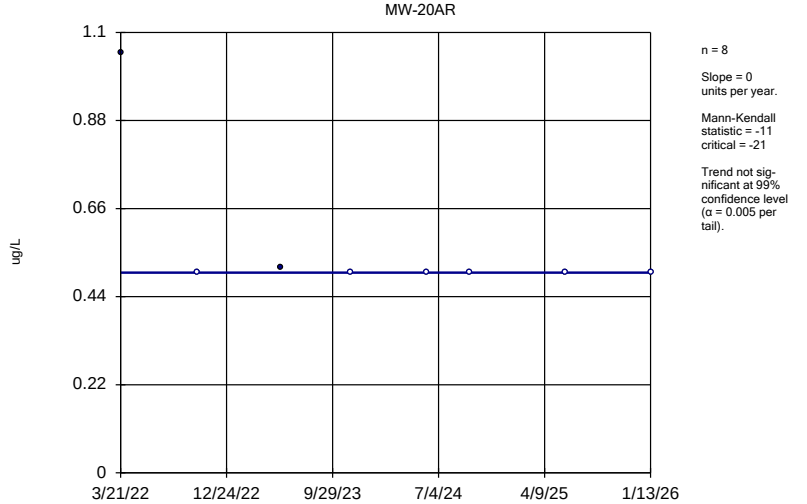


Constituent: Barium Analysis Run 4/23/2026 12:32 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL_2025_AWQR-AM

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-20AR

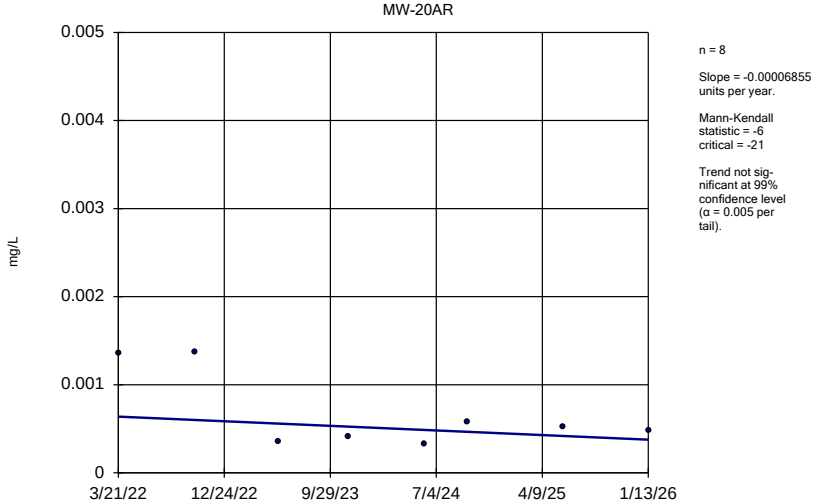


Constituent: Carbon disulfide Analysis Run 4/23/2026 12:32 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL_2025_AWQR-AM

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

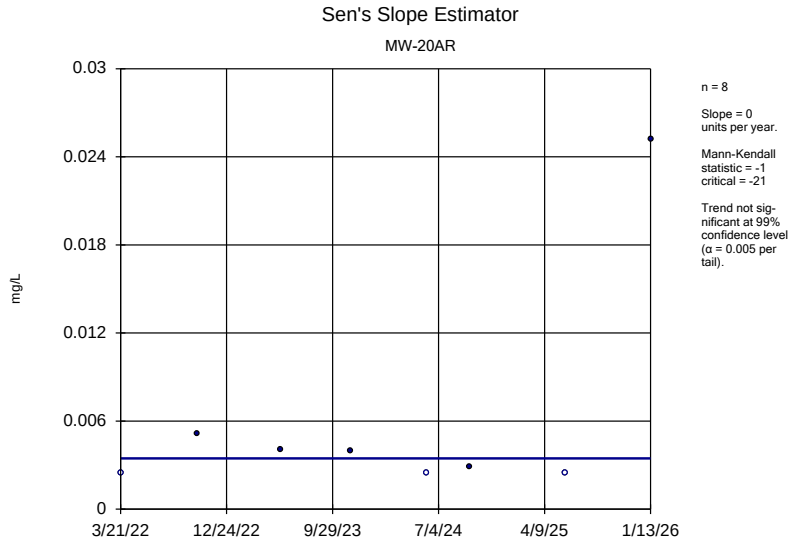
Sen's Slope Estimator

MW-20AR



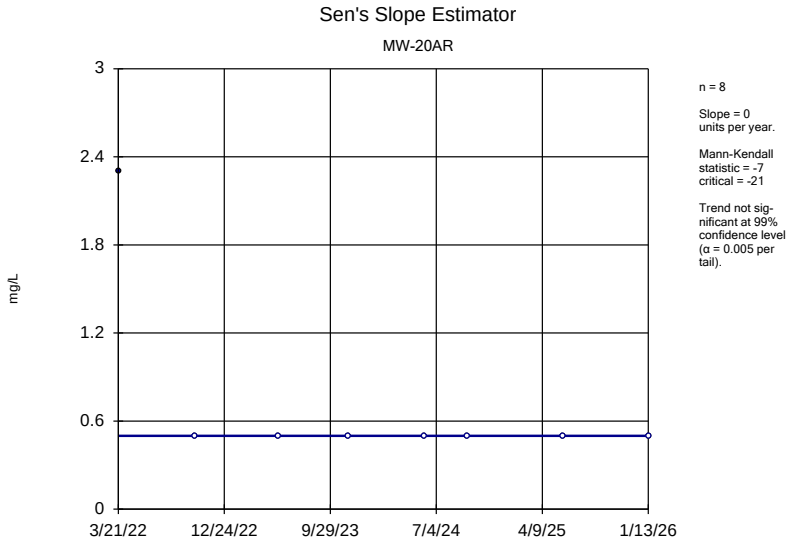
Constituent: Cobalt Analysis Run 4/23/2026 12:32 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL_2025_AWQR-AM

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.



Constituent: Copper Analysis Run 4/23/2026 12:32 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL_2025_AWQR-AM

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.



Constituent: Sulfide Analysis Run 4/23/2026 12:32 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL_2025_AWQR-AM

Confidence Interval Summary Table and Graphs

Confidence Interval

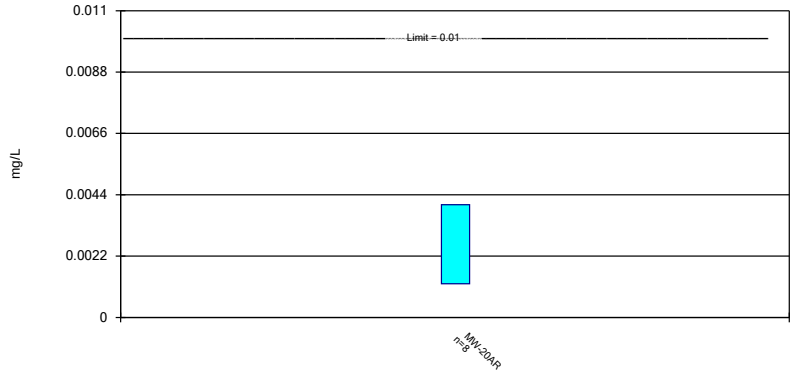
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL_2025_AWQR-AM Printed 4/23/2026, 12:41 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Arsenic (mg/L)	MW-20AR	0.004044	0.001206	0.01	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-20AR	0.05361	0.04476	2	No	8	0	No	0.01	Param.
Carbon disulfide (ug/L)	MW-20AR	1.05	0.5	700	No	8	75	No	0.004	NP (NDs)
Cobalt (mg/L)	MW-20AR	0.00137	0.000326	0.0021	No	8	0	No	0.004	NP (normality)
Copper (mg/L)	MW-20AR	0.0252	0.0025	1.3	No	8	37.5	No	0.004	NP (normality)
Sulfide (mg/L)	MW-20AR	2.3	0.5	1	No	8	87.5	No	0.004	NP (NDs)

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.

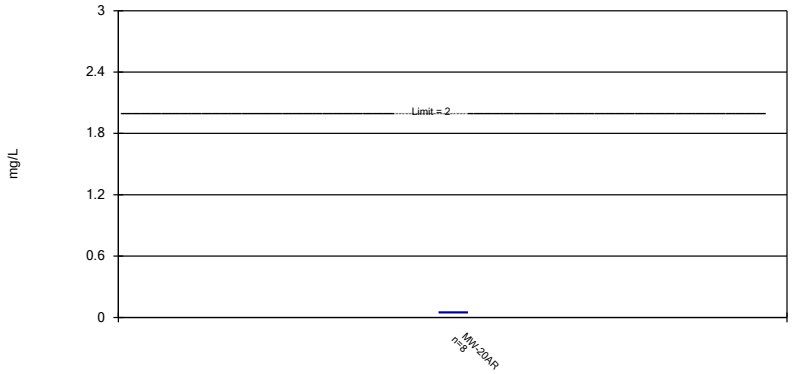


Constituent: Arsenic Analysis Run 4/23/2026 12:40 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL_2025_AWQR-AM

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.

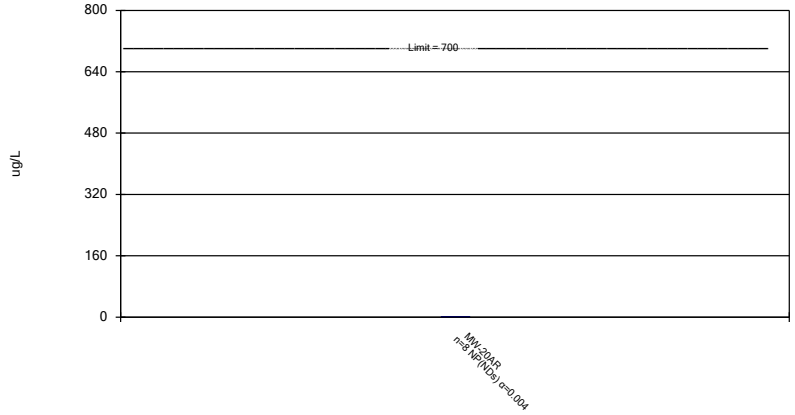


Constituent: Barium Analysis Run 4/23/2026 12:40 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL_2025_AWQR-AM

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

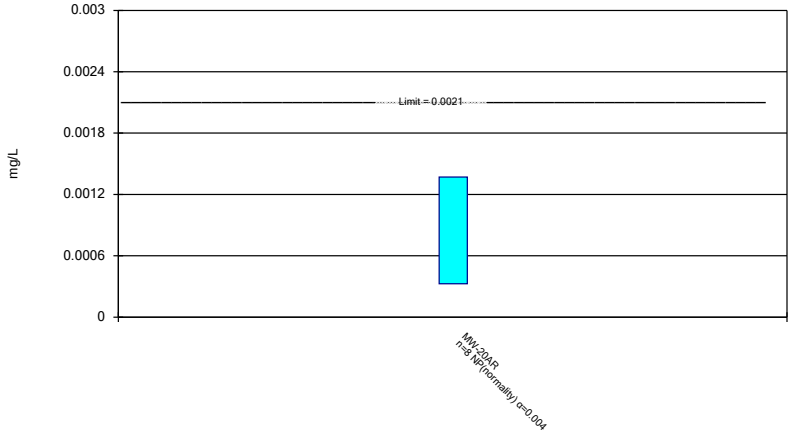


Constituent: Carbon disulfide Analysis Run 4/23/2026 12:40 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL_2025_AWQR-AM

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

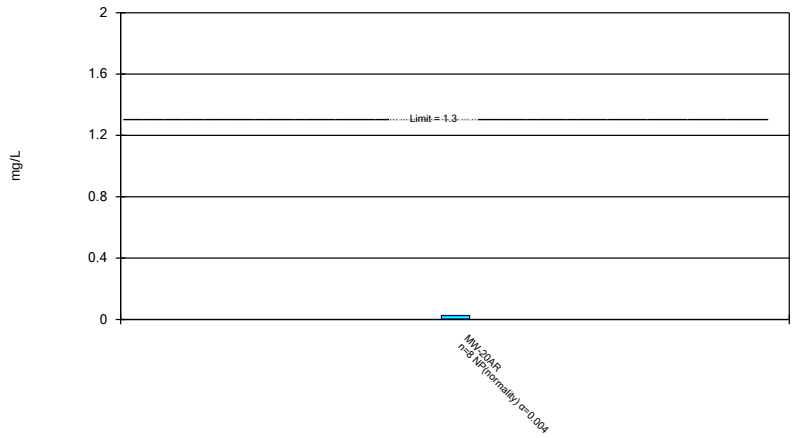


Constituent: Cobalt Analysis Run 4/23/2026 12:40 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL_2025_AWQR-AM

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

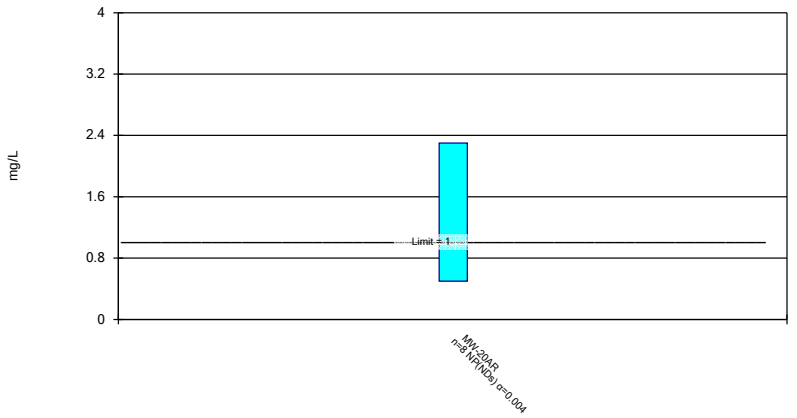


Constituent: Copper Analysis Run 4/23/2026 12:40 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL_2025_AWQR-AM

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



Constituent: Sulfide Analysis Run 4/23/2026 12:40 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SAL_2025_AWQR-AM

MW-41 Background Update
Outliers, Trends, and Welch's t-Test

MW-41 BG Outlier Analysis

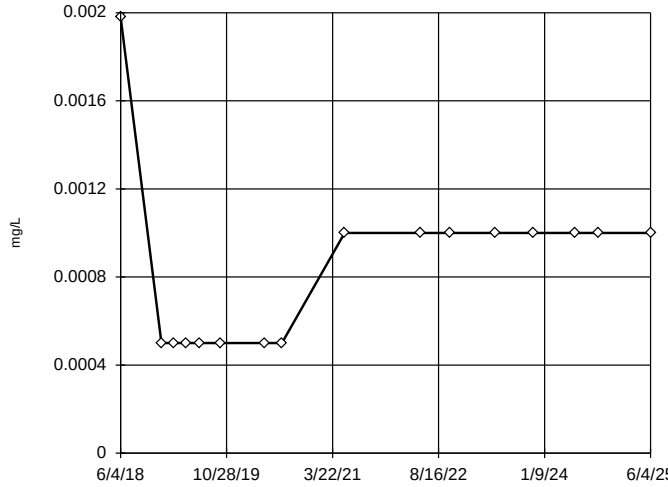
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/27/2026, 1:43 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	N	Mean	Std. Dev.	Normality Test
Antimony (mg/L)	MW-41	No	n/a	n/a	OH	16	0.0008425	0.0003927	n/a
Arsenic (mg/L)	MW-41	No	n/a	n/a	EPA/OH	19	0.003547	0.001901	ShapiroWilk
Barium (mg/L)	MW-41	No	n/a	n/a	EPA/OH	16	0.1883	0.05287	ShapiroWilk
Beryllium (mg/L)	MW-41	No	n/a	n/a	OH	16	0.000497	0.000012	n/a
Cadmium (mg/L)	MW-41	No	n/a	n/a	OH	16	0.0001199	0.00008031	n/a
Chromium (mg/L)	MW-41	No	n/a	n/a	OH	16	0.002455	0.0002706	n/a
Cobalt (mg/L)	MW-41	No	n/a	n/a	EPA/OH	16	0.002247	0.001517	ShapiroWilk
Copper (mg/L)	**MW-41**	**Yes**	**0.00592,0.00545**	**5/20/2021,6/4/2024**	**NP (nrm)/OH**	**17**	**0.002935**	**0.00111**	**ShapiroWilk**
Lead (mg/L)	MW-41	No	n/a	n/a	NP (nrm)/OH	17	0.0005515	0.0004923	ShapiroWilk
Nickel (mg/L)	MW-41	No	n/a	n/a	NP (nrm)/OH	16	0.003224	0.001315	ShapiroWilk
Vanadium (mg/L)	**MW-41**	**Yes**	**0.00446,0.00451**	**6/4/2018,5/20/2021**	**NP (nrm)/OH**	**16**	**0.002638**	**0.0007438**	**ShapiroWilk**
Zinc (mg/L)	**MW-41**	**Yes**	**0.0213,0.02**	**6/4/2025,11/4/2025**	**NP (nrm)/OH**	**17**	**0.01177**	**0.003595**	**ShapiroWilk**

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-41



n = 16

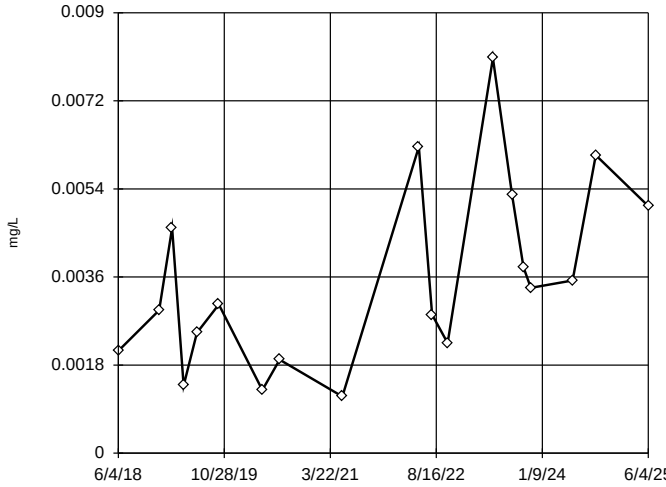
No statistical outliers.

Constituent: Antimony Analysis Run 4/27/2026 1:38 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-41



n = 19

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.003547, std. dev. 0.001901, critical Tn 2.532

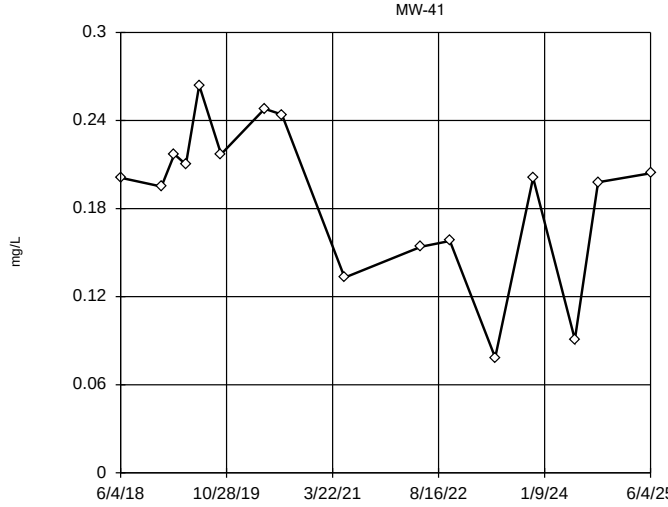
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9337
Critical = 0.863
The distribution was found to be normally distributed.

Constituent: Arsenic Analysis Run 4/27/2026 1:38 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-41



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.1883, std. dev. 0.05287, critical Tn 2.443

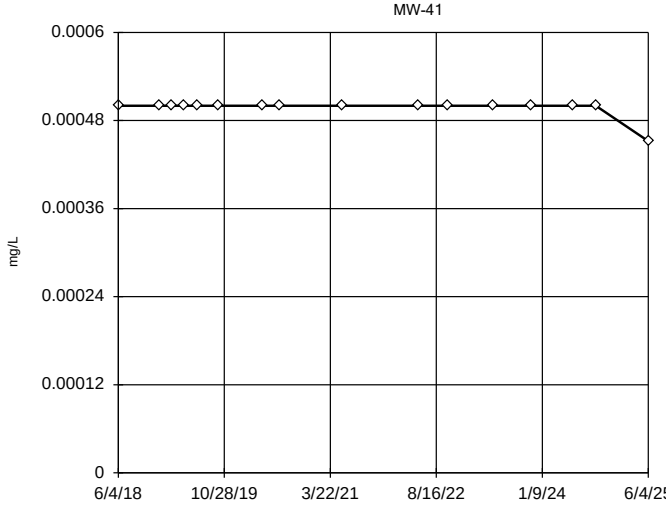
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.917
Critical = 0.844
The distribution was found to be normally distributed.

Constituent: Barium Analysis Run 4/27/2026 1:38 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-41



n = 16

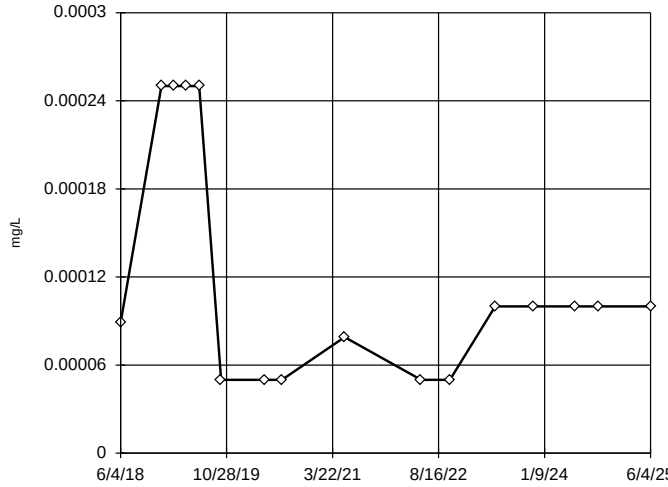
No statistical outliers.

Constituent: Beryllium Analysis Run 4/27/2026 1:38 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-41



n = 16

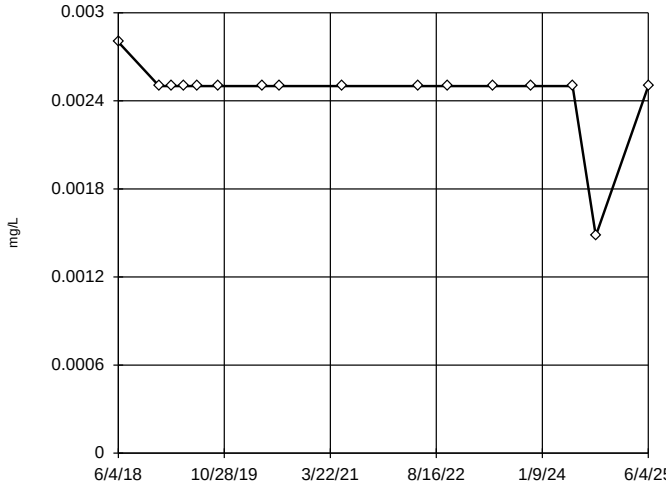
No statistical outliers.

Constituent: Cadmium Analysis Run 4/27/2026 1:38 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Ohio EPA 0715 Outlier Algorithm

MW-41



n = 16

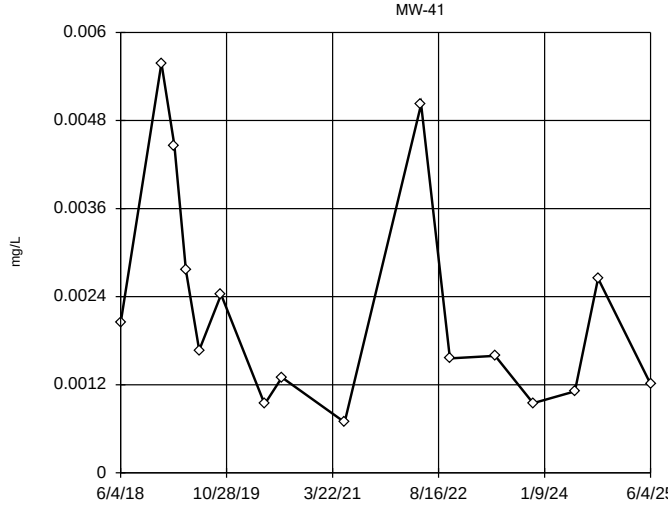
No statistical outliers.

Constituent: Chromium Analysis Run 4/27/2026 1:38 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

EPA Screening (suspected outliers for Dixon's Test)

MW-41



n = 16

Dixon's will not be run.
No suspect values identified or unable to establish suspect values.
Ohio method in use.
Mean 0.002247, std. dev. 0.001517, critical Tn 2.443

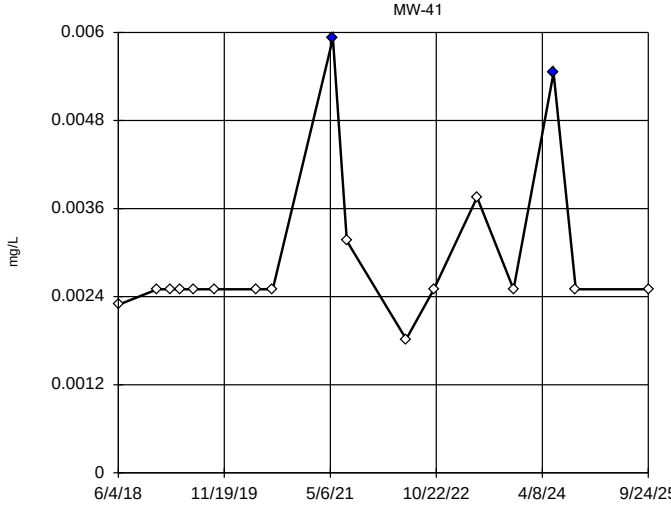
Normality test used:
Shapiro Wilk@alpha = 0.01
Calculated = 0.9561
Critical = 0.844 (after natural log transformation)
The distribution was found to be log-normal.

Constituent: Cobalt Analysis Run 4/27/2026 1:38 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-41



n = 17

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

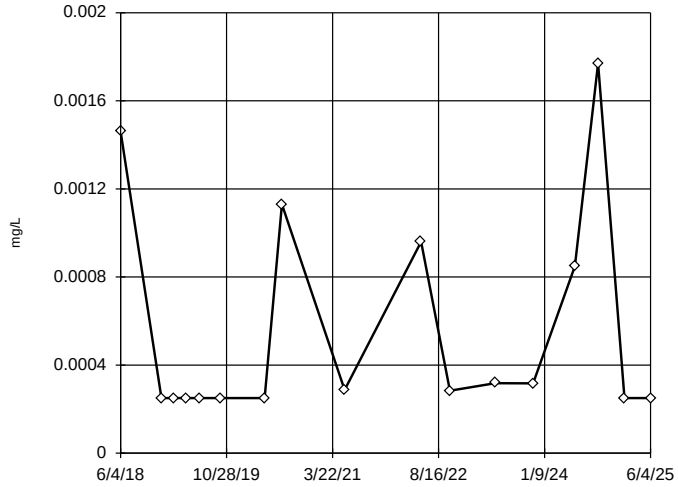
High cutoff = 0.00382, low cutoff = 0.00151, based on IQR multiplier of 3.

Constituent: Copper Analysis Run 4/27/2026 1:38 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-41



n = 17

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

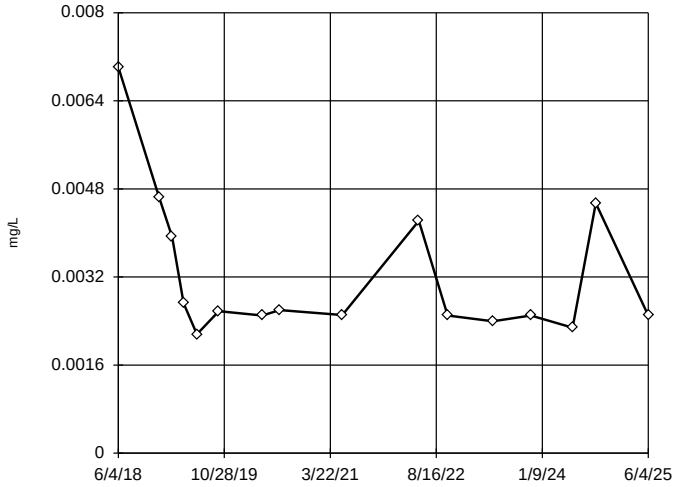
High cutoff = 0.002868, low cutoff = -0.001713, based on IQR multiplier of 3.

Constituent: Lead Analysis Run 4/27/2026 1:38 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-41



n = 16

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

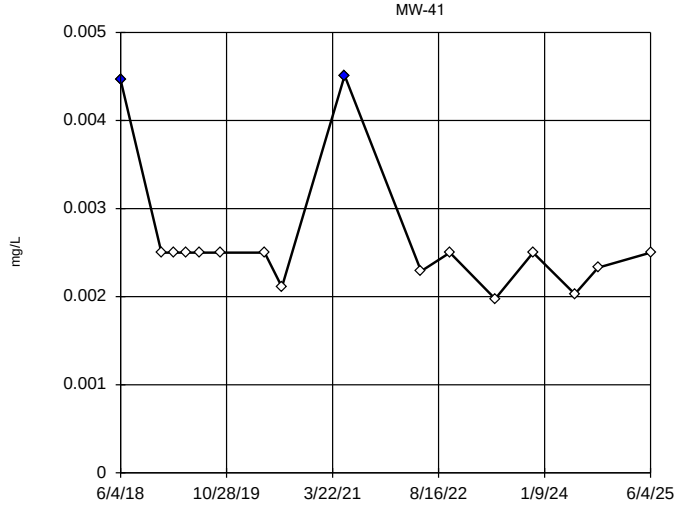
High cutoff = 0.0088, low cutoff = -0.002225, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 4/27/2026 1:38 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-41



n = 16

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

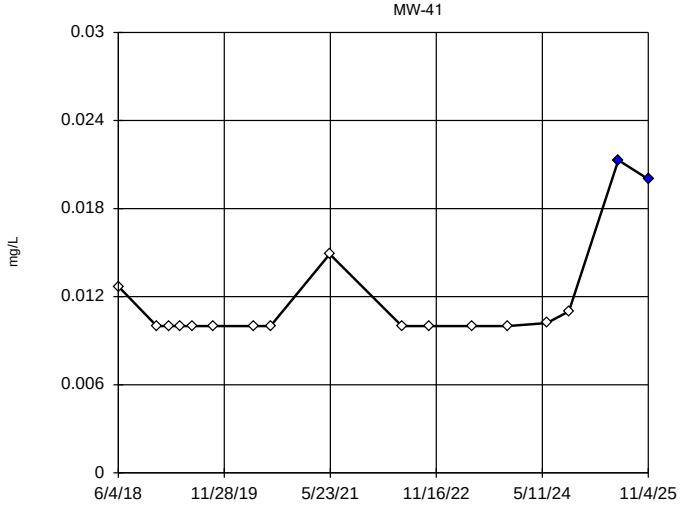
High cutoff = 0.00307, low cutoff = 0.00174, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 4/27/2026 1:38 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm

MW-41



n = 17

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.01 alpha level.

High cutoff = 0.0174, low cutoff = 0.00445, based on IQR multiplier of 3.

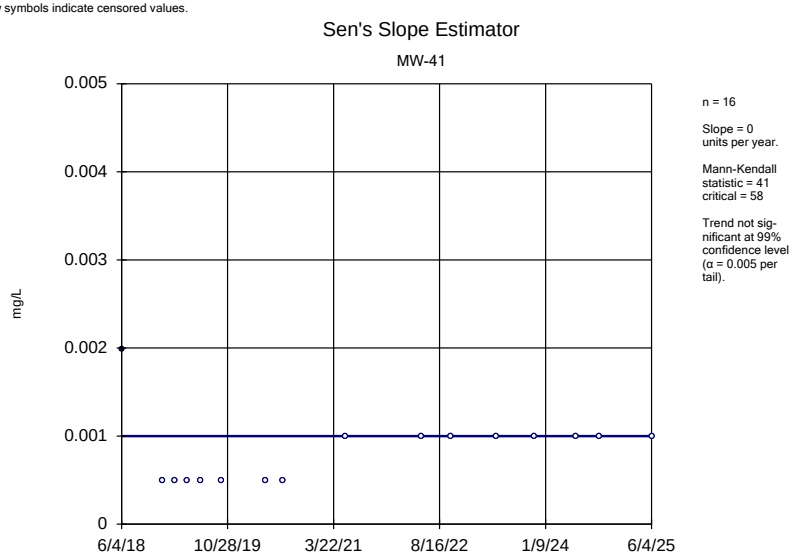
Constituent: Zinc Analysis Run 4/27/2026 1:38 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

MW-41 BG Trend Test

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/27/2026, 1:44 PM

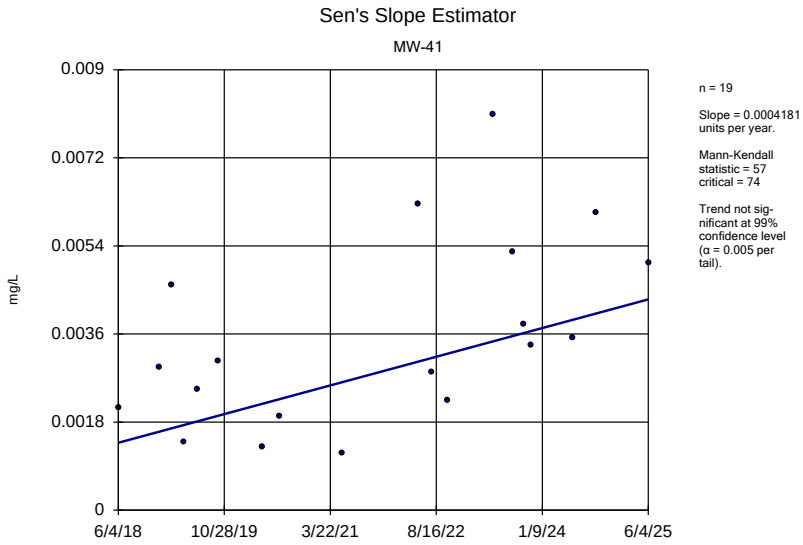
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Antimony (mg/L)	MW-41	0	41	58	No	16	93.75	0.01	NP
Arsenic (mg/L)	MW-41	0.0004181	57	74	No	19	0	0.01	NP
Barium (mg/L)	MW-41	-0.009164	-28	-58	No	16	0	0.01	NP
Beryllium (mg/L)	MW-41	0	-15	-58	No	16	93.75	0.01	NP
Cadmium (mg/L)	MW-41	0	-10	-58	No	16	87.5	0.01	NP
Chromium (mg/L)	MW-41	0	-27	-58	No	16	87.5	0.01	NP
Cobalt (mg/L)	MW-41	-0.000243	-40	-58	No	16	0	0.01	NP
Copper (mg/L)	MW-41	0	29	63	No	17	64.71	0.01	NP
Lead (mg/L)	MW-41	0	22	63	No	17	47.06	0.01	NP
Nickel (mg/L)	MW-41	-0.00007414	-46	-58	No	16	25	0.01	NP
Vanadium (mg/L)	MW-41	-0.00001033	-36	-58	No	16	56.25	0.01	NP
Zinc (mg/L)	MW-41	0	41	63	No	17	70.59	0.01	NP

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.



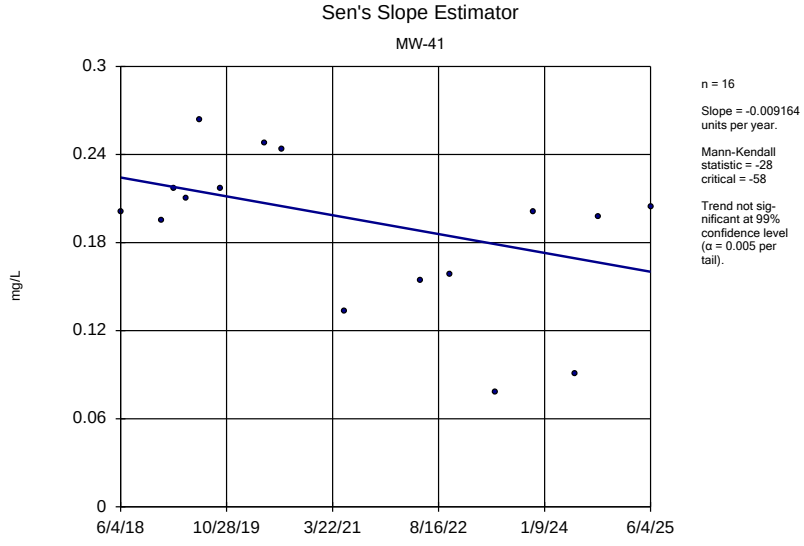
Constituent: Antimony Analysis Run 4/27/2026 1:43 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG



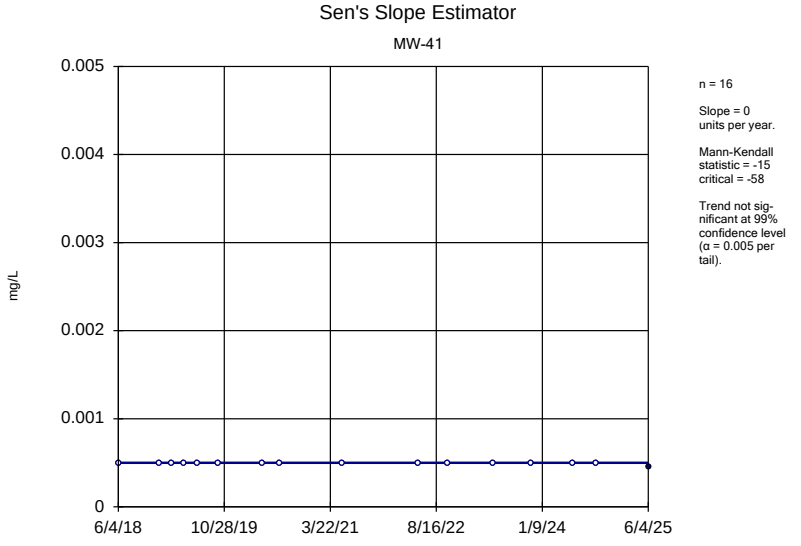
Constituent: Arsenic Analysis Run 4/27/2026 1:43 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG



Constituent: Barium Analysis Run 4/27/2026 1:43 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

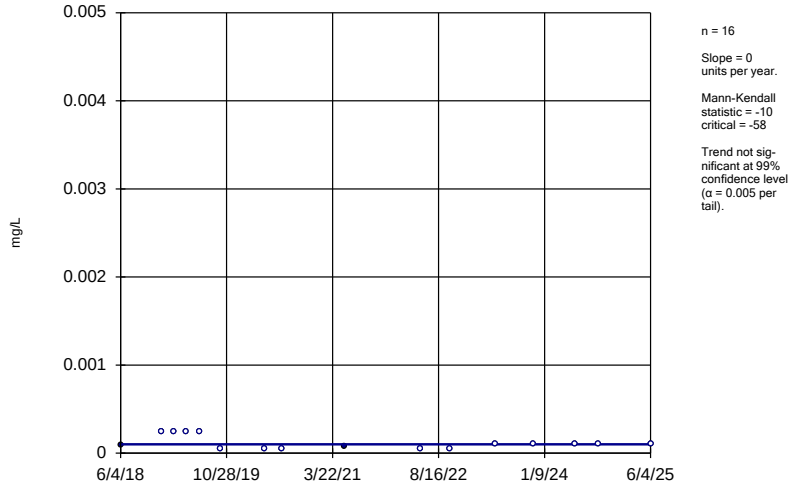


Constituent: Beryllium Analysis Run 4/27/2026 1:43 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-41

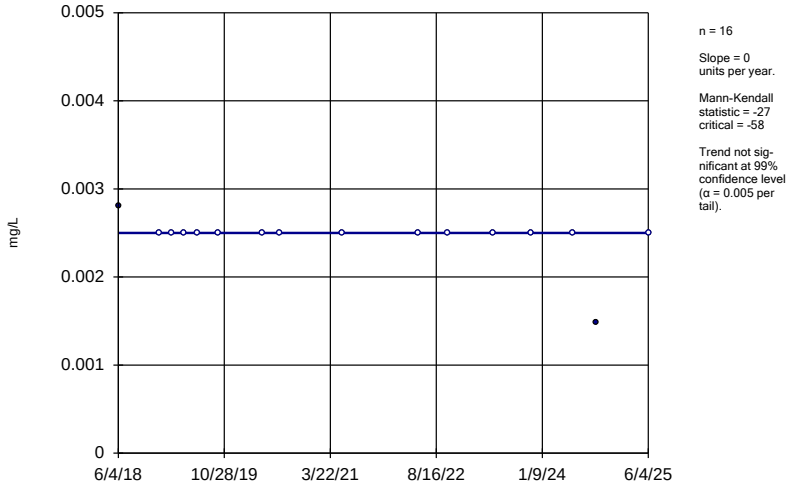


Constituent: Cadmium Analysis Run 4/27/2026 1:43 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-41

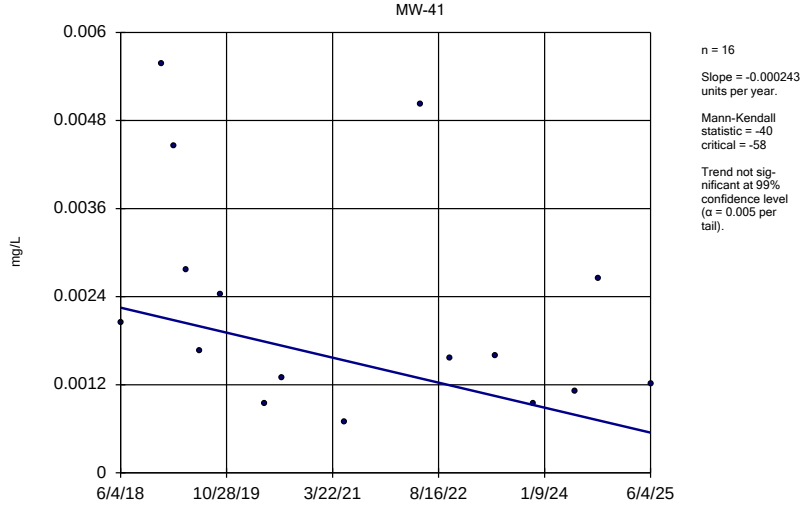


Constituent: Chromium Analysis Run 4/27/2026 1:43 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Sen's Slope Estimator

MW-41

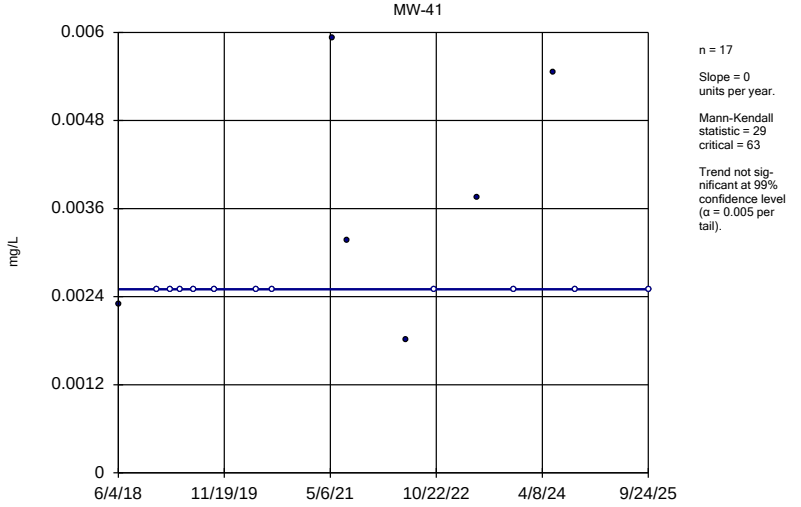


Constituent: Cobalt Analysis Run 4/27/2026 1:43 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

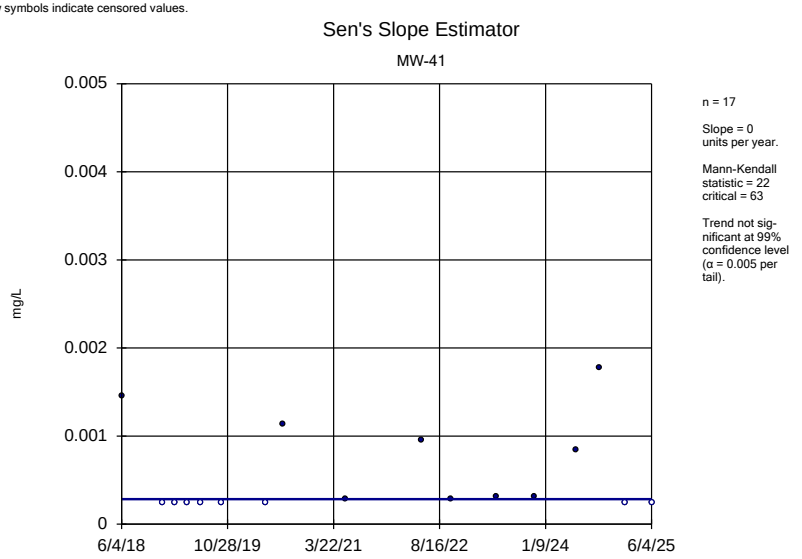
Sen's Slope Estimator

MW-41



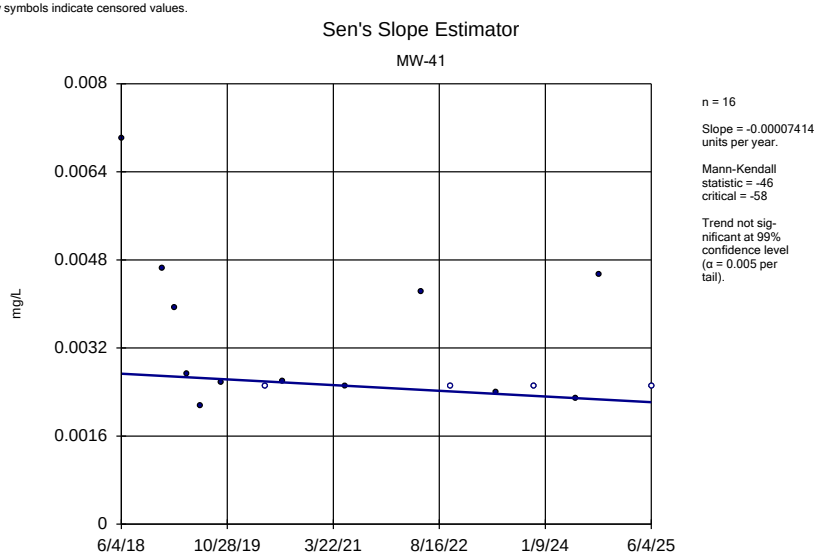
Constituent: Copper Analysis Run 4/27/2026 1:43 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.



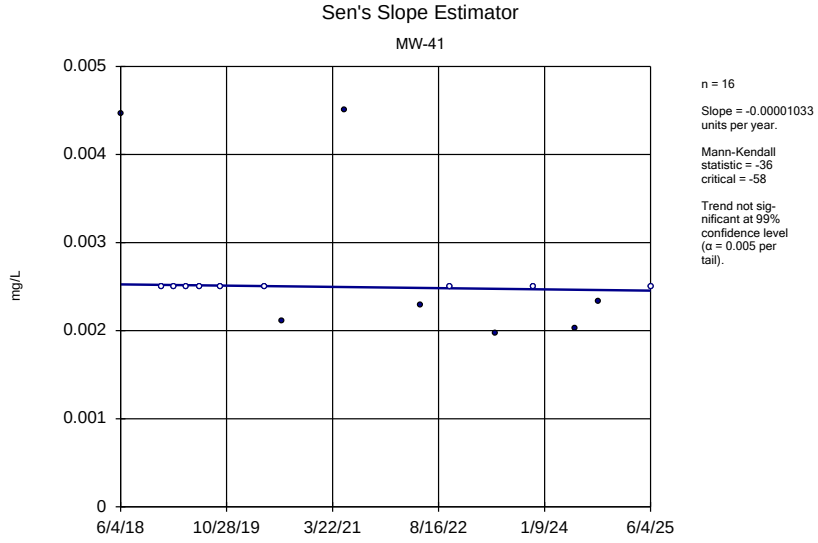
Constituent: Lead Analysis Run 4/27/2026 1:43 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.



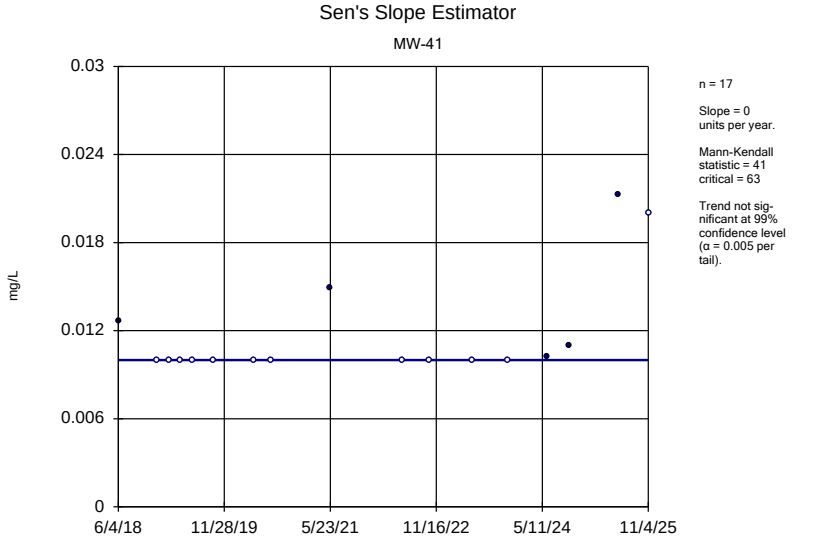
Constituent: Nickel Analysis Run 4/27/2026 1:43 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.



Constituent: Vanadium Analysis Run 4/27/2026 1:43 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.



Constituent: Zinc Analysis Run 4/27/2026 1:43 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

MW-41 BG Welch's t-test/Mann-Whitney

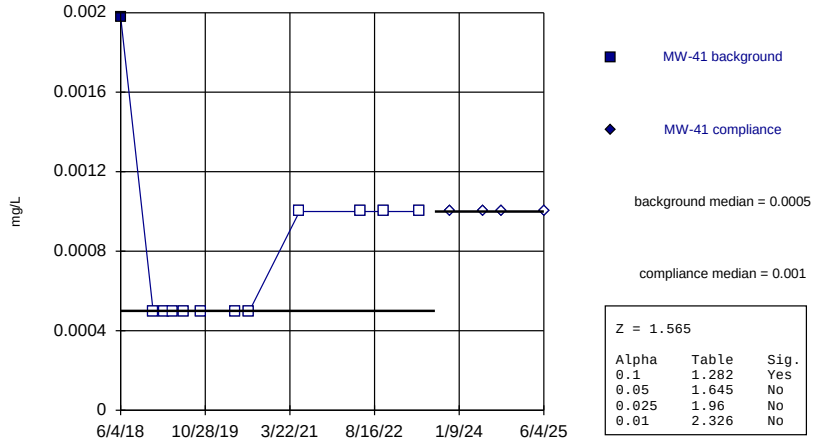
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL Printed 4/27/2026, 1:53 PM

Constituent	Well	Calc.	0.01	Method
Antimony (mg/L)	MW-41 (bg)	1.565	No	Mann-W (NDs)
Arsenic (mg/L)	MW-41	1.481	No	Welch`s
Barium (mg/L)	MW-41	-0.6276	No	Welch`s
Beryllium (mg/L)	MW-41 (bg)	-1.876	No	Mann-W (NDs)
Cadmium (mg/L)	MW-41 (bg)	0.6929	No	Mann-W (NDs)
Chromium (mg/L)	MW-41 (bg)	-1.687	No	Mann-W (NDs)
Cobalt (mg/L)	MW-41	-1.663	No	Welch`s
Copper (mg/L)	MW-41 (bg)	0.4637	No	Mann-W (normality)
Lead (mg/L)	MW-41 (bg)	0.5008	No	Mann-W (normality)
Nickel (mg/L)	MW-41	-0.4779	No	Welch`s
Vanadium (mg/L)	MW-41 (bg)	-1.002	No	Mann-W (normality)
Zinc (mg/L)	MW-41 (bg)	2.282	No	Mann-W (NDs)

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

MW-41 (bg)



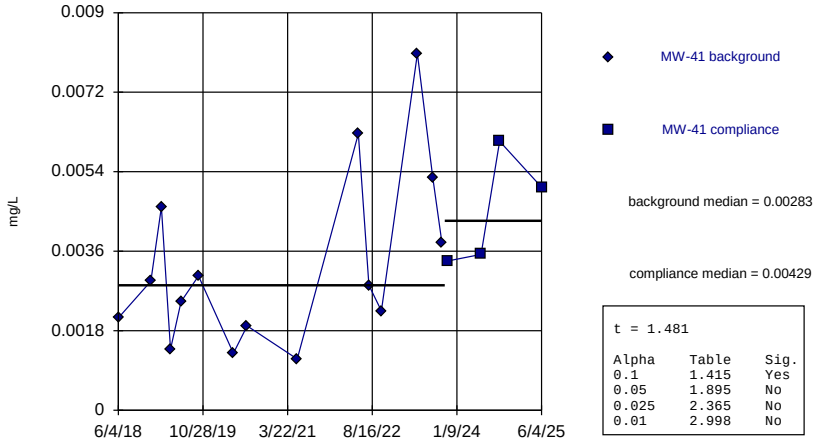
Mann-Whitney (Wilcoxon Rank Sum) used in lieu of Welch's t-test because censored data exceeded 75%.

Constituent: Antimony Analysis Run 4/27/2026 1:53 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Welch's t-test

MW-41



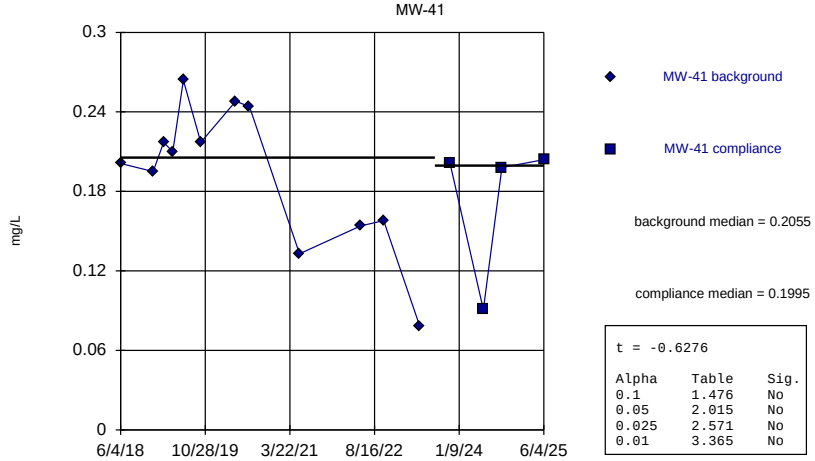
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8859, critical = 0.835.

Constituent: Arsenic Analysis Run 4/27/2026 1:53 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Welch's t-test

MW-41



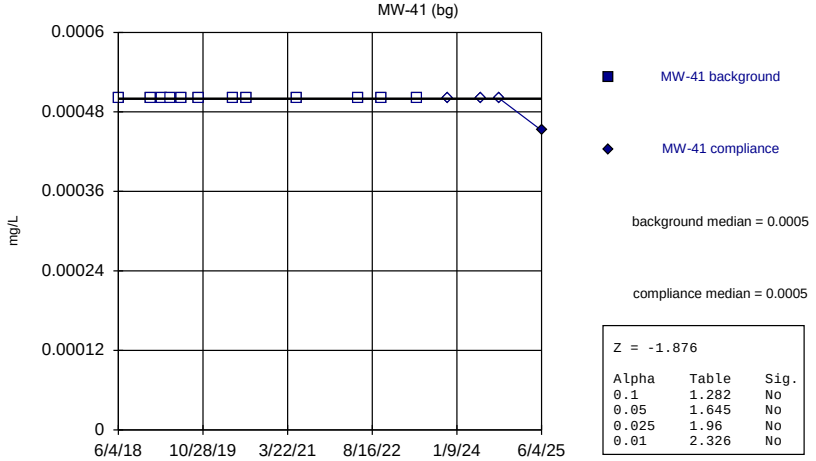
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9416, critical = 0.805.

Constituent: Barium Analysis Run 4/27/2026 1:53 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

MW-41 (bg)



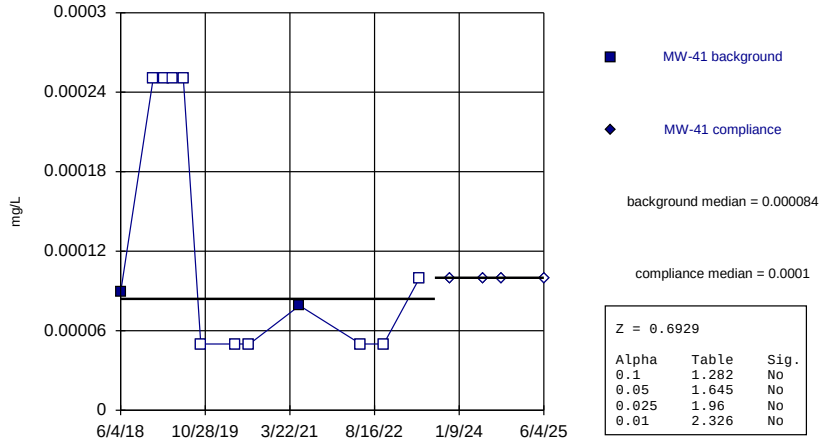
Mann-Whitney (Wilcoxon Rank Sum) used in lieu of Welch's t-test because censored data exceeded 75%.

Constituent: Beryllium Analysis Run 4/27/2026 1:53 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

MW-41 (bg)



Z = 0.6929

Alpha	Table	Sig.
0.1	1.282	No
0.05	1.645	No
0.025	1.96	No
0.01	2.326	No

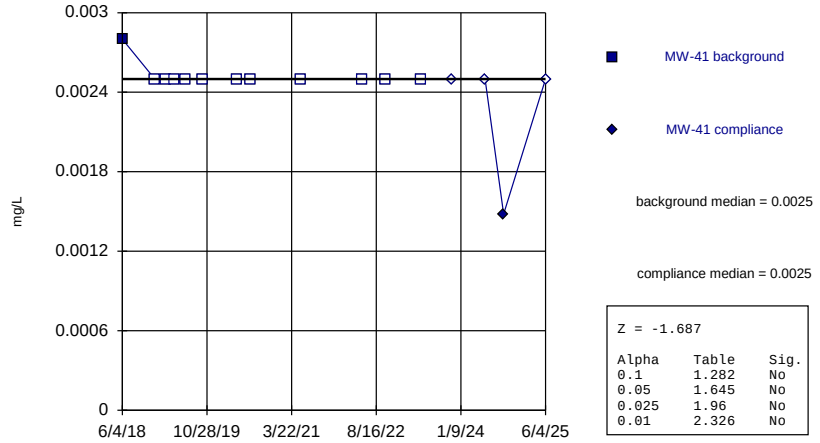
Mann-Whitney (Wilcoxon Rank Sum) used in lieu of Welch's t-test because censored data exceeded 75%.

Constituent: Cadmium Analysis Run 4/27/2026 1:53 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

MW-41 (bg)



Z = -1.687

Alpha	Table	Sig.
0.1	1.282	No
0.05	1.645	No
0.025	1.96	No
0.01	2.326	No

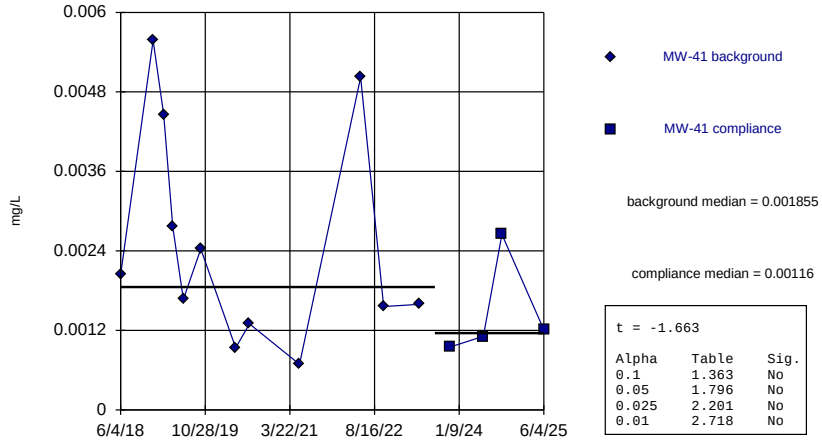
Mann-Whitney (Wilcoxon Rank Sum) used in lieu of Welch's t-test because censored data exceeded 75%.

Constituent: Chromium Analysis Run 4/27/2026 1:53 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG

Welch's t-test

MW-41



t = -1.663

Alpha	Table	Sig.
0.1	1.363	No
0.05	1.796	No
0.025	2.201	No
0.01	2.718	No

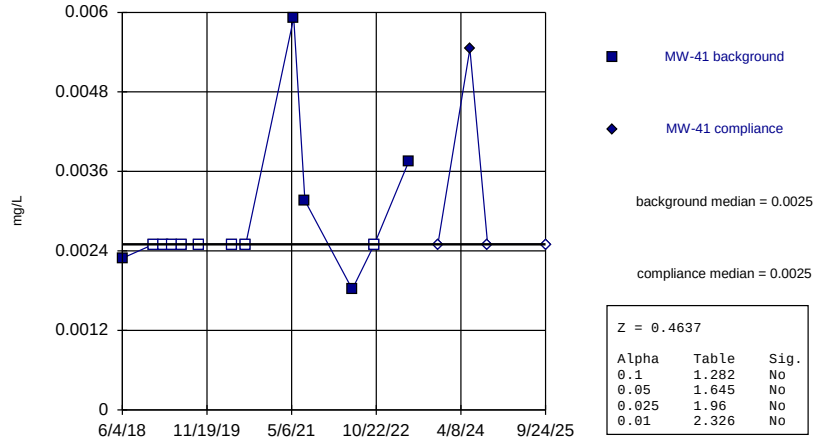
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8659, critical = 0.805.

Constituent: Cobalt Analysis Run 4/27/2026 1:53 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

MW-41 (bg)



Z = 0.4637

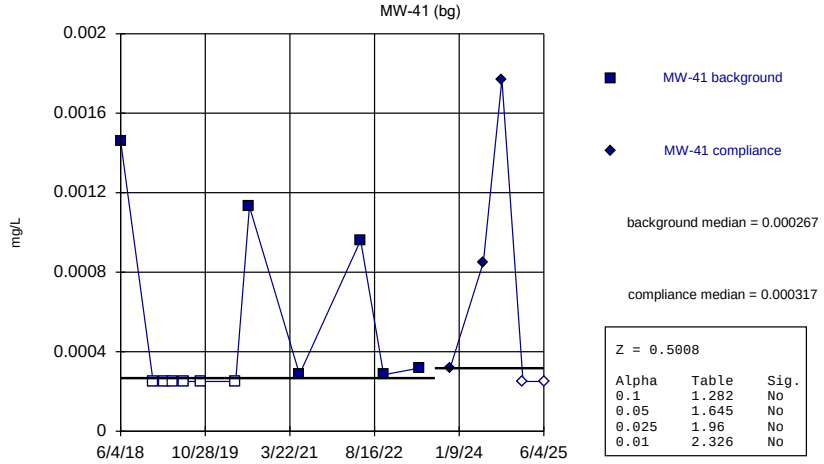
Alpha	Table	Sig.
0.1	1.282	No
0.05	1.645	No
0.025	1.96	No
0.01	2.326	No

Mann-Whitney (Wilcoxon Rank Sum) used in lieu of Welch's t-test because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level.

Constituent: Copper Analysis Run 4/27/2026 1:53 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

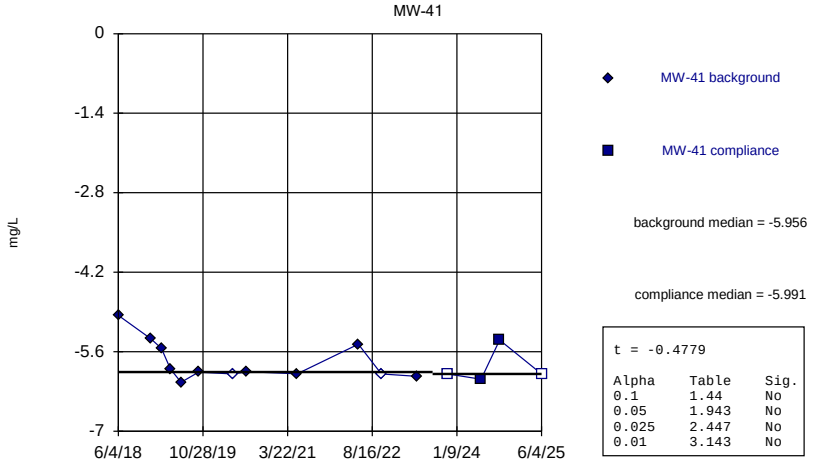


Mann-Whitney (Wilcoxon Rank Sum) used in lieu of Welch's t-test because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level.

Constituent: Lead Analysis Run 4/27/2026 1:53 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Welch's t-test

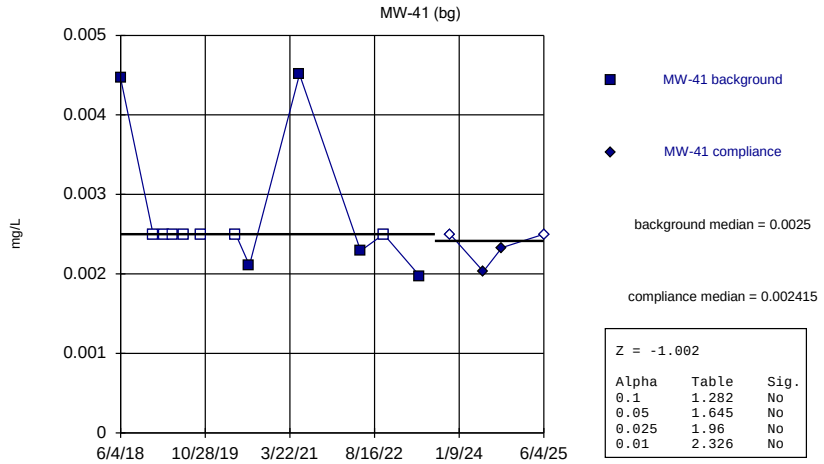


Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8152 after natural log transformation, critical = 0.805.

Constituent: Nickel Analysis Run 4/27/2026 1:53 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

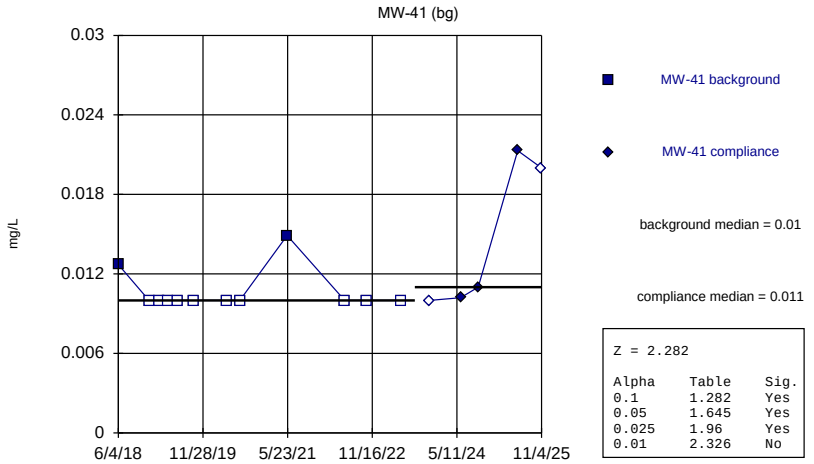


Mann-Whitney (Wilcoxon Rank Sum) used in lieu of Welch's t-test because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level.

Constituent: Vanadium Analysis Run 4/27/2026 1:53 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Sanitas™ v.10.1.06 Software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)



Mann-Whitney (Wilcoxon Rank Sum) used in lieu of Welch's t-test because censored data exceeded 75%.

Constituent: Zinc Analysis Run 4/27/2026 1:53 PM View: 2025AWQR-MW-41-BG_Update
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SAL

Appendix E
2025 Leachate Control System Performance Evaluation Report

2025 LEACHATE CONTROL SYSTEM PERFORMANCE EVALUATION REPORT

FOR

SCOTT AREA LANDFILL
BUFFALO, IOWA

PERMIT NO. 82-SDP-09-92P

SUBMITTAL DATE: MAY 2026

PREPARED FOR:
WASTE COMMISSION OF SCOTT COUNTY

PREPARED BY:
SCS ENGINEERS

Table of Contents

Section 1.0 Introduction 1-1

1.1 Location of Control System 1-1

1.2 Effectiveness of Leachate System in Attaining Minimum Achievable Levels 1-1

1.3 Approved Changes to System 1-2

1.4 Proposed Changes to System 1-2

1.5 Recommendations 1-2

List of Figures

Figure 1 Leachate Control System

List of Attachments

Attachment A Leachate Management Summary

Attachment B Leachate Laboratory Analytical Data Sheets

Section 1.0
Introduction

SCS Engineers (SCS), on behalf of the Waste Commission of Scott County (Commission), has prepared this Leachate Control System Performance Evaluation Report (LCSPER) for the Scott Area municipal solid waste landfill unit (SAL MSWLF unit). The purpose of this report is to evaluate the effectiveness of the leachate control system in place at the SAL MSWLF unit with supplemental information regarding leachate collection from the closed Scott County MSWLF unit (SCL MSWLF unit). This LCSPER was prepared in general accordance with the requirements of Iowa Administrative Code (IAC) 567-113.7(5)"b"(14) and additional Iowa Department of Natural Resources (DNR) requirements specified in the SAL MSWLF unit's current operating permit, most recently renewed on April 13, 2026 (Doc #116840). This LCSPER describes the leachate control system monitoring program, provides an evaluation of the effectiveness of the system, and, if necessary, makes recommendations for additional control measures. The reporting period covered in this document is January through December 2025.

1.1 Location of Control System

The Commission's landfill property is located approximately two miles east-northeast of the city of Buffalo, Iowa, on County Road Y-48, three miles south of Highway 61. The portion of the property subject to waste disposal consists of approximately 115 acres, with approximately 54 acres associated with the closed SCL MSWLF unit and approximately 61 acres associated with the active SAL MSWLF unit, and is generally located within Sections 12 and 13, Township 77 North, Range 2 East, in Scott County, Iowa.

The leachate collection systems for the SAL and SCL MSWLF units are shown in Figure 1. The leachate collection system for the SAL MSWLF unit was installed to collect leachate from the composite-lined Cells 1 through 9. Leachate is collected from Cells 1 through 9 into five sumps (LS-1 through LS-4 and LS-6) and pumped to the two 1-million-gallon leachate lagoons. A leachate extraction system for the SCL MSWLF unit was installed to draw down leachate levels to increase landfill gas collection. Extracted leachate is conveyed from landfill gas wells to a lift station (LS-5), from which leachate is pumped to the leachate lagoons. Remote data collection systems (telemetry systems) have been installed on selected leachate control system components.

1.2 Effectiveness of Leachate System in Attaining Minimum Achievable Levels

Monthly head levels and leachate disposal volumes are included in Attachment A. The SAL MSWLF unit is required to maintain leachate head levels less than 12 inches over the liner. The leachate piezometers in Cell 6 and Cell 8 were reported as dry during this reporting period and were therefore within the compliance limit of 12 inches.

The following discussions address the SAL MSWLF unit lift stations.

SAL Lift Station LS-1

The monthly average thickness data in SAL lift station LS-1 was below the compliance level of 60 inches throughout this reporting period, with the exception of a reading of 71.6 inches in December 2025. The elevated reading was the result of a malfunctioning transducer. Since December 2025, the lift station has been manually turned on and pumped until dry three times each week to maintain compliance. This process will continue until the transducer is replaced.

SAL Lift Station LS-2

The monthly average thickness data in SAL lift station LS-2 was below the compliance level of 50 inches throughout this reporting period.

SAL Lift Station LS-3

The monthly average thickness data in SAL lift station LS-3 was below the compliance level of 73 inches throughout this reporting period.

SAL Lift Station LS-4

The monthly average thickness data in SAL lift station LS-4 was below the compliance level of 52 inches throughout this reporting period.

SAL Lift Station LS-6

The monthly average thickness data in SAL lift station LS-6 was below the compliance level of 72 inches throughout this reporting period.

1.3 Approved Changes to System

During this reporting period, maintenance on the leachate control system was performed as listed below:

- June 2025 – Replaced the condensate pump on the southwest side of the SCL MSWLF unit.
- July 2025 - Install additional pump and variable flow drives (VFDs) at the leachate lagoons.
- July 2025 – Reset the LS-1 flow meter.
- July 2025 – Replaced the pump in LS-2.

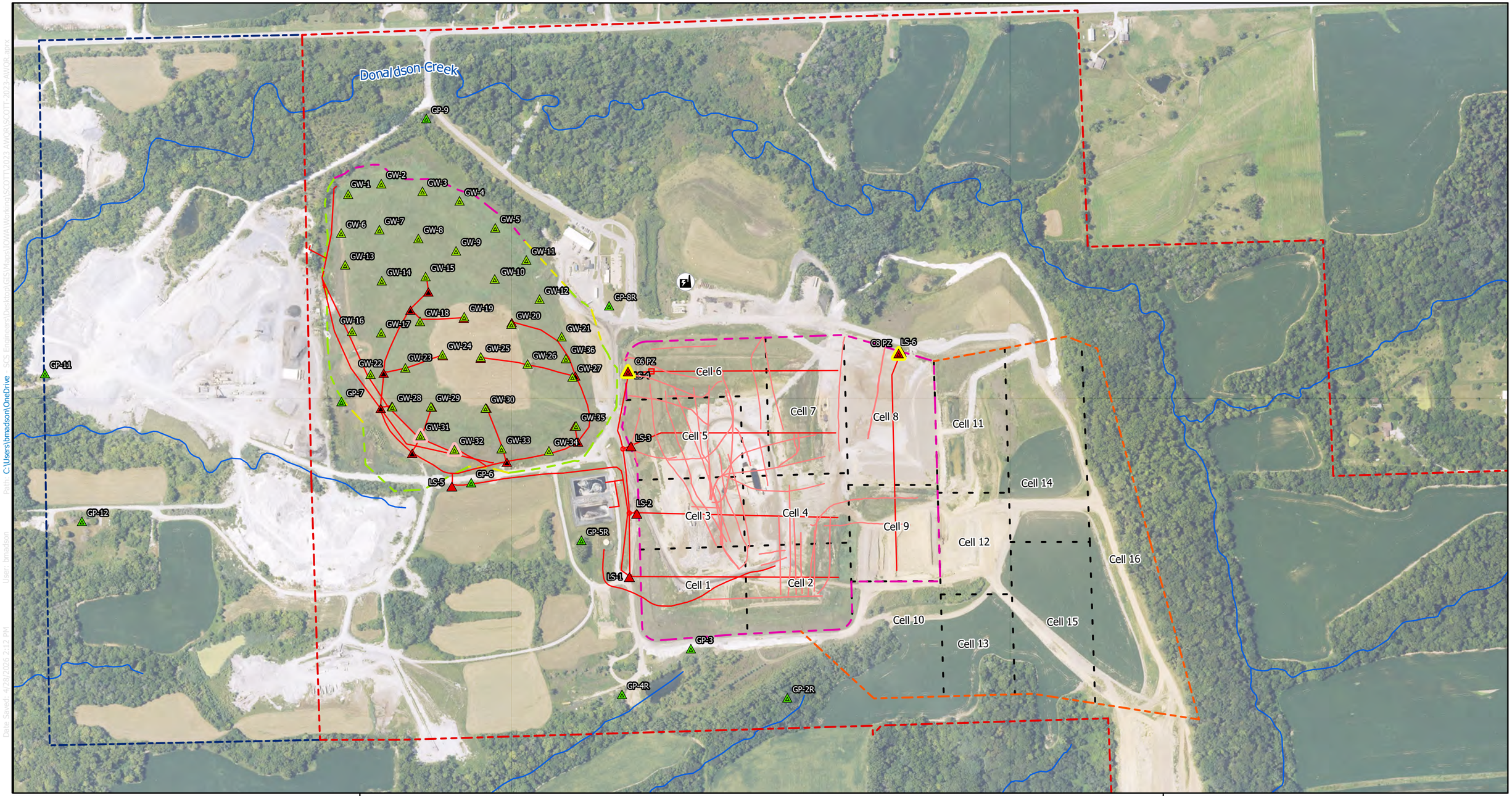
1.4 Proposed Changes to System

There are no proposed changes to the leachate management systems at the facility at this time.

1.5 Recommendations

SCS recommends continuing to perform the following items to maintain the effectiveness of the leachate collection system:

- Continue operation and maintenance of the leachate collection system in accordance with the approved Leachate Control System Plan.
- Continue to monitor telemetry system data to ensure leachate collection systems are working properly.
- Conduct monthly measurements of leachate levels in the Cell 6 and Cell 8 leachate piezometers.
- Continue recording the volume of leachate recirculated in the SAL MSWLF unit, evaporated from the leachate lagoons, and hauled to the publicly-owned treatment works (POTW). Continue analytical testing to comply with the requirements of the POTW. These volumes are included in Attachment A. Analytical results for the reporting period are included in Attachment B.
- Continue cleaning the leachate collection system once every three years, or more frequently if performance declines indicate cleaning is necessary. The next cleaning is scheduled for 2027.
- Evaluate inventory of spare parts on-site to minimize the downtime for the leachate pumping and transducer systems.



Path: C:\Users\bmadson\OneDrive - SCS Engineers\Desktop\GIS\Maps\IOWA\Working\SCOTT\2023 AWOR\SCOTT-2023-AWOR.aprx
User: bmadson
Date Saved: 4/28/2026 2:12 PM

Leachate Control System

Figure 1

SCS ENGINEERS
environmental consultants and contractors

Legend

- Leachate Monitoring Location
- SCL Pumped Well in 2025
- Lift Station
- Cleanout
- Gas Extraction Well
- Gas Monitoring Point
- Leachate Recirculation Trench
- Leachate Line
- Waga RNG Facility
- Approximate Future Waste Boundary
- Located Waste Boundary
- Approximate Waste Boundary
- Interpolated Waste Boundary
- Approximate Location of Cell Boundary
- Approximate Lease Boundary
- Easement Boundary
- Stream

Waste Commission of
Scott County Landfill
Davenport, Iowa
Project No: 27225277.26
Drawing Date: March 2026

N
W
E
S

0 280 560 1,120 1,680
Feet

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, CGIAR, USGS, USDA NAIP, Iowa State University GIS Facility

ATTACHMENT A

Leachate Management Summary

Attachment A
Leachate Management Summary
2025 Leachate Control System Performance Evaluation Report
Scott Area Landfill
Permit No. 82-SDP-09-92P

	Cells 1,2 LS-1	Cells 3,4 LS-2	Cells 5,6,7 LS-3	Cells 6,7 LS-4	Cell 8 LS-6	Cell 6 Piezometer	Cell 8 Piezometer	Leachate Collected (gal)		Volume Evaporated (gal)	Volume Recirculated (gal)	Discharged to City of Davenport POTW (gal)	Precipitation (in)
	Compliance Thickness (in)							Scott County	Scott Area	Lagoon Misters	Scott Area		
Month	**60.0**	**50.0**	**73.0**	**52.0**	**72.0**	**12.0**	**12.0**						
January 2025	32.6	27.8	65.3	29.4	44.3	Dry	Dry	924	192,621		0	510,795	0.23
February 2025	33.8	25.6	63.5	30.1	38.9	Dry	Dry	213,408	239,797		0	518,365	0.59
March 2025	35.0	22.3	64.2	30.0	37.6	Dry	Dry	88,161	314,144		0	557,081	2.81
April 2025	31.8	24.6	63.0	28.1	43.4	Dry	Dry	58,382	327,454		0	485,099	2.58
May 2025	34.3	24.7	51.5	30.2	43.3	Dry	Dry	45,008	326,713	450,000*	0	602,744	4.16
June 2025	34.4	24.5	63.6	30.0	41.6	Dry	Dry	37,512	374,240		394,551	555,269	3.60
July 2025	35.2	36.1	55.6	30.6	42.6	Dry	Dry	36,440	422,050		182,351	568,474	9.42
August 2025	34.9	26.9	56.3	30.2	42.0	Dry	Dry	37,401	525,919		438,396	855,887	3.55
September 2025	33.5	22.0	65.8	30.2	41.3	Dry	Dry	32,535	458,663		563,626	675,550	0.33
October 2025	35.5	27.0	64.7	29.8	40.8	Dry	Dry	33,855	399,416		180,220	680,708	1.38
November 2025	39.1	25.1	59.5	30.8	43.9	Dry	Dry	28,678	281,304		78,625	445,947	0.98
December 2025	71.6	23.0	60.8	30.6	37.8	Dry	Dry	30,908	315,803		0	405,487	0.81
January-December 2025 Total Gallons:								**643,212**	**4,178,124**	**450,000***	**1,837,769**	**6,861,406**	**30.44**

Notes:
Leachate levels are measured by Landfill personnel.
Precipitation data was provided by Landfill personnel.
* - The volume is estimated. The misters ran periodically throughout the summer.

Comments:
Reporting Period: January-December 2025.
Approved Changes to Leachate Collection System: None.
Recommended Changes to Leachate Collection System: Calibrate flow meters to investigate the discrepancy between the collected volume and the evaporated/recirculated/discharged volume.
Maintenance Performed on Leachate Collection System: Refer to Section 1.3 of the narrative.
Last Date of Cleaning and Inspection: The most recent cleaning and inspection occurred in July 2024 by Environmental Management Systems, Inc., Davenport, Iowa.
Date for Next Cleaning and Inspection: Leachate line cleaning and inspection will be performed next in 2027.
Volume of Leachate Evaporated: An estimated 450,000 gallons of leachate were evaporated by the misters in the leachate lagoons.
Volume of Leachate Recirculated: Approximately 1,837,769 gallons of leachate were recirculated into the SAL MSWLF unit during this reporting period.
Volume of Leachate Treated On-Site: Leachate is not treated on-site.
Volume of Leachate Treated Off-Site: 6,861,406 gallons of leachate were hauled to the POTW during this reporting period.
Leachate Quality Testing Results: The leachate sample results obtained from WCSC staff are included in Attachment B.

ATTACHMENT B

Leachate Laboratory Analytical Data Sheets

DAVENPORT
PUBLIC WORKS

Davenport Water Pollution Control Laboratory
PO Box 3606
Davenport, Iowa 52808
Phone (563) 326-7965
Fax (563) 326-7858

Analytical Report

REPORT TO
Waste Commission of Scott County **bseals@wastecom.com**

Sample ID **AB18368**

Outfall # **1**

Sample Collection Date: 12/17/2025

Sample Collector : NF

Sample Type : Grab

Sample Report Date : 1/8/2026

Analyte Name	Result	Units	Analysis Method	Analyst	Analysis Date	Qualifier
TSS	32	mg/L	SM 2540D	BK	12/17/25	
Grab pH	8.01	S.U.	SM 4500H+ B	NF	12/17/25	
Oil and Grease	<5	mg/L	EPA 1664B	MA	12/22/25	
Total Cyanide	0.067	mg/l	SM 4500-CN C,E	MA	12/23/25	
BOD	390	mg/L	SM 5210B	BK	12/18/25	
Aluminum	0.0557	mg/l	EPA 200.7	JV	12/22/25	
Arsenic	<0.02	mg/l	EPA 200.7	JV	12/22/25	
Cadmium	<0.01	mg/l	EPA 200.7	JV	12/22/25	
Chromium	0.2091	mg/l	EPA 200.7	JV	12/22/25	
Copper	0.0298	mg/l	EPA 200.7	JV	12/22/25	
Lead	0.0504	mg/l	EPA 200.7	JV	12/22/25	
Molybdenum	0.6327	mg/l	EPA 200.7	JV	12/22/25	
Nickel	0.6550	mg/l	EPA 200.7	JV	12/22/25	
Selenium	<0.01	mg/l	EPA 200.7	JV	12/22/25	
Silver	<0.005	mg/l	EPA 200.7	JV	12/22/25	
Zinc	0.1204	mg/l	EPA 200.7	JV	12/22/25	

Reviewed and Approved By: Victoria Gleason

IA DNR Lab #: 221

DAVENPORT
PUBLIC WORKS

Davenport Water Pollution Control Laboratory
PO Box 3606
Davenport, Iowa 52808
Phone (563) 326-7965
Fax (563) 326-7858

Analytical Report

REPORT TO
Waste Commission of Scott County **bseals@wastecom.com**

Sample ID **AB16999**
Outfall # **1**
Sample Collection Date: 9/29/2025
Sample Collector : NF
Sample Type : Grab
Sample Report Date : 10/8/2025

Analyte Name	Result	Units	Analysis Method	Analyst	Analysis Date	Qualifier
TSS	28	mg/L	SM 2540D	BK	9/29/25	
Grab pH	8.12	S.U.	SM 4500H+ B	NF	9/29/25	
Oil and Grease	<5	mg/L	EPA 1664B	JKA	9/30/25	
Total Cyanide	0.30	mg/l	SM 4500-CN C,E	JKA	10/1/25	
BOD	338	mg/L	SM 5210B	JV	9/30/25	
Aluminum	0.5657	mg/l	EPA 200.7	JV	10/6/25	
Arsenic	<0.02	mg/l	EPA 200.7	JV	10/6/25	
Cadmium	<0.01	mg/l	EPA 200.7	JV	10/6/25	
Chromium	<0.01	mg/l	EPA 200.7	JV	10/6/25	
Copper	0.0573	mg/l	EPA 200.7	JV	10/6/25	
Lead	<0.01	mg/l	EPA 200.7	JV	10/6/25	
Molybdenum	<0.01	mg/l	EPA 200.7	JV	10/6/25	
Nickel	<0.01	mg/l	EPA 200.7	JV	10/6/25	
Selenium	<0.01	mg/l	EPA 200.7	JV	10/6/25	
Silver	<0.005	mg/l	EPA 200.7	JV	10/6/25	
Zinc	0.0947	mg/l	EPA 200.7	JV	10/6/25	

Reviewed and Approved By: Victoria Gleason

IA DNR Lab #: 221

DO NOT ACCEPT UNLESS THIS CHECK IS PRINTED WITH A COLOR BACKGROUND, CONTAINS A VOID PANTOGRAPH, MICROPRINTING FACE AND BACK, UV FIBERS AND A WATERMARK ON THE REVERSE SIDE

DAVENPORT
PUBLIC WORKS

Davenport Water Pollution Control Laboratory
PO Box 3606
Davenport, Iowa 52808
Phone (563) 326-7965
Fax (563) 326-7858

Analytical Report

REPORT TO
Waste Commission of Scott County **bseals@wastecom.com**

Sample ID **AB15304**
Outfall # **1**
Sample Collection Date: 6/16/2025
Sample Collector : NF
Sample Type : Grab
Sample Report Date : 7/7/2025

Analyte Name	Result	Units	Analysis Method	Analyst	Analysis Date	Qualifier
TSS	37	mg/L	SM 2540D	MA	6/16/25	
Grab pH	8.08	S.U.	SM 4500H+ B	NF	6/16/25	
Oil and Grease	<5	mg/L	EPA 1664B	JV	6/26/25	
Total Cyanide	<0.01	mg/l	SM 4500-CN C,E	JV	6/27/25	
BOD	394	mg/L	SM 5210B	MA	6/17/25	
Aluminum	0.0639	mg/l	EPA 200.7	MA	6/26/25	
Arsenic	<0.02	mg/l	EPA 200.7	MA	6/26/25	
Cadmium	<0.01	mg/l	EPA 200.7	MA	6/26/25	
Chromium	0.2178	mg/l	EPA 200.7	MA	6/26/25	
Copper	0.0243	mg/l	EPA 200.7	MA	6/26/25	
Lead	0.0321	mg/l	EPA 200.7	MA	6/26/25	
Molybdenum	0.3715	mg/l	EPA 200.7	MA	6/26/25	
Nickel	0.5184	mg/l	EPA 200.7	MA	6/26/25	
Selenium	<0.01	mg/l	EPA 200.7	MA	6/26/25	
Silver	<0.005	mg/l	EPA 200.7	MA	6/26/25	
Zinc	0.1043	mg/l	EPA 200.7	MA	6/26/25	

Reviewed and Approved By: Victoria Gleason

IA DNR Lab #: 221

DAVENPORT
PUBLIC WORKS

Davenport Water Pollution Control Laboratory
PO Box 3606
Davenport, Iowa 52808
Phone (563) 326-7965
Fax (563) 326-7858

Analytical Report

REPORT TO
Waste Commission of Scott County

Sample ID **AB13761**
Outfall # **1**
Sample Collection Date/Time : 3/17/2025 1200:00
Sample Collector : NF
Sample Type : Grab
Sample Report Date : 4/9/2025

Analyte Name	Result	Units	Analysis Method	Analyst	Analysis Date	Qualifier
TSS	34	mg/L	SM 2540D	MA	3/17/25	
Grab pH	8.56	S.U.	SM 4500H+ B	NF	3/17/25	
Total Phenol	0.046	mg/l	EPA 420.1	JDC	3/26/25	
Oil and Grease	8	mg/L	EPA 1664B	JDC	3/27/25	
Total Cyanide	<0.01	mg/l	SM 4500-CN C,E	JDC	3/24/25	
BOD	56	mg/L	SM 5210B	MA	3/18/25	
Aluminum	0.1048	mg/l	EPA 200.7		3/20/25	
Arsenic	<0.02	mg/l	EPA 200.7		3/20/25	
Cadmium	<0.01	mg/l	EPA 200.7		3/20/25	
Chromium	0.2338	mg/l	EPA 200.7		3/20/25	
Copper	0.0295	mg/l	EPA 200.7		3/20/25	
Lead	0.0240	mg/l	EPA 200.7		3/20/25	
Molybdenum	0.4446	mg/l	EPA 200.7		3/20/25	
Nickel	0.5209	mg/l	EPA 200.7		3/20/25	
Selenium	<0.01	mg/l	EPA 200.7		3/20/25	
Silver	<0.005	mg/l	EPA 200.7		3/20/25	
Zinc	0.0820	mg/l	EPA 200.7		3/20/25	

Reviewed and Approved By: Victoria Gleason

IA DNR Lab #: 221

Appendix F
2025 Landfill Gas Annual Report

Gas Monitoring Summary
2025 Landfill Gas Annual Report
Scott Area Landfill
Permit No. 82-SDP-09-92P

Gas Plan Monitoring Points			Methane Results (% LEL)							
Name	Type	Description	1/29/2025	S (Y/N)	6/3/2025	S (Y/N)	9/24/2025	S (Y/N)	12/5/2025	S (Y/N)
GP-2R	Subsurface	Gas Probe	0%	N	0%	N	0%	N	0%	N
GP-3	Subsurface	Gas Probe	0%	N	0%	N	0%	N	NM (snow)	
GP-4R	Subsurface	Gas Probe	0%	N	0%	N	0%	N	0%	N
GP-5R	Subsurface	Gas Probe	0%	N	0%	N	0%	N	0%	N
GP-8R	Subsurface	Gas Probe	1%	N	39%	N	57%	N	13%	N
OP-6S	Subsurface	Monitoring Well	0%	N	0%	N	0%	N	0%	N
OP-7S	Subsurface	Monitoring Well	0%	N	0%	N	0%	N	0%	N
MW-106	Subsurface	Monitoring Well	0%	N	0%	N	0%	N	0%	N
MW-116	Subsurface	Monitoring Well	0%	N	0%	N	0%	N	0%	N
UD-3	Subsurface	Underdrain System	0%		0%		0%		0%	
Office Building	Indoor	Monitoring Point	0%		0%		0%		0%	
HHM Building	Indoor	Monitoring Point	0%		0%		0%		0%	
Maintenance Building	Indoor	Monitoring Point	0%		0%		0%		0%	
Utility Pad Storm Sewer Outlet	Indoor	Monitoring Point	0%		0%		0%		0%	
Utility Pad Storm Sewer Manhole	Indoor	Monitoring Point	0%		0%		0%		0%	
Flame Control Building	Indoor	Monitoring Point	<1%		<1%		0%		<1%	

Notes:

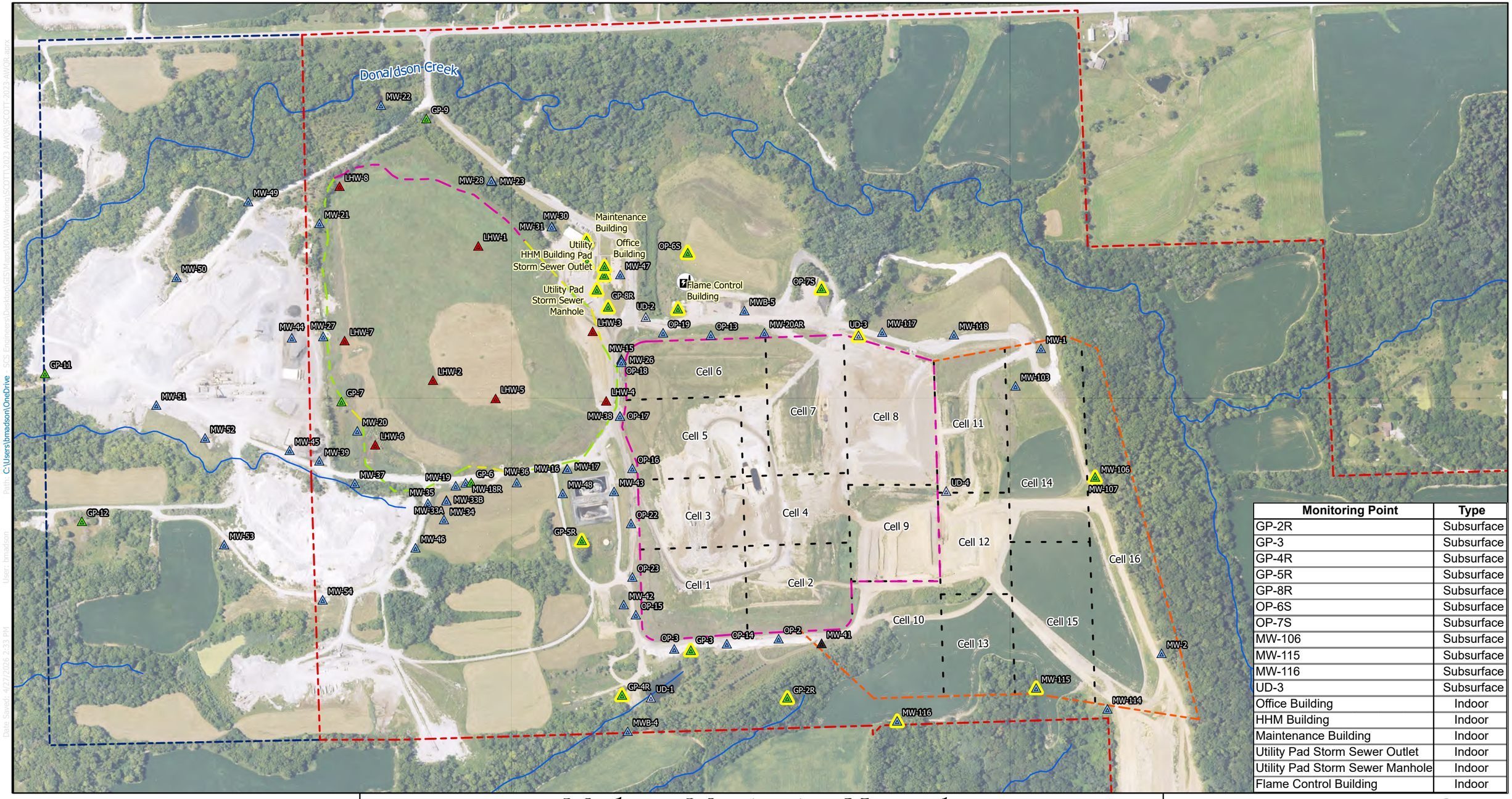
S(Y/N) - Was screen submerged, yes or no or blank is non-applicable.

The WAGABOX® structures are the responsibility of and are monitored by Waga Energy USA.

Comments:

1) No action levels were exceeded during this reporting period.

2) Monitoring point GP-2R was abandoned during this reporting period and will be replaced following Cell 10 construction.



Monitoring Point	Type
GP-2R	Subsurface
GP-3	Subsurface
GP-4R	Subsurface
GP-5R	Subsurface
GP-8R	Subsurface
OP-6S	Subsurface
OP-7S	Subsurface
MW-106	Subsurface
MW-115	Subsurface
MW-116	Subsurface
UD-3	Subsurface
Office Building	Indoor
HHM Building	Indoor
Maintenance Building	Indoor
Utility Pad Storm Sewer Outlet	Indoor
Utility Pad Storm Sewer Manhole	Indoor
Flame Control Building	Indoor

Methane Monitoring Network

Figure 1

Legend

- Methane Monitoring Points
- Monitoring Well
- Underdrain Location
- Abandoned HMSP Monitoring Well (January 2026)
- Monitoring Well
- Underdrain Location
- Leachate Monitoring Point
- Gas Monitoring Point
- Waga RNG Facility
- Approximate Future Waste Boundary
- Located Waste Boundary
- Approximate Waste Boundary
- Interpolated Waste Boundary
- Approximate Location of Cell Boundary
- Approximate Lease Boundary
- Easement Boundary
- Stream

Waste Commission of Scott County Landfill
Davenport, Iowa
Project No: 27225277.26
Drawing Date: March 2026

W S N E

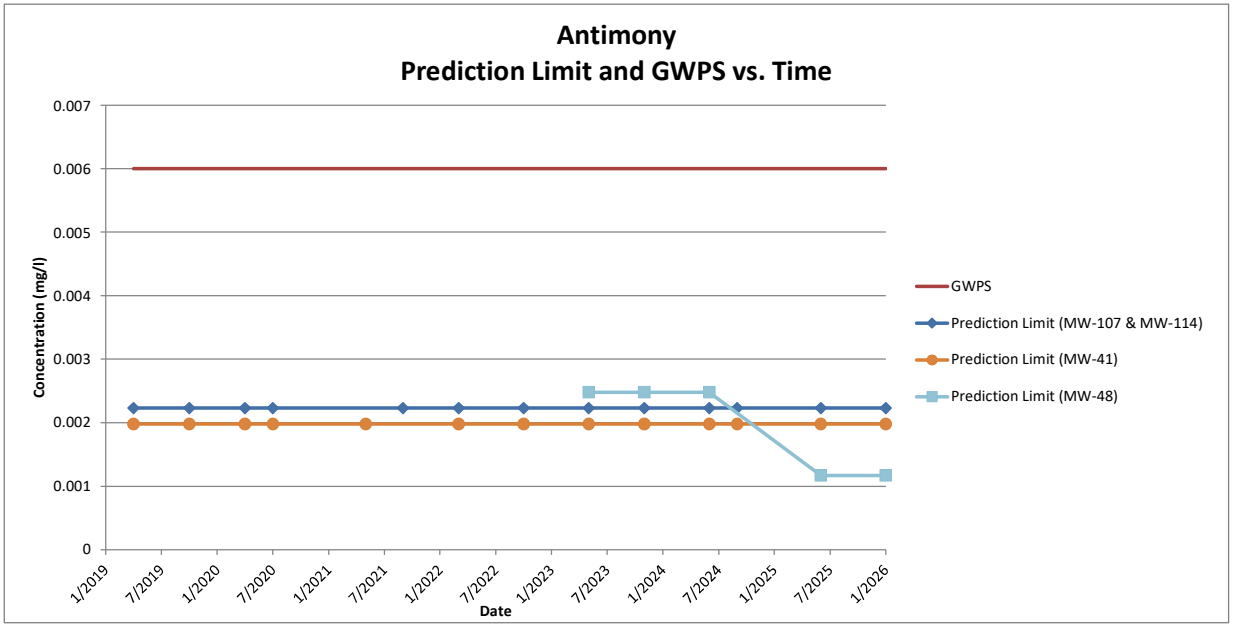
0 280 560 1,120 1,680 Feet

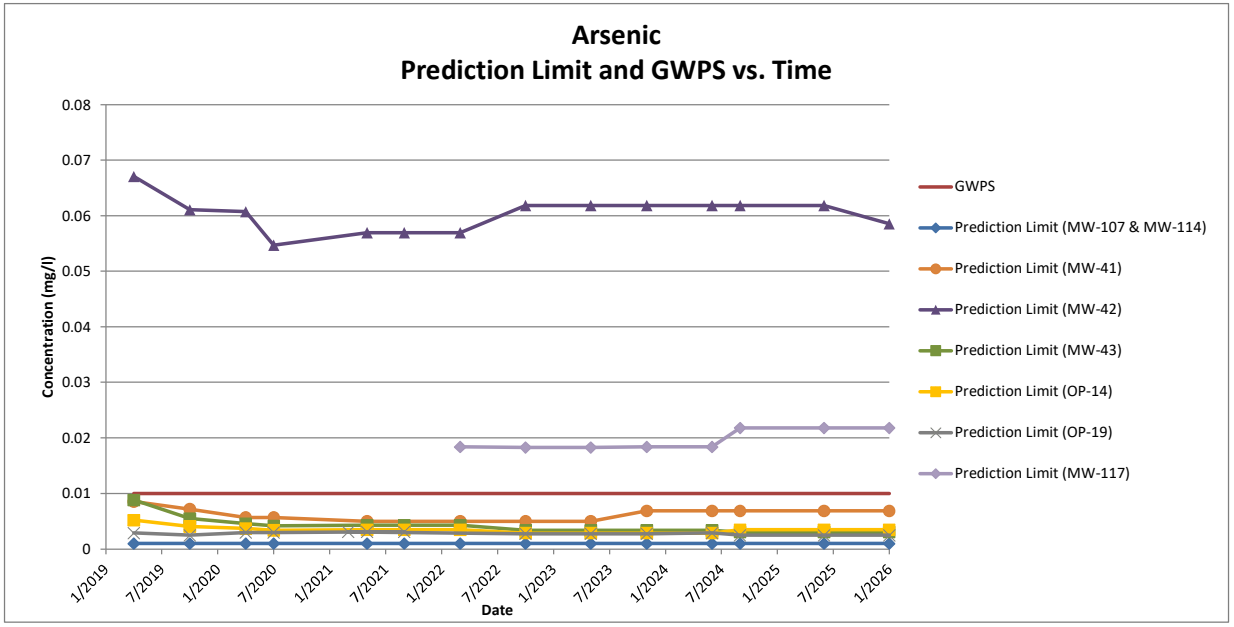
SCS ENGINEERS
environmental consultants and contractors

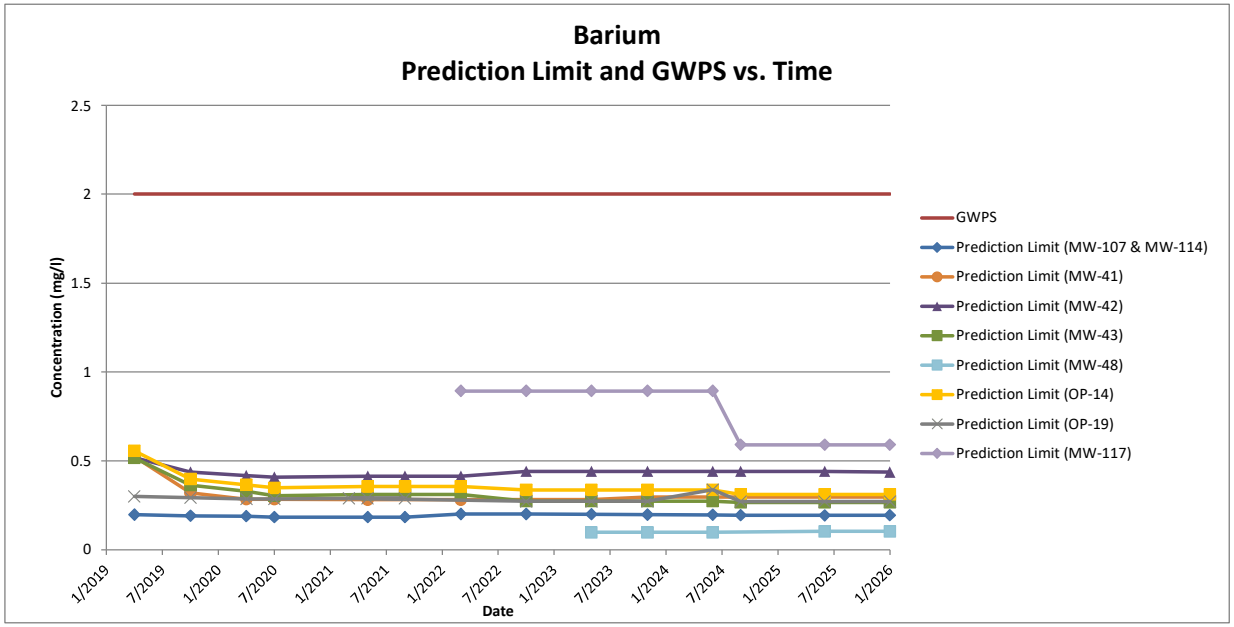
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, CoIAR, USGS, USDA NAIP, Iowa State University GIS Facility

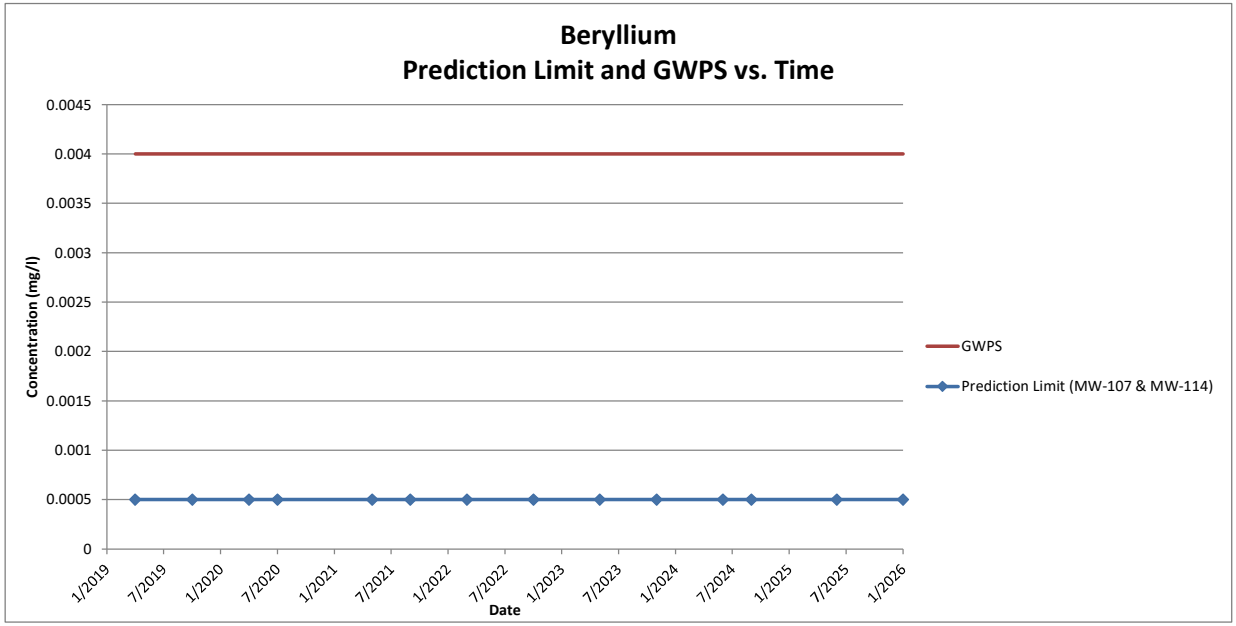
Path: C:\Users\bmadson\OneDrive - SCS Engineers\Desktop\GIS\Maps\IOWA\Working\SCOTT\2023 AWOR\SCOTT-2023-AWOR.aprx
User: bmadson
Date Saved: 4/27/2026 2:33 PM

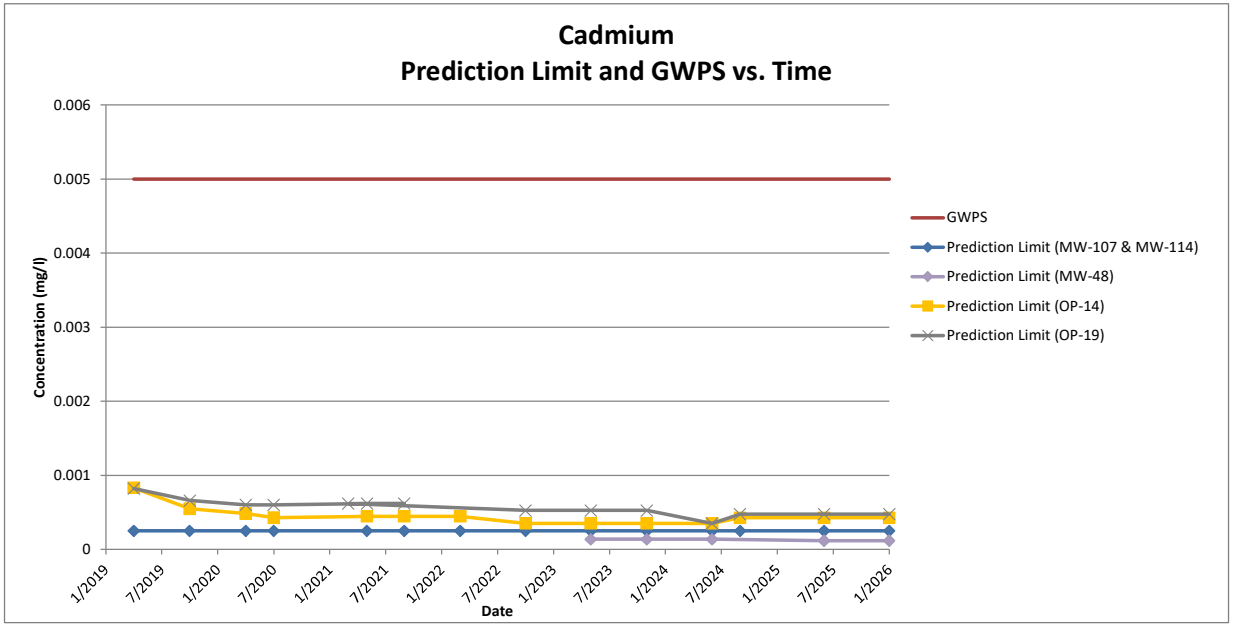
Appendix G
Standards History Graphs

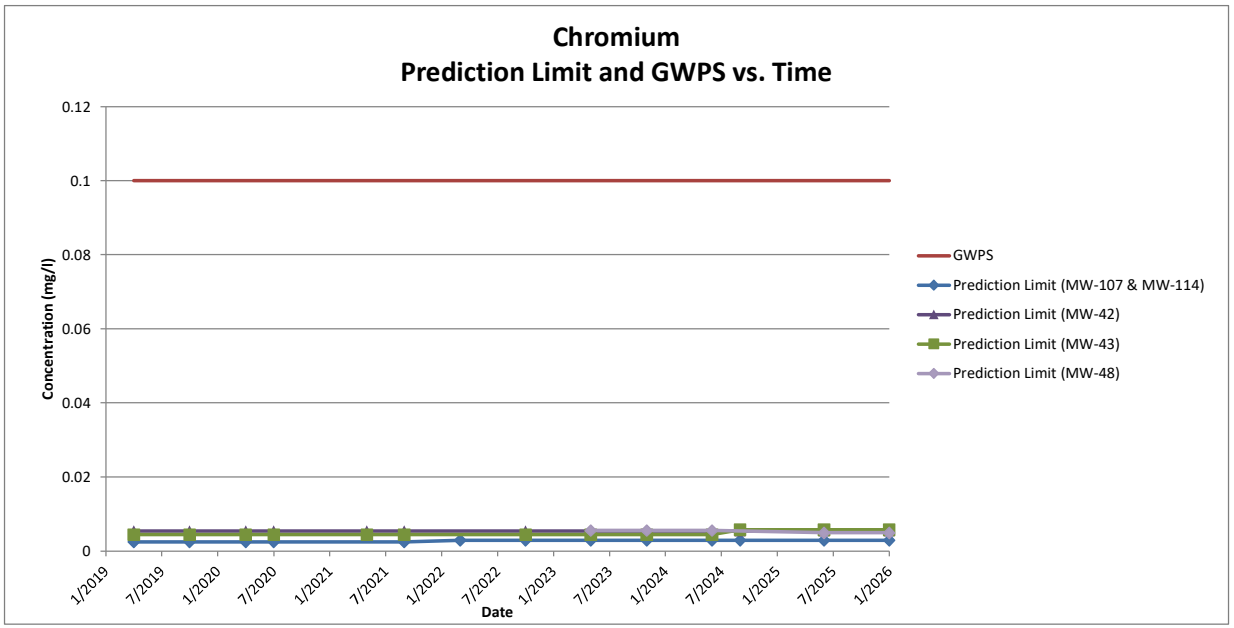

Antimony
Prediction Limit and GWPS vs. Time
Concentration (mg/l)
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
1/2019
7/2019
1/2020
7/2020
1/2021
7/2021
1/2022
7/2022
1/2023
7/2023
1/2024
7/2024
1/2025
7/2025
1/2026
Date
GWPS
Prediction Limit (MW-107 & MW-114)
Prediction Limit (MW-41)
Prediction Limit (MW-48)

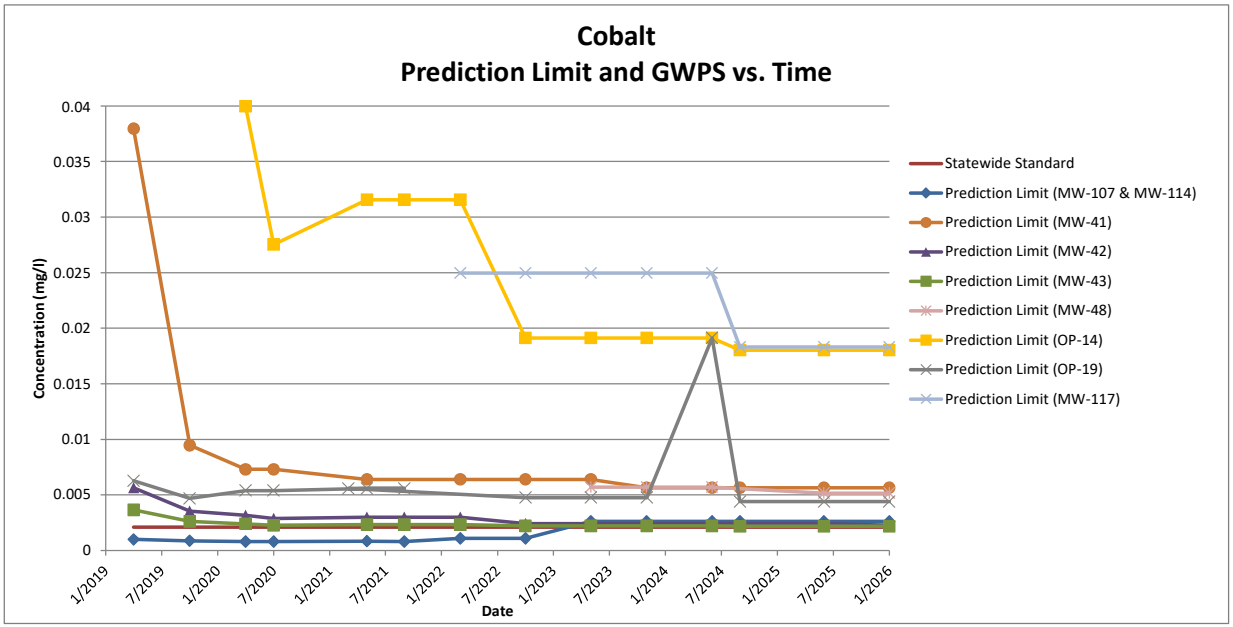

Arsenic
Prediction Limit and GWPS vs. Time
Concentration (mg/l)
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
1/2019
7/2019
1/2020
7/2020
1/2021
7/2021
1/2022
7/2022
1/2023
7/2023
1/2024
7/2024
1/2025
7/2025
1/2026
Date
GWPS
Prediction Limit (MW-107 & MW-114)
Prediction Limit (MW-41)
Prediction Limit (MW-42)
Prediction Limit (MW-43)
Prediction Limit (OP-14)
Prediction Limit (OP-19)
Prediction Limit (MW-117)

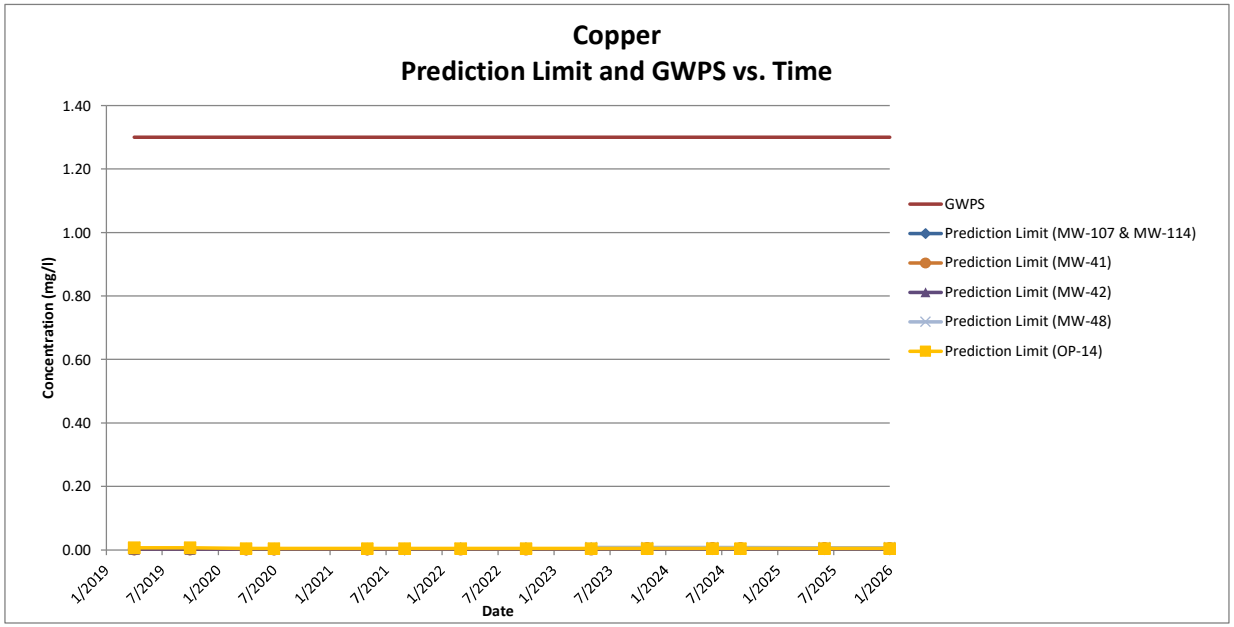

Barium
Prediction Limit and GWPS vs. Time
Concentration (mg/l)
2.5
2
1.5
1
0.5
0
1/2019
7/2019
1/2020
7/2020
1/2021
7/2021
1/2022
7/2022
1/2023
7/2023
1/2024
7/2024
1/2025
7/2025
1/2026
Date
GWPS
Prediction Limit (MW-107 & MW-114)
Prediction Limit (MW-41)
Prediction Limit (MW-42)
Prediction Limit (MW-43)
Prediction Limit (MW-48)
Prediction Limit (OP-14)
Prediction Limit (OP-19)
Prediction Limit (MW-117)

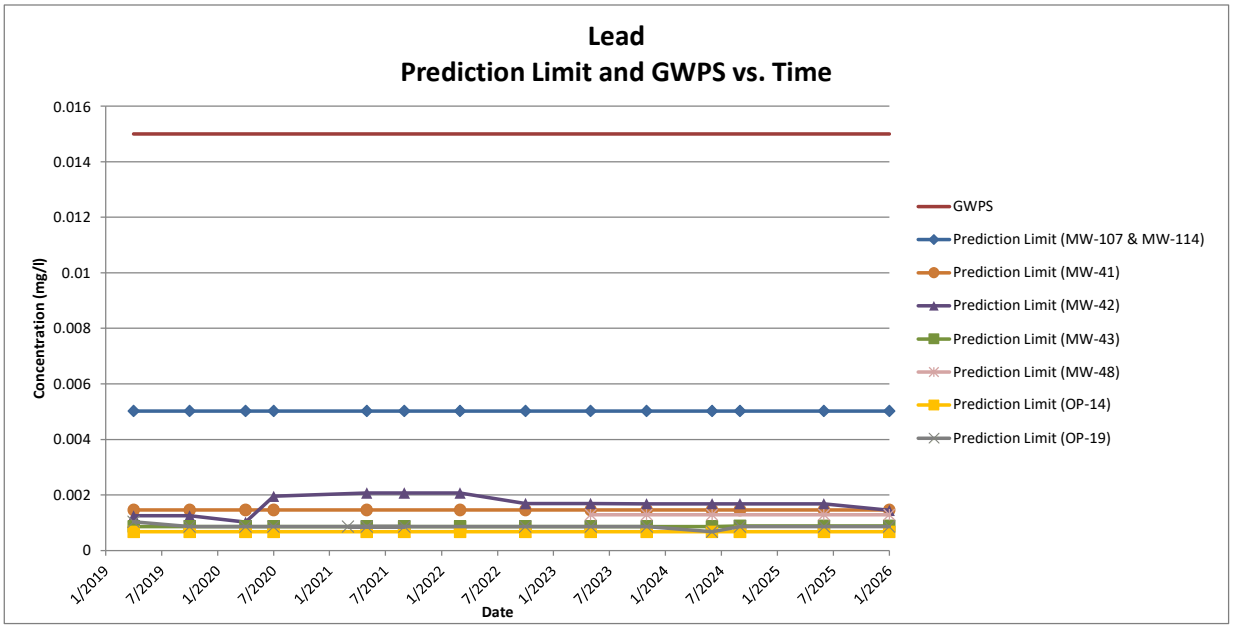

Beryllium
Prediction Limit and GWPS vs. Time
Concentration (mg/l)
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
1/2019
7/2019
1/2020
7/2020
1/2021
7/2021
1/2022
7/2022
1/2023
7/2023
1/2024
7/2024
1/2025
7/2025
1/2026
Date
GWPS
Prediction Limit (MW-107 & MW-114)

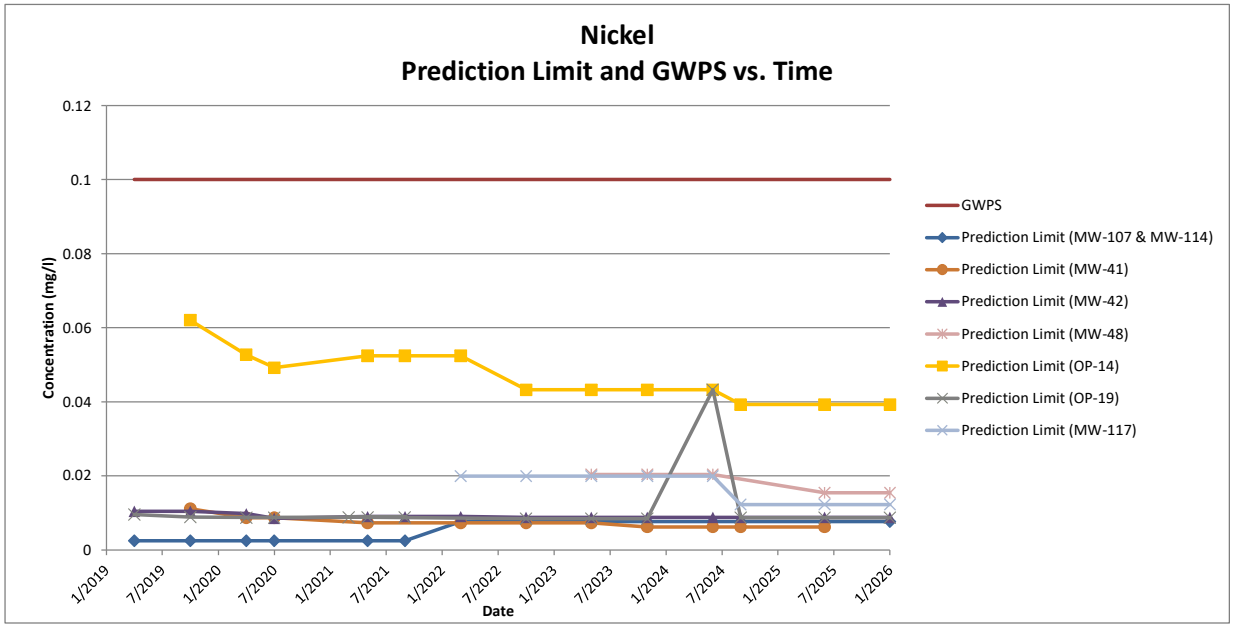

Cadmium
Prediction Limit and GWPS vs. Time
0.006
0.005
0.004
0.003
0.002
0.001
0
Concentration (mg/l)
1/2019
7/2019
1/2020
7/2020
1/2021
7/2021
1/2022
7/2022
1/2023
7/2023
1/2024
7/2024
1/2025
7/2025
1/2026
Date
GWPS
Prediction Limit (MW-107 & MW-114)
Prediction Limit (MW-48)
Prediction Limit (OP-14)
Prediction Limit (OP-19)

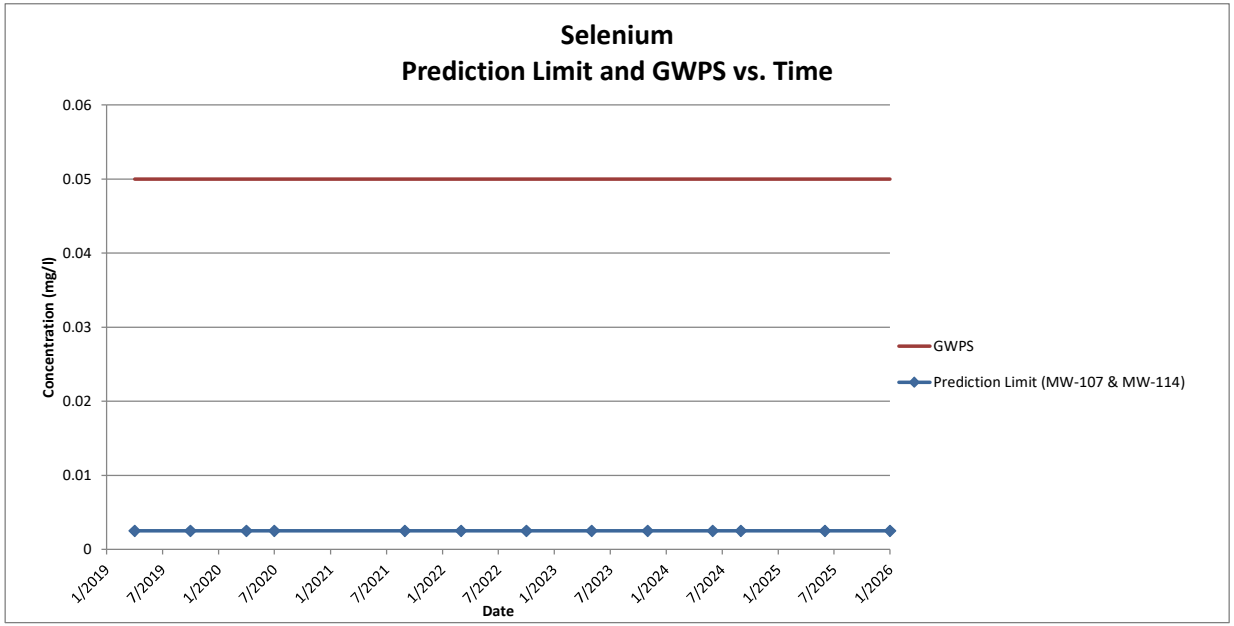

Chromium
Prediction Limit and GWPS vs. Time
0.12
0.1
0.08
0.06
0.04
0.02
0
Concentration (mg/l)
1/2019
7/2019
1/2020
7/2020
1/2021
7/2021
1/2022
7/2022
1/2023
7/2023
1/2024
7/2024
1/2025
7/2025
1/2026
Date
GWPS
Prediction Limit (MW-107 & MW-114)
Prediction Limit (MW-42)
Prediction Limit (MW-43)
Prediction Limit (MW-48)

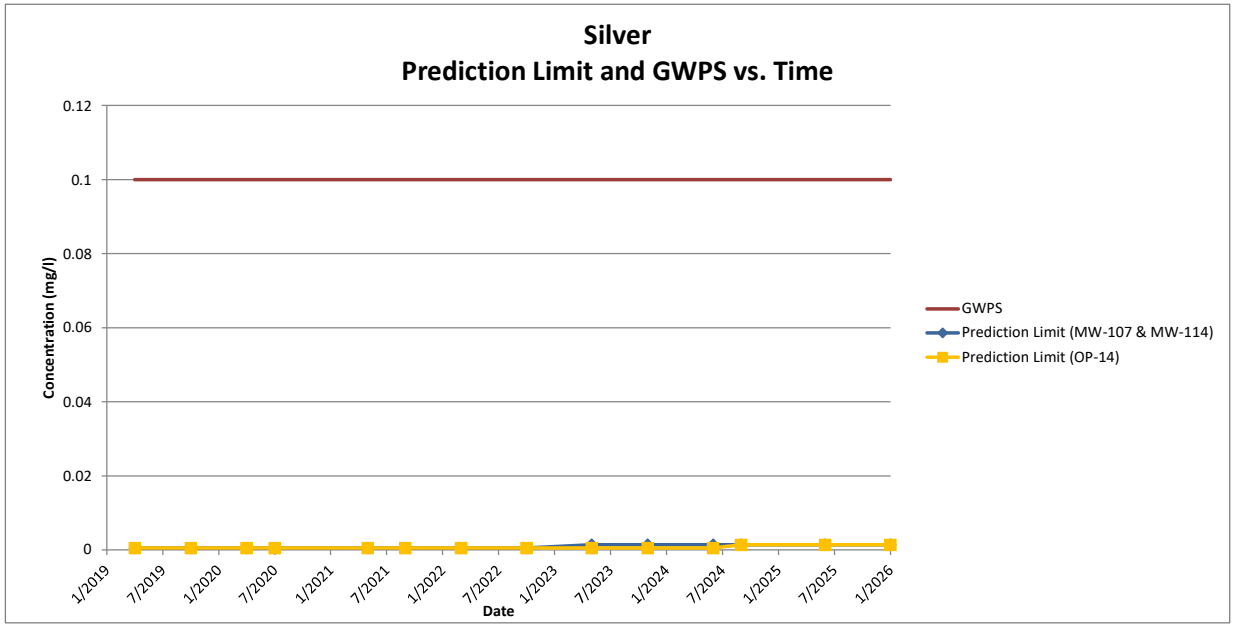

Cobalt
Prediction Limit and GWPS vs. Time
Concentration (mg/l)
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
1/2019
7/2019
1/2020
7/2020
1/2021
7/2021
1/2022
7/2022
1/2023
7/2023
1/2024
7/2024
1/2025
7/2025
1/2026
Date
Statewide Standard
Prediction Limit (MW-107 & MW-114)
Prediction Limit (MW-41)
Prediction Limit (MW-42)
Prediction Limit (MW-43)
Prediction Limit (MW-48)
Prediction Limit (OP-14)
Prediction Limit (OP-19)
Prediction Limit (MW-117)

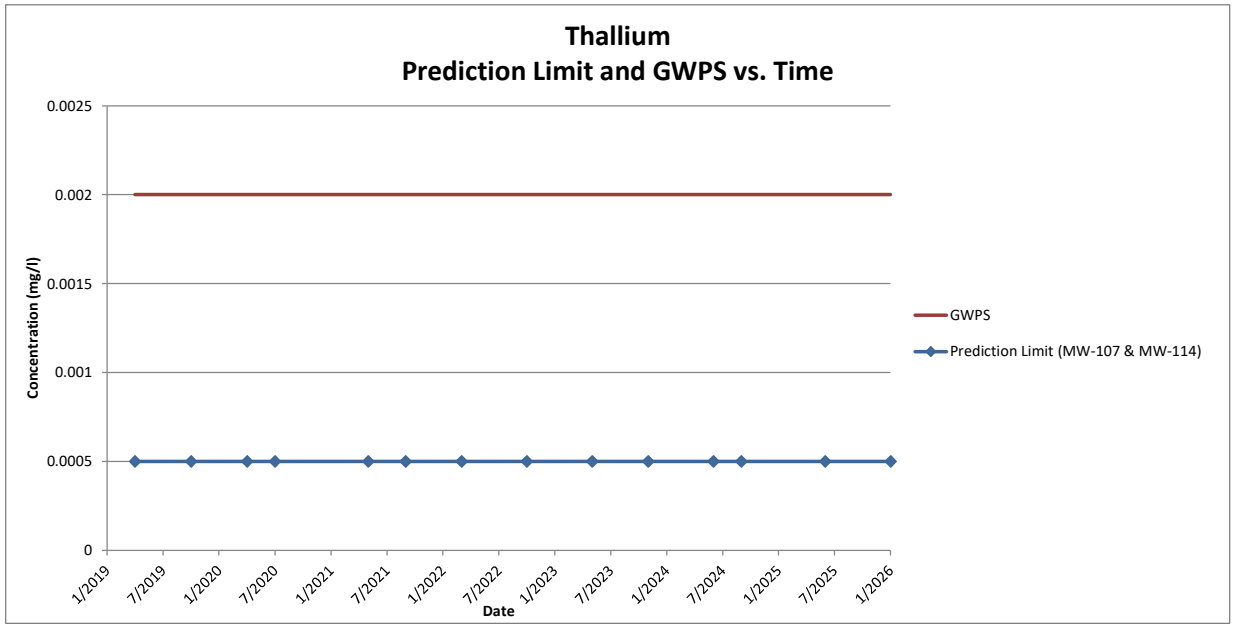

Copper
Prediction Limit and GWPS vs. Time
Concentration (mg/l)
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
1/2019
7/2019
1/2020
7/2020
1/2021
7/2021
1/2022
7/2022
1/2023
7/2023
1/2024
7/2024
1/2025
7/2025
1/2026
Date
GWPS
Prediction Limit (MW-107 & MW-114)
Prediction Limit (MW-41)
Prediction Limit (MW-42)
Prediction Limit (MW-48)
Prediction Limit (OP-14)

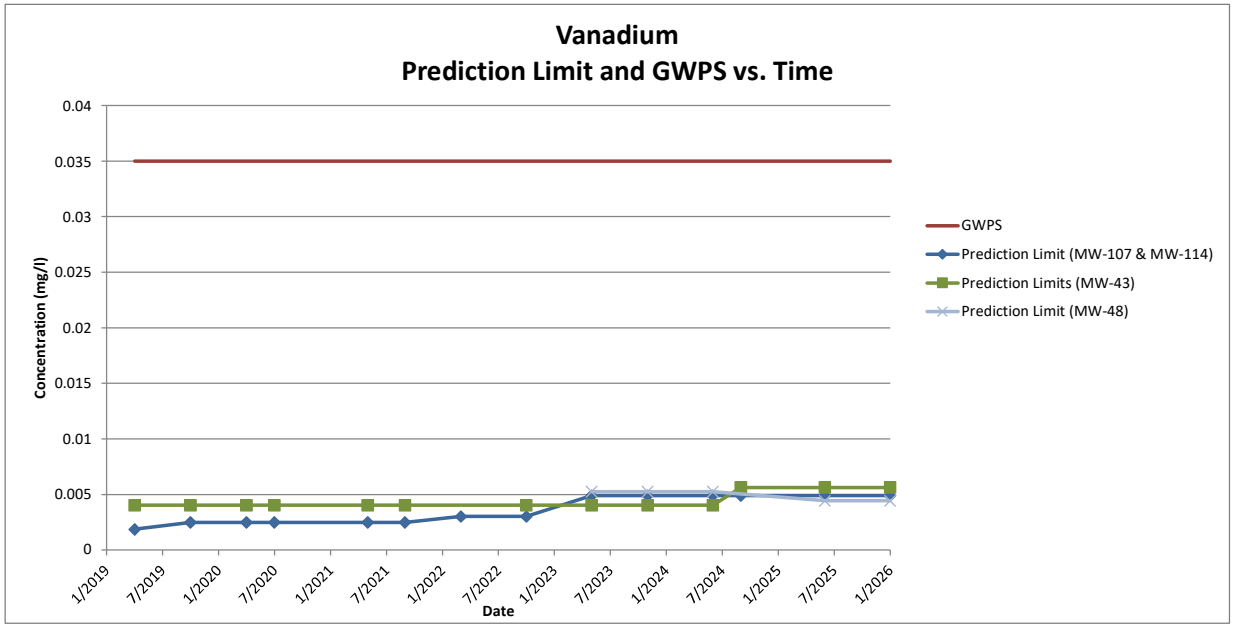

Lead
Prediction Limit and GWPS vs. Time
Concentration (mg/l)
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
1/2019
7/2019
1/2020
7/2020
1/2021
7/2021
1/2022
7/2022
1/2023
7/2023
1/2024
7/2024
1/2025
7/2025
1/2026
Date
GWPS
Prediction Limit (MW-107 & MW-114)
Prediction Limit (MW-41)
Prediction Limit (MW-42)
Prediction Limit (MW-43)
Prediction Limit (MW-48)
Prediction Limit (OP-14)
Prediction Limit (OP-19)

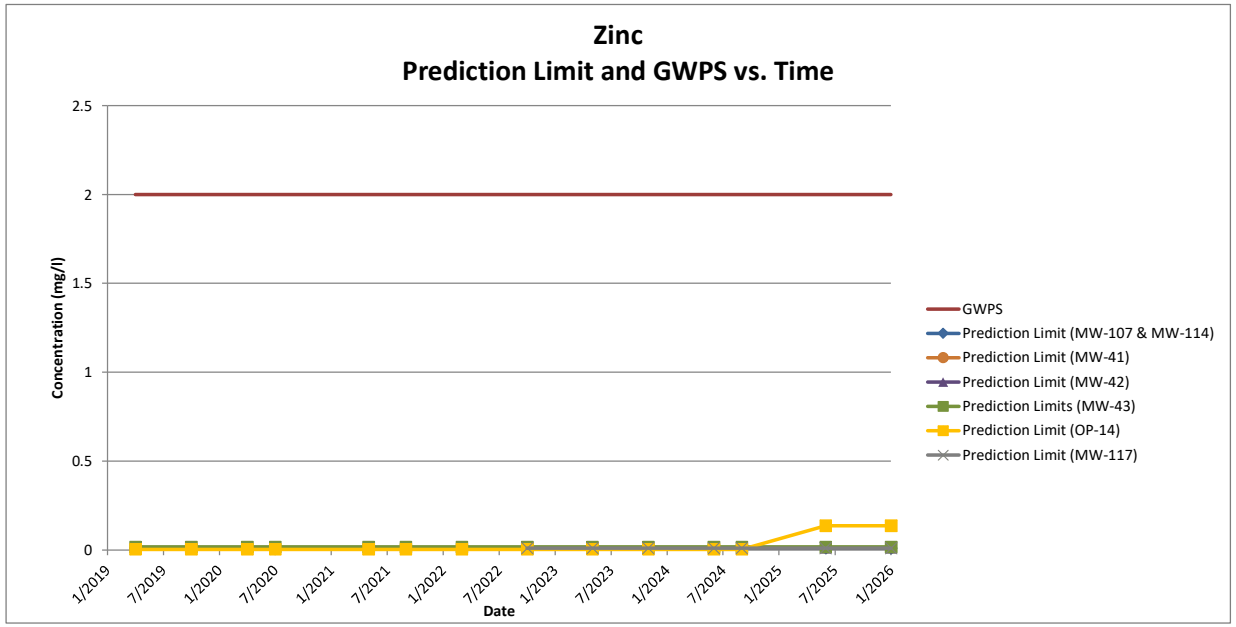

Nickel
Prediction Limit and GWPS vs. Time
Concentration (mg/l)
0.12
0.1
0.08
0.06
0.04
0.02
0
1/2019
7/2019
1/2020
7/2020
1/2021
7/2021
1/2022
7/2022
1/2023
7/2023
1/2024
7/2024
1/2025
7/2025
1/2026
Date
GWPS
Prediction Limit (MW-107 & MW-114)
Prediction Limit (MW-41)
Prediction Limit (MW-42)
Prediction Limit (MW-48)
Prediction Limit (OP-14)
Prediction Limit (OP-19)
Prediction Limit (MW-117)


Selenium
Prediction Limit and GWPS vs. Time
0.06
0.05
0.04
0.03
0.02
0.01
0
Concentration (mg/l)
1/2019
7/2019
1/2020
7/2020
1/2021
7/2021
1/2022
7/2022
1/2023
7/2023
1/2024
7/2024
1/2025
7/2025
1/2026
Date
GWPS
Prediction Limit (MW-107 & MW-114)


Silver
Prediction Limit and GWPS vs. Time
0.12
0.1
0.08
0.06
0.04
0.02
0
Concentration (mg/l)
1/2019
7/2019
1/2020
7/2020
1/2021
7/2021
1/2022
7/2022
1/2023
7/2023
1/2024
7/2024
1/2025
7/2025
1/2026
Date
GWPS
Prediction Limit (MW-107 & MW-114)
Prediction Limit (OP-14)


Thallium
Prediction Limit and GWPS vs. Time
Concentration (mg/l)
0.0025
0.002
0.0015
0.001
0.0005
0
1/2019
7/2019
1/2020
7/2020
1/2021
7/2021
1/2022
7/2022
1/2023
7/2023
1/2024
7/2024
1/2025
7/2025
1/2026
Date
GWPS
Prediction Limit (MW-107 & MW-114)


Vanadium
Prediction Limit and GWPS vs. Time
Concentration (mg/l)
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
1/2019
7/2019
1/2020
7/2020
1/2021
7/2021
1/2022
7/2022
1/2023
7/2023
1/2024
7/2024
1/2025
7/2025
1/2026
Date
GWPS
Prediction Limit (MW-107 & MW-114)
Prediction Limits (MW-43)
Prediction Limit (MW-48)


Zinc
Prediction Limit and GWPS vs. Time
Concentration (mg/l)
2.5
2
1.5
1
0.5
0
1/2019
7/2019
1/2020
7/2020
1/2021
7/2021
1/2022
7/2022
1/2023
7/2023
1/2024
7/2024
1/2025
7/2025
1/2026
Date
GWPS
Prediction Limit (MW-107 & MW-114)
Prediction Limit (MW-41)
Prediction Limit (MW-42)
Prediction Limits (MW-43)
Prediction Limit (OP-14)
Prediction Limit (MW-117)

Appendix H
Summary of Groundwater Chemistry – MW-118

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Total Metals Constituents	Sample Date	MW-118 DNG
Antimony, mg/L (CAS NO - 7440-36-0)	12/18/2018	< 0.001
	4/15/2019	< 0.001
	10/2/2019	< 0.001
	4/29/2020	0.000645*
	7/21/2020	0.000553*
	5/20/2021	< 0.002
	9/22/2021	< 0.002
	3/21/2022	< 0.002
	5/16/2023	< 0.002
	6/4/2024	< 0.002
	9/24/2024	< 0.002
	6/4/2025	< 0.002
	1/13/2026	< 0.002
Arsenic, mg/L (CAS NO - 7440-38-2)	12/18/2018	0.000833*
	4/15/2019	**0.0137**
	10/2/2019	**0.0191**
	4/29/2020	**0.0245**
	7/21/2020	**0.0233**
	5/20/2021	**0.022**
	9/22/2021	**0.0229**
	3/21/2022	**0.0198**
	5/16/2023	**0.0242**
	6/4/2024	**0.0199**
	9/24/2024	**0.0131**
	6/4/2025	**0.0126**
	1/13/2026	**0.0166**
Barium, mg/L (CAS NO - 7440-39-3)	12/18/2018	**0.331**
	4/15/2019	**0.0328**
	10/2/2019	**0.0387**
	4/29/2020	**0.0466**
	7/21/2020	**0.0401**
	5/20/2021	**0.0362**
	9/22/2021	**0.0385**
	3/21/2022	**0.031**
	5/16/2023	**0.041**
	6/4/2024	**0.0557**
	9/24/2024	**0.202**
	6/4/2025	**0.162**
	1/13/2026	**0.13**
Beryllium, mg/L (CAS NO - 7440-41-7)	12/18/2018	< 0.001
	4/15/2019	< 0.001
	10/2/2019	< 0.001
	4/29/2020	< 0.001
	7/21/2020	< 0.001
	5/20/2021	< 0.001
	9/22/2021	< 0.001
	3/21/2022	< 0.001
	5/16/2023	< 0.001
	6/4/2024	< 0.001
	9/24/2024	< 0.001
	6/4/2025	< 0.001
	1/13/2026	< 0.001

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Total Metals Constituents	Sample Date	MW-118 DNG	
Cadmium, mg/L (CAS NO - 7440-43-9)	12/18/2018	< 0.0005	
	4/15/2019	< 0.0005	
	10/2/2019	< 0.0001	
	4/29/2020	0.000068*	
	7/21/2020	< 0.0001	
	5/20/2021	< 0.0001	
	9/22/2021	< 0.0001	
	3/21/2022	< 0.0001	
	5/16/2023	< 0.0002	
	6/4/2024	< 0.0002	
	9/24/2024	< 0.0002	
	6/4/2025	< 0.0002	
	1/13/2026	< 0.0002	
Chromium, mg/L (CAS NO - 7440-47-3)	12/18/2018	< 0.005	
	4/15/2019	< 0.005	
	10/2/2019	< 0.005	
	4/29/2020	< 0.005	
	7/21/2020	< 0.005	
	5/20/2021	< 0.005	
	9/22/2021	< 0.005	
	3/21/2022	< 0.005	
	5/16/2023	< 0.005	
	6/4/2024	< 0.005	
	9/24/2024	< 0.005	
	6/4/2025	< 0.005	
	1/13/2026	0.0046*	
Cobalt, mg/L (CAS NO - 7440-48-4)	12/18/2018	**0.0014**	
	4/15/2019	**0.000712**	
	10/2/2019	**0.000658**	
	4/29/2020	**0.0012**	
	7/21/2020	**0.00108**	
	5/20/2021	**0.000865**	
	9/22/2021	**0.000975**	
	3/21/2022	**0.000834**	
	5/16/2023	**0.000976**	
	6/4/2024	**0.000975**	
	9/24/2024	**0.000798**	
	6/4/2025	**0.00212**	
	1/13/2026	**0.00149**	
Copper, mg/L (CAS NO - 7440-50-8)	12/18/2018	< 0.005	x
	4/15/2019	< 0.005	
	10/2/2019	< 0.005	
	4/29/2020	< 0.005	
	7/21/2020	< 0.005	
	5/20/2021	< 0.005	
	9/22/2021	< 0.005	
	3/21/2022	< 0.005	
	5/16/2023	< 0.005	
	6/4/2024	< 0.005	
	9/24/2024	< 0.005	
	6/4/2025	< 0.005	
	1/13/2026	< 0.005	

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Total Metals Constituents	Sample Date	MW-118 DNG
Lead, mg/L (CAS NO - 7439-92-1)	12/18/2018	< 0.0005
	4/15/2019	0.000272*
	10/2/2019	0.00041*
	4/29/2020	**0.000569**
	7/21/2020	**0.000789**
	5/20/2021	0.000217*
	9/22/2021	0.000411*
	3/21/2022	< 0.0005
	5/16/2023	0.000308*
	6/4/2024	< 0.0005
	9/24/2024	< 0.0005
	6/4/2025	0.000378*
	1/13/2026	**0.000878**
Nickel, mg/L (CAS NO - 7440-02-0)	12/18/2018	0.00452*
	4/15/2019	**0.00837**
	10/2/2019	**0.012**
	4/29/2020	**0.0155**
	7/21/2020	**0.0166**
	5/20/2021	**0.015**
	9/22/2021	**0.0151**
	3/21/2022	**0.0153**
	5/16/2023	**0.0163**
	6/4/2024	**0.0104**
	9/24/2024	**0.00779**
	6/4/2025	**0.0102**
	1/13/2026	**0.0174**
Selenium, mg/L (CAS NO - 7782-49-2)	12/18/2018	< 0.005
	4/15/2019	0.00134*
	10/2/2019	< 0.005
	4/29/2020	0.00135*
	7/21/2020	0.00153*
	5/20/2021	0.00213*
	9/22/2021	0.00137*
	3/21/2022	0.00152*
	5/16/2023	0.00188*
	6/4/2024	< 0.005
	9/24/2024	< 0.005
	6/4/2025	< 0.005
	1/13/2026	< 0.005
Silver, mg/L (CAS NO - 7440-22-4)	12/18/2018	< 0.001
	4/15/2019	< 0.001
	10/2/2019	< 0.001
	4/29/2020	< 0.001
	7/21/2020	< 0.001
	5/20/2021	< 0.001
	9/22/2021	< 0.001
	3/21/2022	< 0.001
	5/16/2023	< 0.001
	6/4/2024	< 0.001
	9/24/2024	< 0.001
	6/4/2025	< 0.001
	1/13/2026	< 0.001

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Total Metals Constituents	Sample Date	MW-118 DNG
Thallium, mg/L (CAS NO - 7440-28-0)	12/18/2018	< 0.001
	4/15/2019	< 0.001
	10/2/2019	< 0.001
	4/29/2020	< 0.001
	7/21/2020	< 0.001
	5/20/2021	< 0.001
	9/22/2021	< 0.001
	3/21/2022	< 0.001
	5/16/2023	< 0.001
	6/4/2024	< 0.001
	9/24/2024	< 0.001
	6/4/2025	< 0.001
	1/13/2026	< 0.001
Vanadium, mg/L (CAS NO - 7440-62-2)	12/18/2018	< 0.005
	4/15/2019	0.00364*
	10/2/2019	0.00486*
	4/29/2020	**0.00631**
	7/21/2020	**0.00633**
	5/20/2021	**0.00569**
	9/22/2021	**0.00615**
	3/21/2022	**0.00544**
	5/16/2023	**0.00741**
	6/4/2024	**0.00502**
	9/24/2024	0.00314*
	6/4/2025	**0.00558**
	1/13/2026	**0.00749**
Zinc, mg/L (CAS NO - 7440-66-6)	12/18/2018	< 0.02
	4/15/2019	< 0.02
	10/2/2019	< 0.02
	4/29/2020	< 0.02
	7/21/2020	< 0.02
	5/20/2021	< 0.02
	9/22/2021	< 0.02
	3/21/2022	< 0.02
	5/16/2023	0.00692*
	6/4/2024	< 0.02
	9/24/2024	< 0.02
	6/4/2025	< 0.02
	1/13/2026	0.0136*

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Total Metals Constituents	Sample Date	MW-118 DNG
Total Suspended Solids, mg/L (CAS NO - TSS)	12/18/2018	**8.87**
	4/15/2019	**8.2**
	10/2/2019	**7.67**
	4/29/2020	**34**
	7/21/2020	**32.7**
	5/20/2021	**15**
	9/22/2021	**19.6**
	3/21/2022	**21**
	10/10/2022	< 55.6
	5/16/2023	**24**
	6/4/2024	**8.75**
	9/24/2024	**4.13**
	6/4/2025	**84**
	1/13/2026	**92**

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

Scott Area Landfill - 82-SDP-09-92P - MW-118

Appendix I VOC Constituents	Sample Date	MW-118 DNG
1,1,1,2-Tetrachloroethane, ug/L (CAS NO - 630-20-6)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
1,1,1-Trichloroethane, ug/L (CAS NO - 71-55-6)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
1,1,2,2-Tetrachloroethane, ug/L (CAS NO - 79-34-5)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
1,1,2-Trichloroethane, ug/L (CAS NO - 79-00-5)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Appendix I VOC Constituents	Sample Date	MW-118 DNG
1,1-Dichloroethane, ug/L (CAS NO - 75-34-3)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
1,1-Dichloroethene, ug/L (CAS NO - 75-35-4)	4/15/2019	< 2
	7/16/2019	< 20
	10/2/2019	< 20
	4/29/2020	< 2
	7/21/2020	< 2
	5/20/2021	< 2
	9/22/2021	< 2
	3/21/2022	< 2
	10/10/2022	< 2
	5/16/2023	< 2
	6/4/2024	< 2
	9/24/2024	< 2
	6/4/2025	< 2
	1/13/2026	< 2
1,2,3-Trichloropropane, ug/L (CAS NO - 96-18-4)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
1,2-Dibromo-3-Chloropropane, ug/L (CAS NO - 96-12-8)	4/15/2019	< 1.2
	7/16/2019	< 12
	10/2/2019	< 12
	4/29/2020	< 5
	7/21/2020	< 5
	5/20/2021	< 5
	9/22/2021	< 5
	3/21/2022	< 5
	10/10/2022	< 5
	5/16/2023	< 5
	6/4/2024	< 5
	9/24/2024	< 5
	6/4/2025	< 5
	1/13/2026	< 5

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Appendix I VOC Constituents	Sample Date	MW-118 DNG
1,2-Dibromoethane [EDB], ug/L (CAS NO - 106-93-4)	4/15/2019	< 0.34
	7/16/2019	< 3.4
	10/2/2019	< 3.4
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
1,2-Dichlorobenzene, ug/L (CAS NO - 95-50-1)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
1,2-Dichloroethane, ug/L (CAS NO - 107-06-2)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
1,2-Dichloropropane, ug/L (CAS NO - 78-87-5)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Appendix I VOC Constituents	Sample Date	MW-118 DNG
1,4-Dichlorobenzene, ug/L (CAS NO - 106-46-7)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
2-Butanone, ug/L (CAS NO - 78-93-3)	4/15/2019	**12**
	7/16/2019	30.4*
	10/2/2019	31.4*
	4/29/2020	**14.4**
	7/21/2020	**24.8**
	5/20/2021	**16.3**
	9/22/2021	**16.4**
	3/21/2022	5.64*
	10/10/2022	< 10
	5/16/2023	< 10
	6/4/2024	< 10
	9/24/2024	< 10
	6/4/2025	< 10
	1/13/2026	< 10
2-Hexanone, ug/L (CAS NO - 591-78-6)	4/15/2019	< 10
	7/16/2019	< 100
	10/2/2019	< 100
	4/29/2020	< 10
	7/21/2020	< 10
	5/20/2021	< 10
	9/22/2021	< 10
	3/21/2022	< 10
	10/10/2022	< 10
	5/16/2023	< 10
	6/4/2024	< 10
	9/24/2024	< 10
	6/4/2025	< 10
	1/13/2026	< 10
4-Methyl-2-Pentanone, ug/L (CAS NO - 108-10-1)	4/15/2019	< 10
	7/16/2019	< 100
	10/2/2019	< 100
	4/29/2020	< 10
	7/21/2020	< 10
	5/20/2021	< 10
	9/22/2021	< 10
	3/21/2022	< 10
	10/10/2022	< 10
	5/16/2023	< 10
	6/4/2024	< 10
	9/24/2024	< 10
	6/4/2025	< 10
	1/13/2026	< 10

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Appendix I VOC Constituents	Sample Date	MW-118 DNG
Acetone, ug/L (CAS NO - 67-64-1)	4/15/2019	**77.8**
	7/16/2019	< 100
	10/2/2019	**172**
	4/29/2020	**83.1**
	7/21/2020	**147**
	5/20/2021	**93.9**
	9/22/2021	**79**
	3/21/2022	**24.8**
	10/10/2022	**10.2**
	5/16/2023	**36.9**
	6/4/2024	**19.8**
	9/24/2024	9.27*
	6/4/2025	**16.1**
	1/13/2026	**62.7**
Acrylonitrile, ug/L (CAS NO - 107-13-1)	4/15/2019	< 10
	7/16/2019	< 100
	10/2/2019	< 100
	4/29/2020	< 5
	7/21/2020	< 5
	5/20/2021	< 5
	9/22/2021	< 5
	3/21/2022	< 5
	10/10/2022	3.18*
	5/16/2023	< 5
	6/4/2024	< 5
	9/24/2024	< 5
	6/4/2025	< 5
	1/13/2026	< 5
Benzene, ug/L (CAS NO - 71-43-2)	4/15/2019	**0.927**
	7/16/2019	< 5
	10/2/2019	< 5
	4/29/2020	**1.49**
	7/21/2020	**1.67**
	5/20/2021	**1.8**
	9/22/2021	**2.18**
	3/21/2022	**2.34**
	10/10/2022	**1.62**
	5/16/2023	**2**
	6/4/2024	**2.16**
	9/24/2024	**1.7**
	6/4/2025	**1.12**
	1/13/2026	**2.24**
Bromochloromethane, ug/L (CAS NO - 74-97-5)	4/15/2019	< 5
	7/16/2019	< 50
	10/2/2019	< 50
	4/29/2020	< 5
	7/21/2020	< 5
	5/20/2021	< 5
	9/22/2021	< 5
	3/21/2022	< 5
	10/10/2022	< 5
	5/16/2023	< 5
	6/4/2024	< 5
	9/24/2024	< 5
	6/4/2025	< 5
	1/13/2026	< 5

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Appendix I VOC Constituents	Sample Date	MW-118 DNG
Bromodichloromethane, ug/L (CAS NO - 75-27-4)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
Bromoform, ug/L (CAS NO - 75-25-2)	4/15/2019	< 5
	7/16/2019	< 50
	10/2/2019	< 50
	4/29/2020	< 5
	7/21/2020	< 5
	5/20/2021	< 5
	9/22/2021	< 5
	3/21/2022	< 5
	10/10/2022	< 5
	5/16/2023	< 5
	6/4/2024	< 5
	9/24/2024	< 5
	6/4/2025	< 5
	1/13/2026	< 5
Bromomethane, ug/L (CAS NO - 74-83-9)	4/15/2019	< 4
	7/16/2019	< 40
	10/2/2019	< 40
	4/29/2020	< 4
	7/21/2020	< 4
	5/20/2021	< 4
	9/22/2021	< 4
	3/21/2022	< 4
	10/10/2022	< 4
	5/16/2023	< 4
	6/4/2024	< 4
	9/24/2024	< 4
	6/4/2025	< 4
	1/13/2026	< 4
Carbon Disulfide, ug/L (CAS NO - 75-15-0)	4/15/2019	**3.73**
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	**1.25**
	7/21/2020	**1.63**
	5/20/2021	**1.68**
	9/22/2021	**1.14**
	3/21/2022	**2.58**
	10/10/2022	**1.39**
	5/16/2023	0.996*
	6/4/2024	< 1
	9/24/2024	**1.47**
	6/4/2025	< 1
	1/13/2026	< 1

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Appendix I VOC Constituents	Sample Date	MW-118 DNG
Carbon Tetrachloride, ug/L (CAS NO - 56-23-5)	4/15/2019	< 2
	7/16/2019	< 20
	10/2/2019	< 20
	4/29/2020	< 2
	7/21/2020	< 2
	5/20/2021	< 2
	9/22/2021	< 2
	3/21/2022	< 2
	10/10/2022	< 2
	5/16/2023	< 2
	6/4/2024	< 2
	9/24/2024	< 2
	6/4/2025	< 2
	1/13/2026	< 2
Chlorobenzene, ug/L (CAS NO - 108-90-7)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
Chlorodibromomethane, ug/L (CAS NO - 124-48-1)	4/15/2019	< 5
	7/16/2019	< 50
	10/2/2019	< 50
	4/29/2020	< 5
	7/21/2020	< 5
	5/20/2021	< 5
	9/22/2021	< 5
	3/21/2022	< 5
	10/10/2022	< 5
	5/16/2023	< 5
	6/4/2024	< 5
	9/24/2024	< 5
	6/4/2025	< 5
	1/13/2026	< 5
Chloroethane, ug/L (CAS NO - 75-00-3)	4/15/2019	< 4
	7/16/2019	< 40
	10/2/2019	< 40
	4/29/2020	< 4
	7/21/2020	< 4
	5/20/2021	< 4
	9/22/2021	< 4
	3/21/2022	< 4
	10/10/2022	< 4
	5/16/2023	< 4
	6/4/2024	< 4
	9/24/2024	< 4
	6/4/2025	< 4
	1/13/2026	< 4

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Appendix I VOC Constituents	Sample Date	MW-118 DNG
Chloroform, ug/L (CAS NO - 67-66-3)	4/15/2019	< 3
	7/16/2019	< 30
	10/2/2019	< 30
	4/29/2020	< 3
	7/21/2020	< 3
	5/20/2021	< 3
	9/22/2021	< 3
	3/21/2022	< 3
	10/10/2022	< 3
	5/16/2023	< 3
	6/4/2024	< 3
	9/24/2024	< 3
	6/4/2025	< 3
	1/13/2026	< 3
Chloromethane, ug/L (CAS NO - 74-87-3)	4/15/2019	< 3
	7/16/2019	< 30
	10/2/2019	< 30
	4/29/2020	< 3
	7/21/2020	< 3
	5/20/2021	< 3
	9/22/2021	< 3
	3/21/2022	< 3
	10/10/2022	< 3
	5/16/2023	< 3
	6/4/2024	< 3
	9/24/2024	< 3
	6/4/2025	< 3
	1/13/2026	< 3
cis-1,2-Dichloroethene, ug/L (CAS NO - 156-59-2)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
cis-1,3-Dichloropropene, ug/L (CAS NO - 10061-01-5)	4/15/2019	< 5
	7/16/2019	< 50
	10/2/2019	< 50
	4/29/2020	< 5
	7/21/2020	< 5
	5/20/2021	< 5
	9/22/2021	< 5
	3/21/2022	< 5
	10/10/2022	< 5
	5/16/2023	< 5
	6/4/2024	< 5
	9/24/2024	< 5
	6/4/2025	< 5
	1/13/2026	< 5

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Appendix I VOC Constituents	Sample Date	MW-118 DNG
Ethylbenzene, ug/L (CAS NO - 100-41-4)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	0.351*
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
Iodomethane, ug/L (CAS NO - 74-88-4)	4/15/2019	< 10
	7/16/2019	< 100
	10/2/2019	< 100
	4/29/2020	< 10
	7/21/2020	< 10
	5/20/2021	< 10
	9/22/2021	< 10
	3/21/2022	< 10
	10/10/2022	< 10
	5/16/2023	< 10
	6/4/2024	< 10
	9/24/2024	< 10
	6/4/2025	< 10
	1/13/2026	< 10
Methylene Bromide, ug/L (CAS NO - 74-95-3)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
Methylene Chloride, ug/L (CAS NO - 75-09-2)	4/15/2019	< 5
	7/16/2019	< 50
	10/2/2019	< 50
	4/29/2020	< 5
	7/21/2020	< 5
	5/20/2021	< 5
	9/22/2021	< 5
	3/21/2022	< 5
	10/10/2022	< 5
	5/16/2023	< 5
	6/4/2024	< 5
	9/24/2024	< 5
	6/4/2025	< 5
	1/13/2026	< 5

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Appendix I VOC Constituents	Sample Date	MW-118 DNG
Styrene, ug/L (CAS NO - 100-42-5)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	0.428*
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
Tetrachloroethene, ug/L (CAS NO - 127-18-4)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
Toluene, ug/L (CAS NO - 108-88-3)	4/15/2019	**5.64**
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	**1.52**
	7/21/2020	**1.59**
	5/20/2021	**1.17**
	9/22/2021	**1.16**
	3/21/2022	**1.23**
	10/10/2022	0.641*
	5/16/2023	0.679*
	6/4/2024	0.441*
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	0.514*
trans-1,2-Dichloroethene, ug/L (CAS NO - 156-60-5)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Appendix I VOC Constituents	Sample Date	MW-118 DNG
trans-1,3-Dichloropropene, ug/L (CAS NO - 10061-02-6)	4/15/2019	< 5
	7/16/2019	< 50
	10/2/2019	< 50
	4/29/2020	< 5
	7/21/2020	< 5
	5/20/2021	< 5
	9/22/2021	< 5
	3/21/2022	< 5
	10/10/2022	< 5
	5/16/2023	< 5
	6/4/2024	< 5
	9/24/2024	< 5
	6/4/2025	< 5
	1/13/2026	< 5
trans-1,4-Dichloro-2-Butene, ug/L (CAS NO - 110-57-6)	4/15/2019	< 10
	7/16/2019	< 100
	10/2/2019	< 100
	4/29/2020	< 10
	7/21/2020	< 10
	5/20/2021	< 10
	9/22/2021	< 10
	3/21/2022	< 10
	10/10/2022	< 10
	5/16/2023	< 10
	6/4/2024	< 10
	9/24/2024	< 10
	6/4/2025	< 10
	1/13/2026	< 10
Trichloroethene, ug/L (CAS NO - 79-01-6)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
Trichlorofluoromethane, ug/L (CAS NO - 75-69-4)	4/15/2019	< 4
	7/16/2019	< 40
	10/2/2019	< 40
	4/29/2020	< 4
	7/21/2020	< 4
	5/20/2021	< 4
	9/22/2021	< 4
	3/21/2022	< 4
	10/10/2022	< 4
	5/16/2023	< 4
	6/4/2024	< 4
	9/24/2024	< 4
	6/4/2025	< 4
	1/13/2026	< 4

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott Area Landfill - 82-SDP-09-92P - MW-118

Appendix I VOC Constituents	Sample Date	MW-118 DNG
Vinyl Acetate, ug/L (CAS NO - 108-05-4)	4/15/2019	< 10
	7/16/2019	< 100
	10/2/2019	< 100
	4/29/2020	< 10
	7/21/2020	< 10
	5/20/2021	< 10
	9/22/2021	< 10
	3/21/2022	< 10
	10/10/2022	< 10
	5/16/2023	< 10
	6/4/2024	< 10
	9/24/2024	< 10
	6/4/2025	< 10
	1/13/2026	< 10
Vinyl Chloride, ug/L (CAS NO - 75-01-4)	4/15/2019	< 1
	7/16/2019	< 10
	10/2/2019	< 10
	4/29/2020	< 1
	7/21/2020	< 1
	5/20/2021	< 1
	9/22/2021	< 1
	3/21/2022	< 1
	10/10/2022	< 1
	5/16/2023	< 1
	6/4/2024	< 1
	9/24/2024	< 1
	6/4/2025	< 1
	1/13/2026	< 1
Xylenes, total, ug/L (CAS NO - 1330-20-7)	4/15/2019	0.708*
	7/16/2019	< 30
	10/2/2019	< 30
	4/29/2020	< 3
	7/21/2020	< 3
	5/20/2021	< 3
	9/22/2021	< 3
	3/21/2022	< 3
	10/10/2022	< 3
	5/16/2023	< 3
	6/4/2024	< 3
	9/24/2024	< 3
	6/4/2025	< 3
	1/13/2026	< 3

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.