

West Des Moines, IA

PROJECT: Scott Co, FY26 Env Comp, IA 27225277.26 DATE: 5/6/2026

SUBJECT: 2026-05-06_Scott County Landfill - 88-SDP-03-77C - 2025 Annual Water Quality Report and 2025 Landfill Gas Annual Report TRANSMITTAL ID: 00004

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 & 2025 Landfill Gas Annual Report for the Scott County 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
1690 All State Court, Suite 100
West Des Moines, IA 50265 USA
319-331-9613 (M)
nohrt@scsengineers.com

Driven by Client Success
www.scsengineers.com

Transmittal

DATE: 5/6/2026
TRANSMITTAL ID: 00004

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	5/6/2026	2026-05-06_Scott County Landfill - 88-SDP-03-77C - 2025 Annual Water Quality Report and 2025 Landfill Gas Annual Report.pdf	

COPIES:

Nathan Ohrt	(SCS Engineers)
Bryce Stalcup	(Waste Commission of Scott County)
Brian Seals	(Waste Commission of Scott County)
Tim Buelow	(SCS Engineers)
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 and 2025 Landfill Gas Annual Report
Scott County Landfill
Permit No. 82-SDP-03-77C

Dear Mike:

SCS Engineers, on behalf of the Waste Commission of Scott County, is submitting the 2025 Annual Water Quality Report and 2025 Landfill Gas Annual Report for the closed Scott County Landfill. The enclosed reports have been prepared in accordance with the requirements of Iowa Administrative Code (IAC) 567-113.2(5)"e," IAC 567-113.10(6), 2002 IAC 567-113.26(15), and the requirements specified in the site's closure permit and applicable amendments.

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 & 2025 Landfill Gas Annual Report

Scott County Landfill
Buffalo, Iowa
Solid Waste Permit No. 82-SDP-03-77C

Prepared for:

Waste Commission of Scott County

SCS ENGINEERS

27225277.26 | May 2026

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

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.....	v
Acronyms/Abbreviations.....	vi
1.0 Site Background	7
1.1 Site Location	7
1.2 Facility	7
1.3 Geology and Hydrogeology of the Site	7
2.0 Figures Discussion.....	8
2.1 Figure 1 – Approved Monitoring Network	8
2.2 Figure 2 – Groundwater Contours.....	8
3.0 Standards History Graphs	8
4.0 QA/QC Summary.....	8
5.0 Data Evaluation	9
6.0 Background Expansion.....	9
7.0 Summary and Recommendations	10
7.1 Site Impact on Groundwater.....	10
7.2 Proposed Monitoring.....	10
7.3 Proposed Monitoring Well Changes	11

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-1 Reporting Period Summary of Groundwater Chemistry
- Appendix D Statistical Method and Output
- Appendix E 2025 Landfill Gas Annual Report
- Appendix F Standards History Graphs
- Appendix G Background Expansion Time Series Plots

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 activities and associated data and statistical evaluation for the Waste Commission of Scott County's (Commission's) closed Scott County municipal solid waste landfill unit (SCL MSWLF unit) were performed in general accordance with Iowa Administrative Code (IAC) 567-113.10(6), additional Iowa Department of Natural Resources (DNR) requirements specified in the closure permit, issued January 2, 1997 (Doc #56837), and the Hydrologic Monitoring System Plan (HMSP). The reporting period for this data evaluation and summary is from January through December 2025 and includes the sampling events summarized in the attached **Table 2**.

ES.2 REPORT PRIORITY

The following summarizes report priorities associated with groundwater compliance for the SCL MSWLF unit:

- Department review urgency:

The background concentration for the SCL MSWLF used was previously derived from background monitoring well MW-32. Monitoring well MW-32 has not produced samples for multiple years due to borrow activities, and the monitoring well was abandoned during this reporting period in preparation for the Cell 10 construction.

To expand the representations of background concentrations at the site, groundwater analytical data from Scott Area Landfill (SAL) MSWLF unit monitoring wells were utilized. The SAL MSWLF unit groundwater data is statistically evaluated using intrawell methods, meaning that the background data is derived from the wells themselves. Monitoring wells in detection monitoring are considered not impacted and, therefore, the prediction limits for the individual monitoring wells are representative of the background at the site. A rationale for selecting representative data to derive the expanded background dataset is provided in Section 6.0.

As the statistical evaluation conducted with the expanded background described above did not indicate any statistically significant levels (SSLs) above the groundwater protection standards (GWPSs), the requirements of IAC 567-113.10(6)g, including preparation of an assessment of corrective measures, do not apply. Comparison of historical lower confidence limits to the expanded background indicated no exceedances since 2018. Therefore, it is requested that the requirement to prepare an assessment of corrective measures, as stated in the February 10, 2025, correspondence (Doc #112251), be released.

- 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: Closed
- Types of waste accepted: previously MSW, C&D, and Special Waste
- Applicable IAC rules: 2009 567-113.10(6-9)

ES.4 COMMENTS

The following summarizes points of special emphasis:

- An expanded background dataset was used for the 2nd 2025 statistical evaluation, as described in Section 6.0. The evaluation results indicate no SSLs above the GWPSs.
- No SSLs above the GWPS or inorganic SSLs above background were measured during the 2nd 2025 statistical evaluation. In addition, none of the detected constituent concentrations exceeded a GWPS.

ACRONYMS/ABBREVIATIONS

ACM = Assessment of Corrective Measures
bgs = below ground surface
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
MCL = EPA Maximum Contaminant Level
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
SSS = Site-Specific Standard (Site-Specific GWPS)
TSS = Total Suspended Solids
UCL = Upper Confidence Limit
VOC = Volatile Organic Compound

1.0 SITE BACKGROUND

1.1 SITE LOCATION

The 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 (SAL), 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 associated HMSP, and the Landfill's operating permit.

1.3 GEOLOGY AND HYDROGEOLOGY OF THE SITE

Previous hydrogeologic investigations of the Landfill property were conducted and summarized by Foth Infrastructure & Environment (Foth) in the 2009 *Annual Water Quality Report* (Doc #50561). The hydrogeology of the Landfill property, based on the Foth summary, is included below.

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-Illinoian glaciations. The Quaternary glacial sediments are characterized as having a relatively thick loess mantle over thick Pre-Illinoian glacial diamicton.

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. The site is bounded on the west and north by 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.

The site Quaternary geology consists of a relatively thick loess cap over Pre-Illinoian diamicton, which overlies middle Devonian shale as the upper most bedrock unit. 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.

The upper bedrock unit at this site is Pennsylvanian aged shale and is variably thick. The next bedrock unit that was encountered at this site is the Devonian aged Davenport-Spring Grove limestone unit, which is part of the regional Silurian-Devonian aquifer. The limestone bedrock is locally mined for construction aggregate and lime products.

Groundwater at this site is typically found within the lower loess or upper diamicton at depths below ground level ranging from 16 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.

The following site-specific geologic and hydrogeologic characteristics were developed from the *Scott Area Landfill Hydrogeologic Investigation Report and Hydrologic Monitoring System Plan*, prepared by Foth & Van Dyke, dated May 1995 (Doc #57183). The outwash sand unit discussed below is found near the northern boundary of the SCL MSWLF unit.

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].

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, HMSP monitoring network, and impact delineation monitoring points are depicted in **Figure 1**. **Figure 1** indicates the respective monitoring programs of the HMSP monitoring points for the SCL MSWLF unit.

2.2 FIGURE 2 – GROUNDWATER CONTOURS

Groundwater contours were determined for the SCL MSWLF unit using groundwater elevation data collected during the June 2025 sampling event. These contours are shown in **Figure 2 – Groundwater Contours**. Based on water levels in the monitoring wells surrounding the SCL MSWLF unit, groundwater flow is generally from the northeast to the southwest beneath the unit. Comparisons of the groundwater contours in **Figure 2** to previous groundwater contour maps indicated that the flow directions were generally consistent.

3.0 STANDARDS HISTORY GRAPHS

Standards history graphs were created for the Appendix I inorganic parameters. The standards history graphs are included in **Appendix F**.

The prediction limits were below the statewide standards with the exception of arsenic and cobalt. For arsenic and cobalt, as the prediction limits were higher than the statewide standards, the prediction limits were established as the GWPSs. For the 2nd 2025 statistical evaluation, the prediction limit for arsenic was 0.02465 mg/L and the prediction limit for cobalt was 0.0102 mg/L.

4.0 QA/QC SUMMARY

The quality assurance/quality control (QA/QC) program for the SCL 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.

5.0 DATA EVALUATION

Assessment and pre-corrective action monitoring statistical evaluations in accordance with the requirements of IAC 567-113.10(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.

The HMSP monitoring network for the SCL MSWLF unit consists of eleven monitoring points, with background well MW-32 located north of the SAL MSWLF unit. Background monitoring well MW-32 was abandoned during this reporting period. Background for the SCL MSWLF unit's 2nd 2025 statistical evaluation was expanded as described in Section 6.0. Compliance monitoring points are located on downgradient perimeters of the SCL MSWLF unit.

VOCs were detected in monitoring wells MW-17, MW-19, MW-27, and OP-17. Monitoring well OP-18 did not produce a sample during this reporting period. No VOCs or metals were measured above a GWPS.

Review of the time series plots indicates generally improving water quality conditions in monitoring wells surrounding the SCL MSWLF unit, especially with notable decreases of multiple VOCs. A statistically significant increasing trend at 99 percent confidence ($\alpha=0.01$) was indicated for barium in monitoring well MW-17 during the 1st 2025 statistical evaluations, and a statistically significant decreasing trend was indicated for cis-1,2-dichloroethene in monitoring well MW-19 during the 2nd 2025 statistical evaluation. Mann-Kendall trend testing summary tables and graphs are located in **Appendix D**, Statistical Method and Output.

Monitoring wells MW-20, MW-21, MW-22, MW-28, and MW-30, located south and west of the SCL MSWLF unit, do not appear to be impacted, with no VOC detections. These monitoring wells are sampled annually.

6.0 BACKGROUND EXPANSION

Monitoring well MW-32, designated as the background monitoring well for the SCL MSWLF unit since 2002 (Doc #28983), was abandoned during this reporting period. To establish a representative background dataset for the SCL MSWLF unit, data from monitoring well MW-32, SAL MSWLF unit background monitoring wells MW-107 and MW-114, and intrawell background data from SAL MSWLF unit monitoring wells MW-41, MW-42, MW-43, MW-48, OP-14, and OP-19 in detection monitoring were used.

To reduce the likelihood that elevated total suspended solids (TSS) concentrations would affect the data, samples with TSS concentrations greater than 50 mg/L were excluded from the dataset. Additionally, the time series plots were reviewed to identify higher values that were likely not

representative of the background population for removal from the background dataset despite not having a physical cause or explanation. As stated in Section 5.2.3 of the *Unified Guidance* (US EPA, 2009):

If an outlier value with much higher concentration than other background observations is not removed from background prior to statistical testing, it will tend to increase both the background sample mean and standard deviation. In turn, this may substantially raise the magnitude of a parametric prediction limit or control limit calculated from that sample. A subsequent compliance well test against this background limit will be much less likely to identify an exceedance. The same is true with nonparametric prediction limits, especially when the maximum background value is taken as the prediction limit. If the maximum is an outlier not representative of the background population, few truly contaminated compliance wells are likely to be identified by such a test, lowering the statistical power of the method and the overall quality of the statistical monitoring program.

Because of these concerns, it may be advisable at times to remove high-magnitude outliers in background even if the reasons for these apparently extreme observations are not known. The overall impact of removal will tend to improve the power of prediction limits and control charts, and thus result in a more environmentally protective program [emphasis added].

The time series plots before data exclusion and the time series plots after the exclusion of the high TSS and apparent non-representative samples are shown side-by-side in **Appendix G**.

As sampling continues for the SAL MSWLF unit, additional data from the background monitoring wells MW-107 and MW-114, as well as data added to the intrawell background for the compliance wells, will be added to the expanded dataset every two years and reported in the subsequent Annual Water Quality Report. The process for updating the background is described in **Appendix D**.

7.0 SUMMARY AND RECOMMENDATIONS

7.1 SITE IMPACT ON GROUNDWATER

The background dataset was expanded and used to calculate confidence intervals during the 2nd 2025 statistical evaluation. The analysis showed no SSLs above the GWPSs. The previous pre-corrective action monitoring wells (MW-19, MW-27, OP-17, and OP-18) will be placed into the assessment monitoring program.

As there were no SSLs above the GWPS and generally decreasing constituent concentrations with none above a GWPS, it appears that the measured groundwater quality impacts from the SCL MSWLF unit are generally limited, particularly given the industrial setting of the site and surrounding area.

7.2 PROPOSED MONITORING

Anticipated groundwater sampling for the 2026 reporting period is shown in **Table 2**. Abandoned monitoring well MW-32 was removed from the HMSP monitoring program.

7.3 PROPOSED MONITORING WELL CHANGES

No new proposed monitoring well changes. Monitoring well MW-32 was abandoned during this reporting period.

Tables

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

Table 1
Monitoring Program Summary Table
2025 Annual Water Quality Report
Scott County Landfill
Permit No. 82-SDP-03-77C

Monitoring Well	Formation ⁽¹⁾	Current Monitoring Program	Change for Next Sampling Event	Constituents with SSLs During the 2025 Reporting Period	Constituents with SSLs	Total Number of Samples in Each Monitoring Program		
						Detection (Organic/Inorganic)	Assessment (Organic/Inorganic)	Pre-Corrective Action (Organic/Inorganic)
HSMP Monitoring Points								
MW-32	Unknown	Background	Abandoned and removed from monitoring network	Not Applicable	Not Applicable	14/9	-	-
MW-17	Silty Sandy Clay	Assessment	No change	Barium, 1,1-Dichloroethane (June) cis-1,2-Dichloroethene (June and December)	None	-	37/20	-
MW-19	Sandy Silty Clay	Pre-Corrective Action	Assessment	Arsenic, Cobalt (June) cis-1,2-Dichloroethene (June and December)	Arsenic and cobalt (June) None (December)	-	-	36/20
MW-20	Sandy Clay	Assessment	No change	Barium (June)	None	-	13/12	-
MW-21	Shale	Assessment	No change	Zinc (June)	None	-	23/12	-
MW-22	Sandy Silty Clay	Assessment	No change	None	None	-	12/8	-
MW-27	Sandy Silty Clay	Pre-Corrective Action	Assessment	Arsenic, Cobalt, Acetone, Benzene (June) 1,1-Dichloroethane, Chlorobenzene, cis-1,2-Dichloroethene (June and December)	Cobalt (June) None (December)	-	-	37/20
MW-28	Sandy Silty Clay	Assessment	No change	None	None	-	9/14	-
MW-30	Silty Clay	Assessment	No change	None	None	-	22/12	-
OP-17	Silt/Clay	Pre-Corrective Action	Assessment	Arsenic, Barium, Cobalt, Copper, Nickel (June) 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, Benzene, Chlorobenzene (June and December)	Arsenic and cobalt (June) None (December)	-	-	42/21
OP-18	Silt/Clay	Pre-Corrective Action	Assessment	None (no samples) ⁽²⁾	Arsenic and cobalt (June) None (December)	-	-	39/18
Supplemental Monitoring Points								
MW-18R	Silty Clay/Sand Seam	Impact Delineation						
MW-33A	Silty Clay/Sandy Lean Clay	Impact Delineation						
MW-33B	Sandy Lean Clay	Impact Delineation						
MW-34	Silty/Lean Clay with Sand	Impact Delineation						
MW-35	Sandy Lean Clay/Silty Clay with Sand	Impact Delineation						
MW-36	Sandy Lean Clay/Silty Clay	Impact Delineation						
MW-37	Sandy Lean Clay/Silty Clay with Sand	Impact Delineation						
MW-38	Sand	Impact Delineation						
MW-39	Silty Clay	Impact Delineation						
MW-44	Clay/Silt	Impact Delineation						
MW-45	Clay/Sandy Silt	Impact Delineation						
MW-46	Silt	Impact Delineation						
MW-47	Silt/Silty Clay	Impact Delineation						
MW-49	Sandy Lean Clay/Sand	Impact Delineation						
MW-50	Silt/Sandy Lean Clay	Impact Delineation						
MW-51	Sandy Lean Clay	Impact Delineation						
MW-52	Lean Clay/Clayey Silt	Impact Delineation						
MW-53	Sandy Lean Clay/Silty Clay	Impact Delineation						
MW-54	Silty Clay/Peat	Impact Delineation						

Notes:

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

(2) The monitoring well did not produce samples during this reporting period.

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 County Landfill
Permit No. 82-SDP-03-77C

Monitoring Well	Recent Sampling Dates and Constituents		Upcoming Sampling Dates and Constituents		Full Appendix II Sample Dates	
	June 2025 (1 st 2025 Semi-Annual)	December 2025 (2 nd 2025 Semi-Annual)	1 st 2026 Semi-Annual	2 nd 2026 Semi-Annual	Previously Collected	Next Event
HMSP						
MW-32	Not Sampled (Insufficient Water)	Not Sampled (Insufficient Water)	Abandoned		Not applicable	Not applicable
MW-17	Reduced Metals list, TSS, Appendix I VOCs	Reduced Metals list, TSS, Appendix I VOCs	Reduced Metals list, TSS, Appendix I VOCs	Reduced Metals list, TSS, Appendix I VOCs	7/2008, 9/2008, 3/2009, 6/2009, 9/2009, 3/2010, 9/2010, 9/2014, 4/2019, 6/2024	2029
MW-19	Reduced Metals list, TSS, Appendix I VOCs, Geochemistry, Natural Attenuation	Reduced Metals list, TSS, Appendix I VOCs, Geochemistry, Natural Attenuation	Reduced Metals list, TSS, Appendix I VOCs	Reduced Metals list, TSS, Appendix I VOCs	7/2008, 9/2008, 3/2009, 6/2009, 9/2009, 3/2010, 9/2010, 9/2014, 4/2019, 6/2024	2029
MW-20	Reduced Metals list, TSS		Reduced Metals list, TSS		1/2013, 3/2014, 4/2019, 6/2024	2029
MW-21	Reduced Metals list, TSS		Reduced Metals list, TSS		7/2008, 9/2008, 3/2009, 6/2009, 9/2009, 3/2010, 9/2014, 4/2019, 6/2024	2029
MW-22	Reduced Metals list, TSS		Appendix II, TSS		6/2009, 8/2009, 9/2009, 12/2009, 3/2010, 4/2015, 5/2021	2026
MW-27	Reduced Metals list, TSS, Appendix I VOCs, Geochemistry, Natural Attenuation	Reduced Metals list, TSS, Appendix I VOCs, Geochemistry, Natural Attenuation	Reduced Metals list, TSS, Appendix I VOCs	Reduced Metals list, TSS, Appendix I VOCs	7/2008, 9/2008, 3/2009, 6/2009, 9/2009, 3/2010, 9/2010, 9/2014, 4/2019, 6/2024	2029
MW-28	Appendix II, TSS		Reduced Metals list, TSS		1/2015, 9/2015, 4/2020, 6/4/2025	2030
MW-30	Reduced Metals list, TSS		Reduced Metals list, TSS, Tin, Sulfide		3/2009, 6/2009, 9/2009, 12/2009, 3/2010, 9/2010, 9/2014, 4/2019, 6/2024	2029
OP-17	Appendix II, TSS, Geochemistry, Natural Attenuation	Reduced Metals list, TSS, Appendix I VOCs, Geochemistry, Natural Attenuation	Reduced Metals list, TSS, Appendix I VOCs	Reduced Metals list, TSS, Appendix I VOCs	3/2009, 6/2009, 8/2009, 9/2009, 3/2010, 9/2010, 4/2015, 4/2020, 6/4/2025	2030
OP-18	Not Sampled (Insufficient Water)	Not Sampled (Insufficient Water)	Appendix II, TSS	Reduced Metals list, TSS, Appendix I VOCs	3/2009, 6/2009, 8/2009, 9/2009, 9/2010, 4/2015, 4/2020	2026

Table 2
Monitoring Program Implementation Schedule
2025 Annual Water Quality Report
Scott County Landfill
Permit No. 82-SDP-03-77C

Monitoring Well	Recent Sampling Dates and Constituents		Upcoming Sampling Dates and Constituents		Full Appendix II Sample Dates	
	June 2025 (1 st 2025 Semi-Annual)	December 2025 (2 nd 2025 Semi-Annual)	1 st 2026 Semi-Annual	2 nd 2026 Semi-Annual	Previously Collected	Next Event
Supplemental*						
LHW-4	Geochemistry, TSS				Not applicable	Not applicable
LHW-7	Not sampled (Insufficient Fluid)				Not applicable	Not applicable
MW-18R	Arsenic, Cobalt, TSS, Geochemistry	Arsenic, Cobalt, TSS, Geochemistry	Arsenic, Cobalt, TSS	Arsenic, Cobalt, TSS	Not applicable	Not applicable
MW-33A	Arsenic, Cobalt, TSS, Geochemistry	Arsenic, Cobalt, TSS, Geochemistry	Arsenic, Cobalt, TSS	Arsenic, Cobalt, TSS	Not applicable	Not applicable
MW-33B	Arsenic, Cobalt, TSS		Arsenic, Cobalt, TSS		Not applicable	Not applicable
MW-34	Arsenic, Cobalt, TSS, Geochemistry	Arsenic, Cobalt, TSS, Geochemistry	Arsenic, Cobalt, TSS	Arsenic, Cobalt, TSS	Not applicable	Not applicable
MW-35	Arsenic, Cobalt, TSS, Geochemistry	Arsenic, Cobalt, TSS, Geochemistry	Arsenic, Cobalt, TSS	Arsenic, Cobalt, TSS	Not applicable	Not applicable
MW-36	Not sampled (Possible Damage)	Arsenic, Cobalt, TSS	Arsenic, Cobalt, TSS	Arsenic, Cobalt, TSS	Not applicable	Not applicable
MW-37	Arsenic, Cobalt, TSS, Appendix I VOCs, Geochemistry	Arsenic, Cobalt, TSS, Appendix I VOCs, Geochemistry	Arsenic, Cobalt, TSS, Appendix I VOCs	Arsenic, Cobalt, TSS, Appendix I VOCs	Not applicable	Not applicable
MW-38	Arsenic, Cobalt, TSS		Arsenic, Cobalt, TSS		Not applicable	Not applicable
MW-39	Arsenic, Cobalt, TSS, Appendix I VOCs, Geochemistry	Arsenic, Cobalt, TSS, Appendix I VOCs, Geochemistry	Arsenic, Cobalt, TSS, Appendix I VOCs	Arsenic, Cobalt, TSS	Not applicable	Not applicable
MW-44	Cobalt, TSS, Appendix I VOCs, Geochemistry	Cobalt, TSS, Appendix I VOCs, Geochemistry	Cobalt, TSS, Appendix I VOCs	Cobalt, TSS, Appendix I VOCs	Not applicable	Not applicable
MW-45	Arsenic, Cobalt, TSS, Appendix I VOCs, Geochemistry	Arsenic, Cobalt, TSS, Appendix I VOCs, Geochemistry	Arsenic, Cobalt, TSS, Appendix I VOCs	Arsenic, Cobalt, TSS	Not applicable	Not applicable
MW-46	Arsenic, Cobalt, TSS, Geochemistry		Arsenic, Cobalt, TSS		Not applicable	Not applicable
MW-47	Arsenic, Cobalt, TSS, Geochemistry		Arsenic, Cobalt, TSS		Not applicable	Not applicable
MW-49		Not sampled (Dry)	Arsenic, Cobalt, TSS, Geochemistry	Arsenic, Cobalt, TSS, Geochemistry	Not applicable	Not applicable
MW-50		Not sampled (Dry)	Arsenic, Cobalt, TSS, Geochemistry	Arsenic, Cobalt, TSS, Geochemistry	Not applicable	Not applicable

Notes:

TSS - Total Suspended Solids.

* -Supplemental sampling may change based on DNR review of the request to release the assessment of corrective measures requirement.

Reduced Metals List includes: Arsenic, Barium, Beryllium, Cadmium, Cobalt, Copper, Lead, Nickel, Vanadium, and Zinc.

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 County Landfill
Permit No. 82-SDP-03-77C

Compliance with:	2023	2024	2025	2026	2027
567 IAC 113.10(2)"f"(1) high and low water levels	Completed	Completed	Included	Scheduled	Scheduled
567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths	Completed	Completed	Included	Scheduled	Scheduled
567 IAC 113.10(2)"f"(3) well depths	Completed	Completed	Included	Scheduled	Scheduled
567 IAC 113.10(2)"f"(4) well recharge rates and chemistry		Completed		Scheduled	
Waste separation from ground water 113.6(2)i	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Comments:

Not Applicable: There is no underdrain system at the Scott County Landfill.

Table 4
Monitoring Well Performance and Maintenance Summary
2025 Annual Water Quality Report
Scott County Landfill
Permit No. 82-SDP-03-77C

Well	Top of Casing	Top of Screen	Total Depth		Date of Measurements		Maximum Depth Discrepancy (ft)
					6/2025	12/3/2025	
MW-32	701.23	691.6	19.3	Groundwater Level (ft)	18.66	18.88	-0.3
				Groundwater Elevation (Ft MSL)	682.57	682.35	
				Measured Well Depth (ft)	19.6	19.6	
				Submerged screen	N	N	
MW-17	689.49	642.9	55.3	Groundwater Level (ft)	16.51	20.82	0.2
				Groundwater Elevation (Ft MSL)	672.98	668.67	
				Measured Well Depth (ft)	55.1	55.1	
				Submerged screen	Y	Y	
MW-19	679.61	654.9	37.6	Groundwater Level (ft)	11.13	16.05	0.7
				Groundwater Elevation (Ft MSL)	668.48	663.56	
				Measured Well Depth (ft)	36.9	36.9	
				Submerged screen	Y	Y	
MW-20	669.08	631.2	48.4	Groundwater Level (ft)	10.71	NS	-0.2
				Groundwater Elevation (Ft MSL)	658.37	NA	
				Measured Well Depth (ft)	48.6	NA	
				Submerged screen	Y	NA	
MW-21	662.14	615.1	57.5	Groundwater Level (ft)	29.86	NS	NA
				Groundwater Elevation (Ft MSL)	632.28	NA	
				Measured Well Depth (ft)	NM	NA	
				Submerged screen	Y	NA	
MW-22	605.62	597.5	10.2	Groundwater Level (ft)	8.47	NS	0.0
				Groundwater Elevation (Ft MSL)	597.15	NA	
				Measured Well Depth (ft)	10.2	NA	
				Submerged screen	N	NA	
MW-27	667.25	643.4	35.0	Groundwater Level (ft)	15.42	9.29	0.0
				Groundwater Elevation (Ft MSL)	651.83	657.96	
				Measured Well Depth (ft)	35.0	35.0	
				Submerged screen	Y	Y	
MW-28	649.75	640.6	20.2	Groundwater Level (ft)	10.42	NS	-0.1
				Groundwater Elevation (Ft MSL)	639.33	NA	
				Measured Well Depth (ft)	20.3	NA	
				Submerged screen	N	NA	
MW-30	678.27	664.8	23.5	Groundwater Level (ft)	12.57	NS	0.2
				Groundwater Elevation (Ft MSL)	665.70	NA	
				Measured Well Depth (ft)	23.3	NA	
				Submerged screen	Y	NA	
OP-17	707.93	672.6	45.5	Groundwater Level (ft)	35.91	39.1	1.7
				Groundwater Elevation (Ft MSL)	672.02	668.83	
				Measured Well Depth (ft)	43.8	53.6*	
				Submerged screen	N	N	
OP-18	700.57	676.1	34.7	Groundwater Level (ft)	27.39	Dry	NA
				Groundwater Elevation (Ft MSL)	673.18	NA	
				Measured Well Depth (ft)	NM	NM	
				Submerged screen	N	N	

Notes:

- NM - Not measured. See Comment 1 below.
- NS - Not sampled; monitoring well sampled annually.
- NA - Not available.
- * - Presumed anomalous.

Comments:

- 1) Monitoring wells with dedicated sampling pumps are measured once every 5 years. Monitoring wells with dedicated sampling pumps were measured during the spring 2025 sampling event and will be measured next in 2030. Monitoring wells MW-21 and OP-18 were not measured during this reporting period and will be measured in 2026.
- 2) Measured well depths were within 1.7 feet of the installed depths. Most monitoring wells produced samples during the 2025 sampling events, so it appears siltation is not generally affecting the ability of the monitoring wells to produce samples. However, monitoring well MW-32, which frequently does not produce samples, did not produce samples during this reporting period, and was abandoned due to the upcoming Cell 10 construction. Monitoring well OP-18 was not dry previously; field staff indicated the well had water present but in an insufficient quantity to allow sampling during both the June and December 2025 sampling events.

Table 5
Background and GWPS Summary Tables
2025 Annual Water Quality Report
Scott County Landfill
Permit No. 82-SDP-03-77C

Interwell Background/GWPS MSWLF Unit (MW-32, MW-107, MW-114, Background of MW-41, MW-42, MW-43, MW-48, OP-14, and OP-19)

Constituent	Units	Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Inorganics										
Antimony (Sb)	mg/L	110	5	0.0005 (1/2 RL)	0.00117	0.00072	0.00117	PL (NP)	0.006	MCL
Arsenic (As)	mg/L	118	83	0.00066*	0.02465	0.00255	0.02465	PL (NP)	0.02465	SSS
Barium (Ba)	mg/L	116	116	0.0355	0.448	0.17306	0.448	PL (NP)	2	MCL
Beryllium (Be)	mg/L	116	1	0.00038*	0.0005 (1/2 RL)	0.00050	0.0005	PL (NP)	0.004	MCL
Cadmium (Cd)	mg/L	115	37	0.000047*	0.000426*	0.00015	0.000426	PL (NP)	0.005	MCL
Chromium (Cr)	mg/L	111	24	0.00101*	0.00446*	0.00242	0.00446	PL (NP)	0.1	MCL
Cobalt (Co)	mg/L	114	98	0.000061*	0.0102	0.00173	0.0102	PL (NP)	0.0102	SSS
Copper (Cu)	mg/L	115	31	0.000978*	0.00592	0.00267	0.00592	PL (NP)	1.3	MCL
Lead (Pb)	mg/L	117	37	0.000138*	0.00225	0.00033	0.00225	PL (NP)	0.015	MCL
Nickel (Ni)	mg/L	115	71	0.000964*	0.0318	0.00553	0.0318	PL (NP)	0.1	SWS
Selenium (Se)	mg/L	112	12	0.000765*	0.0025 (1/2 RL)	0.00235	0.0025	PL (NP)	0.05	MCL
Silver (Ag)	mg/L	110	2	0.000157*	0.0005 (1/2 RL)	0.00049	0.0005	PL (NP)	0.1	SWS
Thallium (Tl)	mg/L	112	5	0.000033*	0.001 (1/2 RL)	0.00050	0.001	PL (NP)	0.002	MCL
Vanadium (V)	mg/L	117	45	0.000384*	0.00564	0.00233	0.00564	PL (NP)	0.035	SWS
Zinc (Zn)	mg/L	116	6	0.005 (1/2 RL)	0.0273	0.01002	0.0273	PL (NP)	2	SWS

Notes:

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

* - Indicates J flag. The concentration 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

Comments:

- 1) Water quality results and effectiveness of the statistical data evaluation criteria:** Statistical analyses consist of prediction limits and confidence intervals/confidence bands, as appropriate. Data from the background wells is not used for development of the confidence intervals.
- 2) Changes to the previous statistical method during reporting period:** Historical background from monitoring wells MW-32, MW-107, and MW-114, plus intrawell background from detection monitoring wells MW-41, MW-42, MW-43, MW-48, MW-117, OP-14, and OP-19, were pooled to create the background dataset for the calculation of prediction limits.
- 3) Re-sampling strategy:** The SCL MSWLF unit detection monitoring statistical method includes a 1-of-2 retesting scheme; however, retesting is not performed for the assessment monitoring program. The monitoring wells in the SCL MSWLF unit monitoring network are in the assessment monitoring program.
- 4) Justification for data exclusion:** As directed in DNR correspondence dated September 3, 2015 (Doc #84169), the inorganic data collected prior to low-flow sampling methods, which began during the 2016 reporting period, was not considered beginning with the 1st 2018 semi-annual statistical evaluation.

Table 6
Summary of Well/Detected Constituent Pairs With No Previous SSIs
2025 Annual Water Quality Report
Scott County Landfill
Permit No. 82-SDP-03-77C

Well	Constituent	Units	Most recent result	Background Standard
MW-27	Arsenic	mg/L	0.00269	0.02465
	Acetone	µg/L	13	<10
	Benzene	µg/L	0.232*	<0.5

Notes:

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.

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: The SCL MSWLF unit detection monitoring statistical method includes a 1-of-2 retesting scheme; however, retesting is not performed for the assessment monitoring program. The monitoring wells in the SCL MSWLF unit monitoring network are in the assessment monitoring program.

Table 7
Summary Table of Ongoing and Newly Identified SSIs
2025 Annual Water Quality Report
Scott County Landfill
Permit No. 82-SDP-03-77C

Well	Constituent	Units	Most Recent Result	Background Standard	Lower Confidence Limit	GWPS	Sample Dates		
							Initial Exceedance	Resample(s)	5 th background sample
MW-17	Barium	mg/L	0.194	0.448	0.2603	2	06/2025	NA	06/2018
	1,1-Dichloroethane	µg/L	0.608*	<1	0.4333	140	07/2008	NA	09/2009
	cis-1,2-Dichloroethene	µg/L	1.53	<1	0.2319	70	07/2008	NA	09/2009
MW-19	Arsenic	mg/L	0.0215	0.02465	0	0.02465	06/2025	NA	06/2018
	Cobalt	mg/L	0.00396	0.01375	0.002089	0.01375	06/2025	NA	06/2018
	cis-1,2-Dichloroethene	µg/L	1.57	<1	TS	70	07/2008	NA	09/2009
MW-20	Barium	mg/L	0.302	0.448	0.2669	2	06/2025	NA	12/2018
MW-21	Zinc	mg/L	0.0305	0.0273	0.01	2	06/2025	NA	12/2018
MW-22	None								
MW-27	Arsenic	mg/L	0.00269	0.02465	0.002089	0.02465	06/2025	NA	09/2009
	Cobalt	mg/L	0.00207	0.01375	0.004328	0.01375	06/2025	NA	03/2010
	Acetone	µg/L	13	<10	5	6300	09/2010	NA	09/2009
	Benzene	µg/L	0.232*	<0.5	0.1792	5	07/2008	NA	09/2009
	1,1-Dichloroethane	µg/L	1.7	<1	1.906	140	07/2008	NA	09/2009
	Chlorobenzene	µg/L	1.91	<1	1.441	100	12/2018	NA	06/2009
	cis-1,2-Dichloroethene	µg/L	21.3	<1	24.34	70	07/2008	NA	09/2009
MW-28	None								
MW-30	None								
OP-17	Arsenic	mg/L	0.00215	0.02465	0.005507	0.02465	06/2025	NA	06/2018
	Barium	mg/L	0.292	0.448	0.3228	2	06/2024	NA	06/2018
	Cobalt	mg/L	0.00144	0.01375	0.002662	0.01375	06/2025	NA	06/2018
	Copper	mg/L	<0.005	0.00592	0.0001846	1.3	06/2025	NA	06/2018
	Nickel	mg/L	0.0128	0.0318	0.009648	0.1	06/2025	NA	06/2018
	1,2-Dichlorobenzene	µg/L	5.42	<1	6.02	600	09/2014	NA	09/2008
	1,4-Dichlorobenzene	µg/L	8.12	<1	8.172	75	09/2014	NA	09/2008
	Benzene	µg/L	1.89	<0.5	1.346	5	03/2008	NA	09/2008
	Chlorobenzene	µg/L	33.8	<1	28.44	100	07/2008	NA	06/2009
OP-18	None (no samples)								

Notes:

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

* - J Flag - Concentration is below the reporting limit but above the method detection limit. The concentration is estimated.

NA - Not Applicable. Resampling is not part of the statistical method for the assessment monitoring program.

TS - Theil-Sen. Indicates that due to a statistically significant trend, Thiel-Sen confidence band analysis was performed in lieu of confidence intervals; therefore, a lower confidence limit is unavailable.

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:** Considered complete.
- 5) **Property owner notifications:** Not applicable.

Table 8
Summary Table of Ongoing and Newly Identified SSLs
2025 Annual Water Quality Report
Scott County Landfill
Permit No. 82-SDP-03-77C

Well	Constituent	Units	Most recent result	Upper Confidence Limit	GWPS	Initial Exceedance**	Upper Confidence Limit Below GWPS					
							1 st Year		2 nd Year		3 rd Year	
MW-19	Arsenic*	mg/L	0.0215	0.1175	0.01	12/2018	NA	NA	NA	NA	NA	NA
	Cobalt*	mg/L	0.00395	0.007071	0.003648	6/2018	NA	NA	NA	NA	NA	NA
MW-27	Cobalt*	mg/L	0.00207	0.02036	0.003648	6/2018	NA	NA	NA	NA	NA	NA
OP-17	Arsenic *	mg/L	0.00215	0.01938	0.01	6/2018	NA	NA	NA	NA	NA	NA
	Cobalt*	mg/L	0.00144	0.01679	0.003648	12/2018	NA	NA	NA	NA	NA	NA
OP-18	Arsenic*	mg/L	0.00739	0.0768	0.01	5/2021	NA	NA	NA	NA	NA	NA
	Cobalt*	mg/L	0.00778	0.03458	0.003648	6/2018	NA	NA	NA	NA	NA	NA

Notes:

* - The SSLs in this table were previously reported. The SSLs present during the 1st 2025 statistical evaluation were eliminated following the background expansion in the 2nd 2025 statistical evaluation.

** - Inorganic data obtained prior to the implementation of low-flow sampling was removed from statistical consideration beginning with the 2018 reporting period. Therefore, the initial exceedance of SSL constituents is only considered since 2018. Comparison of historical lower confidence limits to the expanded background indicated no exceedances since 2018.

NA - Not applicable.

Table 9
Summary of Groundwater Chemistry
2025 Annual Water Quality Report
Scott County Landfill
Permit No. 82-SDP-03-77C

The Reporting Period Summary of Groundwater Chemistry is located in Appendix C.

Analytical data prior to 2025 is located in the 2024 Annual Water Quality Report, dated January 29, 2025 (Doc #112095).

Table 10
Historical SSI and SSL
2025 Annual Water Quality Report
Scott County Landfill
Permit No. 82-SDP-03-77C

Key

	SSI - Statistically Significant Increase above background
	SSL - Statistically Significant Level above groundwater protection standards

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
MW-17	Arsenic									NS					
	Barium									NS					
	1,1-Dichloroethane									NS					
	cis-1,2-Dichloroethene									NS					
MW-19	Arsenic														
	Cobalt														
	Benzene														
	1,4-Dichlorobenzene														
	cis-1,2-Dichloroethene														
	Methoxychlor														
MW-20	Barium		NS	NS			NS		NS		NS		NS		NS
MW-21	Arsenic		NS	NS			NS		NS		NS		NS		NS
	Zinc												NS		NS
MW-22	None		NS	NS			NS		NS		NS	NS	NS	NS	NS
MW-27	Arsenic														
	Cobalt														
	Nickel														
	1,1-Dichloroethane														
	Acetone														
	Benzene														
	Chlorobenzene														
	cis-1,2-Dichloroethene														
MW-28	None						NS		NS		NS		NS		NS
MW-30	Sulfide		NS	NS			NS		NS		NS		NS		NS
OP-17	Arsenic														
	Barium														
	Cobalt														
	Copper														
	Nickel														
	1,2-Dichlorobenzene														
	1,4-Dichlorobenzene														
	Benzene														
	Chlorobenzene														
	Chloromethane														
OP-18	Arsenic													NS	NS
	Beryllium													NS	NS
	Cobalt													NS	NS
	Copper													NS	NS
	Nickel													NS	NS
	Zinc													NS	NS
	1,4-Dichlorobenzene													NS	NS
	Acetone													NS	NS
	Benzene													NS	NS
	Carbon Disulfide													NS	NS
	Chlorobenzene													NS	NS
	Chloromethane													NS	NS
														NS	NS

Notes:

- 1) NS - Not sampled. Monitoring well is sampled annually, was dry, or was not accessible.
- 2) * - 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.
- 3) SSIs recorded on this table for monitoring points in the assessment and former pre-corrective action monitoring programs are not confirmed.
- 4) A detection of an organic compound or sulfide is recorded as an SSI for this table.

Table 11
Corrective Action Trend Analysis
2025 Annual Water Quality Report
Scott County Landfill
Permit No. 82-SDP-03-77C

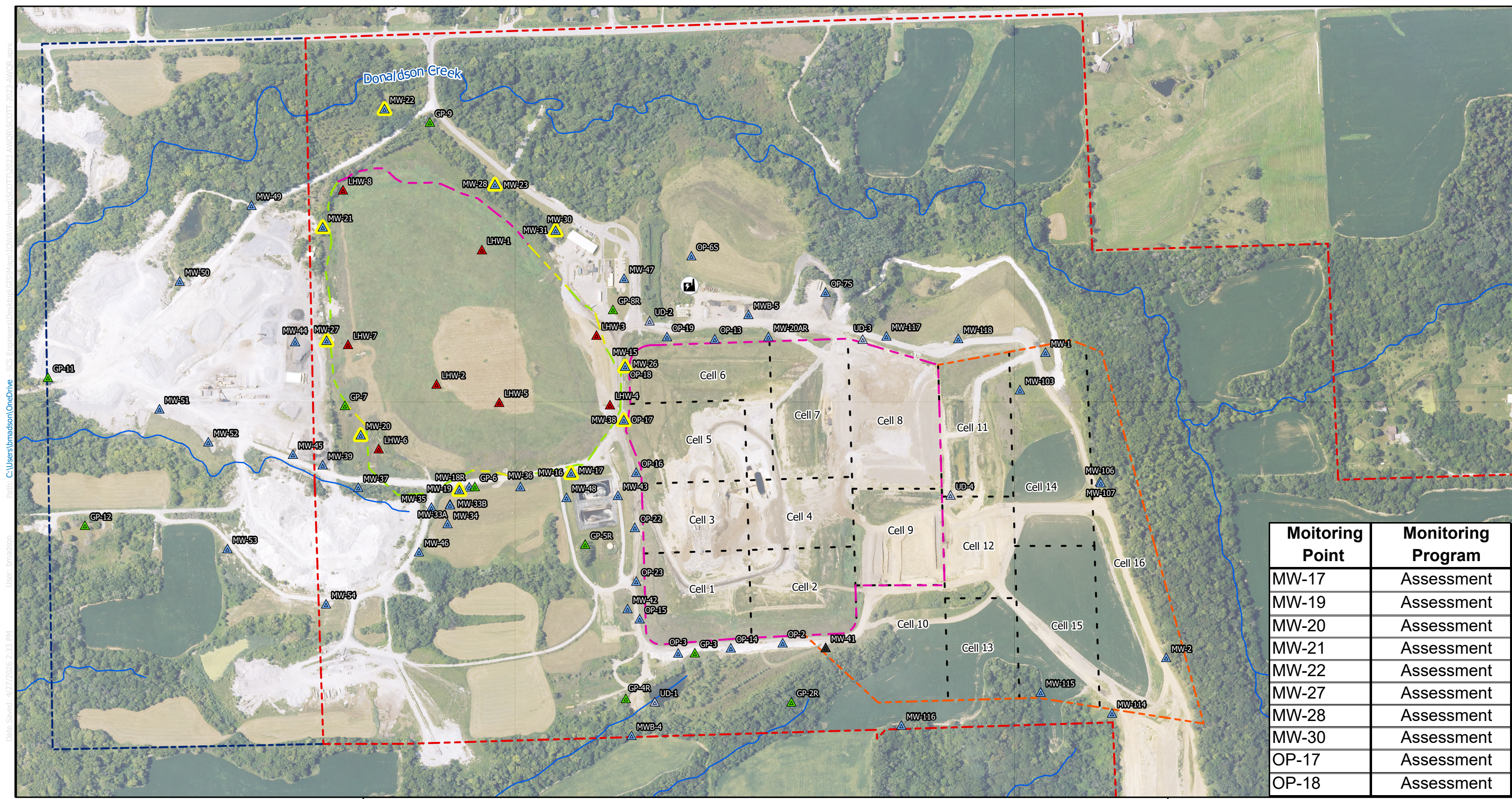
Well	Current SSL	Trend	Calculated S	Critical S	Total N	Projected Date to Completion*
None						

Notes:

There are no current SSLs at the site.

Figures

- 1 Approved Monitoring Network
- 2 Groundwater Contours



C:\Users\lmadson\OneDrive - SCC Engineers\Desktop\GIS\Map\IOWA\Map\IOWA\SCOTT\2023\AMON\SCOTT_2023_AMON.aprx
Path: C:\Users\lmadson\OneDrive - SCC Engineers\Desktop\GIS\Map\IOWA\Map\IOWA\SCOTT\2023\AMON\SCOTT_2023_AMON.aprx
User: lmadson
Date Saved: 4/27/2026 2:23 PM



Approved Monitoring Network

Legend

- HMSG Monitoring Well
- Abandoned HMSG 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

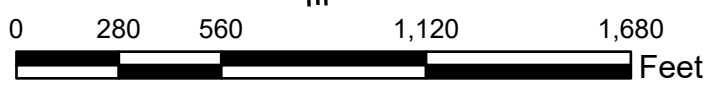
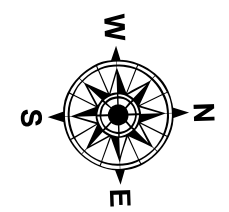
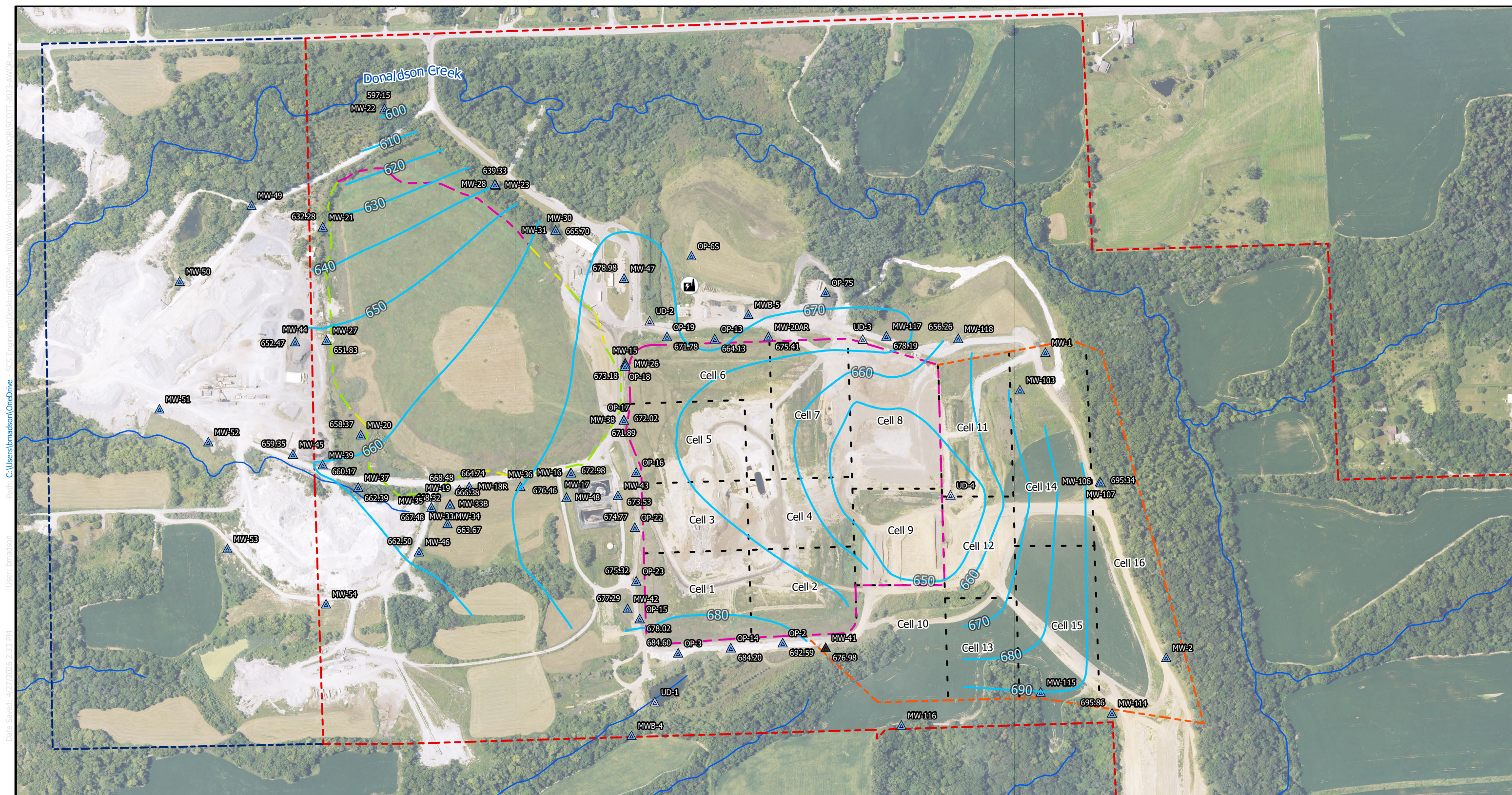


Figure 1

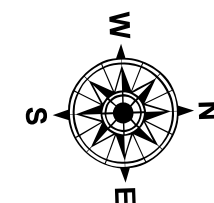


Path: C:\Users\lmadson\OneDrive
User: lmadson
Date Saved: 4/27/2026 2:23 PM

Legend

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

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



0 280 560 1,120 1,680
Feet

Figure 2

Appendix A
Field Sampling Forms

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: LHW-4	Date: 6/6/2025
Gradient: Supp	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):	19.9
Initial Static Water Level (feet):	16.77
Initial Groundwater Elevation (ft-amsl):	NA
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 (NTU)	
	Purging start time.						
11:20 AM	17.9		3624	6.59			
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	3.8
Was well pumped/bailed dry?	No
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:	Color: grey tint Odor: leachate Black particulate present. Pipe diameter = 4 in.

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-17	Date: 6/4/2025
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):	55.1
Initial Static Water Level (feet):	16.51
Initial Groundwater Elevation (ft-amsl):	672.98
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING							
FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
7:03 PM	Purging start time.						
7:06 PM	14.6	6.2	1267.3	7.27	106.0	9.5	
7:09 PM	14.4	6.4	1174.2	7.35	84.9	8.6	
7:12 PM	14.5	6.4	1150.7	7.33	92.0	10.5	
7:15 PM	14.5	3.6	1376.4	6.83	113.4	16.6	
7:18 PM	14.4	1.8	1424.2	6.79	112.8	17.4	
7:21 PM	14.2	1.3	1436.3	6.78	109.7	17.4	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	2.5
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	18:00
Average Purge Rate (mL/min):	138.89

D. WELL MAINTENANCE	
Does the well require any future maintenance?	Yes
If yes, explain:	Well lid rusted and won't close.
Additional Comments:	Color: clear Odor: seaweed

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-18R	Date: 6/3/2025
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):	64.6
Initial Static Water Level (feet):	14.42
Initial Groundwater Elevation (ft-amsl):	659.69
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)	
3:23 PM	Purging start time.						
3:26 PM	16.6	0.8	798.6	7.59	188.8	4.6	
3:29 PM	16.6	0.5	794.1	7.58	189.5	5.5	
3:32 PM	16.4	0.3	792.5	7.57	191.1	5.6	
3:35 PM	16.6	0.3	791.0	7.56	192.9	6.0	
Parameters stabilized, sample collected.							

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

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

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-19	Date: 6/4/2025
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):	36.9
Initial Static Water Level (feet):	11.13
Initial Groundwater Elevation (ft-amsl):	668.48
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING							
FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
8:40 AM	Purging start time.						
8:43 AM	13.8	1.1	1278.4	6.77	142.3	13.4	
8:46 AM	13.6	0.2	1243.2	6.73	125.5	20.2	
8:49 AM	13.6	0.1	1239.7	6.72	106.1	16.0	
8:52 AM	13.7	0.1	1236.0	6.71	89.8	12.4	
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?	Yes Lock needed
If yes, explain:	Well lid won't close.
Additional Comments:	Color: orange tint Odor: none Orange flecks observed.

FORM FOR GROUNDWATER SAMPLING

[illegible]

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-21	Date: 6/4/2025
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):	29.86
Initial Groundwater Elevation (ft-amsl):	632.28
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)	
11:44 AM	Purging start time.						
11:47 AM	13.5	1.0	1032.4	6.96	-109.8	32.5	
11:50 AM	14.3	0.5	1026.5	6.99	-155.0	26.7	
11:53 AM	13.8	0.2	1029.0	7.04	-193.0	19.8	
11:56 AM	14.4	0.1	1031.5	7.03	-218.9	12.7	
Parameters stabilized, sample collected.							

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

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: cloudy light brown Odor: seaweed Ants and black/brown particulate while stabilizing and sampling. Pump struggled to draw water between 35 - 36 ft and while collecting a sample.

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-22	Date: 6/4/2025
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):	10.2
Initial Static Water Level (feet):	8.47
Initial Groundwater Elevation (ft-amsl):	597.15
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 (NTU)	
1:59 PM	Purging start time.						
2:02 PM	12.4	2.0	1379.0	6.91	186.6	8.6	
2:05 PM	12.2	1.5	1404.4	6.90	186.0	7.2	
2:08 PM	12.1	1.4	1412.8	6.90	186.4	7.1	
2:11 PM	11.9	1.4	1417.6	6.89	187.4	7.1	
Parameters stabilized, sample collected.							

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

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

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-27	Date: 6/4/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? Yes	Water: low lying area

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	35.0
Initial Static Water Level (feet):	15.42
Initial Groundwater Elevation (ft-amsl):	651.83
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING							
FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
10:43 AM	Purging start time.						
10:46 AM	13.8	1.8	1699.0	6.40	17.1	7.4	
10:49 AM	13.8	0.8	1739.5	6.39	-20.4	7.8	
10:52 AM	13.8	0.5	1754.5	6.40	-37.6	7.8	
10:55 AM	13.9	0.4	1756.7	6.40	-47.3	7.3	
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 Lock needed
If yes, explain:	
Additional Comments:	Color: clear Odor: slight seaweed

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-28	Date: 6/4/2025
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):	20.3
Initial Static Water Level (feet):	10.42
Initial Groundwater Elevation (ft-amsl):	639.33
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING							
FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
12:42 PM	Purging start time.						
12:45 PM	12.9	5.3	793.5	6.85	124.3	9.8	
12:48 PM	12.8	5.1	787.3	6.82	133.8	10.7	
12:51 PM	12.8	5.0	781.6	6.81	140.7	10.5	
12:54 PM	12.8	4.9	782.8	6.80	146.7	11.5	
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 Lock needed
If yes, explain:	Well lid maintenance.
Additional Comments:	Color: clear Odor: slightly earthy

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill							
Monitoring Well/Piezometer ID: MW-30				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):				23.3			
Initial Static Water Level (feet):				12.57			
Initial Groundwater Elevation (ft-amsl):				665.70			
Equipment Used:				Dedicated Tubing – Peristaltic Pump			
C. WELL PURGING							
FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
9:40 AM	Purging start time.						
9:43 AM	12.6	5.6	710.8	7.21	218.7	10.3	
9:46 AM	12.4	5.2	679.6	7.09	226.4	11.6	
9:49 AM	12.3	5.1	670.0	7.05	231.1	15.5	
9:52 AM	12.4	5.1	665.8	7.02	234.6	17.4	
	Parameters stabilized, sample collected.						
Quantity of Water Removed from Well (liters): 1.7							
Was well pumped/bailed dry? No							
Total Amount of Time Purged (minutes:seconds): 12:00							
Average Purge Rate (mL/min): 141.67							
D. WELL MAINTENANCE							
Does the well require any future maintenance?				No			
If yes, explain:							
Additional Comments:	Color: clear Odor: very slight ocean						

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-32	Date: 6/4/2025
Gradient: Up	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped?	Yes
Litter/Standing Water?	Yes
Litter, well close to active cell.	

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	19.6
Initial Static Water Level (feet):	18.66
Initial Groundwater Elevation (ft-amsl):	682.57
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

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

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

D. WELL MAINTENANCE

Does the well require any future maintenance?		No
If yes, explain:		
Additional Comments:	Static water level was 18.66 ft. Unable to draw water, likely due to the static water level being below the tubing depth.	

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-33A	Date: 6/3/2025
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):	33.2
Initial Static Water Level (feet):	8.04
Initial Groundwater Elevation (ft-amsl):	668.32
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING							
FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
2:01 PM	Purging start time.						
2:04 PM	15.2	0.8	1365.1	6.78	-20.3	10.7	
2:07 PM	15.1	0.4	1367.4	6.78	-83.6	16.6	
2:10 PM	15.0	0.2	1366.5	6.79	-100.3	19.8	
2:13 PM	15.0	0.2	1368.6	6.79	-108.5	28.3	
Parameters stabilized, sample collected.							

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

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: clear Odor: mud Fine black particulates observed.

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-33B	Date: 6/3/2025
Gradient: Down	Sampler: Michael Morgan

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

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	57.3
Initial Static Water Level (feet):	9.82
Initial Groundwater Elevation (ft-amsl):	666.38
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING							
FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
2:43 PM	Purging start time.						
2:46 PM	15.6	1.3	934.8	7.47	64.8	6.5	
2:49 PM	15.6	0.9	911.2	7.49	28.9	7.6	
2:52 PM	15.8	0.8	910.2	7.49	28.3	6.5	
2:55 PM	15.7	0.6	909.8	7.48	39.0	7.1	
Parameters stabilized, sample collected.							

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

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: clear Odor: slight earthy smell Ants in the water column.

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-34	Date: 6/3/2025
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):	33.0
Initial Static Water Level (feet):	10.42
Initial Groundwater Elevation (ft-amsl):	663.67
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING							
FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
1:19 PM	Purging start time.						
1:22 PM	15.1	1.7	1283.3	6.69	230.5	4.1	
1:25 PM	14.9	1.0	1290.3	6.67	233.2	3.6	
1:28 PM	14.8	0.7	1293.9	6.65	230.4	3.4	
1:31 PM	14.8	0.6	1298.0	6.64	225.6	3.4	
Parameters stabilized, sample collected.							

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

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: clear Odor: none Ants present while stabilizing and in the sample.

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-35	Date: 6/3/2025
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):	33.0
Initial Static Water Level (feet):	6.44
Initial Groundwater Elevation (ft-amsl):	667.48
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)	
4:16 PM	Purging start time.						
4:19 PM	15.4	1.1	1553.8	6.79	-90.4	6.9	
4:22 PM	15.3	0.6	1572.6	6.82	-120.6	6.3	
4:25 PM	15.2	0.5	1583.8	6.82	-131.6	6.1	
4:28 PM	15.3	0.4	1584.7	6.82	-137.5	6.0	
Parameters stabilized, sample collected.							

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

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: clear Odor: slight seaweed Sparse black particulate.

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-36	Date: 6/3/2025
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):	9.0
Initial Static Water Level (feet):	NM
Initial Groundwater Elevation (ft-amsl):	NA
Equipment Used:	

C. WELL PURGING

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

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

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Well depth does not match previous sampling events (32.6 ft). Possible subsurface damage to well. No sample collected.

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-37	Date: 6/3/2025
Gradient: Down	Sampler: Michael Morgan

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

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	28.6
Initial Static Water Level (feet):	7.34
Initial Groundwater Elevation (ft-amsl):	662.39
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)	
4:57 PM	Purging start time.						
5:00 PM	15.9	1.0	2424.0	6.50	1.8	4.9	
5:03 PM	15.9	0.6	2449.4	6.49	-49.9	4.4	
5:06 PM	16.1	0.5	2456.6	6.50	-68.9	4.4	
5:09 PM	16.1	0.5	2459.7	6.50	-78.0	4.3	
Parameters stabilized, sample collected.							

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

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

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-38	Date: 6/3/2025
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):	67.8
Initial Static Water Level (feet):	36.36
Initial Groundwater Elevation (ft-amsl):	671.89
Equipment Used:	Non-Dedicated Submersible

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
8:14 AM	Purging start time.						
8:17 AM	16.8	1.4	821.6	6.90	74.3	18.7	
8:20 AM	16.3	0.9	819.7	6.87	12.2	20.7	
8:23 AM	16.6	0.7	819.1	6.86	-13.6	24.9	
8:26 AM	16.7	0.6	819.7	6.86	-23.9	28.0	
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?	Yes Lock needed
If yes, explain:	
Additional Comments:	Color: clear Odor: slight plastic smell Fine particulate observed.

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-39	Date: 6/2/2025
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):	22.9
Initial Static Water Level (feet):	3.43
Initial Groundwater Elevation (ft-amsl):	660.17
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)	
3:36 PM	Purging start time.						
3:39 PM	16.2	1.0	2545.5	6.30	288.7	45.6	
3:42 PM	15.9	0.7	2561.0	6.30	295.6	25.4	
3:45 PM	15.8	0.5	2558.4	6.31	300.8	29.3	
3:48 PM	15.8	0.4	2574.4	6.32	304.7	14.2	
Parameters stabilized, sample collected.							

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

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: orange tint Odor: very slight chemical Orange flecks/clumps observed while stabilizing.

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-44	Date: 6/2/2025
Gradient: Down	Sampler: Michael Morgan

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

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	28.4
Initial Static Water Level (feet):	14.22
Initial Groundwater Elevation (ft-amsl):	652.47
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING							
FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
5:32 PM	Purging start time.						
5:35 PM	18.7	1.3	1534.0	6.44	-14.2	8.0	
5:38 PM	18.3	0.7	1485.5	6.44	-52.1	6.5	
5:41 PM	18.2	0.6	1472.1	6.43	-66.2	5.9	
5:44 PM	18.1	0.5	1471.0	6.43	-73.9	5.8	
Parameters stabilized, sample collected.							

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

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: clear Odor: slight toast smell

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-45	Date: 6/2/2025
Gradient: Down	Sampler: Michael Morgan

A. MW/PIEZOMETER CONDITIONS	
Well/Piezometer Capped? Yes	
Litter/Standing Water? Yes	Water; low lying area

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	20.5
Initial Static Water Level (feet):	2.45
Initial Groundwater Elevation (ft-amsl):	659.35
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)	
4:42 PM	Purging start time.						
4:45 PM	18.9	1.0	2818.4	6.73	319.6	6.8	
4:48 PM	17.8	0.6	2805.7	6.75	314.8	4.2	
4:51 PM	17.6	0.5	2802.0	6.75	310.7	4.3	
4:54 PM	17.2	0.4	2802.8	6.75	307.4	4.4	
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:	Bottom of well casing starting to become extremely rusted.
Additional Comments:	Color: clear Odor: none

FORM FOR GROUNDWATER SAMPLING

[illegible]

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-47	Date: 6/2/2025
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):	18.5
Initial Static Water Level (feet):	16.03
Initial Groundwater Elevation (ft-amsl):	678.98
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING							
FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
6:27 PM	Purging start time.						
6:30 PM	17.1	7.9	844.9	7.06	168.5	8.4	
6:33 PM	16.7	8.2	799.7	7.10	165.1	9.0	
6:36 PM	16.7	8.2	778.0	7.09	172.9	11.6	
6:39 PM	17.3	8.1	764.2	7.08	182.4	11.9	
Parameters stabilized, sample collected.							

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

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: clear Odor: damp drain smell

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: OP-17	Date: 6/4/2025
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):	43.8
Initial Static Water Level (feet):	35.91
Initial Groundwater Elevation (ft-amsl):	672.02
Equipment Used:	Non-Dedicated Submersible

C. WELL PURGING							
FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
5:55 PM	Purging start time.						
5:58 PM	18.0	2.0	2536.5	6.38	-1.1	78.0	
6:01 PM	16.6	0.8	2554.4	6.35	-30.6	92.9	
6:04 PM	17.0	0.5	2557.8	6.35	-43.0	85.1	
6:07 PM	17.0	0.5	2551.3	6.35	-49.1	63.8	
Parameters stabilized, sample collected.							

Quantity of Water Removed from Well (liters):	3.9
Was well pumped/bailed dry?	No
Total Amount of Time Purged (minutes:seconds):	12:00
Average Purge Rate (mL/min):	325.00

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Color: cloudy grey, became clearer over time. Odor: slight ocean Unable to draw up water using the dedicated submersible pump. Used non-dedicated submersible pump.

FORM FOR GROUNDWATER SAMPLING

Project:	Scott County Landfill		
Monitoring Well/Piezometer ID:	OP-18	Date:	6/4/2025
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):	27.39
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 (NTU)	
	Purging start time.						
	Parameters stabilized, sample collected.						

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

D. WELL MAINTENANCE	
Does the well require any future maintenance?	No
If yes, explain:	
Additional Comments:	Top of pump = 30.94 ft Initial static water level = 27.39 ft Unable to draw up water using the dedicated pump controller, pump appeared to be working. Unable to remove well head to use non-dedicated submersible pump.

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-49	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):	37.6
Initial Static Water Level (feet):	Dry
Initial Groundwater Elevation (ft-amsl):	NA
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)	
	Purging start time.						
	Parameters stabilized, sample collected.						

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

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

FORM FOR GROUNDWATER SAMPLING

[illegible]

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: LHW-4	Date: 12/10/2025
Gradient: Down	Sampler: Garrett Horak

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped?	Yes	
Litter/Standing Water?	No	

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

Measured Well Total Depth (feet):	21.5
Initial Static Water Level (feet):	Dry
Initial Groundwater Elevation (ft-amsl):	NA
Equipment Used:	

C. WELL PURGING

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

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

D. WELL MAINTENANCE

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

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-17	Date: 12/3/2025
Gradient: Down	Sampler: Michael Morgan

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

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	55.1
Initial Static Water Level (feet):	20.82
Initial Groundwater Elevation (ft-amsl):	668.67
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)	
3:43 PM	Purging start time.						
3:46 PM	10.7	3.9	1244.9	7.14	143.4	6.0	
3:49 PM	10.8	3.4	1243.1	7.14	145.7	4.8	
3:52 PM	10.5	3.3	1238.2	7.13	148.8	2.3	
3:55 PM	10.8	3.3	1232.2	7.12	151.6	2.1	
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:	Well lid won't close.
Additional Comments:	Color: clear Odor: none

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-18R	Date: 12/9/2025
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):	64.6
Initial Static Water Level (feet):	16.30
Initial Groundwater Elevation (ft-amsl):	657.81
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
11:05 AM	Purging start time.						
11:08 AM	13.6	1.4	845.6	7.24	211.0	38.8	
11:11 AM	13.6	0.9	840.0	7.21	222.1	59.4	
11:14 AM	13.3	0.7	826.1	7.26	213.7	110.6	
11:17 AM	13.6	0.7	817.8	7.31	192.3	68.0	
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: clear Odor: none

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-19	Date: 12/3/2025
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):	36.9
Initial Static Water Level (feet):	16.05
Initial Groundwater Elevation (ft-amsl):	663.56
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
4:30 PM	Purging start time.						
4:33 PM	10.5	2.7	1206.5	6.85	-82.3	2.2	
4:36 PM	10.4	1.5	1226.1	6.81	-73.6	2.0	
4:39 PM	10.4	1.0	1219.2	6.80	-71.7	2.0	
4:42 PM	10.7	0.8	1225.9	6.79	-71.7	1.8	
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?	Yes
If yes, explain:	Well lid won't close. Cutting a few inches off the top of the well is needed so lid isn't impeded.
Additional Comments:	Color: clear Odor: slight plastic

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill							
Monitoring Well/Piezometer ID: MW-27				Date: 12/10/2025			
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):				35.0			
Initial Static Water Level (feet):				9.29			
Initial Groundwater Elevation (ft-amsl):				657.96			
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 (NTU)	
11:56 AM	Purging start time.						
11:59 AM	10.2	2.0	1731.5	6.63	-28.9	7.6	
12:02 PM	10.8	1.0	1693.0	6.51	-19.3	7.7	
12:05 PM	10.7	0.7	1691.7	6.48	-15.6	4.5	
12:08 PM	10.6	0.6	1685.5	6.47	-14.0	2.8	
	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: sulfur						

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-32	Date: 12/3/2025
Gradient: Up	Sampler: Michael Morgan

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

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)	
Measured Well Total Depth (feet):	19.6
Initial Static Water Level (feet):	18.88
Initial Groundwater Elevation (ft-amsl):	682.35
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

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

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

D. WELL MAINTENANCE

Does the well require any future maintenance? Yes Lock needed	
If yes, explain:	
Additional Comments:	Initial static water level of 18.88 ft. Attempted to pump, but insufficient water available.

FORM FOR GROUNDWATER SAMPLING

[illegible]

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-34	Date: 12/5/2025
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):	33.1
Initial Static Water Level (feet):	13.71
Initial Groundwater Elevation (ft-amsl):	660.38
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
12:43 PM	Purging start time.						
12:46 PM	11.7	1.6	1415.2	6.82	-82.3	1.5	
12:49 PM	12.1	0.8	1331.8	6.77	-77.6	0.6	
12:52 PM	12.1	0.6	1314.0	6.75	-73.9	0.7	
12:55 PM	12.3	0.5	1309.7	6.73	-70.8	0.5	
Parameters stabilized, sample collected.							

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

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

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-35	Date: 12/9/2025
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):	38.0
Initial Static Water Level (feet):	12.00
Initial Groundwater Elevation (ft-amsl):	661.92
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
12:00 PM	Purging start time.						
12:03 PM	12.6	1.3	1471.2	6.88	0.0	13.5	
12:06 PM	12.4	0.8	1458.5	6.84	-54.3	11.7	
12:09 PM	12.7	0.6	1458.0	6.83	-72.6	11.9	
12:12 PM	12.7	0.5	1458.4	6.83	-83.4	14.7	
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: sulfur

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-36	Date: 12/5/2025
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):	32.5
Initial Static Water Level (feet):	32.50
Initial Groundwater Elevation (ft-amsl):	650.00
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
11:02 AM	Purging start time.						
11:05 AM	10.6	1.6	3892.9	6.81	112.2	4.5	
11:08 AM	10.8	0.8	3895.0	6.76	115.9	4.4	
11:11 AM	11.1	0.6	3893.0	6.76	107.8	1.8	
11:14 AM	11.4	0.5	3896.6	6.76	92.3	1.2	
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, with black flakes Odor: sulfur

FORM FOR GROUNDWATER SAMPLING

[illegible]

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-39	Date: 12/9/2025
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):	22.8
Initial Static Water Level (feet):	7.65
Initial Groundwater Elevation (ft-amsl):	655.95
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
2:41 PM	Purging start time.						
2:44 PM	12.9	1.7	2566.5	6.53	107.4	7.2	
2:47 PM	13.3	0.9	2638.7	6.43	93.8	5.1	
2:50 PM	13.3	0.6	2670.2	6.41	84.9	6.4	
2:53 PM	13.2	0.5	2693.8	6.39	79.3	5.4	
Parameters stabilized, sample collected.							

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

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

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-44	Date: 12/9/2025
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):	38.0
Initial Static Water Level (feet):	12.00
Initial Groundwater Elevation (ft-amsl):	654.69
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
2:09 PM	Purging start time.						
2:12 PM	10.9	1.7	1750.1	6.67	10.5	4.4	
2:15 PM	12.3	1.0	1564.0	6.50	11.1	2.7	
2:18 PM	12.4	0.7	1464.2	6.45	10.0	2.3	
2:21 PM	12.7	0.5	1435.4	6.44	7.8	2.2	
Parameters stabilized, sample collected.							

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

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

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-45	Date: 12/10/2025
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):	20.5
Initial Static Water Level (feet):	5.98
Initial Groundwater Elevation (ft-amsl):	655.82
Equipment Used:	Dedicated Tubing – Peristaltic Pump

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES							
Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Specific Conductance (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	
1:27 PM	Purging start time.						
1:30 PM	10.1	1.9	2479.3	6.68	0.7	2.7	
1:33 PM	10.3	0.9	2660.1	6.75	-10.1	2.0	
1:36 PM	10.5	0.7	2717.9	6.76	-13.2	3.0	
1:39 PM	10.9	0.5	2750.5	6.76	-14.2	5.8	
Parameters stabilized, sample collected.							

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

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

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-49	Date: 12/10/2025
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):	36.9
Initial Static Water Level (feet):	Dry
Initial Groundwater Elevation (ft-amsl):	NA
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)	
	Purging start time.						
	Parameters stabilized, sample collected.						

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

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

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: MW-50	Date: 12/9/2025
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):	37.0
Initial Static Water Level (feet):	Dry
Initial Groundwater Elevation (ft-amsl):	NA
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)	
	Purging start time.						
	Parameters stabilized, sample collected.						

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

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

FORM FOR GROUNDWATER SAMPLING

Project: Scott County Landfill	
Monitoring Well/Piezometer ID: OP-17	Date: 12/10/2025
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):	53.6
Initial Static Water Level (feet):	39.10
Initial Groundwater Elevation (ft-amsl):	668.83
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)	
10:46 AM	Purging start time.						
10:49 AM	13.7	1.1	2452.7	6.64	104.7	74.6	
10:52 AM	12.8	0.7	2427.7	6.52	59.7	62.8	
10:55 AM	13.9	0.5	2416.9	6.48	34.6	49.0	
10:58 AM	13.6	0.4	2418.3	6.47	19.1	32.4	
Parameters stabilized, sample collected.							

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

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

Appendix B-1
Laboratory Analytical Data Sheets

ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/5/2025 10:06:03 AM Revision 1

JOB DESCRIPTION

SCL 1st 2025 HMSP

JOB NUMBER

310-308067-1

Eurofins Cedar Falls

Job Notes

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

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

Authorization



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

Generated
9/5/2025 10:06:03 AM
Revision 1



Table of Contents

Cover Page 1

Table of Contents 3

Case Narrative 4

Sample Summary 6

Detection Summary 7

Client Sample Results 10

Definitions 38

Surrogate Summary 39

QC Sample Results 41

QC Association 62

Chronicle 67

Certification Summary 71

Method Summary 73

Chain of Custody 74

Receipt Checklists 80

Case Narrative

Client: SCS Engineers
Project: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Job ID: 310-308067-1

Eurofins Cedar Falls

Job Narrative 310-308067-1

REVISION

The report being provided is a revision of the original report sent on 6/20/2025. The report (revision 1) is being revised due to Added Manganese to list of metals for MW-27.

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 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 temperatures of the 3 coolers at receipt time were 1.9°C, 1.9°C and 2.3°C.

GC/MS VOA

Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container: Trip Blank (310-308067-10).

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

Method 8151A: The laboratory control sample (LCS) for preparation batch 410-656257 and analytical batch 410-656445 recovered outside control limits for the following analytes: Silvex (2,4,5-TP). The samples cannot be re-extracted within the method required holding time, therefore the client was contacted and the data reported. MW-28 (310-308067-7) and OP-17 (310-308067-8)

Method 8151A: Surrogate recovery for the following sample was outside the upper control limit: OP-17 (310-308067-8). This

Eurofins Cedar Falls

Case Narrative

Client: SCS Engineers
Project: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Job ID: 310-308067-1 (Continued)

Eurofins Cedar Falls

sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

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.

HPLC/IC

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

Metals

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

General Chemistry

Method 9012B: The reference method requires samples to be preserved to a pH of >12. The following sample was received with insufficient preservation at a pH of <12: MW-28 (310-308067-7). The sample(s) was preserved to the appropriate pH in the laboratory.

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

Eurofins Cedar Falls

Sample Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-308067-1	MW-17	Groundwater	06/04/25 19:21	06/06/25 08:20	Iowa
310-308067-2	MW-19	Groundwater	06/04/25 08:52	06/06/25 08:20	Iowa
310-308067-3	MW-20	Groundwater	06/04/25 10:00	06/06/25 08:20	Iowa
310-308067-4	MW-21	Groundwater	06/04/25 11:56	06/06/25 08:20	Iowa
310-308067-5	MW-22	Groundwater	06/04/25 14:11	06/06/25 08:20	Iowa
310-308067-6	MW-27	Groundwater	06/04/25 10:55	06/06/25 08:20	Iowa
310-308067-7	MW-28	Groundwater	06/04/25 12:54	06/06/25 08:20	Iowa
310-308067-8	OP-17	Groundwater	06/04/25 18:07	06/06/25 08:20	Iowa
310-308067-9	MW-DC	Groundwater	06/04/25 10:15	06/06/25 08:20	Iowa
310-308067-10	Trip Blank	Water	06/04/25 00:00	06/06/25 08:20	Iowa
310-308067-11	Trip Blank	Water	06/04/25 00:00	06/06/25 08:20	Iowa
310-308067-12	Trip Blank	Water	06/04/25 00:00	06/06/25 08:20	Iowa

Detection Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-17

Lab Sample ID: 310-308067-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.12		1.00	0.220	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	6.39		1.00	0.210	ug/L	1		8260D	Total/NA
Arsenic	0.00110	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.419		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000553		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	11.0		7.50	5.25	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-19

Lab Sample ID: 310-308067-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	0.260	J	1.00	0.230	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	1.42		1.00	0.210	ug/L	1		8260D	Total/NA
Chloride	36.2		20.0	9.00	mg/L	20		9056A	Total/NA
Sulfate	172		20.0	8.40	mg/L	20		9056A	Total/NA
Arsenic	0.0241		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.164		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00596		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00257	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Sodium	35.2		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	1.72		0.500	0.170	mg/L	1		6020B	Total/NA
Calcium	171		0.500	0.190	mg/L	1		6020B	Total/NA
Iron	8.55		0.100	0.0500	mg/L	1		6020B	Total/NA
Magnesium	80.6		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	4.20		0.0100	0.00360	mg/L	1		6020B	Total/NA
Ammonia as N	0.561		0.500	0.210	mg/L	1		350.1	Total/NA
Total Suspended Solids	20.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	620		5.00	2.50	mg/L	1		SM 2320B	Total/NA
Total Organic Carbon	3.40		1.00	0.500	mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-20

Lab Sample ID: 310-308067-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.301		0.00200	0.000660	mg/L	1		6020B	Total/NA

Client Sample ID: MW-21

Lab Sample ID: 310-308067-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00148	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.177		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000975		0.000500	0.000170	mg/L	1		6020B	Total/NA
Zinc	0.0305		0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	209		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-22

Lab Sample ID: 310-308067-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0526		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000421	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000553		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.00385	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.63		1.88	1.31	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-27

Lab Sample ID: 310-308067-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.12		1.00	0.220	ug/L	1		8260D	Total/NA
1,2-Dichloropropane	0.374	J	1.00	0.270	ug/L	1		8260D	Total/NA
Acetone	13.0		10.0	3.10	ug/L	1		8260D	Total/NA
Benzene	0.946		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	2.08		1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	26.4		1.00	0.210	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.292	J	1.00	0.270	ug/L	1		8260D	Total/NA
Chloride	13.4		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	216		20.0	8.40	mg/L	20		9056A	Total/NA
Arsenic	0.00665		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.172		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00892		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00506		0.00500	0.00230	mg/L	1		6020B	Total/NA
Sodium	25.7		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	1.46		0.500	0.170	mg/L	1		6020B	Total/NA
Calcium	297		0.500	0.190	mg/L	1		6020B	Total/NA
Iron	15.4		0.100	0.0500	mg/L	1		6020B	Total/NA
Magnesium	135		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	3.81		0.0100	0.00360	mg/L	1		6020B	Total/NA
Ammonia as N	1.03		0.500	0.210	mg/L	1		350.1	Total/NA
Total Suspended Solids	31.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	1030		5.00	2.50	mg/L	1		SM 2320B	Total/NA
Total Organic Carbon	6.32		1.00	0.500	mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-28

Lab Sample ID: 310-308067-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.188		0.00200	0.000660	mg/L	1		6020B	Total/NA
Selenium	0.00148	J	0.00500	0.00140	mg/L	1		6020B	Total/NA

Client Sample ID: OP-17

Lab Sample ID: 310-308067-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	6.72		1.00	0.370	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	9.42		1.00	0.230	ug/L	1		8260D	Total/NA
2-Butanone (MEK)	2.18	J	10.0	2.10	ug/L	1		8260D	Total/NA
Acetone	9.62	J	10.0	3.10	ug/L	1		8260D	Total/NA
Benzene	1.45		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	29.4		1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.279	J	1.00	0.210	ug/L	1		8260D	Total/NA
Chloride	256		20.0	9.00	mg/L	20		9056A	Total/NA
Sulfate	219		20.0	8.40	mg/L	20		9056A	Total/NA
Arsenic	0.0121		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.366		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000221		0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.0120		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.0118		0.00500	0.00320	mg/L	1		6020B	Total/NA
Lead	0.00215		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.0242		0.00500	0.00230	mg/L	1		6020B	Total/NA
Zinc	0.0155	J	0.0200	0.0130	mg/L	1		6020B	Total/NA
Sodium	199		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	0.572		0.500	0.170	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: OP-17 (Continued)

Lab Sample ID: 310-308067-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	266		0.500	0.190	mg/L	1		6020B	Total/NA
Iron	60.2		0.100	0.0500	mg/L	1		6020B	Total/NA
Magnesium	139		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	3.37		0.0100	0.00360	mg/L	1		6020B	Total/NA
Total Suspended Solids	110		30.0	21.0	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	975		5.00	2.50	mg/L	1		SM 2320B	Total/NA
Total Organic Carbon	7.06		1.00	0.500	mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-DC

Lab Sample ID: 310-308067-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.302		0.00200	0.000660	mg/L	1		6020B	Total/NA
Lead	0.00127		0.000500	0.000330	mg/L	1		6020B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 310-308067-10

No Detections.

Client Sample ID: Trip Blank

Lab Sample ID: 310-308067-11

No Detections.

Client Sample ID: Trip Blank

Lab Sample ID: 310-308067-12

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-17

Lab Sample ID: 310-308067-1

Date Collected: 06/04/25 19:21

Matrix: Groundwater

Date Received: 06/06/25 08:20

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 14:34	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 14:34	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 14:34	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 14:34	1
1,1-Dichloroethane	2.12		1.00	0.220	ug/L			06/10/25 14:34	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 14:34	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 14:34	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 14:34	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 14:34	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 14:34	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 14:34	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 14:34	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 14:34	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 14:34	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 14:34	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 14:34	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 14:34	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 14:34	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 14:34	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 14:34	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 14:34	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 14:34	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 14:34	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 14:34	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 14:34	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 14:34	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 14:34	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 14:34	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 14:34	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 14:34	1
cis-1,2-Dichloroethene	6.39		1.00	0.210	ug/L			06/10/25 14:34	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 14:34	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 14:34	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 14:34	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 14:34	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 14:34	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 14:34	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 14:34	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 14:34	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 14:34	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 14:34	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 14:34	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 14:34	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 14:34	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 14:34	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 14:34	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	112		76 - 130		06/10/25 14:34	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-17

Date Collected: 06/04/25 19:21

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-1

Matrix: Groundwater

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 14:34	1
4-Bromofluorobenzene (Surr)	102		80 - 120		06/10/25 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00110	J	0.00200	0.000530	mg/L		06/10/25 09:00	06/18/25 13:32	1
Barium	0.419		0.00200	0.000660	mg/L		06/10/25 09:00	06/18/25 13:32	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/10/25 09:00	06/18/25 13:32	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/10/25 09:00	06/18/25 13:32	1
Cobalt	0.000553		0.000500	0.000170	mg/L		06/10/25 09:00	06/18/25 13:32	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/10/25 09:00	06/18/25 13:32	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/10/25 09:00	06/18/25 13:32	1
Nickel	<0.00500		0.00500	0.00230	mg/L		06/10/25 09:00	06/18/25 13:32	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/10/25 09:00	06/18/25 13:32	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/10/25 09:00	06/18/25 13:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	11.0		7.50	5.25	mg/L			06/06/25 15:25	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-19

Lab Sample ID: 310-308067-2

Date Collected: 06/04/25 08:52

Matrix: Groundwater

Date Received: 06/06/25 08:20

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 14:57	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 14:57	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 14:57	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 14:57	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 14:57	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 14:57	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 14:57	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 14:57	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 14:57	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 14:57	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 14:57	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 14:57	1
1,4-Dichlorobenzene	0.260	J	1.00	0.230	ug/L			06/10/25 14:57	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 14:57	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 14:57	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 14:57	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 14:57	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 14:57	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 14:57	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 14:57	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 14:57	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 14:57	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 14:57	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 14:57	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 14:57	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 14:57	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 14:57	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 14:57	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 14:57	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 14:57	1
cis-1,2-Dichloroethene	1.42		1.00	0.210	ug/L			06/10/25 14:57	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 14:57	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 14:57	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 14:57	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 14:57	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 14:57	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 14:57	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 14:57	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 14:57	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 14:57	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 14:57	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 14:57	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 14:57	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 14:57	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 14:57	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 14:57	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	113		76 - 130		06/10/25 14:57	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-19

Date Collected: 06/04/25 08:52

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-2

Matrix: Groundwater

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 14:57	1
4-Bromofluorobenzene (Surr)	101		80 - 120		06/10/25 14:57	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	<0.0900		0.0900	0.0288	ug/L		06/11/25 12:22	06/12/25 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	63		10 - 150				06/11/25 12:22	06/12/25 15:19	1
Tetrachloro-m-xylene (Surr)	92		17 - 150				06/11/25 12:22	06/12/25 15:19	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.2		20.0	9.00	mg/L			06/13/25 12:46	20
Sulfate	172		20.0	8.40	mg/L			06/13/25 12:46	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0241		0.00200	0.000530	mg/L		06/10/25 09:00	06/18/25 13:38	1
Barium	0.164		0.00200	0.000660	mg/L		06/10/25 09:00	06/18/25 13:38	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/10/25 09:00	06/18/25 13:38	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/10/25 09:00	06/18/25 13:38	1
Cobalt	0.00596		0.000500	0.000170	mg/L		06/10/25 09:00	06/18/25 13:38	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/10/25 09:00	06/18/25 13:38	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/10/25 09:00	06/18/25 13:38	1
Nickel	0.00257 J		0.00500	0.00230	mg/L		06/10/25 09:00	06/18/25 13:38	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/10/25 09:00	06/18/25 13:38	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/10/25 09:00	06/18/25 13:38	1
Sodium	35.2		1.00	0.650	mg/L		06/10/25 09:00	06/18/25 13:38	1
Potassium	1.72		0.500	0.170	mg/L		06/10/25 09:00	06/18/25 13:38	1
Calcium	171		0.500	0.190	mg/L		06/10/25 09:00	06/18/25 13:38	1
Iron	8.55		0.100	0.0500	mg/L		06/10/25 09:00	06/18/25 13:38	1
Magnesium	80.6		0.500	0.150	mg/L		06/10/25 09:00	06/18/25 13:38	1
Manganese	4.20		0.0100	0.00360	mg/L		06/10/25 09:00	06/18/25 13:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	0.561		0.500	0.210	mg/L		06/10/25 08:59	06/11/25 10:59	1
Nitrate as N (EPA 353.2)	<0.100		0.100	0.0800	mg/L			06/12/25 01:53	1
Total Suspended Solids (USGS I-3765-85)	20.0		15.0	10.5	mg/L			06/06/25 15:25	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	620		5.00	2.50	mg/L			06/09/25 16:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/09/25 16:31	1
Total Organic Carbon (SM 5310C)	3.40		1.00	0.500	mg/L			06/12/25 20:56	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-20

Lab Sample ID: 310-308067-3

Date Collected: 06/04/25 10:00

Matrix: Groundwater

Date Received: 06/06/25 08:20

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		06/10/25 09:00	06/18/25 13:41	1
Barium	0.301		0.00200	0.000660	mg/L		06/10/25 09:00	06/18/25 13:41	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/10/25 09:00	06/18/25 13:41	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/10/25 09:00	06/18/25 13:41	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		06/10/25 09:00	06/18/25 13:41	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/10/25 09:00	06/18/25 13:41	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/10/25 09:00	06/18/25 13:41	1
Nickel	<0.00500		0.00500	0.00230	mg/L		06/10/25 09:00	06/18/25 13:41	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/10/25 09:00	06/18/25 13:41	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/10/25 09:00	06/18/25 13:41	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			06/06/25 15:25	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-21

Lab Sample ID: 310-308067-4

Date Collected: 06/04/25 11:56

Matrix: Groundwater

Date Received: 06/06/25 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00148	J	0.00200	0.000530	mg/L	—	06/10/25 09:00	06/18/25 13:50	1
Barium	0.177		0.00200	0.000660	mg/L	—	06/10/25 09:00	06/18/25 13:50	1
Beryllium	<0.00100		0.00100	0.000330	mg/L	—	06/10/25 09:00	06/18/25 13:50	1
Cadmium	<0.000200		0.000200	0.000100	mg/L	—	06/10/25 09:00	06/18/25 13:50	1
Cobalt	0.000975		0.000500	0.000170	mg/L	—	06/10/25 09:00	06/18/25 13:50	1
Copper	<0.00500		0.00500	0.00320	mg/L	—	06/10/25 09:00	06/18/25 13:50	1
Lead	<0.000500		0.000500	0.000330	mg/L	—	06/10/25 09:00	06/18/25 13:50	1
Nickel	<0.00500		0.00500	0.00230	mg/L	—	06/10/25 09:00	06/18/25 13:50	1
Vanadium	<0.00500		0.00500	0.00170	mg/L	—	06/10/25 09:00	06/18/25 13:50	1
Zinc	0.0305		0.0200	0.0130	mg/L	—	06/10/25 09:00	06/18/25 13:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	209		15.0	10.5	mg/L	—		06/06/25 15:25	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-22

Lab Sample ID: 310-308067-5

Date Collected: 06/04/25 14:11

Matrix: Groundwater

Date Received: 06/06/25 08:20

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		06/10/25 09:00	06/18/25 13:53	1
Barium	0.0526		0.00200	0.000660	mg/L		06/10/25 09:00	06/18/25 13:53	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/10/25 09:00	06/18/25 13:53	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/10/25 09:00	06/18/25 13:53	1
Cobalt	0.000421	J	0.000500	0.000170	mg/L		06/10/25 09:00	06/18/25 13:53	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/10/25 09:00	06/18/25 13:53	1
Lead	0.000553		0.000500	0.000330	mg/L		06/10/25 09:00	06/18/25 13:53	1
Nickel	0.00385	J	0.00500	0.00230	mg/L		06/10/25 09:00	06/18/25 13:53	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/10/25 09:00	06/18/25 13:53	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/10/25 09:00	06/18/25 13:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	2.63		1.88	1.31	mg/L			06/06/25 15:25	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-27

Date Collected: 06/04/25 10:55

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-6

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 15:19	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 15:19	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 15:19	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 15:19	1
1,1-Dichloroethane	2.12		1.00	0.220	ug/L			06/10/25 15:19	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 15:19	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 15:19	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 15:19	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 15:19	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 15:19	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 15:19	1
1,2-Dichloropropane	0.374	J	1.00	0.270	ug/L			06/10/25 15:19	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 15:19	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 15:19	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 15:19	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 15:19	1
Acetone	13.0		10.0	3.10	ug/L			06/10/25 15:19	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 15:19	1
Benzene	0.946		0.500	0.220	ug/L			06/10/25 15:19	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 15:19	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 15:19	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 15:19	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 15:19	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 15:19	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 15:19	1
Chlorobenzene	2.08		1.00	0.400	ug/L			06/10/25 15:19	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 15:19	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 15:19	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 15:19	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 15:19	1
cis-1,2-Dichloroethene	26.4		1.00	0.210	ug/L			06/10/25 15:19	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 15:19	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 15:19	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 15:19	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 15:19	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 15:19	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 15:19	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 15:19	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 15:19	1
trans-1,2-Dichloroethene	0.292	J	1.00	0.270	ug/L			06/10/25 15:19	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 15:19	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 15:19	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 15:19	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 15:19	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 15:19	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 15:19	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 15:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	114		76 - 130		06/10/25 15:19	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-27

Date Collected: 06/04/25 10:55

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-6

Matrix: Groundwater

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 15:19	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/10/25 15:19	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.4		5.00	2.25	mg/L			06/16/25 11:41	5
Sulfate	216		20.0	8.40	mg/L			06/13/25 12:58	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00665		0.00200	0.000530	mg/L		06/10/25 09:00	06/18/25 13:56	1
Barium	0.172		0.00200	0.000660	mg/L		06/10/25 09:00	06/18/25 13:56	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/10/25 09:00	06/18/25 13:56	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/10/25 09:00	06/18/25 13:56	1
Cobalt	0.00892		0.000500	0.000170	mg/L		06/10/25 09:00	06/18/25 13:56	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/10/25 09:00	06/18/25 13:56	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/10/25 09:00	06/18/25 13:56	1
Nickel	0.00506		0.00500	0.00230	mg/L		06/10/25 09:00	06/18/25 13:56	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/10/25 09:00	06/18/25 13:56	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/10/25 09:00	06/18/25 13:56	1
Sodium	25.7		1.00	0.650	mg/L		06/10/25 09:00	06/18/25 13:56	1
Potassium	1.46		0.500	0.170	mg/L		06/10/25 09:00	06/18/25 13:56	1
Calcium	297		0.500	0.190	mg/L		06/10/25 09:00	06/18/25 13:56	1
Iron	15.4		0.100	0.0500	mg/L		06/10/25 09:00	06/18/25 13:56	1
Magnesium	135		2.00	0.600	mg/L		06/10/25 09:00	06/19/25 12:06	4
Manganese	3.81		0.0100	0.00360	mg/L		06/10/25 09:00	06/18/25 13:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	1.03		0.500	0.210	mg/L		06/10/25 08:59	06/11/25 10:57	1
Nitrate as N (EPA 353.2)	<0.100		0.100	0.0800	mg/L			06/12/25 01:58	1
Total Suspended Solids (USGS I-3765-85)	31.0		15.0	10.5	mg/L			06/06/25 15:25	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	1030		5.00	2.50	mg/L			06/09/25 16:45	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/09/25 16:45	1
Total Organic Carbon (SM 5310C)	6.32		1.00	0.500	mg/L			06/12/25 21:32	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-28

Date Collected: 06/04/25 12:54

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-7

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 15:42	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 15:42	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 15:42	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 15:42	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 15:42	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 15:42	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			06/10/25 15:42	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 15:42	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			06/10/25 15:42	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 15:42	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 15:42	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 15:42	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 15:42	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 15:42	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			06/10/25 15:42	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			06/10/25 15:42	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 15:42	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			06/10/25 15:42	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 15:42	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 15:42	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 15:42	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 15:42	1
Acrolein	<10.0		10.0	3.60	ug/L			06/10/25 15:42	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 15:42	1
Allyl chloride	<2.00		2.00	0.700	ug/L			06/10/25 15:42	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 15:42	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 15:42	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 15:42	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 15:42	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 15:42	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 15:42	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 15:42	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 15:42	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 15:42	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 15:42	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 15:42	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 15:42	1
Chloroprene	<1.00		1.00	0.230	ug/L			06/10/25 15:42	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 15:42	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 15:42	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 15:42	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			06/10/25 15:42	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			06/10/25 15:42	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 15:42	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 15:42	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			06/10/25 15:42	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			06/10/25 15:42	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 15:42	1
Naphthalene	<5.00		5.00	3.00	ug/L			06/10/25 15:42	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-28

Date Collected: 06/04/25 12:54

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-7

Matrix: Groundwater

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 15:42	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 15:42	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 15:42	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 15:42	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 15:42	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 15:42	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 15:42	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 15:42	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 15:42	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 15:42	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 15:42	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	113		76 - 130		06/10/25 15:42	1
Toluene-d8 (Surr)	92		80 - 120		06/10/25 15:42	1
4-Bromofluorobenzene (Surr)	100		80 - 120		06/10/25 15:42	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	<10.2		10.2	0.551	ug/L		06/11/25 12:12	06/18/25 20:36	1
1,3,5-Trinitrobenzene	<10.2		10.2	2.35	ug/L		06/11/25 12:12	06/18/25 20:36	1
1,3-Dinitrobenzene	<10.2		10.2	3.27	ug/L		06/11/25 12:12	06/18/25 20:36	1
1,4-Naphthoquinone	<10.2		10.2	3.67	ug/L		06/11/25 12:12	06/18/25 20:36	1
1,4-Phenylenediamine	<10.2	*	10.2	1.94	ug/L		06/11/25 12:12	06/18/25 20:36	1
1-Naphthylamine	<10.2	*1	10.2	2.55	ug/L		06/11/25 12:12	06/18/25 20:36	1
2,3,4,6-Tetrachlorophenol	<10.2		10.2	5.41	ug/L		06/11/25 12:12	06/18/25 20:36	1
2,4,5-Trichlorophenol	<10.2		10.2	5.41	ug/L		06/11/25 12:12	06/18/25 20:36	1
2,4,6-Trichlorophenol	<10.2		10.2	5.10	ug/L		06/11/25 12:12	06/18/25 20:36	1
2,4-Dichlorophenol	<10.2		10.2	0.867	ug/L		06/11/25 12:12	06/18/25 20:36	1
2,4-Dimethylphenol	<10.2		10.2	0.592	ug/L		06/11/25 12:12	06/18/25 20:36	1
2,4-Dinitrophenol	<20.4		20.4	13.3	ug/L		06/11/25 12:12	06/18/25 20:36	1
2,4-Dinitrotoluene	<10.2		10.2	6.53	ug/L		06/11/25 12:12	06/18/25 20:36	1
2,6-Dichlorophenol	<10.2		10.2	0.704	ug/L		06/11/25 12:12	06/18/25 20:36	1
2,6-Dinitrotoluene	<10.2		10.2	0.531	ug/L		06/11/25 12:12	06/18/25 20:36	1
2-Acetylaminofluorene	<10.2		10.2	2.76	ug/L		06/11/25 12:12	06/18/25 20:36	1
2-Chloronaphthalene	<10.2		10.2	0.653	ug/L		06/11/25 12:12	06/18/25 20:36	1
2-Chlorophenol	<10.2		10.2	0.551	ug/L		06/11/25 12:12	06/18/25 20:36	1
2-Methylnaphthalene	<10.2		10.2	0.602	ug/L		06/11/25 12:12	06/18/25 20:36	1
2-Methylphenol	<10.2		10.2	0.663	ug/L		06/11/25 12:12	06/18/25 20:36	1
2-Naphthylamine	<10.2		10.2	2.14	ug/L		06/11/25 12:12	06/18/25 20:36	1
2-Nitroaniline	<10.2		10.2	6.02	ug/L		06/11/25 12:12	06/18/25 20:36	1
2-Nitrophenol	<10.2		10.2	6.94	ug/L		06/11/25 12:12	06/18/25 20:36	1
3,3'-Dichlorobenzidine	<10.2		10.2	1.43	ug/L		06/11/25 12:12	06/18/25 20:36	1
3,3'-Dimethylbenzidine	<10.2	*- *1	10.2	1.53	ug/L		06/11/25 12:12	06/18/25 20:36	1
3-Methylcholanthrene	<10.2		10.2	0.327	ug/L		06/11/25 12:12	06/18/25 20:36	1
3-Nitroaniline	<10.2		10.2	2.76	ug/L		06/11/25 12:12	06/18/25 20:36	1
4,6-Dinitro-2-methylphenol	<10.2		10.2	7.04	ug/L		06/11/25 12:12	06/18/25 20:36	1
4-Aminobiphenyl	<10.2		10.2	2.24	ug/L		06/11/25 12:12	06/18/25 20:36	1
4-Bromophenyl phenyl ether	<10.2		10.2	0.714	ug/L		06/11/25 12:12	06/18/25 20:36	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-28

Date Collected: 06/04/25 12:54

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-7

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	<10.2		10.2	0.857	ug/L		06/11/25 12:12	06/18/25 20:36	1
4-Chloroaniline	<10.2		10.2	0.633	ug/L		06/11/25 12:12	06/18/25 20:36	1
4-Chlorophenyl phenyl ether	<10.2		10.2	0.704	ug/L		06/11/25 12:12	06/18/25 20:36	1
4-Methylphenol (and/or 3-Methylphenol)	<10.2		10.2	0.714	ug/L		06/11/25 12:12	06/18/25 20:36	1
4-Nitroaniline	<10.2		10.2	1.33	ug/L		06/11/25 12:12	06/18/25 20:36	1
4-Nitrophenol	<10.2		10.2	7.76	ug/L		06/11/25 12:12	06/18/25 20:36	1
5-Nitro-o-toluidine	<10.2		10.2	2.86	ug/L		06/11/25 12:12	06/18/25 20:36	1
7,12-Dimethylbenz(a)anthracene	<10.2		10.2	1.94	ug/L		06/11/25 12:12	06/18/25 20:36	1
Acenaphthene	<10.2		10.2	0.653	ug/L		06/11/25 12:12	06/18/25 20:36	1
Acenaphthylene	<10.2		10.2	0.735	ug/L		06/11/25 12:12	06/18/25 20:36	1
Acetophenone	<10.2		10.2	0.704	ug/L		06/11/25 12:12	06/18/25 20:36	1
Anthracene	<10.2		10.2	0.888	ug/L		06/11/25 12:12	06/18/25 20:36	1
Benzo(a)anthracene	<10.2		10.2	0.867	ug/L		06/11/25 12:12	06/18/25 20:36	1
Benzo(a)pyrene	<10.2		10.2	8.27	ug/L		06/11/25 12:12	06/18/25 20:36	1
Benzo(b)fluoranthene	<10.2		10.2	5.00	ug/L		06/11/25 12:12	06/18/25 20:36	1
Benzo(g,h,i)perylene	<10.2		10.2	6.43	ug/L		06/11/25 12:12	06/18/25 20:36	1
Benzo(k)fluoranthene	<10.2		10.2	2.24	ug/L		06/11/25 12:12	06/18/25 20:36	1
Benzyl alcohol	<10.2		10.2	1.33	ug/L		06/11/25 12:12	06/18/25 20:36	1
Bis(2-chloroethoxy)methane	<10.2		10.2	0.776	ug/L		06/11/25 12:12	06/18/25 20:36	1
Bis(2-chloroethyl)ether	<10.2		10.2	0.837	ug/L		06/11/25 12:12	06/18/25 20:36	1
bis(2-chloroisopropyl) ether	<10.2		10.2	0.551	ug/L		06/11/25 12:12	06/18/25 20:36	1
Bis(2-ethylhexyl) phthalate	<10.2		10.2	5.61	ug/L		06/11/25 12:12	06/18/25 20:36	1
Butyl benzyl phthalate	<10.2		10.2	5.51	ug/L		06/11/25 12:12	06/18/25 20:36	1
Chlorobenzilate	<10.2		10.2	3.67	ug/L		06/11/25 12:12	06/18/25 20:36	1
Chrysene	<10.2		10.2	0.888	ug/L		06/11/25 12:12	06/18/25 20:36	1
Diallate	<10.2		10.2	4.08	ug/L		06/11/25 12:12	06/18/25 20:36	1
Dibenz(a,h)anthracene	<10.2		10.2	3.98	ug/L		06/11/25 12:12	06/18/25 20:36	1
Dibenzofuran	<10.2		10.2	0.755	ug/L		06/11/25 12:12	06/18/25 20:36	1
Diethyl phthalate	<10.2		10.2	1.73	ug/L		06/11/25 12:12	06/18/25 20:36	1
Dimethoate	<10.2		10.2	3.67	ug/L		06/11/25 12:12	06/18/25 20:36	1
Dimethyl phthalate	<10.2		10.2	1.02	ug/L		06/11/25 12:12	06/18/25 20:36	1
Di-n-butyl phthalate	<10.2		10.2	5.71	ug/L		06/11/25 12:12	06/18/25 20:36	1
Di-n-octyl phthalate	<20.4		20.4	7.14	ug/L		06/11/25 12:12	06/18/25 20:36	1
Diphenylamine	<10.2		10.2	6.12	ug/L		06/11/25 12:12	06/18/25 20:36	1
Disulfoton	<10.2		10.2	2.45	ug/L		06/11/25 12:12	06/18/25 20:36	1
Ethyl methanesulfonate	<10.2		10.2	3.67	ug/L		06/11/25 12:12	06/18/25 20:36	1
Ethyl parathion	<10.2		10.2	2.24	ug/L		06/11/25 12:12	06/18/25 20:36	1
Famphur	<10.2	+	10.2	3.88	ug/L		06/11/25 12:12	06/18/25 20:36	1
Fluoranthene	<10.2		10.2	1.73	ug/L		06/11/25 12:12	06/18/25 20:36	1
Fluorene	<10.2		10.2	0.806	ug/L		06/11/25 12:12	06/18/25 20:36	1
Hexachlorobenzene	<10.2		10.2	0.714	ug/L		06/11/25 12:12	06/18/25 20:36	1
Hexachlorobutadiene	<10.2		10.2	0.878	ug/L		06/11/25 12:12	06/18/25 20:36	1
Hexachlorocyclopentadiene	<10.2		10.2	5.20	ug/L		06/11/25 12:12	06/18/25 20:36	1
Hexachloroethane	<10.2		10.2	0.990	ug/L		06/11/25 12:12	06/18/25 20:36	1
Hexachloropropene	<10.2		10.2	2.65	ug/L		06/11/25 12:12	06/18/25 20:36	1
Indeno(1,2,3-cd)pyrene	<10.2		10.2	4.29	ug/L		06/11/25 12:12	06/18/25 20:36	1
Isodrin	<10.2		10.2	4.80	ug/L		06/11/25 12:12	06/18/25 20:36	1
Isophorone	<10.2		10.2	0.949	ug/L		06/11/25 12:12	06/18/25 20:36	1
Isosafrole	<10.2		10.2	2.35	ug/L		06/11/25 12:12	06/18/25 20:36	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-28

Lab Sample ID: 310-308067-7

Date Collected: 06/04/25 12:54

Matrix: Groundwater

Date Received: 06/06/25 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kepone	<10.2		10.2	1.02	ug/L		06/11/25 12:12	06/18/25 20:36	1
Methapyrilene	<10.2	*1	10.2	0.776	ug/L		06/11/25 12:12	06/18/25 20:36	1
Methyl methanesulfonate	<10.2		10.2	3.37	ug/L		06/11/25 12:12	06/18/25 20:36	1
Methyl parathion	<10.2		10.2	2.35	ug/L		06/11/25 12:12	06/18/25 20:36	1
Nitrobenzene	<10.2		10.2	0.816	ug/L		06/11/25 12:12	06/18/25 20:36	1
N-Nitrosodiethylamine	<10.2		10.2	3.47	ug/L		06/11/25 12:12	06/18/25 20:36	1
N-Nitrosodimethylamine	<10.2		10.2	0.735	ug/L		06/11/25 12:12	06/18/25 20:36	1
N-Nitrosodi-n-butylamine	<10.2		10.2	3.98	ug/L		06/11/25 12:12	06/18/25 20:36	1
N-Nitrosodi-n-propylamine	<10.2		10.2	0.939	ug/L		06/11/25 12:12	06/18/25 20:36	1
N-Nitrosodiphenylamine	<10.2		10.2	0.765	ug/L		06/11/25 12:12	06/18/25 20:36	1
N-Nitrosomethylethylamine	<10.2		10.2	5.00	ug/L		06/11/25 12:12	06/18/25 20:36	1
N-Nitrosopiperidine	<10.2		10.2	2.76	ug/L		06/11/25 12:12	06/18/25 20:36	1
N-Nitrosopyrrolidine	<10.2		10.2	3.67	ug/L		06/11/25 12:12	06/18/25 20:36	1
o,o',o"-Triethylphosphorothioate	<10.2		10.2	3.27	ug/L		06/11/25 12:12	06/18/25 20:36	1
o-Toluidine	<10.2		10.2	2.96	ug/L		06/11/25 12:12	06/18/25 20:36	1
p-Dimethylamino azobenzene	<10.2		10.2	2.24	ug/L		06/11/25 12:12	06/18/25 20:36	1
Pentachlorobenzene	<10.2		10.2	2.86	ug/L		06/11/25 12:12	06/18/25 20:36	1
Pentachloronitrobenzene	<10.2		10.2	5.92	ug/L		06/11/25 12:12	06/18/25 20:36	1
Pentachlorophenol	<10.2		10.2	9.80	ug/L		06/11/25 12:12	06/18/25 20:36	1
Phenacetin	<10.2		10.2	1.94	ug/L		06/11/25 12:12	06/18/25 20:36	1
Phenanthrene	<10.2		10.2	0.806	ug/L		06/11/25 12:12	06/18/25 20:36	1
Phenol	<10.2		10.2	1.12	ug/L		06/11/25 12:12	06/18/25 20:36	1
Phorate	<10.2		10.2	3.27	ug/L		06/11/25 12:12	06/18/25 20:36	1
Pronamide	<10.2		10.2	2.76	ug/L		06/11/25 12:12	06/18/25 20:36	1
Pyrene	<10.2		10.2	0.806	ug/L		06/11/25 12:12	06/18/25 20:36	1
Safrole	<10.2		10.2	2.86	ug/L		06/11/25 12:12	06/18/25 20:36	1
Thionazin	<10.2		10.2	3.57	ug/L		06/11/25 12:12	06/18/25 20:36	1
Dinoseb	<10.2		10.2	2.45	ug/L		06/11/25 12:12	06/18/25 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	55		21 - 110	06/11/25 12:12	06/18/25 20:36	1
Phenol-d5 (Surr)	59		21 - 110	06/11/25 12:12	06/18/25 20:36	1
Nitrobenzene-d5 (Surr)	90		39 - 140	06/11/25 12:12	06/18/25 20:36	1
2-Fluorobiphenyl (Surr)	80		33 - 126	06/11/25 12:12	06/18/25 20:36	1
2,4,6-Tribromophenol (Surr)	65		20 - 144	06/11/25 12:12	06/18/25 20:36	1
Terphenyl-d14 (Surr)	104		13 - 150	06/11/25 12:12	06/18/25 20:36	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 17:20	1
Isobutanol	<10.0		10.0	2.40	mg/L			06/11/25 17:20	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0893		0.0893	0.0223	ug/L		06/11/25 12:22	06/12/25 15:32	1
4,4'-DDE	<0.0893		0.0893	0.0268	ug/L		06/11/25 12:22	06/12/25 15:32	1
4,4'-DDT	<0.0893		0.0893	0.0179	ug/L		06/11/25 12:22	06/12/25 15:32	1
Aldrin	<0.0893		0.0893	0.0196	ug/L		06/11/25 12:22	06/12/25 15:32	1
alpha-BHC	<0.0893		0.0893	0.00893	ug/L		06/11/25 12:22	06/12/25 15:32	1
beta-BHC	<0.0893		0.0893	0.0375	ug/L		06/11/25 12:22	06/12/25 15:32	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-28

Date Collected: 06/04/25 12:54

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-7

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.79		1.79	0.348	ug/L		06/11/25 12:22	06/12/25 15:32	1
delta-BHC	<0.0893		0.0893	0.0286	ug/L		06/11/25 12:22	06/12/25 15:32	1
Dieldrin	<0.0893		0.0893	0.0188	ug/L		06/11/25 12:22	06/12/25 15:32	1
Endosulfan I	<0.0893		0.0893	0.0250	ug/L		06/11/25 12:22	06/12/25 15:32	1
Endosulfan II	<0.0893		0.0893	0.0232	ug/L		06/11/25 12:22	06/12/25 15:32	1
Endosulfan sulfate	<0.0893		0.0893	0.0161	ug/L		06/11/25 12:22	06/12/25 15:32	1
Endrin	<0.0893		0.0893	0.0250	ug/L		06/11/25 12:22	06/12/25 15:32	1
Endrin aldehyde	<0.0893		0.0893	0.0241	ug/L		06/11/25 12:22	06/12/25 15:32	1
gamma-BHC (Lindane)	<0.0893		0.0893	0.00893	ug/L		06/11/25 12:22	06/12/25 15:32	1
Heptachlor	<0.0893		0.0893	0.0205	ug/L		06/11/25 12:22	06/12/25 15:32	1
Heptachlor epoxide	<0.0893		0.0893	0.0286	ug/L		06/11/25 12:22	06/12/25 15:32	1
Methoxychlor	<0.0893		0.0893	0.0286	ug/L		06/11/25 12:22	06/12/25 15:32	1
Toxaphene	<1.79		1.79	0.893	ug/L		06/11/25 12:22	06/12/25 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	85		10 - 150	06/11/25 12:22	06/12/25 15:32	1
Tetrachloro-m-xylene (Surr)	86		17 - 150	06/11/25 12:22	06/12/25 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.79		1.79	0.732	ug/L		06/11/25 12:22	06/12/25 15:32	1
PCB-1221	<1.79		1.79	0.732	ug/L		06/11/25 12:22	06/12/25 15:32	1
PCB-1232	<1.79		1.79	0.732	ug/L		06/11/25 12:22	06/12/25 15:32	1
PCB-1242	<1.79		1.79	0.732	ug/L		06/11/25 12:22	06/12/25 15:32	1
PCB-1248	<1.79		1.79	0.616	ug/L		06/11/25 12:22	06/12/25 15:32	1
PCB-1254	<1.79		1.79	0.616	ug/L		06/11/25 12:22	06/12/25 15:32	1
PCB-1260	<1.79		1.79	0.616	ug/L		06/11/25 12:22	06/12/25 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	85		10 - 150	06/11/25 12:22	06/12/25 15:32	1
Tetrachloro-m-xylene (Surr)	86		17 - 150	06/11/25 12:22	06/12/25 15:32	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	<0.156	*1	0.156	0.0674	ug/L		06/11/25 15:48	06/12/25 10:36	1
Silvex (2,4,5-TP)	<0.0519	*- *1	0.0519	0.0228	ug/L		06/11/25 15:48	06/12/25 10:36	1
2,4-D	<0.622	*1	0.622	0.259	ug/L		06/11/25 15:48	06/12/25 10:36	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 13:59	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		06/10/25 09:00	06/18/25 13:59	1
Barium	0.188		0.00200	0.000660	mg/L		06/10/25 09:00	06/18/25 13:59	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/10/25 09:00	06/18/25 13:59	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/10/25 09:00	06/18/25 13:59	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/10/25 09:00	06/18/25 13:59	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		06/10/25 09:00	06/18/25 13:59	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/10/25 09:00	06/18/25 13:59	1
Lead	<0.000500		0.000500	0.000330	mg/L		06/10/25 09:00	06/18/25 13:59	1
Nickel	<0.00500		0.00500	0.00230	mg/L		06/10/25 09:00	06/18/25 13:59	1
Selenium	0.00148	J	0.00500	0.00140	mg/L		06/10/25 09:00	06/18/25 13:59	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-28

Date Collected: 06/04/25 12:54

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-7

Matrix: Groundwater

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		06/10/25 09:00	06/18/25 13:59	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/10/25 09:00	06/18/25 13:59	1
Tin	<0.00500		0.00500	0.00250	mg/L		06/10/25 09:00	06/18/25 13:59	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/10/25 09:00	06/18/25 13:59	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/10/25 09:00	06/18/25 13:59	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		06/13/25 11:01	06/16/25 09:48	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		06/09/25 10:54	06/12/25 09:41	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			06/11/25 23:38	1
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			06/06/25 15:25	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: OP-17

Lab Sample ID: 310-308067-8

Date Collected: 06/04/25 18:07

Matrix: Groundwater

Date Received: 06/06/25 08:20

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 16:05	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 16:05	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 16:05	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 16:05	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 16:05	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 16:05	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			06/10/25 16:05	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 16:05	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			06/10/25 16:05	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 16:05	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 16:05	1
1,2-Dichlorobenzene	6.72		1.00	0.370	ug/L			06/10/25 16:05	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 16:05	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 16:05	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			06/10/25 16:05	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			06/10/25 16:05	1
1,4-Dichlorobenzene	9.42		1.00	0.230	ug/L			06/10/25 16:05	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			06/10/25 16:05	1
2-Butanone (MEK)	2.18	J	10.0	2.10	ug/L			06/10/25 16:05	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 16:05	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 16:05	1
Acetone	9.62	J	10.0	3.10	ug/L			06/10/25 16:05	1
Acrolein	<10.0		10.0	3.60	ug/L			06/10/25 16:05	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 16:05	1
Allyl chloride	<2.00		2.00	0.700	ug/L			06/10/25 16:05	1
Benzene	1.45		0.500	0.220	ug/L			06/10/25 16:05	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 16:05	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 16:05	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 16:05	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 16:05	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 16:05	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 16:05	1
Chlorobenzene	29.4		1.00	0.400	ug/L			06/10/25 16:05	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 16:05	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 16:05	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 16:05	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 16:05	1
Chloroprene	<1.00		1.00	0.230	ug/L			06/10/25 16:05	1
cis-1,2-Dichloroethene	0.279	J	1.00	0.210	ug/L			06/10/25 16:05	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 16:05	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 16:05	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			06/10/25 16:05	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			06/10/25 16:05	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 16:05	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 16:05	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			06/10/25 16:05	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			06/10/25 16:05	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 16:05	1
Naphthalene	<5.00		5.00	3.00	ug/L			06/10/25 16:05	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: OP-17

Lab Sample ID: 310-308067-8

Date Collected: 06/04/25 18:07

Matrix: Groundwater

Date Received: 06/06/25 08:20

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 16:05	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 16:05	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 16:05	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 16:05	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 16:05	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 16:05	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 16:05	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 16:05	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 16:05	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 16:05	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 16:05	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		76 - 130		06/10/25 16:05	1
Toluene-d8 (Surr)	93		80 - 120		06/10/25 16:05	1
4-Bromofluorobenzene (Surr)	104		80 - 120		06/10/25 16:05	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	<10.4		10.4	0.563	ug/L		06/11/25 12:12	06/18/25 21:03	1
1,3,5-Trinitrobenzene	<10.4		10.4	2.40	ug/L		06/11/25 12:12	06/18/25 21:03	1
1,3-Dinitrobenzene	<10.4		10.4	3.33	ug/L		06/11/25 12:12	06/18/25 21:03	1
1,4-Naphthoquinone	<10.4		10.4	3.75	ug/L		06/11/25 12:12	06/18/25 21:03	1
1,4-Phenylenediamine	<10.4	*	10.4	1.98	ug/L		06/11/25 12:12	06/18/25 21:03	1
1-Naphthylamine	<10.4	*1	10.4	2.60	ug/L		06/11/25 12:12	06/18/25 21:03	1
2,3,4,6-Tetrachlorophenol	<10.4		10.4	5.52	ug/L		06/11/25 12:12	06/18/25 21:03	1
2,4,5-Trichlorophenol	<10.4		10.4	5.52	ug/L		06/11/25 12:12	06/18/25 21:03	1
2,4,6-Trichlorophenol	<10.4		10.4	5.21	ug/L		06/11/25 12:12	06/18/25 21:03	1
2,4-Dichlorophenol	<10.4		10.4	0.885	ug/L		06/11/25 12:12	06/18/25 21:03	1
2,4-Dimethylphenol	<10.4		10.4	0.604	ug/L		06/11/25 12:12	06/18/25 21:03	1
2,4-Dinitrophenol	<20.8		20.8	13.5	ug/L		06/11/25 12:12	06/18/25 21:03	1
2,4-Dinitrotoluene	<10.4		10.4	6.67	ug/L		06/11/25 12:12	06/18/25 21:03	1
2,6-Dichlorophenol	<10.4		10.4	0.719	ug/L		06/11/25 12:12	06/18/25 21:03	1
2,6-Dinitrotoluene	<10.4		10.4	0.542	ug/L		06/11/25 12:12	06/18/25 21:03	1
2-Acetylaminofluorene	<10.4		10.4	2.81	ug/L		06/11/25 12:12	06/18/25 21:03	1
2-Chloronaphthalene	<10.4		10.4	0.667	ug/L		06/11/25 12:12	06/18/25 21:03	1
2-Chlorophenol	<10.4		10.4	0.563	ug/L		06/11/25 12:12	06/18/25 21:03	1
2-Methylnaphthalene	<10.4		10.4	0.615	ug/L		06/11/25 12:12	06/18/25 21:03	1
2-Methylphenol	<10.4		10.4	0.677	ug/L		06/11/25 12:12	06/18/25 21:03	1
2-Naphthylamine	<10.4		10.4	2.19	ug/L		06/11/25 12:12	06/18/25 21:03	1
2-Nitroaniline	<10.4		10.4	6.15	ug/L		06/11/25 12:12	06/18/25 21:03	1
2-Nitrophenol	<10.4		10.4	7.08	ug/L		06/11/25 12:12	06/18/25 21:03	1
3,3'-Dichlorobenzidine	<10.4		10.4	1.46	ug/L		06/11/25 12:12	06/18/25 21:03	1
3,3'-Dimethylbenzidine	<10.4	*- *1	10.4	1.56	ug/L		06/11/25 12:12	06/18/25 21:03	1
3-Methylcholanthrene	<10.4		10.4	0.333	ug/L		06/11/25 12:12	06/18/25 21:03	1
3-Nitroaniline	<10.4		10.4	2.81	ug/L		06/11/25 12:12	06/18/25 21:03	1
4,6-Dinitro-2-methylphenol	<10.4		10.4	7.19	ug/L		06/11/25 12:12	06/18/25 21:03	1
4-Aminobiphenyl	<10.4		10.4	2.29	ug/L		06/11/25 12:12	06/18/25 21:03	1
4-Bromophenyl phenyl ether	<10.4		10.4	0.729	ug/L		06/11/25 12:12	06/18/25 21:03	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: OP-17

Lab Sample ID: 310-308067-8

Date Collected: 06/04/25 18:07

Matrix: Groundwater

Date Received: 06/06/25 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	<10.4		10.4	0.875	ug/L		06/11/25 12:12	06/18/25 21:03	1
4-Chloroaniline	<10.4		10.4	0.646	ug/L		06/11/25 12:12	06/18/25 21:03	1
4-Chlorophenyl phenyl ether	<10.4		10.4	0.719	ug/L		06/11/25 12:12	06/18/25 21:03	1
4-Methylphenol (and/or 3-Methylphenol)	<10.4		10.4	0.729	ug/L		06/11/25 12:12	06/18/25 21:03	1
4-Nitroaniline	<10.4		10.4	1.35	ug/L		06/11/25 12:12	06/18/25 21:03	1
4-Nitrophenol	<10.4		10.4	7.92	ug/L		06/11/25 12:12	06/18/25 21:03	1
5-Nitro-o-toluidine	<10.4		10.4	2.92	ug/L		06/11/25 12:12	06/18/25 21:03	1
7,12-Dimethylbenz(a)anthracene	<10.4		10.4	1.98	ug/L		06/11/25 12:12	06/18/25 21:03	1
Acenaphthene	<10.4		10.4	0.667	ug/L		06/11/25 12:12	06/18/25 21:03	1
Acenaphthylene	<10.4		10.4	0.750	ug/L		06/11/25 12:12	06/18/25 21:03	1
Acetophenone	<10.4		10.4	0.719	ug/L		06/11/25 12:12	06/18/25 21:03	1
Anthracene	<10.4		10.4	0.906	ug/L		06/11/25 12:12	06/18/25 21:03	1
Benzo(a)anthracene	<10.4		10.4	0.885	ug/L		06/11/25 12:12	06/18/25 21:03	1
Benzo(a)pyrene	<10.4		10.4	8.44	ug/L		06/11/25 12:12	06/18/25 21:03	1
Benzo(b)fluoranthene	<10.4		10.4	5.10	ug/L		06/11/25 12:12	06/18/25 21:03	1
Benzo(g,h,i)perylene	<10.4		10.4	6.56	ug/L		06/11/25 12:12	06/18/25 21:03	1
Benzo(k)fluoranthene	<10.4		10.4	2.29	ug/L		06/11/25 12:12	06/18/25 21:03	1
Benzyl alcohol	<10.4		10.4	1.35	ug/L		06/11/25 12:12	06/18/25 21:03	1
Bis(2-chloroethoxy)methane	<10.4		10.4	0.792	ug/L		06/11/25 12:12	06/18/25 21:03	1
Bis(2-chloroethyl)ether	<10.4		10.4	0.854	ug/L		06/11/25 12:12	06/18/25 21:03	1
bis(2-chloroisopropyl) ether	<10.4		10.4	0.563	ug/L		06/11/25 12:12	06/18/25 21:03	1
Bis(2-ethylhexyl) phthalate	<10.4		10.4	5.73	ug/L		06/11/25 12:12	06/18/25 21:03	1
Butyl benzyl phthalate	<10.4		10.4	5.63	ug/L		06/11/25 12:12	06/18/25 21:03	1
Chlorobenzilate	<10.4		10.4	3.75	ug/L		06/11/25 12:12	06/18/25 21:03	1
Chrysene	<10.4		10.4	0.906	ug/L		06/11/25 12:12	06/18/25 21:03	1
Diallate	<10.4		10.4	4.17	ug/L		06/11/25 12:12	06/18/25 21:03	1
Dibenz(a,h)anthracene	<10.4		10.4	4.06	ug/L		06/11/25 12:12	06/18/25 21:03	1
Dibenzofuran	<10.4		10.4	0.771	ug/L		06/11/25 12:12	06/18/25 21:03	1
Diethyl phthalate	<10.4		10.4	1.77	ug/L		06/11/25 12:12	06/18/25 21:03	1
Dimethoate	<10.4		10.4	3.75	ug/L		06/11/25 12:12	06/18/25 21:03	1
Dimethyl phthalate	<10.4		10.4	1.04	ug/L		06/11/25 12:12	06/18/25 21:03	1
Di-n-butyl phthalate	<10.4		10.4	5.83	ug/L		06/11/25 12:12	06/18/25 21:03	1
Di-n-octyl phthalate	<20.8		20.8	7.29	ug/L		06/11/25 12:12	06/18/25 21:03	1
Diphenylamine	<10.4		10.4	6.25	ug/L		06/11/25 12:12	06/18/25 21:03	1
Disulfoton	<10.4		10.4	2.50	ug/L		06/11/25 12:12	06/18/25 21:03	1
Ethyl methanesulfonate	<10.4		10.4	3.75	ug/L		06/11/25 12:12	06/18/25 21:03	1
Ethyl parathion	<10.4		10.4	2.29	ug/L		06/11/25 12:12	06/18/25 21:03	1
Famphur	<10.4	++	10.4	3.96	ug/L		06/11/25 12:12	06/18/25 21:03	1
Fluoranthene	<10.4		10.4	1.77	ug/L		06/11/25 12:12	06/18/25 21:03	1
Fluorene	<10.4		10.4	0.823	ug/L		06/11/25 12:12	06/18/25 21:03	1
Hexachlorobenzene	<10.4		10.4	0.729	ug/L		06/11/25 12:12	06/18/25 21:03	1
Hexachlorobutadiene	<10.4		10.4	0.896	ug/L		06/11/25 12:12	06/18/25 21:03	1
Hexachlorocyclopentadiene	<10.4		10.4	5.31	ug/L		06/11/25 12:12	06/18/25 21:03	1
Hexachloroethane	<10.4		10.4	1.01	ug/L		06/11/25 12:12	06/18/25 21:03	1
Hexachloropropene	<10.4		10.4	2.71	ug/L		06/11/25 12:12	06/18/25 21:03	1
Indeno(1,2,3-cd)pyrene	<10.4		10.4	4.38	ug/L		06/11/25 12:12	06/18/25 21:03	1
Isodrin	<10.4		10.4	4.90	ug/L		06/11/25 12:12	06/18/25 21:03	1
Isophorone	<10.4		10.4	0.969	ug/L		06/11/25 12:12	06/18/25 21:03	1
Isosafrole	<10.4		10.4	2.40	ug/L		06/11/25 12:12	06/18/25 21:03	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: OP-17

Lab Sample ID: 310-308067-8

Date Collected: 06/04/25 18:07

Matrix: Groundwater

Date Received: 06/06/25 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Kepone	<10.4		10.4	1.04	ug/L		06/11/25 12:12	06/18/25 21:03	1
Methapyrilene	<10.4	*1	10.4	0.792	ug/L		06/11/25 12:12	06/18/25 21:03	1
Methyl methanesulfonate	<10.4		10.4	3.44	ug/L		06/11/25 12:12	06/18/25 21:03	1
Methyl parathion	<10.4		10.4	2.40	ug/L		06/11/25 12:12	06/18/25 21:03	1
Nitrobenzene	<10.4		10.4	0.833	ug/L		06/11/25 12:12	06/18/25 21:03	1
N-Nitrosodiethylamine	<10.4		10.4	3.54	ug/L		06/11/25 12:12	06/18/25 21:03	1
N-Nitrosodimethylamine	<10.4		10.4	0.750	ug/L		06/11/25 12:12	06/18/25 21:03	1
N-Nitrosodi-n-butylamine	<10.4		10.4	4.06	ug/L		06/11/25 12:12	06/18/25 21:03	1
N-Nitrosodi-n-propylamine	<10.4		10.4	0.958	ug/L		06/11/25 12:12	06/18/25 21:03	1
N-Nitrosodiphenylamine	<10.4		10.4	0.781	ug/L		06/11/25 12:12	06/18/25 21:03	1
N-Nitrosomethylethylamine	<10.4		10.4	5.10	ug/L		06/11/25 12:12	06/18/25 21:03	1
N-Nitrosopiperidine	<10.4		10.4	2.81	ug/L		06/11/25 12:12	06/18/25 21:03	1
N-Nitrosopyrrolidine	<10.4		10.4	3.75	ug/L		06/11/25 12:12	06/18/25 21:03	1
o,o',o"-Triethylphosphorothioate	<10.4		10.4	3.33	ug/L		06/11/25 12:12	06/18/25 21:03	1
o-Toluidine	<10.4		10.4	3.02	ug/L		06/11/25 12:12	06/18/25 21:03	1
p-Dimethylamino azobenzene	<10.4		10.4	2.29	ug/L		06/11/25 12:12	06/18/25 21:03	1
Pentachlorobenzene	<10.4		10.4	2.92	ug/L		06/11/25 12:12	06/18/25 21:03	1
Pentachloronitrobenzene	<10.4		10.4	6.04	ug/L		06/11/25 12:12	06/18/25 21:03	1
Pentachlorophenol	<10.4		10.4	10.0	ug/L		06/11/25 12:12	06/18/25 21:03	1
Phenacetin	<10.4		10.4	1.98	ug/L		06/11/25 12:12	06/18/25 21:03	1
Phenanthrene	<10.4		10.4	0.823	ug/L		06/11/25 12:12	06/18/25 21:03	1
Phenol	<10.4		10.4	1.15	ug/L		06/11/25 12:12	06/18/25 21:03	1
Phorate	<10.4		10.4	3.33	ug/L		06/11/25 12:12	06/18/25 21:03	1
Pronamide	<10.4		10.4	2.81	ug/L		06/11/25 12:12	06/18/25 21:03	1
Pyrene	<10.4		10.4	0.823	ug/L		06/11/25 12:12	06/18/25 21:03	1
Safrole	<10.4		10.4	2.92	ug/L		06/11/25 12:12	06/18/25 21:03	1
Thionazin	<10.4		10.4	3.65	ug/L		06/11/25 12:12	06/18/25 21:03	1
Dinoseb	<10.4		10.4	2.50	ug/L		06/11/25 12:12	06/18/25 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	54		21 - 110	06/11/25 12:12	06/18/25 21:03	1
Phenol-d5 (Surr)	48		21 - 110	06/11/25 12:12	06/18/25 21:03	1
Nitrobenzene-d5 (Surr)	72		39 - 140	06/11/25 12:12	06/18/25 21:03	1
2-Fluorobiphenyl (Surr)	65		33 - 126	06/11/25 12:12	06/18/25 21:03	1
2,4,6-Tribromophenol (Surr)	64		20 - 144	06/11/25 12:12	06/18/25 21:03	1
Terphenyl-d14 (Surr)	76		13 - 150	06/11/25 12:12	06/18/25 21:03	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 17:39	1
Isobutanol	<10.0		10.0	2.40	mg/L			06/11/25 17:39	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0900		0.0900	0.0225	ug/L		06/11/25 12:22	06/12/25 15:45	1
4,4'-DDE	<0.0900		0.0900	0.0270	ug/L		06/11/25 12:22	06/12/25 15:45	1
4,4'-DDT	<0.0900		0.0900	0.0180	ug/L		06/11/25 12:22	06/12/25 15:45	1
Aldrin	<0.0900		0.0900	0.0198	ug/L		06/11/25 12:22	06/12/25 15:45	1
alpha-BHC	<0.0900		0.0900	0.00900	ug/L		06/11/25 12:22	06/12/25 15:45	1
beta-BHC	<0.0900		0.0900	0.0378	ug/L		06/11/25 12:22	06/12/25 15:45	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: OP-17

Lab Sample ID: 310-308067-8

Date Collected: 06/04/25 18:07

Matrix: Groundwater

Date Received: 06/06/25 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.80		1.80	0.351	ug/L		06/11/25 12:22	06/12/25 15:45	1
delta-BHC	<0.0900		0.0900	0.0288	ug/L		06/11/25 12:22	06/12/25 15:45	1
Dieldrin	<0.0900		0.0900	0.0189	ug/L		06/11/25 12:22	06/12/25 15:45	1
Endosulfan I	<0.0900		0.0900	0.0252	ug/L		06/11/25 12:22	06/12/25 15:45	1
Endosulfan II	<0.0900		0.0900	0.0234	ug/L		06/11/25 12:22	06/12/25 15:45	1
Endosulfan sulfate	<0.0900		0.0900	0.0162	ug/L		06/11/25 12:22	06/12/25 15:45	1
Endrin	<0.0900		0.0900	0.0252	ug/L		06/11/25 12:22	06/12/25 15:45	1
Endrin aldehyde	<0.0900		0.0900	0.0243	ug/L		06/11/25 12:22	06/12/25 15:45	1
gamma-BHC (Lindane)	<0.0900		0.0900	0.00900	ug/L		06/11/25 12:22	06/12/25 15:45	1
Heptachlor	<0.0900		0.0900	0.0207	ug/L		06/11/25 12:22	06/12/25 15:45	1
Heptachlor epoxide	<0.0900		0.0900	0.0288	ug/L		06/11/25 12:22	06/12/25 15:45	1
Methoxychlor	<0.0900		0.0900	0.0288	ug/L		06/11/25 12:22	06/12/25 15:45	1
Toxaphene	<1.80		1.80	0.900	ug/L		06/11/25 12:22	06/12/25 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	56		10 - 150	06/11/25 12:22	06/12/25 15:45	1
Tetrachloro-m-xylene (Surr)	70		17 - 150	06/11/25 12:22	06/12/25 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.80		1.80	0.738	ug/L		06/11/25 12:22	06/12/25 15:45	1
PCB-1221	<1.80		1.80	0.738	ug/L		06/11/25 12:22	06/12/25 15:45	1
PCB-1232	<1.80		1.80	0.738	ug/L		06/11/25 12:22	06/12/25 15:45	1
PCB-1242	<1.80		1.80	0.738	ug/L		06/11/25 12:22	06/12/25 15:45	1
PCB-1248	<1.80		1.80	0.621	ug/L		06/11/25 12:22	06/12/25 15:45	1
PCB-1254	<1.80		1.80	0.621	ug/L		06/11/25 12:22	06/12/25 15:45	1
PCB-1260	<1.80		1.80	0.621	ug/L		06/11/25 12:22	06/12/25 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	56		10 - 150	06/11/25 12:22	06/12/25 15:45	1
Tetrachloro-m-xylene (Surr)	70		17 - 150	06/11/25 12:22	06/12/25 15:45	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	<0.152	*1	0.152	0.0659	ug/L		06/11/25 15:48	06/12/25 11:04	1
Silvex (2,4,5-TP)	<0.0507	*- *1	0.0507	0.0223	ug/L		06/11/25 15:48	06/12/25 11:04	1
2,4-D	<0.609	*1	0.609	0.254	ug/L		06/11/25 15:48	06/12/25 11:04	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	256		20.0	9.00	mg/L			06/13/25 13:10	20
Sulfate	219		20.0	8.40	mg/L			06/13/25 13:10	20

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 14:02	1
Arsenic	0.0121		0.00200	0.000530	mg/L		06/10/25 09:00	06/18/25 14:02	1
Barium	0.366		0.00200	0.000660	mg/L		06/10/25 09:00	06/18/25 14:02	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/10/25 09:00	06/18/25 14:02	1
Cadmium	0.000221		0.000200	0.000100	mg/L		06/10/25 09:00	06/18/25 14:02	1
Chromium	<0.00500		0.00500	0.00180	mg/L		06/10/25 09:00	06/18/25 14:02	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: OP-17

Lab Sample ID: 310-308067-8

Date Collected: 06/04/25 18:07

Matrix: Groundwater

Date Received: 06/06/25 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0120		0.000500	0.000170	mg/L		06/10/25 09:00	06/18/25 14:02	1
Copper	0.0118		0.00500	0.00320	mg/L		06/10/25 09:00	06/18/25 14:02	1
Lead	0.00215		0.000500	0.000330	mg/L		06/10/25 09:00	06/18/25 14:02	1
Nickel	0.0242		0.00500	0.00230	mg/L		06/10/25 09:00	06/18/25 14:02	1
Selenium	<0.00500		0.00500	0.00140	mg/L		06/10/25 09:00	06/18/25 14:02	1
Silver	<0.00100		0.00100	0.000500	mg/L		06/10/25 09:00	06/18/25 14:02	1
Thallium	<0.00100		0.00100	0.000570	mg/L		06/10/25 09:00	06/18/25 14:02	1
Tin	<0.00500		0.00500	0.00250	mg/L		06/10/25 09:00	06/18/25 14:02	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/10/25 09:00	06/18/25 14:02	1
Zinc	0.0155	J	0.0200	0.0130	mg/L		06/10/25 09:00	06/18/25 14:02	1
Sodium	199		1.00	0.650	mg/L		06/10/25 09:00	06/18/25 14:02	1
Potassium	0.572		0.500	0.170	mg/L		06/10/25 09:00	06/18/25 14:02	1
Calcium	266		0.500	0.190	mg/L		06/10/25 09:00	06/18/25 14:02	1
Iron	60.2		0.100	0.0500	mg/L		06/10/25 09:00	06/18/25 14:02	1
Magnesium	139		2.00	0.600	mg/L		06/10/25 09:00	06/19/25 12:09	4
Manganese	3.37		0.0100	0.00360	mg/L		06/10/25 09:00	06/18/25 14:02	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		06/13/25 11:01	06/16/25 09:50	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 10:57	1
Nitrate as N (EPA 353.2)	<0.100		0.100	0.0800	mg/L			06/12/25 02:00	1
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		06/11/25 10:54	06/12/25 09:52	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			06/11/25 23:42	1
Total Suspended Solids (USGS I-3765-85)	110		30.0	21.0	mg/L			06/06/25 15:25	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	975		5.00	2.50	mg/L			06/09/25 17:00	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/09/25 17:00	1
Total Organic Carbon (SM 5310C)	7.06		1.00	0.500	mg/L			06/12/25 22:08	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-DC

Lab Sample ID: 310-308067-9

Date Collected: 06/04/25 10:15

Matrix: Groundwater

Date Received: 06/06/25 08:20

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		06/10/25 09:00	06/18/25 14:05	1
Barium	0.302		0.00200	0.000660	mg/L		06/10/25 09:00	06/18/25 14:05	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		06/10/25 09:00	06/18/25 14:05	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		06/10/25 09:00	06/18/25 14:05	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		06/10/25 09:00	06/18/25 14:05	1
Copper	<0.00500		0.00500	0.00320	mg/L		06/10/25 09:00	06/18/25 14:05	1
Lead	0.00127		0.000500	0.000330	mg/L		06/10/25 09:00	06/18/25 14:05	1
Nickel	<0.00500		0.00500	0.00230	mg/L		06/10/25 09:00	06/18/25 14:05	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		06/10/25 09:00	06/18/25 14:05	1
Zinc	<0.0200		0.0200	0.0130	mg/L		06/10/25 09:00	06/18/25 14:05	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			06/06/25 15:25	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: Trip Blank

Lab Sample ID: 310-308067-10

Date Collected: 06/04/25 00:00

Matrix: Water

Date Received: 06/06/25 08:20

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		76 - 130		06/10/25 10:23	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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

Lab Sample ID: 310-308067-10
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 10:23	1
4-Bromofluorobenzene (Surr)	100		80 - 120		06/10/25 10:23	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: Trip Blank

Lab Sample ID: 310-308067-11

Date Collected: 06/04/25 00:00

Matrix: Water

Date Received: 06/06/25 08:20

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 21:42	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 21:42	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 21:42	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 21:42	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 21:42	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 21:42	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 21:42	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 21:42	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 21:42	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 21:42	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 21:42	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 21:42	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 21:42	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 21:42	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 21:42	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 21:42	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 21:42	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 21:42	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 21:42	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 21:42	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 21:42	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 21:42	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 21:42	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 21:42	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 21:42	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 21:42	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 21:42	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 21:42	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 21:42	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 21:42	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 21:42	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 21:42	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 21:42	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 21:42	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 21:42	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 21:42	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 21:42	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 21:42	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 21:42	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 21:42	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 21:42	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 21:42	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 21:42	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 21:42	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 21:42	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 21:42	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 21:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	113		76 - 130		06/10/25 21:42	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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

Lab Sample ID: 310-308067-11
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 21:42	1
4-Bromofluorobenzene (Surr)	101		80 - 120		06/10/25 21:42	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: Trip Blank

Lab Sample ID: 310-308067-12

Date Collected: 06/04/25 00:00

Matrix: Water

Date Received: 06/06/25 08:20

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 22:04	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 22:04	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 22:04	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 22:04	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 22:04	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 22:04	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 22:04	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 22:04	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 22:04	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 22:04	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 22:04	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 22:04	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 22:04	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 22:04	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 22:04	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 22:04	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 22:04	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 22:04	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 22:04	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 22:04	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 22:04	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 22:04	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 22:04	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 22:04	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 22:04	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 22:04	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 22:04	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 22:04	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 22:04	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 22:04	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 22:04	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 22:04	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 22:04	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 22:04	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 22:04	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 22:04	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 22:04	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 22:04	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 22:04	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 22:04	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 22:04	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 22:04	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 22:04	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 22:04	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 22:04	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 22:04	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 22:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		76 - 130		06/10/25 22:04	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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

Lab Sample ID: 310-308067-12
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 22:04	1
4-Bromofluorobenzene (Surr)	101		80 - 120		06/10/25 22:04	1

Definitions/Glossary

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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.

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

Eurofins Cedar Falls

Surrogate Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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

Matrix: Groundwater

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-308067-1	MW-17	112	93	102
310-308067-2	MW-19	113	90	101
310-308067-6	MW-27	114	93	97
310-308067-7	MW-28	113	92	100
310-308067-8	OP-17	104	93	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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-308067-10	Trip Blank	110	91	100
310-308067-11	Trip Blank	113	90	101
310-308067-12	Trip Blank	111	91	101
LCS 310-456984/6	Lab Control Sample	101	101	101
LCS 310-456984/7	Lab Control Sample	114	92	101
LCS 310-457138/6	Lab Control Sample	98	102	100
LCS 310-457138/7	Lab Control Sample	109	92	103
MB 310-456984/5	Method Blank	111	92	104
MB 310-457138/5	Method Blank	109	91	106

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Groundwater

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		2FP (21-110)	PHL (21-110)	NBZ (39-140)	FBP (33-126)	TBP (20-144)	TPHL (13-150)
310-308067-7	MW-28	55	59	90	80	65	104
310-308067-8	OP-17	54	48	72	65	64	76

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)

Surrogate Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		2FP (21-110)	PHL (21-110)	NBZ (39-140)	FBP (33-126)	TBP (20-144)	TPHL (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: Groundwater

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB2 (10-150)	TCX2 (17-150)
310-308067-2	MW-19	63	92
310-308067-7	MW-28	85	86
310-308067-8	OP-17	56	70

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

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

Matrix: Groundwater

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB2 (10-150)	TCX2 (17-150)
310-308067-7	MW-28	85	86
310-308067-8	OP-17	56	70

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB2 (10-150)	TCX2 (17-150)
LCS 310-457253/28-A	Lab Control Sample	101	76
MB 310-457253/1-A	Method Blank	63	87

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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
1,1-Dichloropropene	<1.00		1.00	0.430	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
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	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
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			06/10/25 08:52	1
1,3-Dichloropropane	<1.00		1.00	0.400	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
2,2-Dichloropropane	<4.00		4.00	0.690	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
Acrolein	<10.0		10.0	3.60	ug/L			06/10/25 08:52	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 08:52	1
Allyl chloride	<2.00		2.00	0.700	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
Chloroprene	<1.00		1.00	0.230	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
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			06/10/25 08:52	1
Ethyl methacrylate	<2.00		2.00	0.680	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
Methacrylonitrile	<10.0		10.0	3.30	ug/L			06/10/25 08:52	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			06/10/25 08:52	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 08:52	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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

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 08:52	1
Propionitrile	<10.0		10.0	3.40	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

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
1,1-Dichloropropene	20.0	21.63		ug/L		108	70 - 133
1,2,3-Trichloropropane	20.0	19.15		ug/L		96	70 - 122
1,2,4-Trichlorobenzene	20.0	20.09		ug/L		100	69 - 125
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
1,3-Dichlorobenzene	20.0	19.42		ug/L		97	71 - 120
1,3-Dichloropropane	20.0	20.57		ug/L		103	72 - 125
1,4-Dichlorobenzene	20.0	18.64		ug/L		93	72 - 120
2,2-Dichloropropane	20.0	17.40		ug/L		87	51 - 146
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
Acrolein	94.8	94.59		ug/L		100	50 - 150
Acrylonitrile	200	209.5		ug/L		105	50 - 150

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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
Allyl chloride	20.0	18.44		ug/L		92	61 - 136
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
Chloroprene	20.0	22.21		ug/L		111	67 - 136
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
Ethyl methacrylate	20.0	19.34		ug/L		97	68 - 128
Ethylbenzene	20.0	20.22		ug/L		101	75 - 120
Iodomethane	20.0	17.38		ug/L		87	18 - 150
Methacrylonitrile	200	207.8		ug/L		104	67 - 128
Methyl methacrylate	40.0	40.77		ug/L		102	69 - 129
Methylene chloride	20.0	22.98		ug/L		115	72 - 128
Naphthalene	20.0	20.11		ug/L		101	69 - 126
Propionitrile	200	216.6		ug/L		108	68 - 131
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
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
Dichlorodifluoromethane	20.0	16.45		ug/L		82	45 - 150
Trichlorofluoromethane	20.0	16.90		ug/L		84	55 - 150
Vinyl chloride	20.0	17.52		ug/L		88	60 - 142

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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

Lab Sample ID: LCS 310-456984/7

Matrix: Water

Analysis Batch: 456984

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

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
1,2,3-Trichloropropane	<1.00		1.00	0.590	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
1,4-Dichlorobenzene	<1.00		1.00	0.230	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
Acrylonitrile	<5.00		5.00	2.20	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
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
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
Methylene chloride	<5.00		5.00	1.70	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

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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
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
1,2,3-Trichloropropane	20.0	19.51		ug/L		98	70 - 122
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
1,4-Dichlorobenzene	20.0	19.41		ug/L		97	72 - 120
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
Acrylonitrile	200	206.9		ug/L		103	50 - 150
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
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

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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
Dibromomethane	20.0	19.78		ug/L		99	72 - 122
Ethylbenzene	20.0	20.92		ug/L		105	75 - 120
Iodomethane	20.0	17.91		ug/L		90	18 - 150
Methylene chloride	20.0	23.42		ug/L		117	72 - 128
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
Trichlorofluoromethane	20.0	17.23		ug/L		86	55 - 150
Vinyl chloride	20.0	17.33		ug/L		87	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	109		76 - 130
Toluene-d8 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	103		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
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

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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
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
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

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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
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
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

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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
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

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Dinoseb TIC	<10.0		ug/L			88-85-7	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
4,6-Dinitro-2-methylphenol	200	172.5		ug/L		86	22 - 150

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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-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
Indeno(1,2,3-cd)pyrene	100	90.92		ug/L		91	36 - 149

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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
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
1,3-Dinitrobenzene	100	40.81		ug/L		41	36 - 147	0	35

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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
1,4-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
Bis(2-ethylhexyl) phthalate	100	99.17		ug/L		99	46 - 138	1	35

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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
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
Phenol	100	57.92		ug/L		58	29 - 110	6	35

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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
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: MB 310-457253/1-A

Matrix: Water

Analysis Batch: 457298

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 457253

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.97		1.97	0.806	ug/L		06/11/25 12:17	06/11/25 18:06	1
PCB-1221	<1.97		1.97	0.806	ug/L		06/11/25 12:17	06/11/25 18:06	1
PCB-1232	<1.97		1.97	0.806	ug/L		06/11/25 12:17	06/11/25 18:06	1
PCB-1242	<1.97		1.97	0.806	ug/L		06/11/25 12:17	06/11/25 18:06	1
PCB-1248	<1.97		1.97	0.678	ug/L		06/11/25 12:17	06/11/25 18:06	1
PCB-1254	<1.97		1.97	0.678	ug/L		06/11/25 12:17	06/11/25 18:06	1
PCB-1260	<1.97		1.97	0.678	ug/L		06/11/25 12:17	06/11/25 18:06	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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

Lab Sample ID: MB 310-457253/1-A

Matrix: Water

Analysis Batch: 457298

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 457253

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	63		10 - 150	06/11/25 12:17	06/11/25 18:06	1
Tetrachloro-m-xylene (Surr)	87		17 - 150	06/11/25 12:17	06/11/25 18:06	1

Lab Sample ID: LCS 310-457253/28-A

Matrix: Water

Analysis Batch: 457358

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 457253

		Spike	LCS	LCS					%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
PCB-1016		27.7	23.97		ug/L		87	25 - 150		
PCB-1260		27.7	27.83		ug/L		100	14 - 150		
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
DCB Decachlorobiphenyl (Surr)	101		10 - 150							
Tetrachloro-m-xylene (Surr)	76		17 - 150							

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-656257/1-A

Matrix: Water

Analysis Batch: 656445

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 656257

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
2,4,5-T	<0.150		0.150	0.0650	ug/L		06/11/25 15:48	06/12/25 06:49	1	
Silvex (2,4,5-TP)	<0.0500		0.0500	0.0220	ug/L		06/11/25 15:48	06/12/25 06:49	1	
2,4-D	<0.600		0.600	0.250	ug/L		06/11/25 15:48	06/12/25 06:49	1	

Lab Sample ID: LCS 410-656257/2-A

Matrix: Water

Analysis Batch: 656445

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 656257

		Spike	LCS	LCS					%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
2,4,5-T		0.400	0.2636		ug/L		66	57 - 171		
2,4-D		2.00	1.224		ug/L		61	53 - 159		

Lab Sample ID: LCSD 410-656257/3-A

Matrix: Water

Analysis Batch: 656445

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 656257

		Spike	LCSD	LCSD					%Rec	RPD	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
2,4,5-T		0.400	0.3912	*1	ug/L		98	57 - 171	39	30	
2,4-D		2.00	1.918	*1	ug/L		96	53 - 159	44	30	

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Method: 8151A - Herbicides (GC) - DL

Lab Sample ID: LCS 410-656257/2-A
Matrix: Water
Analysis Batch: 656445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 656257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silvex (2,4,5-TP) - DL	4.01	2.120	*-	ug/L		53	62 - 170

Lab Sample ID: LCSD 410-656257/3-A
Matrix: Water
Analysis Batch: 656445

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 656257

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silvex (2,4,5-TP) - DL	4.01	3.371	*1	ug/L		84	62 - 170	46	30

Method: 9056A - Anions, Ion Chromatography

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
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
Tin	<0.00500		0.00500	0.00250	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

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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

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
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
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
Tin	0.200	0.1871		mg/L		94	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

Lab Sample ID: 310-308067-1 DU
Matrix: Groundwater
Analysis Batch: 458034

Client Sample ID: MW-17
Prep Type: Total/NA
Prep Batch: 457031

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00200		<0.00200		mg/L		NC	20
Arsenic	0.00110	J	0.001094	J	mg/L		0.7	20
Barium	0.419		0.4149		mg/L		1	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	0.000553		0.0005340		mg/L		3	20
Copper	<0.00500		<0.00500		mg/L		NC	20
Lead	<0.000500		<0.000500		mg/L		NC	20

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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

Lab Sample ID: 310-308067-1 DU
Matrix: Groundwater
Analysis Batch: 458034

Client Sample ID: MW-17
Prep Type: Total/NA
Prep Batch: 457031

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Nickel	<0.00500		<0.00500		mg/L		NC	20
Selenium	<0.00500		<0.00500		mg/L		NC	20
Silver	<0.00100		<0.00100		mg/L		NC	20
Thallium	<0.00100		<0.00100		mg/L		NC	20
Tin	<0.00500		<0.00500		mg/L		NC	20
Vanadium	<0.00500		<0.00500		mg/L		NC	20
Zinc	<0.0200		<0.0200		mg/L		NC	20
Sodium	12.6		12.24		mg/L		3	20
Potassium	0.948		0.9356		mg/L		1	20
Calcium	238		240.3		mg/L		1	20
Iron	4.53		4.490		mg/L		0.9	20
Manganese	0.304		0.3012		mg/L		1	20

Lab Sample ID: 310-308067-1 DU
Matrix: Groundwater
Analysis Batch: 458186

Client Sample ID: MW-17
Prep Type: Total/NA
Prep Batch: 457031

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Antimony	<0.00800		<0.00800		mg/L		NC	20
Chromium	<0.0200		<0.0200		mg/L		NC	20
Selenium	<0.0200		<0.0200		mg/L		NC	20
Silver	<0.00400		<0.00400		mg/L		NC	20
Thallium	<0.00400		<0.00400		mg/L		NC	20
Tin	<0.0200		<0.0200		mg/L		NC	20
Sodium	12.4		12.20		mg/L		1	20
Potassium	0.988 J		0.9445 J		mg/L		4	20
Calcium	227		224.3		mg/L		1	20
Iron	4.67		4.572		mg/L		2	20
Magnesium	109		103.9		mg/L		5	20
Manganese	0.319		0.3164		mg/L		0.8	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-457431/1-A
Matrix: Water
Analysis Batch: 457703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 457431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		06/13/25 11:01	06/16/25 09:27	1

Lab Sample ID: LCS 310-457431/2-A
Matrix: Water
Analysis Batch: 457703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 457431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001679		mg/L		101	80 - 120

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 310-456986/1-A
Matrix: Water
Analysis Batch: 457383

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456986

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0100		0.0100	0.00350	mg/L		06/09/25 10:54	06/12/25 09:20	1

Lab Sample ID: LCS 310-456986/2-A
Matrix: Water
Analysis Batch: 457383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.1985		mg/L		99	90 - 110

Lab Sample ID: MB 310-457237/1-A
Matrix: Water
Analysis Batch: 457383

Client Sample ID: Method Blank
Prep Type: Total/NA
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
Matrix: Water
Analysis Batch: 457383

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

Lab Sample ID: 310-308067-8 MS
Matrix: Groundwater
Analysis Batch: 457383

Client Sample ID: OP-17
Prep Type: Total/NA
Prep Batch: 457237

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	<0.0100		0.200	0.2038		mg/L		102	63 - 122

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: 310-308067-8 MSD
Matrix: Groundwater
Analysis Batch: 457383

Client Sample ID: OP-17
Prep Type: Total/NA
Prep Batch: 457237

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0100		0.200	0.1882		mg/L		94	63 - 122	8	35

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-821400/1
Matrix: Water
Analysis Batch: 821400

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.00		1.00	0.231	mg/L			06/11/25 23:31	1

Lab Sample ID: LCS 500-821400/2
Matrix: Water
Analysis Batch: 821400

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.97	3.714		mg/L		94	80 - 120

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

Lab Sample ID: 310-308067-6 DU
Matrix: Groundwater
Analysis Batch: 456863

Client Sample ID: MW-27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	31.0		31.00		mg/L		0	35

Lab Sample ID: 310-308067-8 DU
Matrix: Groundwater
Analysis Batch: 456863

Client Sample ID: OP-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	110		108.0		mg/L		2	35

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Method: SM 2320B - Alkalinity

Lab Sample ID: 310-308067-8 DU
Matrix: Groundwater
Analysis Batch: 457045

Client Sample ID: OP-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity as CaCO3	975		991.7		mg/L		2	
Carbonate Alkalinity as CaCO3	<5.00		<5.00		mg/L		NC	

Method: SM 5310C - TOC

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

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

GC/MS VOA

Analysis Batch: 456984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-1	MW-17	Total/NA	Groundwater	8260D	
310-308067-2	MW-19	Total/NA	Groundwater	8260D	
310-308067-6	MW-27	Total/NA	Groundwater	8260D	
310-308067-7	MW-28	Total/NA	Groundwater	8260D	
310-308067-8	OP-17	Total/NA	Groundwater	8260D	
310-308067-10	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	

Analysis Batch: 457138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-11	Trip Blank	Total/NA	Water	8260D	
310-308067-12	Trip Blank	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	

GC/MS Semi VOA

Prep Batch: 457250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-7	MW-28	Total/NA	Groundwater	3510C	
310-308067-8	OP-17	Total/NA	Groundwater	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
310-308067-7	MW-28	Total/NA	Groundwater	8270E	457250
310-308067-8	OP-17	Total/NA	Groundwater	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
310-308067-7	MW-28	Total/NA	Groundwater	8015C	
310-308067-8	OP-17	Total/NA	Groundwater	8015C	
MB 310-457223/4	Method Blank	Total/NA	Water	8015C	
LCS 310-457223/5	Lab Control Sample	Total/NA	Water	8015C	

Prep Batch: 457253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-2	MW-19	Total/NA	Groundwater	3511	
310-308067-7	MW-28	Total/NA	Groundwater	3511	
310-308067-8	OP-17	Total/NA	Groundwater	3511	
MB 310-457253/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-457253/28-A	Lab Control Sample	Total/NA	Water	3511	

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

GC Semi VOA

Analysis Batch: 457298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-457253/1-A	Method Blank	Total/NA	Water	8082A	457253

Analysis Batch: 457358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-7	MW-28	Total/NA	Groundwater	8082A	457253
310-308067-8	OP-17	Total/NA	Groundwater	8082A	457253
LCS 310-457253/28-A	Lab Control Sample	Total/NA	Water	8082A	457253

Analysis Batch: 457360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-2	MW-19	Total/NA	Groundwater	8081B	457253
310-308067-7	MW-28	Total/NA	Groundwater	8081B	457253
310-308067-8	OP-17	Total/NA	Groundwater	8081B	457253

Prep Batch: 656257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-7	MW-28	Total/NA	Groundwater	8151A	
310-308067-8	OP-17	Total/NA	Groundwater	8151A	
MB 410-656257/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-656257/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCS 410-656257/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-656257/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	
LCSD 410-656257/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 656445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-7	MW-28	Total/NA	Groundwater	8151A	656257
310-308067-8	OP-17	Total/NA	Groundwater	8151A	656257
MB 410-656257/1-A	Method Blank	Total/NA	Water	8151A	656257
LCS 410-656257/2-A	Lab Control Sample	Total/NA	Water	8151A	656257
LCS 410-656257/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	656257
LCSD 410-656257/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	656257
LCSD 410-656257/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	656257

HPLC/IC

Analysis Batch: 457798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-2	MW-19	Total/NA	Groundwater	9056A	
310-308067-6	MW-27	Total/NA	Groundwater	9056A	
310-308067-6	MW-27	Total/NA	Groundwater	9056A	
310-308067-8	OP-17	Total/NA	Groundwater	9056A	
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
310-308067-1	MW-17	Total/NA	Groundwater	3005A	
310-308067-2	MW-19	Total/NA	Groundwater	3005A	
310-308067-3	MW-20	Total/NA	Groundwater	3005A	

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Metals (Continued)

Prep Batch: 457031 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-4	MW-21	Total/NA	Groundwater	3005A	
310-308067-5	MW-22	Total/NA	Groundwater	3005A	
310-308067-6	MW-27	Total/NA	Groundwater	3005A	
310-308067-7	MW-28	Total/NA	Groundwater	3005A	
310-308067-8	OP-17	Total/NA	Groundwater	3005A	
310-308067-9	MW-DC	Total/NA	Groundwater	3005A	
MB 310-457031/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-457031/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-308067-1 DU	MW-17	Total/NA	Groundwater	3005A	

Prep Batch: 457431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-7	MW-28	Total/NA	Groundwater	7470A	
310-308067-8	OP-17	Total/NA	Groundwater	7470A	
MB 310-457431/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-457431/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 457703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-7	MW-28	Total/NA	Groundwater	7470A	457431
310-308067-8	OP-17	Total/NA	Groundwater	7470A	457431
MB 310-457431/1-A	Method Blank	Total/NA	Water	7470A	457431
LCS 310-457431/2-A	Lab Control Sample	Total/NA	Water	7470A	457431

Analysis Batch: 458034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-1	MW-17	Total/NA	Groundwater	6020B	457031
310-308067-2	MW-19	Total/NA	Groundwater	6020B	457031
310-308067-3	MW-20	Total/NA	Groundwater	6020B	457031
310-308067-4	MW-21	Total/NA	Groundwater	6020B	457031
310-308067-5	MW-22	Total/NA	Groundwater	6020B	457031
310-308067-6	MW-27	Total/NA	Groundwater	6020B	457031
310-308067-7	MW-28	Total/NA	Groundwater	6020B	457031
310-308067-8	OP-17	Total/NA	Groundwater	6020B	457031
310-308067-9	MW-DC	Total/NA	Groundwater	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
310-308067-1 DU	MW-17	Total/NA	Groundwater	6020B	457031

Analysis Batch: 458186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-6	MW-27	Total/NA	Groundwater	6020B	457031
310-308067-8	OP-17	Total/NA	Groundwater	6020B	457031
310-308067-1 DU	MW-17	Total/NA	Groundwater	6020B	457031

General Chemistry

Analysis Batch: 456863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-1	MW-17	Total/NA	Groundwater	I-3765-85	
310-308067-2	MW-19	Total/NA	Groundwater	I-3765-85	

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

General Chemistry (Continued)

Analysis Batch: 456863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-3	MW-20	Total/NA	Groundwater	I-3765-85	
310-308067-4	MW-21	Total/NA	Groundwater	I-3765-85	
310-308067-5	MW-22	Total/NA	Groundwater	I-3765-85	
310-308067-6	MW-27	Total/NA	Groundwater	I-3765-85	
310-308067-7	MW-28	Total/NA	Groundwater	I-3765-85	
310-308067-8	OP-17	Total/NA	Groundwater	I-3765-85	
310-308067-9	MW-DC	Total/NA	Groundwater	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	
310-308067-6 DU	MW-27	Total/NA	Groundwater	I-3765-85	
310-308067-8 DU	OP-17	Total/NA	Groundwater	I-3765-85	

Prep Batch: 456986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-7	MW-28	Total/NA	Groundwater	9012B	
MB 310-456986/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-456986/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 457015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-2	MW-19	Total/NA	Groundwater	353.2	
310-308067-6	MW-27	Total/NA	Groundwater	353.2	
310-308067-8	OP-17	Total/NA	Groundwater	353.2	

Analysis Batch: 457045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-2	MW-19	Total/NA	Groundwater	SM 2320B	
310-308067-6	MW-27	Total/NA	Groundwater	SM 2320B	
310-308067-8	OP-17	Total/NA	Groundwater	SM 2320B	
LCS 310-457045/25	Lab Control Sample	Total/NA	Water	SM 2320B	
310-308067-8 DU	OP-17	Total/NA	Groundwater	SM 2320B	

Prep Batch: 457076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-2	MW-19	Total/NA	Groundwater	350.1	
310-308067-6	MW-27	Total/NA	Groundwater	350.1	
310-308067-8	OP-17	Total/NA	Groundwater	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	

Prep Batch: 457237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-8	OP-17	Total/NA	Groundwater	9012B	
MB 310-457237/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-457237/2-A	Lab Control Sample	Total/NA	Water	9012B	
310-308067-8 MS	OP-17	Total/NA	Groundwater	9012B	
310-308067-8 MSD	OP-17	Total/NA	Groundwater	9012B	

Analysis Batch: 457284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-2	MW-19	Total/NA	Groundwater	350.1	457076

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

General Chemistry (Continued)

Analysis Batch: 457284 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-6	MW-27	Total/NA	Groundwater	350.1	457076
310-308067-8	OP-17	Total/NA	Groundwater	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: 457383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-7	MW-28	Total/NA	Groundwater	9012B	456986
310-308067-8	OP-17	Total/NA	Groundwater	9012B	457237
MB 310-456986/1-A	Method Blank	Total/NA	Water	9012B	456986
MB 310-457237/1-A	Method Blank	Total/NA	Water	9012B	457237
LCS 310-456986/2-A	Lab Control Sample	Total/NA	Water	9012B	456986
LCS 310-457237/2-A	Lab Control Sample	Total/NA	Water	9012B	457237
310-308067-8 MS	OP-17	Total/NA	Groundwater	9012B	457237
310-308067-8 MSD	OP-17	Total/NA	Groundwater	9012B	457237

Analysis Batch: 457573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-2	MW-19	Total/NA	Groundwater	SM 5310C	
310-308067-6	MW-27	Total/NA	Groundwater	SM 5310C	
310-308067-8	OP-17	Total/NA	Groundwater	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: 821400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308067-7	MW-28	Total/NA	Groundwater	9034	
310-308067-8	OP-17	Total/NA	Groundwater	9034	
MB 500-821400/1	Method Blank	Total/NA	Water	9034	
LCS 500-821400/2	Lab Control Sample	Total/NA	Water	9034	

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-17

Date Collected: 06/04/25 19:21

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-1

Matrix: Groundwater

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 14:34
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 13:32
Total/NA	Analysis	I-3765-85		1	456863	E6KR	EET CF	06/06/25 15:25

Client Sample ID: MW-19

Date Collected: 06/04/25 08:52

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-2

Matrix: Groundwater

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 14:57
Total/NA	Prep	3511			457253	BW2O	EET CF	06/11/25 12:22
Total/NA	Analysis	8081B		1	457360	BW2O	EET CF	06/12/25 15:19
Total/NA	Analysis	9056A		20	457798	QTZ5	EET CF	06/13/25 12:46
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 13:38
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 10:59
Total/NA	Analysis	353.2		1	457015	HE7K	EET CF	06/12/25 01:53
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 16:31
Total/NA	Analysis	SM 5310C		1	457573	HE7K	EET CF	06/12/25 20:56

Client Sample ID: MW-20

Date Collected: 06/04/25 10:00

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-3

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
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 13:41
Total/NA	Analysis	I-3765-85		1	456863	E6KR	EET CF	06/06/25 15:25

Client Sample ID: MW-21

Date Collected: 06/04/25 11:56

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-4

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
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 13:50
Total/NA	Analysis	I-3765-85		1	456863	E6KR	EET CF	06/06/25 15:25

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-22

Date Collected: 06/04/25 14:11

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-5

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
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 13:53
Total/NA	Analysis	I-3765-85		1	456863	E6KR	EET CF	06/06/25 15:25

Client Sample ID: MW-27

Date Collected: 06/04/25 10:55

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-6

Matrix: Groundwater

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 15:19
Total/NA	Analysis	9056A		20	457798	QTZ5	EET CF	06/13/25 12:58
Total/NA	Analysis	9056A		5	457798	QTZ5	EET CF	06/16/25 11:41
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 13:56
Total/NA	Prep	3005A			457031	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		4	458186	NFT2	EET CF	06/19/25 12:06
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 10:57
Total/NA	Analysis	353.2		1	457015	HE7K	EET CF	06/12/25 01:58
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 16:45
Total/NA	Analysis	SM 5310C		1	457573	HE7K	EET CF	06/12/25 21:32

Client Sample ID: MW-28

Date Collected: 06/04/25 12:54

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-7

Matrix: Groundwater

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 15:42
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 20:36
Total/NA	Analysis	8015C		1	457223	BW2O	EET CF	06/11/25 17:20
Total/NA	Prep	3511			457253	BW2O	EET CF	06/11/25 12:22
Total/NA	Analysis	8081B		1	457360	BW2O	EET CF	06/12/25 15:32
Total/NA	Prep	3511			457253	BW2O	EET CF	06/11/25 12:22
Total/NA	Analysis	8082A		1	457358	BW2O	EET CF	06/12/25 15:32
Total/NA	Prep	8151A			656257	QJZ6	ELLE	06/11/25 15:48
Total/NA	Analysis	8151A		1	656445	UAMZ	ELLE	06/12/25 10:36
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 13:59
Total/NA	Prep	7470A			457431	F5MW	EET CF	06/13/25 11:01
Total/NA	Analysis	7470A		1	457703	F5MW	EET CF	06/16/25 09:48
Total/NA	Prep	9012B			456986	ENB7	EET CF	06/09/25 10:54
Total/NA	Analysis	9012B		1	457383	WZC8	EET CF	06/12/25 09:41

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: MW-28

Date Collected: 06/04/25 12:54

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-7

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9034		1	821400	CLB	EET CHI	06/11/25 23:38 - 06/11/25 23:42 ¹
Total/NA	Analysis	I-3765-85		1	456863	E6KR	EET CF	06/06/25 15:25

Client Sample ID: OP-17

Date Collected: 06/04/25 18:07

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-8

Matrix: Groundwater

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 16:05
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 21:03
Total/NA	Analysis	8015C		1	457223	BW2O	EET CF	06/11/25 17:39
Total/NA	Prep	3511			457253	BW2O	EET CF	06/11/25 12:22
Total/NA	Analysis	8081B		1	457360	BW2O	EET CF	06/12/25 15:45
Total/NA	Prep	3511			457253	BW2O	EET CF	06/11/25 12:22
Total/NA	Analysis	8082A		1	457358	BW2O	EET CF	06/12/25 15:45
Total/NA	Prep	8151A			656257	QJZ6	ELLE	06/11/25 15:48
Total/NA	Analysis	8151A		1	656445	UAMZ	ELLE	06/12/25 11:04
Total/NA	Analysis	9056A		20	457798	QTZ5	EET CF	06/13/25 13:10
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 14:02
Total/NA	Prep	3005A			457031	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		4	458186	NFT2	EET CF	06/19/25 12:09
Total/NA	Prep	7470A			457431	F5MW	EET CF	06/13/25 11:01
Total/NA	Analysis	7470A		1	457703	F5MW	EET CF	06/16/25 09:50
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 10:57
Total/NA	Analysis	353.2		1	457015	HE7K	EET CF	06/12/25 02:00
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 09:52
Total/NA	Analysis	9034		1	821400	CLB	EET CHI	06/11/25 23:42 - 06/11/25 23:46 ¹
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 17:00
Total/NA	Analysis	SM 5310C		1	457573	HE7K	EET CF	06/12/25 22:08

Client Sample ID: MW-DC

Date Collected: 06/04/25 10:15

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-9

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
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 14:05
Total/NA	Analysis	I-3765-85		1	456863	E6KR	EET CF	06/06/25 15:25

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

Client Sample ID: Trip Blank

Date Collected: 06/04/25 00:00

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-10

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 10:23

Client Sample ID: Trip Blank

Date Collected: 06/04/25 00:00

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-11

Matrix: 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 21:42

Client Sample ID: Trip Blank

Date Collected: 06/04/25 00:00

Date Received: 06/06/25 08:20

Lab Sample ID: 310-308067-12

Matrix: 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 22:04

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: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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	07-10-25
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		Groundwater	1,2,4-Trichlorobenzene
8260D		Groundwater	Allyl chloride
8260D		Groundwater	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	05-31-26
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	12-31-25
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	07-15-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-14-25
South Carolina	State	77001003	05-31-25 *
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	07-09-25
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	06-12-25
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-07-25
California	State	2792	07-09-25
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.

Eurofins Cedar Falls

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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	08-10-25
Maryland	State	100	06-30-26
Massachusetts	State	M-PA009	06-30-25
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	07-15-25
North Carolina (DW)	State	42705	06-30-25
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	07-23-25
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	06-14-25
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.

Eurofins Cedar Falls

Method Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 HMSP

Job ID: 310-308067-1

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
9056A	Anions, Ion Chromatography	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
350.1	Nitrogen, Ammonia	EPA	EET CF
353.2	Nitrogen, Nitrate (Calculation)	EPA	EET CF
9012B	Cyanide, Total and/or Amenable	SW846	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
350.1	Distillation, Ammonia	EPA	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:

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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Eurofins Cedar Falls



Environment Testing
America



310-308067 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCS</u>			
City/State:	CITY	STATE	Project:
Receipt Information			
Date/Time Received:	DATE <u>6-6-25</u>	TIME <u>0820</u>	Received By: <u>ee</u>
Delivery Type: ☒ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes: Cooler ID. _____			
Multiple Coolers? ☒ Yes ☐ No If yes: Cooler # <u>1</u> of <u>3</u>			
Cooler Custody Seals Present? ☒ Yes ☐ No If yes: Cooler custody seals intact? ☐ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☒ Yes ☐ No If yes: Which VOA samples are in cooler? ↓ <u>MW-22, 28, 27</u>			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>2</u>		Correction Factor (°C): <u>0.0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>1.9</u>		Corrected Temp (°C): <u>1.9</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1		CONTAINER 2
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCS</u>			
City/State:	CITY	STATE	Project:
Receipt Information			
Date/Time Received:	DATE	TIME	Received By:
	<u>6-6-25</u>	<u>0820</u>	<u>ce</u>
Delivery Type: ☒ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes: Cooler ID: _____			
Multiple Coolers? ☒ Yes ☐ No If yes: Cooler # <u>2</u> of <u>3</u>			
Cooler Custody Seals Present? ☒ Yes ☐ No If yes: Cooler custody seals intact? ☐ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☒ Yes ☐ No If yes: Which VOA samples are in cooler? ↓ <u>MW-19, 17</u>			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>2</u>		Correction Factor (°C): <u>0.0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>1.9</u>		Corrected Temp (°C): <u>1.9</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCS</u>			
City/State:	CITY	STATE	Project:
Receipt Information			
Date/Time Received:	DATE <u>6-6-25</u>	TIME <u>0820</u>	Received By: <u>ce</u>
Delivery Type: ☒ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes: Cooler ID: _____			
Multiple Coolers? ☒ Yes ☐ No If yes: Cooler # <u>3</u> of <u>3</u>			
Cooler Custody Seals Present? ☒ Yes ☐ No If yes: Cooler custody seals intact? ☐ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☒ Yes ☐ No If yes: Which VOA samples are in cooler? ↓ <u>OP-17</u>			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>2</u>		Correction Factor (°C): <u>0.0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>2.3</u>		Corrected Temp (°C): <u>2.3</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			

Eurofins TestAmerica, Cedar Falls
3019 Venture Way

TestAmerica Des Moines SC
214

Chain of Custody Record

eurofins

Cedar Falls, IA 50613-6907
phone 319.277.2401 fax 319.277.2425

Regulatory Program: ☐ DW ☐ NPDES ☒ RCRA ☐ Other

Eurofins
Davenport SC 212 TestAmerica Laboratories, Inc. d/b/a Eurofins

Project Manager: Nathan Ohrt		Email: nohrt@scsengineers.com		Site Contact: Brian Seals		Date:		COC No																				
Client Contact		Cell: 319-331-9613		Lab Contact: Sam Miller		Carrier:		1 of 1 CO																				
Nathan Ohrt		SCS Engineers		Analysis Turnaround Time		SAMPLER		For Lab Use Only:																				
1690 All State Court, Suite 100		West Des Moines, IA 50265		☐ CALENDAR DAYS ☐ WORKING DAYS		Walk-in Client:		Lab Sampling																				
Project Name: SCL 1st 2025 HMSP		Other: 2 weeks		1 week		Job / SDG No																						
Site: Scott County Landfill		2 days		1 day																								
P O # 27224523.25																												
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	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Calcium	Chloride	Magnesium	Potassium	Sodium	Sulfate	Total Organic Carbon	Nitrate	Ammonia	Total Iron	Total Manganese	Trip Blank	Sample Specific
MW-32				G	GW		N	N	X		X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-17	6/4/25	19:21		G	GW		N	N	X	X	X																	
MW-19	6/4/25	8:52		G	GW		N	N	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		
MW-20	6/4/25	10:00		G	GW		N	N	X		X																	
MW-21	6/4/25	11:56		G	GW		N	N	X		X																	
MW-22	6/4/25	14:11		G	GW		N	N	X		X																	
MW-27	6/4/25	10:55		G	GW		N	N	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X		
MW-28	6/4/25	12:54		G	GW		N	N			X	X																
MW-30				G	GW		N	N	X		X																	
OP-17	6/4/25	18:07		G	GW		N	N			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		
MW-DC	6/4/25	10:15		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: 6/5/25 8:00	Received by: [Signature]	Company: [Signature]
Relinquished by: [Signature]	Company: [Signature]	Date/Time: 6/5/25 15:00	Received by: [Signature]	Company: [Signature]
Relinquished by: [Signature]	Company: [Signature]	Date/Time: [Signature]	Received in Laboratory by: [Signature]	Company: 6/4/25 08:20

3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax: 319-277-2425

eurolins Environment Testing

9/5/2025 (Rev. 1)

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 310-83725 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 #: 310-308067-1							
Address 18410 Crossing Drive, Suite E,		Due Date Requested 6/19/2025		Analysis Requested						Preservation Codes -					
City Tinley Park		TAT Requested (days) N/A		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 9034_Calc (MOD) Local Method						Total Number of containers		310-308067 COC			
State, Zip IL, 60487		PO #: N/A													
Phone 708-534-5200(Tel) 708-534-5211(Fax)		WO #: N/A													
Email N/A		Project # 31002007													
Project Name SCL 1st 2025 HMSP		SSOW#: N/A													
Site 310-SCS Scott County Landfill										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)		Preservation Code		Special Instructions/Note:			
MW-28 (310-308067-7)		6/4/25		12 54 Central		G		Water				1			
OP-17 (310-308067-8)		6/4/25		18 07 Central		G		Water				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		Company		Received by				Date/Time		Company	
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											

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-308067-1

SDG Number:

Login Number: 308067

List Number: 1

Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

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

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-308067-1

SDG Number:

Login Number: 308067

List Number: 2

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

List Creation: 06/07/25 12:02 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	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: 310-308067-1

SDG Number:

Login Number: 308067

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 3

List Creation: 06/07/25 02:22 PM

Creator: Ballard, Megan

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 ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, 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 $> 6\text{mm}$ in diameter (none, if from WV)?	N/A	

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/24/2025 4:13:34 PM

JOB DESCRIPTION

SCL 1st 2025 Leachate
Scott County Landfill

JOB NUMBER

310-308155-1

Eurofins Cedar Falls

Job Notes

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

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

Authorization



Generated
6/24/2025 4:13:34 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	8
QC Sample Results	9
QC Association	11
Chronicle	12
Certification Summary	13
Method Summary	14
Chain of Custody	15
Receipt Checklists	17



Case Narrative

Client: SCS Engineers
Project: SCL 1st 2025 Leachate

Job ID: 310-308155-1

Job ID: 310-308155-1

Eurofins Cedar Falls

Job Narrative 310-308155-1

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

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

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

Receipt

The sample was received on 6/7/2025 9:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.2°C.

HPLC/IC

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

Metals

Method 6020B: The reference method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of >2: LHW-4 (310-308155-1). The sample(s) was preserved to the appropriate pH in the laboratory.

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

General Chemistry

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

Eurofins Cedar Falls

Sample Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 Leachate

Job ID: 310-308155-1
SDG: Scott County Landfill

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-308155-1	LHW-4	Water	06/06/25 11:20	06/07/25 09:00

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Detection Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 Leachate

Job ID: 310-308155-1
SDG: Scott County Landfill

Client Sample ID: LHW-4

Lab Sample ID: 310-308155-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	427		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	6.38		5.00	2.10	mg/L	5		9056A	Total/NA
Calcium	373		0.500	0.190	mg/L	1		6020B	Total/NA
Magnesium	237		2.00	0.600	mg/L	4		6020B	Total/NA
Potassium	66.8		0.500	0.170	mg/L	1		6020B	Total/NA
Sodium	504		4.00	2.60	mg/L	4		6020B	Total/NA
Total Suspended Solids	334		30.0	21.0	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	2110		5.00	2.50	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Leachate

Job ID: 310-308155-1
SDG: Scott County Landfill

Client Sample ID: LHW-4

Lab Sample ID: 310-308155-1

Date Collected: 06/06/25 11:20

Matrix: Water

Date Received: 06/07/25 09:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	427		5.00	2.25	mg/L			06/16/25 15:25	5
Sulfate	6.38		5.00	2.10	mg/L			06/16/25 15:25	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	373		0.500	0.190	mg/L		06/12/25 09:25	06/23/25 18:11	1
Magnesium	237		2.00	0.600	mg/L		06/12/25 09:25	06/24/25 13:14	4
Potassium	66.8		0.500	0.170	mg/L		06/12/25 09:25	06/23/25 18:11	1
Sodium	504		4.00	2.60	mg/L		06/12/25 09:25	06/24/25 13:14	4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	334		30.0	21.0	mg/L			06/09/25 15:45	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	2110		5.00	2.50	mg/L			06/12/25 10:38	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/12/25 10:38	1

Definitions/Glossary

Client: SCS Engineers
Project/Site: SCL 1st 2025 Leachate

Job ID: 310-308155-1
SDG: Scott County Landfill

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

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: SCL 1st 2025 Leachate

Job ID: 310-308155-1
SDG: Scott County Landfill

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-457818/3
Matrix: Water
Analysis Batch: 457818

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			06/16/25 14:27	1
Sulfate	<1.00		1.00	0.420	mg/L			06/16/25 14:27	1

Lab Sample ID: LCS 310-457818/4
Matrix: Water
Analysis Batch: 457818

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	9.683		mg/L		97	90 - 110
Sulfate	10.0	10.08		mg/L		101	90 - 110

Lab Sample ID: 310-308155-1 MS
Matrix: Water
Analysis Batch: 457818

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	427		25.0	444.6	4	mg/L		71	80 - 120
Sulfate	6.38		25.0	31.48		mg/L		100	80 - 120

Lab Sample ID: 310-308155-1 MSD
Matrix: Water
Analysis Batch: 457818

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	427		25.0	445.0	4	mg/L		72	80 - 120	0	15
Sulfate	6.38		25.0	31.83		mg/L		102	80 - 120	1	15

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
Calcium	<0.500		0.500	0.190	mg/L		06/12/25 09:25	06/23/25 17:33	1
Magnesium	<0.500		0.500	0.150	mg/L		06/12/25 09:25	06/23/25 17:33	1
Potassium	<0.500		0.500	0.170	mg/L		06/12/25 09:25	06/23/25 17:33	1

Lab Sample ID: MB 310-457312/1-A
Matrix: Water
Analysis Batch: 458637

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
Sodium	<1.00		1.00	0.650	mg/L		06/12/25 09:25	06/24/25 12:39	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Leachate

Job ID: 310-308155-1
SDG: Scott County Landfill

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
Calcium	2.00	1.846		mg/L		92	80 - 120
Magnesium	2.00	1.875		mg/L		94	80 - 120
Potassium	2.00	1.890		mg/L		94	80 - 120

Lab Sample ID: LCS 310-457312/2-A
Matrix: Water
Analysis Batch: 458637

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
Sodium	2.00	2.089		mg/L		104	80 - 120

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: 310-308155-1 DU
Matrix: Water
Analysis Batch: 457033

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	334		338.0		mg/L		1	35

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 Leachate

Job ID: 310-308155-1
SDG: Scott County Landfill

HPLC/IC

Analysis Batch: 457818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308155-1	LHW-4	Total/NA	Water	9056A	
MB 310-457818/3	Method Blank	Total/NA	Water	9056A	
LCS 310-457818/4	Lab Control Sample	Total/NA	Water	9056A	
310-308155-1 MS	LHW-4	Total/NA	Water	9056A	
310-308155-1 MSD	LHW-4	Total/NA	Water	9056A	

Metals

Prep Batch: 457312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308155-1	LHW-4	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	

Analysis Batch: 458536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308155-1	LHW-4	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

Analysis Batch: 458637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308155-1	LHW-4	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

General Chemistry

Analysis Batch: 457033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308155-1	LHW-4	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	
310-308155-1 DU	LHW-4	Total/NA	Water	I-3765-85	

Analysis Batch: 457497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308155-1	LHW-4	Total/NA	Water	SM 2320B	
LCS 310-457497/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 1st 2025 Leachate

Job ID: 310-308155-1
SDG: Scott County Landfill

Client Sample ID: LHW-4
Date Collected: 06/06/25 11:20
Date Received: 06/07/25 09:00

Lab Sample ID: 310-308155-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	457818	QTZ5	EET CF	06/16/25 15:25
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 18:11
Total/NA	Prep	3005A			457312	QTZ5	EET CF	06/12/25 09:25
Total/NA	Analysis	6020B		4	458637	NFT2	EET CF	06/24/25 13:14
Total/NA	Analysis	I-3765-85		1	457033	E6KR	EET CF	06/09/25 15:45
Total/NA	Analysis	SM 2320B		1	457497	HE7K	EET CF	06/12/25 10:38

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: SCL 1st 2025 Leachate

Job ID: 310-308155-1
SDG: Scott County 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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 Leachate

Job ID: 310-308155-1
SDG: Scott County Landfill

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
SM 2320B	Alkalinity	SM	EET CF
3005A	Preparation, Total Metals	SW846	EET CF

Protocol References:

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

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

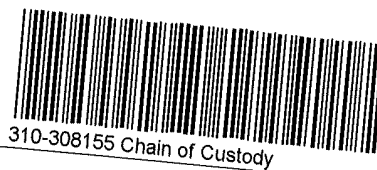
USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

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



Environment Testing
America



Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCS Engineers</u>			
City/State:	CITY	STATE	Project:
Receipt Information			
Date/Time Received:	DATE <u>6.7.25</u>	TIME <u>900</u>	Received By: <u>PH</u>
Delivery Type: ☐ UPS ☒ FedEx <u>Sat</u> ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes: Cooler ID: _____			
Multiple Coolers? ☐ Yes ☒ No If yes: Cooler # _____ of _____			
Cooler Custody Seals Present? ☒ Yes ☐ No If yes: Cooler custody seals intact? ☐ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☐ Yes ☒ No If yes: Which VOA samples are in cooler? ↓			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>AA</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):		Corrected Temp (°C):	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1 <u>12/50</u>	CONTAINER 2	
Uncorrected Temp (°C):	<u>5.2</u>		
Corrected Temp (°C):	<u>5.2</u>		
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-308155-1
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 $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/5/2025 9:55:31 AM Revision 1

JOB DESCRIPTION

SCL 1st 2025 Bracketing & Geochemistry
Scott County Landfill Bracket 1st 2024 S

JOB NUMBER

310-308226-1

Eurofins Cedar Falls

Job Notes

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

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

Authorization



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

Generated
9/5/2025 9:55:31 AM
Revision 1

Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Sample Summary	5
Detection Summary	6
Client Sample Results	10
Definitions	32
Surrogate Summary	33
QC Sample Results	34
QC Association	42
Chronicle	45
Certification Summary	49
Method Summary	50
Chain of Custody	51
Receipt Checklists	55



Case Narrative

Client: SCS Engineers
Project: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Job ID: 310-308226-1

Eurofins Cedar Falls

Job Narrative 310-308226-1

REVISION

The report being provided is a revision of the original report sent on 6/17/2025. The report (revision 1) is being revised due to Removed duplicate metals results.

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 6/6/2025 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 0.0°C, 2.3°C and 3.0°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 1 (310-308226-13).

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

HPLC/IC

Method 9056A_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: MW-18R (310-308226-1) and MW-35 (310-308226-5). Elevated reporting limits (RLs) are provided.

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

Metals

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

General Chemistry

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

Eurofins Cedar Falls

Sample Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-308226-1	MW-18R	Groundwater	06/03/25 15:35	06/06/25 09:00	Iowa
310-308226-2	MW-33A	Groundwater	06/03/25 14:13	06/06/25 09:00	Iowa
310-308226-3	MW-33B	Groundwater	06/03/25 14:55	06/06/25 09:00	Iowa
310-308226-4	MW-34	Groundwater	06/03/25 13:31	06/06/25 09:00	Iowa
310-308226-5	MW-35	Groundwater	06/03/25 16:28	06/06/25 09:00	Iowa
310-308226-6	MW-37	Groundwater	06/03/25 17:09	06/06/25 09:00	Iowa
310-308226-7	MW-38	Groundwater	06/03/25 08:26	06/06/25 09:00	Iowa
310-308226-8	MW-39	Groundwater	06/02/25 15:48	06/06/25 09:00	Iowa
310-308226-9	MW-44	Groundwater	06/02/25 17:44	06/06/25 09:00	Iowa
310-308226-10	MW-45	Groundwater	06/02/25 16:54	06/06/25 09:00	Iowa
310-308226-11	MW-46	Groundwater	06/02/25 14:52	06/06/25 09:00	Iowa
310-308226-12	MW-47	Groundwater	06/02/25 18:39	06/06/25 09:00	Iowa
310-308226-13	Trip Blank 1	Trip Blank	06/03/25 00:00	06/06/25 09:00	Iowa
310-308226-14	Trip Blank 2	Trip Blank	06/03/25 00:00	06/06/25 09:00	Iowa
310-308226-15	Trip Blank 3	Trip Blank	06/03/25 00:00	06/06/25 09:00	Iowa

Detection Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-18R

Lab Sample ID: 310-308226-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2.79	J	5.00	2.25	mg/L	5		9056A	Total/NA
Arsenic	0.000581	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Sodium	21.8		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	4.38		0.500	0.170	mg/L	1		6020B	Total/NA
Calcium	97.2		0.500	0.190	mg/L	1		6020B	Total/NA
Magnesium	39.5		0.500	0.150	mg/L	1		6020B	Total/NA
Bicarbonate Alkalinity as CaCO3	518		5.00	2.50	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-33A

Lab Sample ID: 310-308226-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	33.2		10.0	4.50	mg/L	10		9056A	Total/NA
Sulfate	2.33	J	5.00	2.10	mg/L	5		9056A	Total/NA
Arsenic	0.0153		0.00200	0.000530	mg/L	1		6020B	Total/NA
Sodium	44.4		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	2.66		0.500	0.170	mg/L	1		6020B	Total/NA
Calcium	155		0.500	0.190	mg/L	1		6020B	Total/NA
Magnesium	80.5		0.500	0.150	mg/L	1		6020B	Total/NA
Cobalt	0.000300	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	49.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	836		5.00	2.50	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-33B

Lab Sample ID: 310-308226-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00145	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Cobalt	0.000435	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	6.12		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-34

Lab Sample ID: 310-308226-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	50.1		10.0	4.50	mg/L	10		9056A	Total/NA
Sulfate	35.2		10.0	4.20	mg/L	10		9056A	Total/NA
Sodium	18.8		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	0.302	J	0.500	0.170	mg/L	1		6020B	Total/NA
Calcium	173		0.500	0.190	mg/L	1		6020B	Total/NA
Magnesium	77.2		0.500	0.150	mg/L	1		6020B	Total/NA
Cobalt	0.00853		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.75		1.88	1.31	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	772		5.00	2.50	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-35

Lab Sample ID: 310-308226-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	25.5		10.0	4.50	mg/L	10		9056A	Total/NA
Arsenic	0.0498		0.00200	0.000530	mg/L	1		6020B	Total/NA
Sodium	33.0		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	4.69		0.500	0.170	mg/L	1		6020B	Total/NA
Calcium	207		0.500	0.190	mg/L	1		6020B	Total/NA
Magnesium	70.0		0.500	0.150	mg/L	1		6020B	Total/NA
Cobalt	0.000425	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	97.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-35 (Continued)

Lab Sample ID: 310-308226-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bicarbonate Alkalinity as CaCO3	993		5.00	2.50	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-37

Lab Sample ID: 310-308226-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	2.09		1.00	0.230	ug/L	1		8260D	Total/NA
Acetone	12.6		10.0	3.10	ug/L	1		8260D	Total/NA
Benzene	1.20		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	1.05		1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.244	J	1.00	0.210	ug/L	1		8260D	Total/NA
Chloride	109		10.0	4.50	mg/L	10		9056A	Total/NA
Sulfate	354		10.0	4.20	mg/L	10		9056A	Total/NA
Arsenic	0.116		0.00200	0.000530	mg/L	1		6020B	Total/NA
Sodium	99.4		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	3.05		0.500	0.170	mg/L	1		6020B	Total/NA
Calcium	218		0.500	0.190	mg/L	1		6020B	Total/NA
Magnesium	208		2.00	0.600	mg/L	4		6020B	Total/NA
Cobalt	0.0116		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	118		15.0	10.5	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	1180		5.00	2.50	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-38

Lab Sample ID: 310-308226-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00176	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Cobalt	0.000616		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	15.3		3.75	2.63	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-39

Lab Sample ID: 310-308226-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	0.375	J	1.00	0.230	ug/L	1		8260D	Total/NA
Acetone	7.66	J	10.0	3.10	ug/L	1		8260D	Total/NA
Chlorobenzene	0.410	J	1.00	0.400	ug/L	1		8260D	Total/NA
Chloride	219		10.0	4.50	mg/L	10		9056A	Total/NA
Sulfate	666		10.0	4.20	mg/L	10		9056A	Total/NA
Arsenic	0.00437		0.00200	0.000530	mg/L	1		6020B	Total/NA
Sodium	177		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	0.325	J	0.500	0.170	mg/L	1		6020B	Total/NA
Calcium	292		0.500	0.190	mg/L	1		6020B	Total/NA
Magnesium	129		2.00	0.600	mg/L	4		6020B	Total/NA
Cobalt	0.0178		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	5.13		1.88	1.31	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	776		5.00	2.50	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-44

Lab Sample ID: 310-308226-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.231	J	1.00	0.220	ug/L	1		8260D	Total/NA
2-Butanone (MEK)	3.92	J	10.0	2.10	ug/L	1		8260D	Total/NA
Acetone	8.61	J	10.0	3.10	ug/L	1		8260D	Total/NA
Chlorobenzene	3.48		1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	3.49		1.00	0.210	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-44 (Continued)

Lab Sample ID: 310-308226-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	21.7		10.0	4.50	mg/L	10		9056A	Total/NA
Sulfate	202		10.0	4.20	mg/L	10		9056A	Total/NA
Sodium	23.1		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	0.346	J	0.500	0.170	mg/L	1		6020B	Total/NA
Calcium	182		0.500	0.190	mg/L	1		6020B	Total/NA
Magnesium	85.2		0.500	0.150	mg/L	1		6020B	Total/NA
Cobalt	0.0132		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	33.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	779		5.00	2.50	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-45

Lab Sample ID: 310-308226-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.44	J	10.0	3.10	ug/L	1		8260D	Total/NA
Chloride	242		10.0	4.50	mg/L	10		9056A	Total/NA
Sulfate	591		10.0	4.20	mg/L	10		9056A	Total/NA
Arsenic	0.00173	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Sodium	428		1.00	0.650	mg/L	1		6020B	Total/NA
Calcium	194		0.500	0.190	mg/L	1		6020B	Total/NA
Magnesium	65.1		0.500	0.150	mg/L	1		6020B	Total/NA
Cobalt	0.00995		0.000500	0.000170	mg/L	1		6020B	Total/NA
Bicarbonate Alkalinity as CaCO3	881		5.00	2.50	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-46

Lab Sample ID: 310-308226-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	58.5		10.0	4.50	mg/L	10		9056A	Total/NA
Sulfate	342		10.0	4.20	mg/L	10		9056A	Total/NA
Arsenic	0.000672	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Sodium	79.0		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	0.957		0.500	0.170	mg/L	1		6020B	Total/NA
Calcium	112		0.500	0.190	mg/L	1		6020B	Total/NA
Magnesium	41.8		0.500	0.150	mg/L	1		6020B	Total/NA
Bicarbonate Alkalinity as CaCO3	263		5.00	2.50	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-47

Lab Sample ID: 310-308226-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	41.2		10.0	4.50	mg/L	10		9056A	Total/NA
Sulfate	80.7		10.0	4.20	mg/L	10		9056A	Total/NA
Arsenic	0.000634	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Sodium	22.4		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	0.563		0.500	0.170	mg/L	1		6020B	Total/NA
Calcium	84.8		0.500	0.190	mg/L	1		6020B	Total/NA
Magnesium	35.7		0.500	0.150	mg/L	1		6020B	Total/NA
Bicarbonate Alkalinity as CaCO3	348		5.00	2.50	mg/L	1		SM 2320B	Total/NA

Client Sample ID: Trip Blank 1

Lab Sample ID: 310-308226-13

No Detections.

Client Sample ID: Trip Blank 2

Lab Sample ID: 310-308226-14

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

5

8

9

9/5/2025 (Rev. 1)

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-18R

Lab Sample ID: 310-308226-1

Date Collected: 06/03/25 15:35

Matrix: Groundwater

Date Received: 06/06/25 09:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.79	J	5.00	2.25	mg/L			06/16/25 11:54	5
Sulfate	<5.00		5.00	2.10	mg/L			06/16/25 11:54	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.000581	J	0.00200	0.000530	mg/L		06/10/25 09:00	06/11/25 14:50	1
Sodium	21.8		1.00	0.650	mg/L		06/10/25 09:00	06/11/25 14:50	1
Potassium	4.38		0.500	0.170	mg/L		06/10/25 09:00	06/11/25 14:50	1
Calcium	97.2		0.500	0.190	mg/L		06/10/25 09:00	06/11/25 14:50	1
Magnesium	39.5		0.500	0.150	mg/L		06/10/25 09:00	06/11/25 14:50	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		06/10/25 09:00	06/11/25 14:50	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 13:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	518		5.00	2.50	mg/L			06/12/25 11:16	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/12/25 11:16	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-33A

Lab Sample ID: 310-308226-2

Date Collected: 06/03/25 14:13

Matrix: Groundwater

Date Received: 06/06/25 09:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.2		10.0	4.50	mg/L			06/13/25 14:35	10
Sulfate	2.33	J	5.00	2.10	mg/L			06/16/25 12:06	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0153		0.00200	0.000530	mg/L		06/10/25 09:00	06/11/25 14:52	1
Sodium	44.4		1.00	0.650	mg/L		06/10/25 09:00	06/11/25 14:52	1
Potassium	2.66		0.500	0.170	mg/L		06/10/25 09:00	06/11/25 14:52	1
Calcium	155		0.500	0.190	mg/L		06/10/25 09:00	06/11/25 14:52	1
Magnesium	80.5		0.500	0.150	mg/L		06/10/25 09:00	06/11/25 14:52	1
Cobalt	0.000300	J	0.000500	0.000170	mg/L		06/10/25 09:00	06/11/25 14:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	49.0		15.0	10.5	mg/L			06/09/25 13:57	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	836		5.00	2.50	mg/L			06/12/25 11:27	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/12/25 11:27	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-33B
Date Collected: 06/03/25 14:55
Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-3
Matrix: Groundwater

Method: SW846 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00145	J	0.00200	0.000530	mg/L		06/10/25 09:00	06/11/25 14:55	1
Cobalt	0.000435	J	0.000500	0.000170	mg/L		06/10/25 09:00	06/11/25 14:55	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	6.12		1.88	1.31	mg/L			06/09/25 13:13	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-34

Lab Sample ID: 310-308226-4

Date Collected: 06/03/25 13:31

Matrix: Groundwater

Date Received: 06/06/25 09:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.1		10.0	4.50	mg/L			06/13/25 14:47	10
Sulfate	35.2		10.0	4.20	mg/L			06/13/25 14:47	10

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		06/10/25 09:00	06/11/25 14:57	1
Sodium	18.8		1.00	0.650	mg/L		06/10/25 09:00	06/11/25 14:57	1
Potassium	0.302	J	0.500	0.170	mg/L		06/10/25 09:00	06/11/25 14:57	1
Calcium	173		0.500	0.190	mg/L		06/10/25 09:00	06/11/25 14:57	1
Magnesium	77.2		0.500	0.150	mg/L		06/10/25 09:00	06/11/25 14:57	1
Cobalt	0.00853		0.000500	0.000170	mg/L		06/10/25 09:00	06/11/25 14:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	2.75		1.88	1.31	mg/L			06/09/25 13:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	772		5.00	2.50	mg/L			06/12/25 11:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/12/25 11:41	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-35

Date Collected: 06/03/25 16:28

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-5

Matrix: Groundwater

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.5		10.0	4.50	mg/L			06/13/25 14:59	10
Sulfate	<5.00		5.00	2.10	mg/L			06/16/25 12:18	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0498		0.00200	0.000530	mg/L		06/10/25 09:00	06/11/25 15:00	1
Sodium	33.0		1.00	0.650	mg/L		06/10/25 09:00	06/11/25 15:00	1
Potassium	4.69		0.500	0.170	mg/L		06/10/25 09:00	06/11/25 15:00	1
Calcium	207		0.500	0.190	mg/L		06/10/25 09:00	06/11/25 15:00	1
Magnesium	70.0		0.500	0.150	mg/L		06/10/25 09:00	06/11/25 15:00	1
Cobalt	0.000425	J	0.000500	0.000170	mg/L		06/10/25 09:00	06/11/25 15:00	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			06/09/25 13:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	993		5.00	2.50	mg/L			06/12/25 12:08	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/12/25 12:08	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-37

Date Collected: 06/03/25 17:09

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-6

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 16:27	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 16:27	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 16:27	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 16:27	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 16:27	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 16:27	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 16:27	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 16:27	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 16:27	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 16:27	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 16:27	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 16:27	1
1,4-Dichlorobenzene	2.09		1.00	0.230	ug/L			06/10/25 16:27	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 16:27	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 16:27	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 16:27	1
Acetone	12.6		10.0	3.10	ug/L			06/10/25 16:27	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 16:27	1
Benzene	1.20		0.500	0.220	ug/L			06/10/25 16:27	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 16:27	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 16:27	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 16:27	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 16:27	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 16:27	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 16:27	1
Chlorobenzene	1.05		1.00	0.400	ug/L			06/10/25 16:27	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 16:27	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 16:27	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 16:27	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 16:27	1
cis-1,2-Dichloroethene	0.244 J		1.00	0.210	ug/L			06/10/25 16:27	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 16:27	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 16:27	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 16:27	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 16:27	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 16:27	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 16:27	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 16:27	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 16:27	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 16:27	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 16:27	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 16:27	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 16:27	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 16:27	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 16:27	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 16:27	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		76 - 130		06/10/25 16:27	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-37

Date Collected: 06/03/25 17:09

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-6

Matrix: Groundwater

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		06/10/25 16:27	1
4-Bromofluorobenzene (Surr)	101		80 - 120		06/10/25 16:27	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		10.0	4.50	mg/L			06/13/25 15:11	10
Sulfate	354		10.0	4.20	mg/L			06/13/25 15:11	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.116		0.00200	0.000530	mg/L		06/10/25 09:00	06/11/25 15:09	1
Sodium	99.4		1.00	0.650	mg/L		06/10/25 09:00	06/11/25 15:09	1
Potassium	3.05		0.500	0.170	mg/L		06/10/25 09:00	06/11/25 15:09	1
Calcium	218		0.500	0.190	mg/L		06/10/25 09:00	06/11/25 15:09	1
Magnesium	208		2.00	0.600	mg/L		06/10/25 09:00	06/12/25 15:02	4
Cobalt	0.0116		0.000500	0.000170	mg/L		06/10/25 09:00	06/11/25 15:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	118		15.0	10.5	mg/L			06/09/25 13:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	1180		5.00	2.50	mg/L			06/12/25 12:24	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/12/25 12:24	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-38
Date Collected: 06/03/25 08:26
Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-7
Matrix: Groundwater

Method: SW846 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00176	J	0.00200	0.000530	mg/L		06/10/25 09:00	06/11/25 15:12	1
Cobalt	0.000616		0.000500	0.000170	mg/L		06/10/25 09:00	06/11/25 15:12	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	15.3		3.75	2.63	mg/L			06/09/25 13:13	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-39

Lab Sample ID: 310-308226-8

Date Collected: 06/02/25 15:48

Matrix: Groundwater

Date Received: 06/06/25 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			06/09/25 15:12	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/09/25 15:12	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/09/25 15:12	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/09/25 15:12	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/09/25 15:12	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/09/25 15:12	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/09/25 15:12	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/09/25 15:12	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/09/25 15:12	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/09/25 15:12	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/09/25 15:12	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/09/25 15:12	1
1,4-Dichlorobenzene	0.375	J	1.00	0.230	ug/L			06/09/25 15:12	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/09/25 15:12	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/09/25 15:12	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/09/25 15:12	1
Acetone	7.66	J	10.0	3.10	ug/L			06/09/25 15:12	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/09/25 15:12	1
Benzene	<0.500		0.500	0.220	ug/L			06/09/25 15:12	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/09/25 15:12	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/09/25 15:12	1
Bromoform	<5.00		5.00	0.780	ug/L			06/09/25 15:12	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/09/25 15:12	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/09/25 15:12	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/09/25 15:12	1
Chlorobenzene	0.410	J	1.00	0.400	ug/L			06/09/25 15:12	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/09/25 15:12	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/09/25 15:12	1
Chloroform	<3.00		3.00	1.30	ug/L			06/09/25 15:12	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/09/25 15:12	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/09/25 15:12	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/09/25 15:12	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/09/25 15:12	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/09/25 15:12	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/09/25 15:12	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/09/25 15:12	1
Styrene	<1.00		1.00	0.370	ug/L			06/09/25 15:12	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/09/25 15:12	1
Toluene	<1.00		1.00	0.430	ug/L			06/09/25 15:12	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/09/25 15:12	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/09/25 15:12	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/09/25 15:12	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/09/25 15:12	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/09/25 15:12	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/09/25 15:12	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/09/25 15:12	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/09/25 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	112		76 - 130		06/09/25 15:12	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-39

Date Collected: 06/02/25 15:48

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-8

Matrix: Groundwater

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		06/09/25 15:12	1
4-Bromofluorobenzene (Surr)	101		80 - 120		06/09/25 15:12	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	219		10.0	4.50	mg/L			06/13/25 15:24	10
Sulfate	666		10.0	4.20	mg/L			06/13/25 15:24	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00437		0.00200	0.000530	mg/L		06/10/25 09:00	06/11/25 15:14	1
Sodium	177		1.00	0.650	mg/L		06/10/25 09:00	06/11/25 15:14	1
Potassium	0.325 J		0.500	0.170	mg/L		06/10/25 09:00	06/11/25 15:14	1
Calcium	292		0.500	0.190	mg/L		06/10/25 09:00	06/11/25 15:14	1
Magnesium	129		2.00	0.600	mg/L		06/10/25 09:00	06/12/25 15:05	4
Cobalt	0.0178		0.000500	0.000170	mg/L		06/10/25 09:00	06/11/25 15:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	5.13		1.88	1.31	mg/L			06/09/25 13:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	776		5.00	2.50	mg/L			06/12/25 12:40	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/12/25 12:40	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-44

Lab Sample ID: 310-308226-9

Date Collected: 06/02/25 17:44

Matrix: Groundwater

Date Received: 06/06/25 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			06/09/25 15:35	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/09/25 15:35	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/09/25 15:35	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/09/25 15:35	1
1,1-Dichloroethane	0.231	J	1.00	0.220	ug/L			06/09/25 15:35	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/09/25 15:35	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/09/25 15:35	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/09/25 15:35	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/09/25 15:35	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/09/25 15:35	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/09/25 15:35	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/09/25 15:35	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/09/25 15:35	1
2-Butanone (MEK)	3.92	J	10.0	2.10	ug/L			06/09/25 15:35	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/09/25 15:35	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/09/25 15:35	1
Acetone	8.61	J	10.0	3.10	ug/L			06/09/25 15:35	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/09/25 15:35	1
Benzene	<0.500		0.500	0.220	ug/L			06/09/25 15:35	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/09/25 15:35	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/09/25 15:35	1
Bromoform	<5.00		5.00	0.780	ug/L			06/09/25 15:35	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/09/25 15:35	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/09/25 15:35	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/09/25 15:35	1
Chlorobenzene	3.48		1.00	0.400	ug/L			06/09/25 15:35	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/09/25 15:35	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/09/25 15:35	1
Chloroform	<3.00		3.00	1.30	ug/L			06/09/25 15:35	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/09/25 15:35	1
cis-1,2-Dichloroethene	3.49		1.00	0.210	ug/L			06/09/25 15:35	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/09/25 15:35	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/09/25 15:35	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/09/25 15:35	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/09/25 15:35	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/09/25 15:35	1
Styrene	<1.00		1.00	0.370	ug/L			06/09/25 15:35	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/09/25 15:35	1
Toluene	<1.00		1.00	0.430	ug/L			06/09/25 15:35	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/09/25 15:35	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/09/25 15:35	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/09/25 15:35	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/09/25 15:35	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/09/25 15:35	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/09/25 15:35	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/09/25 15:35	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/09/25 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	116		76 - 130		06/09/25 15:35	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-44

Date Collected: 06/02/25 17:44

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-9

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		06/09/25 15:35	1
4-Bromofluorobenzene (Surr)	104		80 - 120		06/09/25 15:35	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.7		10.0	4.50	mg/L			06/13/25 15:36	10
Sulfate	202		10.0	4.20	mg/L			06/13/25 15:36	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	23.1		1.00	0.650	mg/L		06/10/25 09:00	06/11/25 15:16	1
Potassium	0.346	J	0.500	0.170	mg/L		06/10/25 09:00	06/11/25 15:16	1
Calcium	182		0.500	0.190	mg/L		06/10/25 09:00	06/11/25 15:16	1
Magnesium	85.2		0.500	0.150	mg/L		06/10/25 09:00	06/11/25 15:16	1
Cobalt	0.0132		0.000500	0.000170	mg/L		06/10/25 09:00	06/11/25 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	33.0		15.0	10.5	mg/L			06/09/25 13:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	779		5.00	2.50	mg/L			06/12/25 12:54	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/12/25 12:54	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-45

Lab Sample ID: 310-308226-10

Date Collected: 06/02/25 16:54

Matrix: Groundwater

Date Received: 06/06/25 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			06/09/25 15:58	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/09/25 15:58	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/09/25 15:58	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/09/25 15:58	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/09/25 15:58	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/09/25 15:58	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/09/25 15:58	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/09/25 15:58	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/09/25 15:58	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/09/25 15:58	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/09/25 15:58	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/09/25 15:58	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/09/25 15:58	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/09/25 15:58	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/09/25 15:58	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/09/25 15:58	1
Acetone	3.44	J	10.0	3.10	ug/L			06/09/25 15:58	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/09/25 15:58	1
Benzene	<0.500		0.500	0.220	ug/L			06/09/25 15:58	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/09/25 15:58	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/09/25 15:58	1
Bromoform	<5.00		5.00	0.780	ug/L			06/09/25 15:58	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/09/25 15:58	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/09/25 15:58	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/09/25 15:58	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/09/25 15:58	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/09/25 15:58	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/09/25 15:58	1
Chloroform	<3.00		3.00	1.30	ug/L			06/09/25 15:58	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/09/25 15:58	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/09/25 15:58	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/09/25 15:58	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/09/25 15:58	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/09/25 15:58	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/09/25 15:58	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/09/25 15:58	1
Styrene	<1.00		1.00	0.370	ug/L			06/09/25 15:58	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/09/25 15:58	1
Toluene	<1.00		1.00	0.430	ug/L			06/09/25 15:58	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/09/25 15:58	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/09/25 15:58	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/09/25 15:58	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/09/25 15:58	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/09/25 15:58	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/09/25 15:58	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/09/25 15:58	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/09/25 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	114		76 - 130		06/09/25 15:58	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-45

Date Collected: 06/02/25 16:54

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-10

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		06/09/25 15:58	1
4-Bromofluorobenzene (Surr)	102		80 - 120		06/09/25 15:58	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	242		10.0	4.50	mg/L			06/13/25 15:48	10
Sulfate	591		10.0	4.20	mg/L			06/13/25 15:48	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00173	J	0.00200	0.000530	mg/L		06/13/25 09:00	06/13/25 19:03	1
Sodium	428		1.00	0.650	mg/L		06/13/25 09:00	06/16/25 15:16	1
Potassium	<0.500		0.500	0.170	mg/L		06/13/25 09:00	06/16/25 15:16	1
Calcium	194		0.500	0.190	mg/L		06/13/25 09:00	06/16/25 15:16	1
Magnesium	65.1		0.500	0.150	mg/L		06/13/25 09:00	06/16/25 15:16	1
Cobalt	0.00995		0.000500	0.000170	mg/L		06/13/25 09:00	06/13/25 19:03	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 13:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	881		5.00	2.50	mg/L			06/12/25 13:09	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/12/25 13:09	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-46

Lab Sample ID: 310-308226-11

Date Collected: 06/02/25 14:52

Matrix: Groundwater

Date Received: 06/06/25 09:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.5		10.0	4.50	mg/L			06/13/25 16:24	10
Sulfate	342		10.0	4.20	mg/L			06/13/25 16:24	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.000672	J	0.00200	0.000530	mg/L		06/10/25 09:00	06/11/25 15:21	1
Sodium	79.0		1.00	0.650	mg/L		06/10/25 09:00	06/11/25 15:21	1
Potassium	0.957		0.500	0.170	mg/L		06/10/25 09:00	06/11/25 15:21	1
Calcium	112		0.500	0.190	mg/L		06/10/25 09:00	06/11/25 15:21	1
Magnesium	41.8		0.500	0.150	mg/L		06/10/25 09:00	06/11/25 15:21	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		06/10/25 09:00	06/11/25 15:21	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 13:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	263		5.00	2.50	mg/L			06/12/25 13:30	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/12/25 13:30	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-47

Lab Sample ID: 310-308226-12

Date Collected: 06/02/25 18:39

Matrix: Groundwater

Date Received: 06/06/25 09:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.2		10.0	4.50	mg/L			06/13/25 16:36	10
Sulfate	80.7		10.0	4.20	mg/L			06/13/25 16:36	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.000634	J	0.00200	0.000530	mg/L		06/10/25 09:00	06/11/25 15:24	1
Sodium	22.4		1.00	0.650	mg/L		06/10/25 09:00	06/11/25 15:24	1
Potassium	0.563		0.500	0.170	mg/L		06/10/25 09:00	06/11/25 15:24	1
Calcium	84.8		0.500	0.190	mg/L		06/10/25 09:00	06/11/25 15:24	1
Magnesium	35.7		0.500	0.150	mg/L		06/10/25 09:00	06/11/25 15:24	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		06/10/25 09:00	06/11/25 15:24	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 13:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	348		5.00	2.50	mg/L			06/12/25 13:39	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			06/12/25 13:39	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: Trip Blank 1

Lab Sample ID: 310-308226-13

Date Collected: 06/03/25 00:00

Matrix: Trip Blank

Date Received: 06/06/25 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			06/10/25 11:30	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 11:30	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 11:30	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 11:30	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 11:30	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 11:30	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 11:30	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 11:30	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 11:30	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 11:30	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 11:30	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 11:30	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 11:30	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 11:30	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 11:30	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 11:30	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 11:30	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 11:30	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 11:30	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 11:30	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 11:30	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 11:30	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 11:30	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 11:30	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 11:30	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 11:30	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 11:30	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 11:30	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 11:30	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 11:30	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 11:30	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 11:30	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 11:30	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 11:30	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 11:30	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 11:30	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 11:30	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 11:30	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 11:30	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 11:30	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 11:30	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 11:30	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 11:30	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 11:30	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 11:30	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 11:30	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 11:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		76 - 130		06/10/25 11:30	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: Trip Blank 1
Date Collected: 06/03/25 00:00
Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-13
Matrix: Trip Blank

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 11:30	1
4-Bromofluorobenzene (Surr)	106		80 - 120		06/10/25 11:30	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: Trip Blank 2

Lab Sample ID: 310-308226-14

Date Collected: 06/03/25 00:00

Matrix: Trip Blank

Date Received: 06/06/25 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			06/10/25 11:53	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 11:53	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 11:53	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 11:53	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 11:53	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 11:53	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 11:53	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 11:53	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 11:53	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 11:53	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 11:53	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 11:53	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 11:53	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 11:53	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 11:53	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 11:53	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 11:53	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 11:53	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 11:53	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 11:53	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 11:53	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 11:53	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 11:53	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 11:53	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 11:53	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 11:53	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 11:53	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 11:53	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 11:53	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 11:53	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 11:53	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 11:53	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 11:53	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 11:53	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 11:53	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 11:53	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 11:53	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 11:53	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 11:53	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 11:53	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 11:53	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 11:53	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 11:53	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 11:53	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 11:53	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 11:53	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	109		76 - 130		06/10/25 11:53	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: Trip Blank 2
Date Collected: 06/03/25 00:00
Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-14
Matrix: Trip Blank

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 11:53	1
4-Bromofluorobenzene (Surr)	105		80 - 120		06/10/25 11:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: Trip Blank 3

Lab Sample ID: 310-308226-15

Date Collected: 06/03/25 00:00

Matrix: Trip Blank

Date Received: 06/06/25 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			06/10/25 12:16	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/10/25 12:16	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/10/25 12:16	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/10/25 12:16	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/10/25 12:16	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/10/25 12:16	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/10/25 12:16	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/10/25 12:16	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/10/25 12:16	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/10/25 12:16	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/10/25 12:16	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/10/25 12:16	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/10/25 12:16	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/10/25 12:16	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/10/25 12:16	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/10/25 12:16	1
Acetone	<10.0		10.0	3.10	ug/L			06/10/25 12:16	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/10/25 12:16	1
Benzene	<0.500		0.500	0.220	ug/L			06/10/25 12:16	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/10/25 12:16	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/10/25 12:16	1
Bromoform	<5.00		5.00	0.780	ug/L			06/10/25 12:16	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/10/25 12:16	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/10/25 12:16	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/10/25 12:16	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/10/25 12:16	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/10/25 12:16	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/10/25 12:16	1
Chloroform	<3.00		3.00	1.30	ug/L			06/10/25 12:16	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/10/25 12:16	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/10/25 12:16	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/10/25 12:16	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/10/25 12:16	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/10/25 12:16	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/10/25 12:16	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/10/25 12:16	1
Styrene	<1.00		1.00	0.370	ug/L			06/10/25 12:16	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/10/25 12:16	1
Toluene	<1.00		1.00	0.430	ug/L			06/10/25 12:16	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/10/25 12:16	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/10/25 12:16	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/10/25 12:16	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/10/25 12:16	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/10/25 12:16	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/10/25 12:16	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/10/25 12:16	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/10/25 12:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		76 - 130		06/10/25 12:16	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: Trip Blank 3
Date Collected: 06/03/25 00:00
Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-15
Matrix: Trip Blank

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 12:16	1
4-Bromofluorobenzene (Surr)	102		80 - 120		06/10/25 12:16	1

Definitions/Glossary

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

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
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: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

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

Matrix: Groundwater

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-308226-6	MW-37	110	94	101
310-308226-8	MW-39	112	93	101
310-308226-9	MW-44	116	92	104
310-308226-10	MW-45	114	92	102

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Trip Blank

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-308226-13	Trip Blank 1	111	92	106
310-308226-14	Trip Blank 2	109	92	105
310-308226-15	Trip Blank 3	110	91	102

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (76-130)	TOL (80-120)	BFB (80-120)
LCS 310-456979/6	Lab Control Sample	99	100	102
LCS 310-456979/7	Lab Control Sample	111	93	100
LCS 310-456984/6	Lab Control Sample	101	101	101
LCS 310-456984/7	Lab Control Sample	114	92	101
MB 310-456979/5	Method Blank	110	93	101
MB 310-456984/5	Method Blank	111	92	104

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

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

Lab Sample ID: MB 310-456979/5

Matrix: Water

Analysis Batch: 456979

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			06/09/25 11:04	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			06/09/25 11:04	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			06/09/25 11:04	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			06/09/25 11:04	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			06/09/25 11:04	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			06/09/25 11:04	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			06/09/25 11:04	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			06/09/25 11:04	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			06/09/25 11:04	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			06/09/25 11:04	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			06/09/25 11:04	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			06/09/25 11:04	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			06/09/25 11:04	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			06/09/25 11:04	1
2-Hexanone	<10.0		10.0	2.00	ug/L			06/09/25 11:04	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			06/09/25 11:04	1
Acetone	<10.0		10.0	3.10	ug/L			06/09/25 11:04	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			06/09/25 11:04	1
Benzene	<0.500		0.500	0.220	ug/L			06/09/25 11:04	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			06/09/25 11:04	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			06/09/25 11:04	1
Bromoform	<5.00		5.00	0.780	ug/L			06/09/25 11:04	1
Bromomethane	<4.00		4.00	1.10	ug/L			06/09/25 11:04	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			06/09/25 11:04	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			06/09/25 11:04	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			06/09/25 11:04	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			06/09/25 11:04	1
Chloroethane	<4.00		4.00	0.790	ug/L			06/09/25 11:04	1
Chloroform	<3.00		3.00	1.30	ug/L			06/09/25 11:04	1
Chloromethane	<3.00		3.00	0.610	ug/L			06/09/25 11:04	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			06/09/25 11:04	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			06/09/25 11:04	1
Dibromomethane	<1.00		1.00	0.330	ug/L			06/09/25 11:04	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			06/09/25 11:04	1
Iodomethane	<10.0		10.0	7.00	ug/L			06/09/25 11:04	1
Methylene chloride	<5.00		5.00	1.70	ug/L			06/09/25 11:04	1
Styrene	<1.00		1.00	0.370	ug/L			06/09/25 11:04	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			06/09/25 11:04	1
Toluene	<1.00		1.00	0.430	ug/L			06/09/25 11:04	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			06/09/25 11:04	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			06/09/25 11:04	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			06/09/25 11:04	1
Trichloroethene	<1.00		1.00	0.430	ug/L			06/09/25 11:04	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			06/09/25 11:04	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			06/09/25 11:04	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			06/09/25 11:04	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			06/09/25 11:04	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

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

Lab Sample ID: MB 310-456979/5

Matrix: Water

Analysis Batch: 456979

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		76 - 130		06/09/25 11:04	1
Toluene-d8 (Surr)	93		80 - 120		06/09/25 11:04	1
4-Bromofluorobenzene (Surr)	101		80 - 120		06/09/25 11:04	1

Lab Sample ID: LCS 310-456979/6

Matrix: Water

Analysis Batch: 456979

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	18.08		ug/L		90	70 - 121
1,1,1-Trichloroethane	20.0	19.84		ug/L		99	69 - 130
1,1,2,2-Tetrachloroethane	20.0	18.73		ug/L		94	70 - 122
1,1,2-Trichloroethane	20.0	19.87		ug/L		99	75 - 121
1,1-Dichloroethane	20.0	19.10		ug/L		96	69 - 127
1,1-Dichloroethene	20.0	19.70		ug/L		99	64 - 134
1,2,3-Trichloropropane	20.0	18.80		ug/L		94	70 - 122
1,2-Dibromo-3-chloropropane	20.0	19.71		ug/L		99	62 - 132
1,2-Dibromoethane (EDB)	20.0	19.82		ug/L		99	74 - 122
1,2-Dichlorobenzene	20.0	19.04		ug/L		95	74 - 120
1,2-Dichloroethane	20.0	18.38		ug/L		92	68 - 125
1,2-Dichloropropane	20.0	20.24		ug/L		101	72 - 128
1,4-Dichlorobenzene	20.0	18.45		ug/L		92	72 - 120
2-Butanone (MEK)	40.0	38.36		ug/L		96	60 - 134
2-Hexanone	40.0	39.98		ug/L		100	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	38.09		ug/L		95	62 - 136
Acetone	40.0	42.53		ug/L		106	59 - 136
Acrylonitrile	200	205.3		ug/L		103	50 - 150
Benzene	20.0	19.54		ug/L		98	71 - 125
Bromochloromethane	20.0	20.51		ug/L		103	69 - 131
Bromodichloromethane	20.0	18.38		ug/L		92	70 - 122
Bromoform	20.0	17.06		ug/L		85	62 - 122
Carbon disulfide	20.0	19.62		ug/L		98	58 - 137
Carbon tetrachloride	20.0	19.65		ug/L		98	63 - 136
Chlorobenzene	20.0	18.50		ug/L		93	74 - 120
Chlorodibromomethane	20.0	16.66		ug/L		83	69 - 121
Chloroform	20.0	18.41		ug/L		92	72 - 122
cis-1,2-Dichloroethene	20.0	19.35		ug/L		97	72 - 123
cis-1,3-Dichloropropene	20.0	16.91		ug/L		85	72 - 123
Dibromomethane	20.0	19.08		ug/L		95	72 - 122
Ethylbenzene	20.0	19.15		ug/L		96	75 - 120
Iodomethane	20.0	15.55		ug/L		78	18 - 150
Methylene chloride	20.0	21.77		ug/L		109	72 - 128
Styrene	20.0	19.56		ug/L		98	74 - 122
Tetrachloroethene	20.0	19.52		ug/L		98	70 - 128
Toluene	20.0	19.09		ug/L		95	74 - 120
trans-1,2-Dichloroethene	20.0	19.64		ug/L		98	67 - 127
trans-1,3-Dichloropropene	20.0	16.08		ug/L		80	67 - 123
trans-1,4-Dichloro-2-butene	20.0	18.70		ug/L		94	50 - 150

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

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

Lab Sample ID: LCS 310-456979/6

Matrix: Water

Analysis Batch: 456979

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	20.0	19.25		ug/L		96	70 - 128
Vinyl acetate	40.0	36.11		ug/L		90	50 - 150
Xylenes, Total	40.0	38.89		ug/L		97	74 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	99		76 - 130
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120

Lab Sample ID: LCS 310-456979/7

Matrix: Water

Analysis Batch: 456979

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	15.05		ug/L		75	33 - 138
Chloroethane	20.0	15.81		ug/L		79	59 - 139
Chloromethane	20.0	16.83		ug/L		84	52 - 146
Trichlorofluoromethane	20.0	16.14		ug/L		81	55 - 150
Vinyl chloride	20.0	15.76		ug/L		79	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	111		76 - 130
Toluene-d8 (Surr)	93		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120

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

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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

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

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

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
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
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

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

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

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
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 310-457798/3

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
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 310-457037/1-A

Matrix: Water

Analysis Batch: 457336

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 457037

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		06/10/25 09:00	06/11/25 14:19	1
Sodium	<1.00		1.00	0.650	mg/L		06/10/25 09:00	06/11/25 14:19	1
Potassium	<0.500		0.500	0.170	mg/L		06/10/25 09:00	06/11/25 14:19	1
Calcium	<0.500		0.500	0.190	mg/L		06/10/25 09:00	06/11/25 14:19	1
Magnesium	<0.500		0.500	0.150	mg/L		06/10/25 09:00	06/11/25 14:19	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		06/10/25 09:00	06/11/25 14:19	1

Lab Sample ID: LCS 310-457037/2-A

Matrix: Water

Analysis Batch: 457336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 457037

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.2024		mg/L		101	80 - 120
Sodium	2.00	2.083		mg/L		104	80 - 120
Potassium	2.00	1.911		mg/L		96	80 - 120
Calcium	2.00	1.803		mg/L		90	80 - 120
Magnesium	2.00	1.820		mg/L		91	80 - 120

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

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

Lab Sample ID: LCS 310-457037/2-A

Matrix: Water

Analysis Batch: 457336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 457037

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.100	0.09334		mg/L		93	80 - 120

Lab Sample ID: 310-308226-5 DU

Matrix: Groundwater

Analysis Batch: 457336

Client Sample ID: MW-35

Prep Type: Total/NA

Prep Batch: 457037

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Arsenic	0.0498		0.05095		mg/L		2	20
Sodium	33.0		33.31		mg/L		1	20
Potassium	4.69		4.741		mg/L		1	20
Calcium	207		212.2		mg/L		2	20
Magnesium	70.0		71.86		mg/L		3	20
Cobalt	0.000425 J		0.0004270 J		mg/L		0.5	20

Lab Sample ID: MB 310-457445/1-A

Matrix: Water

Analysis Batch: 457663

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 457445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		06/13/25 09:00	06/13/25 17:53	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		06/13/25 09:00	06/13/25 17:53	1

Lab Sample ID: MB 310-457445/1-A

Matrix: Water

Analysis Batch: 457780

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 457445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<1.00		1.00	0.650	mg/L		06/13/25 09:00	06/16/25 14:37	1
Potassium	<0.500		0.500	0.170	mg/L		06/13/25 09:00	06/16/25 14:37	1
Calcium	<0.500		0.500	0.190	mg/L		06/13/25 09:00	06/16/25 14:37	1
Magnesium	<0.500		0.500	0.150	mg/L		06/13/25 09:00	06/16/25 14:37	1

Lab Sample ID: LCS 310-457445/2-A

Matrix: Water

Analysis Batch: 457663

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 457445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.1937		mg/L		97	80 - 120
Cobalt	0.100	0.09360		mg/L		94	80 - 120

Lab Sample ID: LCS 310-457445/2-A

Matrix: Water

Analysis Batch: 457780

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 457445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	2.00	1.987		mg/L		99	80 - 120
Potassium	2.00	1.765		mg/L		88	80 - 120
Calcium	2.00	1.718		mg/L		86	80 - 120
Magnesium	2.00	1.821		mg/L		91	80 - 120

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

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

Lab Sample ID: MB 310-457011/1

Matrix: Water

Analysis Batch: 457011

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 13:13	1

Lab Sample ID: LCS 310-457011/2

Matrix: Water

Analysis Batch: 457011

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	104.0		mg/L		104	82 - 117

Lab Sample ID: 310-308226-9 DU

Matrix: Groundwater

Analysis Batch: 457011

Client Sample ID: MW-44

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	33.0		34.00		mg/L		3	35

Lab Sample ID: MB 310-457018/1

Matrix: Water

Analysis Batch: 457018

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 13:57	1

Lab Sample ID: LCS 310-457018/2

Matrix: Water

Analysis Batch: 457018

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

Method: SM 2320B - Alkalinity

Lab Sample ID: 310-308226-4 DU

Matrix: Groundwater

Analysis Batch: 457475

Client Sample ID: MW-34

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity as CaCO3	772		763.5		mg/L		1	
Carbonate Alkalinity as CaCO3	<5.00		<5.00		mg/L		NC	

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

GC/MS VOA

Analysis Batch: 456979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308226-8	MW-39	Total/NA	Groundwater	8260D	
310-308226-9	MW-44	Total/NA	Groundwater	8260D	
310-308226-10	MW-45	Total/NA	Groundwater	8260D	
MB 310-456979/5	Method Blank	Total/NA	Water	8260D	
LCS 310-456979/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-456979/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 456984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308226-6	MW-37	Total/NA	Groundwater	8260D	
310-308226-13	Trip Blank 1	Total/NA	Trip Blank	8260D	
310-308226-14	Trip Blank 2	Total/NA	Trip Blank	8260D	
310-308226-15	Trip Blank 3	Total/NA	Trip Blank	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: 457798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308226-1	MW-18R	Total/NA	Groundwater	9056A	
310-308226-2	MW-33A	Total/NA	Groundwater	9056A	
310-308226-2	MW-33A	Total/NA	Groundwater	9056A	
310-308226-4	MW-34	Total/NA	Groundwater	9056A	
310-308226-5	MW-35	Total/NA	Groundwater	9056A	
310-308226-5	MW-35	Total/NA	Groundwater	9056A	
310-308226-6	MW-37	Total/NA	Groundwater	9056A	
310-308226-8	MW-39	Total/NA	Groundwater	9056A	
310-308226-9	MW-44	Total/NA	Groundwater	9056A	
310-308226-10	MW-45	Total/NA	Groundwater	9056A	
310-308226-11	MW-46	Total/NA	Groundwater	9056A	
310-308226-12	MW-47	Total/NA	Groundwater	9056A	
MB 310-457798/3	Method Blank	Total/NA	Water	9056A	
LCS 310-457798/4	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 457037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308226-1	MW-18R	Total/NA	Groundwater	3005A	
310-308226-2	MW-33A	Total/NA	Groundwater	3005A	
310-308226-3	MW-33B	Total/NA	Groundwater	3005A	
310-308226-4	MW-34	Total/NA	Groundwater	3005A	
310-308226-5	MW-35	Total/NA	Groundwater	3005A	
310-308226-6	MW-37	Total/NA	Groundwater	3005A	
310-308226-7	MW-38	Total/NA	Groundwater	3005A	
310-308226-8	MW-39	Total/NA	Groundwater	3005A	
310-308226-9	MW-44	Total/NA	Groundwater	3005A	
310-308226-11	MW-46	Total/NA	Groundwater	3005A	
310-308226-12	MW-47	Total/NA	Groundwater	3005A	
MB 310-457037/1-A	Method Blank	Total/NA	Water	3005A	

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Metals (Continued)

Prep Batch: 457037 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-457037/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-308226-5 DU	MW-35	Total/NA	Groundwater	3005A	

Analysis Batch: 457336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308226-1	MW-18R	Total/NA	Groundwater	6020B	457037
310-308226-2	MW-33A	Total/NA	Groundwater	6020B	457037
310-308226-3	MW-33B	Total/NA	Groundwater	6020B	457037
310-308226-4	MW-34	Total/NA	Groundwater	6020B	457037
310-308226-5	MW-35	Total/NA	Groundwater	6020B	457037
310-308226-6	MW-37	Total/NA	Groundwater	6020B	457037
310-308226-7	MW-38	Total/NA	Groundwater	6020B	457037
310-308226-8	MW-39	Total/NA	Groundwater	6020B	457037
310-308226-9	MW-44	Total/NA	Groundwater	6020B	457037
310-308226-11	MW-46	Total/NA	Groundwater	6020B	457037
310-308226-12	MW-47	Total/NA	Groundwater	6020B	457037
MB 310-457037/1-A	Method Blank	Total/NA	Water	6020B	457037
LCS 310-457037/2-A	Lab Control Sample	Total/NA	Water	6020B	457037
310-308226-5 DU	MW-35	Total/NA	Groundwater	6020B	457037

Prep Batch: 457445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308226-10	MW-45	Total/NA	Groundwater	3005A	
MB 310-457445/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-457445/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 457455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308226-6	MW-37	Total/NA	Groundwater	6020B	457037
310-308226-8	MW-39	Total/NA	Groundwater	6020B	457037

Analysis Batch: 457663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308226-10	MW-45	Total/NA	Groundwater	6020B	457445
MB 310-457445/1-A	Method Blank	Total/NA	Water	6020B	457445
LCS 310-457445/2-A	Lab Control Sample	Total/NA	Water	6020B	457445

Analysis Batch: 457780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308226-10	MW-45	Total/NA	Groundwater	6020B	457445
MB 310-457445/1-A	Method Blank	Total/NA	Water	6020B	457445
LCS 310-457445/2-A	Lab Control Sample	Total/NA	Water	6020B	457445

General Chemistry

Analysis Batch: 457011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308226-1	MW-18R	Total/NA	Groundwater	I-3765-85	
310-308226-3	MW-33B	Total/NA	Groundwater	I-3765-85	
310-308226-4	MW-34	Total/NA	Groundwater	I-3765-85	
310-308226-5	MW-35	Total/NA	Groundwater	I-3765-85	

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

General Chemistry (Continued)

Analysis Batch: 457011 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308226-6	MW-37	Total/NA	Groundwater	I-3765-85	
310-308226-7	MW-38	Total/NA	Groundwater	I-3765-85	
310-308226-8	MW-39	Total/NA	Groundwater	I-3765-85	
310-308226-9	MW-44	Total/NA	Groundwater	I-3765-85	
310-308226-10	MW-45	Total/NA	Groundwater	I-3765-85	
310-308226-11	MW-46	Total/NA	Groundwater	I-3765-85	
310-308226-12	MW-47	Total/NA	Groundwater	I-3765-85	
MB 310-457011/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-457011/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-308226-9 DU	MW-44	Total/NA	Groundwater	I-3765-85	

Analysis Batch: 457018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308226-2	MW-33A	Total/NA	Groundwater	I-3765-85	
MB 310-457018/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-457018/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 457475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-308226-1	MW-18R	Total/NA	Groundwater	SM 2320B	
310-308226-2	MW-33A	Total/NA	Groundwater	SM 2320B	
310-308226-4	MW-34	Total/NA	Groundwater	SM 2320B	
310-308226-5	MW-35	Total/NA	Groundwater	SM 2320B	
310-308226-6	MW-37	Total/NA	Groundwater	SM 2320B	
310-308226-8	MW-39	Total/NA	Groundwater	SM 2320B	
310-308226-9	MW-44	Total/NA	Groundwater	SM 2320B	
310-308226-10	MW-45	Total/NA	Groundwater	SM 2320B	
310-308226-11	MW-46	Total/NA	Groundwater	SM 2320B	
310-308226-12	MW-47	Total/NA	Groundwater	SM 2320B	
LCS 310-457475/16	Lab Control Sample	Total/NA	Water	SM 2320B	
310-308226-4 DU	MW-34	Total/NA	Groundwater	SM 2320B	

Analysis Batch: 457497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-457497/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-18R

Date Collected: 06/03/25 15:35

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-1

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	457798	QTZ5	EET CF	06/16/25 11:54
Total/NA	Prep	3005A			457037	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		1	457336	NFT2	EET CF	06/11/25 14:50
Total/NA	Analysis	I-3765-85		1	457011	E6KR	EET CF	06/09/25 13:13
Total/NA	Analysis	SM 2320B		1	457475	HE7K	EET CF	06/12/25 11:16

Client Sample ID: MW-33A

Date Collected: 06/03/25 14:13

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-2

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		10	457798	QTZ5	EET CF	06/13/25 14:35
Total/NA	Analysis	9056A		5	457798	QTZ5	EET CF	06/16/25 12:06
Total/NA	Prep	3005A			457037	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		1	457336	NFT2	EET CF	06/11/25 14:52
Total/NA	Analysis	I-3765-85		1	457018	E6KR	EET CF	06/09/25 13:57
Total/NA	Analysis	SM 2320B		1	457475	HE7K	EET CF	06/12/25 11:27

Client Sample ID: MW-33B

Date Collected: 06/03/25 14:55

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-3

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			457037	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		1	457336	NFT2	EET CF	06/11/25 14:55
Total/NA	Analysis	I-3765-85		1	457011	E6KR	EET CF	06/09/25 13:13

Client Sample ID: MW-34

Date Collected: 06/03/25 13:31

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-4

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		10	457798	QTZ5	EET CF	06/13/25 14:47
Total/NA	Prep	3005A			457037	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		1	457336	NFT2	EET CF	06/11/25 14:57
Total/NA	Analysis	I-3765-85		1	457011	E6KR	EET CF	06/09/25 13:13
Total/NA	Analysis	SM 2320B		1	457475	HE7K	EET CF	06/12/25 11:41

Client Sample ID: MW-35

Date Collected: 06/03/25 16:28

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-5

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		10	457798	QTZ5	EET CF	06/13/25 14:59

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-35

Date Collected: 06/03/25 16:28

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-5

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	457798	QTZ5	EET CF	06/16/25 12:18
Total/NA	Prep	3005A			457037	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		1	457336	NFT2	EET CF	06/11/25 15:00
Total/NA	Analysis	I-3765-85		1	457011	E6KR	EET CF	06/09/25 13:13
Total/NA	Analysis	SM 2320B		1	457475	HE7K	EET CF	06/12/25 12:08

Client Sample ID: MW-37

Date Collected: 06/03/25 17:09

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-6

Matrix: Groundwater

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 16:27
Total/NA	Analysis	9056A		10	457798	QTZ5	EET CF	06/13/25 15:11
Total/NA	Prep	3005A			457037	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		1	457336	NFT2	EET CF	06/11/25 15:09
Total/NA	Prep	3005A			457037	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		4	457455	NFT2	EET CF	06/12/25 15:02
Total/NA	Analysis	I-3765-85		1	457011	E6KR	EET CF	06/09/25 13:13
Total/NA	Analysis	SM 2320B		1	457475	HE7K	EET CF	06/12/25 12:24

Client Sample ID: MW-38

Date Collected: 06/03/25 08:26

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-7

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			457037	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		1	457336	NFT2	EET CF	06/11/25 15:12
Total/NA	Analysis	I-3765-85		1	457011	E6KR	EET CF	06/09/25 13:13

Client Sample ID: MW-39

Date Collected: 06/02/25 15:48

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-8

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	456979	WSE8	EET CF	06/09/25 15:12
Total/NA	Analysis	9056A		10	457798	QTZ5	EET CF	06/13/25 15:24
Total/NA	Prep	3005A			457037	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		1	457336	NFT2	EET CF	06/11/25 15:14
Total/NA	Prep	3005A			457037	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		4	457455	NFT2	EET CF	06/12/25 15:05
Total/NA	Analysis	I-3765-85		1	457011	E6KR	EET CF	06/09/25 13:13
Total/NA	Analysis	SM 2320B		1	457475	HE7K	EET CF	06/12/25 12:40

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: MW-44

Date Collected: 06/02/25 17:44

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-9

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	456979	WSE8	EET CF	06/09/25 15:35
Total/NA	Analysis	9056A		10	457798	QTZ5	EET CF	06/13/25 15:36
Total/NA	Prep	3005A			457037	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		1	457336	NFT2	EET CF	06/11/25 15:16
Total/NA	Analysis	I-3765-85		1	457011	E6KR	EET CF	06/09/25 13:13
Total/NA	Analysis	SM 2320B		1	457475	HE7K	EET CF	06/12/25 12:54

Client Sample ID: MW-45

Date Collected: 06/02/25 16:54

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-10

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	456979	WSE8	EET CF	06/09/25 15:58
Total/NA	Analysis	9056A		10	457798	QTZ5	EET CF	06/13/25 15:48
Total/NA	Prep	3005A			457445	F5MW	EET CF	06/13/25 09:00
Total/NA	Analysis	6020B		1	457663	NFT2	EET CF	06/13/25 19:03
Total/NA	Prep	3005A			457445	F5MW	EET CF	06/13/25 09:00
Total/NA	Analysis	6020B		1	457780	NFT2	EET CF	06/16/25 15:16
Total/NA	Analysis	I-3765-85		1	457011	E6KR	EET CF	06/09/25 13:13
Total/NA	Analysis	SM 2320B		1	457475	HE7K	EET CF	06/12/25 13:09

Client Sample ID: MW-46

Date Collected: 06/02/25 14:52

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-11

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		10	457798	QTZ5	EET CF	06/13/25 16:24
Total/NA	Prep	3005A			457037	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		1	457336	NFT2	EET CF	06/11/25 15:21
Total/NA	Analysis	I-3765-85		1	457011	E6KR	EET CF	06/09/25 13:13
Total/NA	Analysis	SM 2320B		1	457475	HE7K	EET CF	06/12/25 13:30

Client Sample ID: MW-47

Date Collected: 06/02/25 18:39

Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-12

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		10	457798	QTZ5	EET CF	06/13/25 16:36
Total/NA	Prep	3005A			457037	WK2X	EET CF	06/10/25 09:00
Total/NA	Analysis	6020B		1	457336	NFT2	EET CF	06/11/25 15:24
Total/NA	Analysis	I-3765-85		1	457011	E6KR	EET CF	06/09/25 13:13
Total/NA	Analysis	SM 2320B		1	457475	HE7K	EET CF	06/12/25 13:39

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Client Sample ID: Trip Blank 1
Date Collected: 06/03/25 00:00
Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-13
Matrix: Trip Blank

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 11:30

Client Sample ID: Trip Blank 2
Date Collected: 06/03/25 00:00
Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-14
Matrix: Trip Blank

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 11:53

Client Sample ID: Trip Blank 3
Date Collected: 06/03/25 00:00
Date Received: 06/06/25 09:00

Lab Sample ID: 310-308226-15
Matrix: Trip Blank

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 12:16

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: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

Laboratory: Eurofins Cedar Falls

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

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	07-10-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Method Summary

Client: SCS Engineers
Project/Site: SCL 1st 2025 Bracketing & Geochemistry

Job ID: 310-308226-1

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
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
SM 2320B	Alkalinity	SM	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF

Protocol References:

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

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

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

Laboratory References:

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



Environment Testing
America



310-308226 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client <u>SCS</u>			
City/State:	CITY <u>W. Des Moines</u>	STATE <u>IA</u>	Project: _____
Receipt Information			
Date/Time Received:	DATE <u>6-6-25</u>	TIME <u>900</u>	Received By: <u>PH</u>
Delivery Type ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes, Cooler ID: _____			
~~Multiple Coolers?~~ ☒ Yes ☐ No If yes, Cooler # <u>1</u> of <u>3</u>			
Cooler Custody Seals Present? ☒ Yes ☐ No If yes: Cooler custody seals intact? ☒ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☒ Yes ☐ No If yes: Which VOA samples are in cooler? ↓			
<u>MW-14R, 33A, 33B, 34, 30, 36, 37</u>			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>AA</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>3.0</u>		Corrected Temp (°C): <u>3.0</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1		CONTAINER 2
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCS</u>			
City/State:	CITY <u>W. Des Moines</u>	STATE <u>IA</u>	Project: _____
Receipt Information			
Date/Time Received:	DATE <u>6.6.25</u>	TIME <u>900</u>	Received By: <u>QH</u>
Delivery Type: ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes: Cooler ID: _____			
Multiple Coolers? ☒ Yes ☐ No If yes: Cooler # <u>2</u> of <u>3</u>			
Cooler Custody Seals Present? ☒ Yes ☐ No If yes: Cooler custody seals intact? ☒ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☒ Yes ☐ No If yes. Which VOA samples are in cooler? ↓ <u>MW-3A, 4A, 45</u>			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>AA</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>2.3</u>		Corrected Temp (°C): <u>2.3</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1 _____	CONTAINER 2 _____	
Uncorrected Temp (°C):	_____	_____	
Corrected Temp (°C):	_____	_____	
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client. <u>SCS</u>			
City/State:	CITY <u>W. Des Moines</u>	STATE <u>IA</u>	Project: _____
Receipt Information			
Date/Time Received:	DATE <u>6-6-25</u>	TIME <u>900</u>	Received By. <u>PH</u>
Delivery Type: ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes: Cooler ID. _____			
Multiple Coolers? ☒ Yes ☐ No If yes: Cooler # <u>3</u> of <u>3</u>			
Cooler Custody Seals Present? ☒ Yes ☐ No If yes: Cooler custody seals intact? ☒ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☒ Yes ☐ No If yes: Which VOA samples are in cooler? <u>MW-38, 46, 47</u>			
Temperature Record			
Coolant. ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>AA</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.0</u>		Corrected Temp (°C): <u>0.0</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1 _____	CONTAINER 2 _____	
Uncorrected Temp (°C):	_____	_____	
Corrected Temp (°C):	_____	_____	
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

Cedar Falls IA 50613-6907
phone 319 277 2401 fax 319 277 2425Regulatory 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:		2 of 3 COCs																									
SCS Engineers		Analysis Turnaround Time						Sampler:																									
1690 All State Court, Suite 100		☐ CALENDAR DAYS ☐ WORKING DAYS						For Lab Use Only:																									
West Des Moines IA 50265		Other: _____						Walk-in Client.																									
Project Name SCL 1st 2025 Bracketing & Geochemistry		☐ 2 weeks						Lab Sampling																									
Site Scott County 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)	Arsenic	Cobalt	Appendix I VOCs	Total Suspended Solids	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Calcium	Chloride	Magnesium	Potassium	Sodium	Sulfate	Trip Blank	Sample Specific Notes												
MW-18R	6/3/25	15:35	G	GW		N	N	X	X		X	X	X	X	X	X	X	X	X														
MW-33A	6/3/25	14:13	G	GW		N	N	X	X		X	X	X	X	X	X	X	X	X														
MW-33B	6/3/25	14:55	G	GW		N	N	X	X		X																						
MW-34	6/3/25	13:31	G	GW		N	N	X	X		X	X	X	X	X	X	X	X	X														
MW-35	6/3/25	16:28	G	GW		N	N	X	X		X	X	X	X	X	X	X	X	X														
MW-36			G	GW		N	N	X	X		X																						
MW-37	6/3/25	17:09	G	GW		N	N	X	X	X	X	X	X	X	X	X	X	X	X														
MW-38	6/3/25	8:26	G	GW		N	N	X	X		X																						
MW-39	6/2/25	15:48	G	GW		N	N	X	X	X	X	X	X	X	X	X	X	X	X														
MW-44	6/2/25	17:44	G	GW		N	N		X	X	X	X	X	X	X	X	X	X	X														
MW-45	6/2/25	16:54	G	GW		N	N	X	X	X	X	X	X	X	X	X	X	X	X														
MW-46	6/2/25	14:52	G	GW		N	N	X	X		X	X	X	X	X	X	X	X	X														
MW-47	6/2/25	18:39	G	GW		N	N	X	X		X	X	X	X	X	X	X	X	X														
Trip Blank																				X													
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample						☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months																											
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown																																	
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 Michael Morgan						Company SCS Engineers						Date/Time 6/5/25 8:00						Received by [Signature]						Company [Signature]						Date/Time 6/5/25 8:15			
Relinquished by [Signature]						Company [Signature]						Date/Time 6/5/25 15:00						Received by [Signature]						Company [Signature]						Date/Time			
Relinquished by [Signature]						Company [Signature]						Date/Time						Received in Laboratory by [Signature]						Company [Signature]						Date/Time 6-6-25 9:00			

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-308226-1

Login Number: 308226

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Collins, Charlotte G

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/15/2025 10:58:30 AM

JOB DESCRIPTION

SCL 2nd 2025 HMSP, Geochemistry, & NA

JOB NUMBER

310-321877-1

Eurofins Cedar Falls

Job Notes

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

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

Authorization



Generated
12/15/2025 10:58:30 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	6
Detection Summary	7
Client Sample Results	8
Definitions	14
Surrogate Summary	16
QC Sample Results	17
QC Association	24
Chronicle	26
Certification Summary	27
Method Summary	28
Chain of Custody	29
Receipt Checklists	31



Case Narrative

Client: SCS Engineers
Project: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

Job ID: 310-321877-1

Eurofins Cedar Falls

Job Narrative 310-321877-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/5/2025 8:25 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 0.6°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-475656 recovered above the upper control limit for Vinyl chloride (26%D) and Trichlorofluoromethane (35%D). The LCS associated with this CCV passed CCV criteria for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-475656/4).

Method 8260D: The method blank for preparation batch 310-475656 contained Iodomethane above the method detection limit (MDL). None of the samples associated with this method blank contained the target compound; therefore, re-analysis of samples were not performed.

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

HPLC/IC

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

Metals

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

General Chemistry

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

Eurofins Cedar Falls

Case Narrative

Client: SCS Engineers
Project: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

Job ID: 310-321877-2

Eurofins Cedar Falls

Job Narrative 310-321877-2

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 12/5/2025 8:25 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 0.6°C.

HPLC/IC

Method 9056A_ORGFM_48H: 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-19 (310-321877-2).

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

Eurofins Cedar Falls

Sample Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-321877-1	MW-17	Ground Water	12/03/25 15:55	12/05/25 08:25	Iowa
310-321877-2	MW-19	Ground Water	12/03/25 16:42	12/05/25 08:25	Iowa
310-321877-3	Trip Blank	Water	12/03/25 00:00	12/05/25 08:25	Iowa

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

Client: SCS Engineers

Job ID: 310-321877-1

Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Client Sample ID: MW-17

Lab Sample ID: 310-321877-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.608	J	1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	1.53		1.00	0.550	ug/L	1		8260D	Total/NA
Arsenic	0.00129	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.194	F1	0.00200	0.000660	mg/L	1		6020B	Total/NA

Client Sample ID: MW-19

Lab Sample ID: 310-321877-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.57		1.00	0.550	ug/L	1		8260D	Total/NA
Chloride	24.9		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	153		5.00	2.10	mg/L	5		9056A	Total/NA
Arsenic	0.0215		0.00200	0.000530	mg/L	1		6020B	Total/NA
Calcium	122		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.00395		0.000500	0.000170	mg/L	1		6020B	Total/NA
Magnesium	57.3		0.500	0.150	mg/L	1		6020B	Total/NA
Potassium	2.58		0.500	0.170	mg/L	1		6020B	Total/NA
Sodium	40.7		1.00	0.650	mg/L	1		6020B	Total/NA
Iron	7.77		0.100	0.0500	mg/L	1		6020B	Total/NA
Manganese	2.43		0.0100	0.00360	mg/L	1		6020B	Total/NA
Barium	0.141		0.00200	0.000660	mg/L	1		6020B	Total/NA
Ammonia as N	1.38	F1 F2	0.500	0.120	mg/L	1		350.1	Total/NA
Total Suspended Solids	22.5		7.50	5.25	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	542		5.00	2.50	mg/L	1		SM 2320B	Total/NA
Total Organic Carbon	3.27		1.00	0.500	mg/L	1		SM 5310C	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 310-321877-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

Client Sample ID: MW-17

Lab Sample ID: 310-321877-1

Date Collected: 12/03/25 15:55

Matrix: Ground Water

Date Received: 12/05/25 08:25

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			12/05/25 16:45	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/05/25 16:45	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/05/25 16:45	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/05/25 16:45	1
1,1-Dichloroethane	0.608	J	1.00	0.400	ug/L			12/05/25 16:45	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/05/25 16:45	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/05/25 16:45	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/05/25 16:45	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/05/25 16:45	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/05/25 16:45	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/05/25 16:45	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/05/25 16:45	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/05/25 16:45	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/05/25 16:45	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/05/25 16:45	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/05/25 16:45	1
Acetone	<10.0		10.0	3.80	ug/L			12/05/25 16:45	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/05/25 16:45	1
Benzene	<0.500		0.500	0.220	ug/L			12/05/25 16:45	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/05/25 16:45	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/05/25 16:45	1
Bromoform	<5.00		5.00	2.60	ug/L			12/05/25 16:45	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/05/25 16:45	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/05/25 16:45	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/05/25 16:45	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/05/25 16:45	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/05/25 16:45	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/05/25 16:45	1
Chloroform	<3.00		3.00	1.30	ug/L			12/05/25 16:45	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/05/25 16:45	1
cis-1,2-Dichloroethene	1.53		1.00	0.550	ug/L			12/05/25 16:45	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/05/25 16:45	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/05/25 16:45	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/05/25 16:45	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/05/25 16:45	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/05/25 16:45	1
Styrene	<1.00		1.00	0.370	ug/L			12/05/25 16:45	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/05/25 16:45	1
Toluene	<1.00		1.00	0.430	ug/L			12/05/25 16:45	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/05/25 16:45	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/05/25 16:45	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/05/25 16:45	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/05/25 16:45	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/05/25 16:45	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/05/25 16:45	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/05/25 16:45	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/05/25 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		76 - 130		12/05/25 16:45	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

Client Sample ID: MW-17

Date Collected: 12/03/25 15:55

Date Received: 12/05/25 08:25

Lab Sample ID: 310-321877-1

Matrix: Ground Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		12/05/25 16:45	1
4-Bromofluorobenzene (Surr)	97		80 - 120		12/05/25 16:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00129	J	0.00200	0.000530	mg/L		12/09/25 08:00	12/11/25 15:27	1
Barium	0.194	F1	0.00200	0.000660	mg/L		12/09/25 08:00	12/11/25 15:27	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/09/25 08:00	12/11/25 15:27	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/09/25 08:00	12/11/25 15:27	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		12/09/25 08:00	12/11/25 15:27	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/09/25 08:00	12/11/25 15:27	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/09/25 08:00	12/11/25 15:27	1
Nickel	<0.00500		0.00500	0.00230	mg/L		12/09/25 08:00	12/12/25 16:42	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/09/25 08:00	12/11/25 15:27	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/09/25 08:00	12/11/25 15:27	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			12/08/25 10:41	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

Client Sample ID: MW-19

Date Collected: 12/03/25 16:42

Date Received: 12/05/25 08:25

Lab Sample ID: 310-321877-2

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			12/05/25 17:07	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/05/25 17:07	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/05/25 17:07	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/05/25 17:07	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/05/25 17:07	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/05/25 17:07	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/05/25 17:07	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/05/25 17:07	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/05/25 17:07	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/05/25 17:07	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/05/25 17:07	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/05/25 17:07	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/05/25 17:07	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/05/25 17:07	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/05/25 17:07	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/05/25 17:07	1
Acetone	<10.0		10.0	3.80	ug/L			12/05/25 17:07	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/05/25 17:07	1
Benzene	<0.500		0.500	0.220	ug/L			12/05/25 17:07	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/05/25 17:07	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/05/25 17:07	1
Bromoform	<5.00		5.00	2.60	ug/L			12/05/25 17:07	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/05/25 17:07	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/05/25 17:07	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/05/25 17:07	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/05/25 17:07	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/05/25 17:07	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/05/25 17:07	1
Chloroform	<3.00		3.00	1.30	ug/L			12/05/25 17:07	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/05/25 17:07	1
cis-1,2-Dichloroethene	1.57		1.00	0.550	ug/L			12/05/25 17:07	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/05/25 17:07	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/05/25 17:07	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/05/25 17:07	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/05/25 17:07	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/05/25 17:07	1
Styrene	<1.00		1.00	0.370	ug/L			12/05/25 17:07	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/05/25 17:07	1
Toluene	<1.00		1.00	0.430	ug/L			12/05/25 17:07	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/05/25 17:07	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/05/25 17:07	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/05/25 17:07	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/05/25 17:07	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/05/25 17:07	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/05/25 17:07	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/05/25 17:07	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/05/25 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		76 - 130		12/05/25 17:07	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

Client Sample ID: MW-19

Date Collected: 12/03/25 16:42

Date Received: 12/05/25 08:25

Lab Sample ID: 310-321877-2

Matrix: Ground Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		12/05/25 17:07	1
4-Bromofluorobenzene (Surr)	101		80 - 120		12/05/25 17:07	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.9		5.00	2.25	mg/L			12/06/25 14:15	5
Nitrate as N	<0.200	H F1	0.200	0.0780	mg/L			12/05/25 20:57	1
Sulfate	153		5.00	2.10	mg/L			12/06/25 14:15	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0215		0.00200	0.000530	mg/L		12/09/25 08:00	12/11/25 15:38	1
Calcium	122		0.500	0.190	mg/L		12/09/25 08:00	12/11/25 15:38	1
Cobalt	0.00395		0.000500	0.000170	mg/L		12/09/25 08:00	12/11/25 15:38	1
Magnesium	57.3		0.500	0.150	mg/L		12/09/25 08:00	12/11/25 15:38	1
Potassium	2.58		0.500	0.170	mg/L		12/09/25 08:00	12/11/25 15:38	1
Sodium	40.7		1.00	0.650	mg/L		12/09/25 08:00	12/11/25 15:38	1
Iron	7.77		0.100	0.0500	mg/L		12/09/25 08:00	12/11/25 15:38	1
Manganese	2.43		0.0100	0.00360	mg/L		12/09/25 08:00	12/11/25 15:38	1
Barium	0.141		0.00200	0.000660	mg/L		12/09/25 08:00	12/11/25 15:38	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/09/25 08:00	12/11/25 15:38	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/09/25 08:00	12/11/25 15:38	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/09/25 08:00	12/11/25 15:38	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/09/25 08:00	12/11/25 15:38	1
Nickel	<0.00500		0.00500	0.00230	mg/L		12/09/25 08:00	12/11/25 15:38	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/09/25 08:00	12/11/25 15:38	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/09/25 08:00	12/11/25 15:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	1.38	F1 F2	0.500	0.120	mg/L			12/12/25 16:59	1
Total Suspended Solids (USGS I-3765-85)	22.5		7.50	5.25	mg/L			12/08/25 10:41	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	542		5.00	2.50	mg/L			12/11/25 13:06	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			12/11/25 13:06	1
Total Organic Carbon (SM 5310C)	3.27		1.00	0.500	mg/L			12/11/25 09:13	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

Client Sample ID: Trip Blank

Lab Sample ID: 310-321877-3

Date Collected: 12/03/25 00:00

Matrix: Water

Date Received: 12/05/25 08:25

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			12/05/25 15:39	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/05/25 15:39	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/05/25 15:39	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/05/25 15:39	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/05/25 15:39	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/05/25 15:39	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/05/25 15:39	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/05/25 15:39	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/05/25 15:39	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/05/25 15:39	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/05/25 15:39	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/05/25 15:39	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/05/25 15:39	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/05/25 15:39	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/05/25 15:39	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/05/25 15:39	1
Acetone	<10.0		10.0	3.80	ug/L			12/05/25 15:39	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/05/25 15:39	1
Benzene	<0.500		0.500	0.220	ug/L			12/05/25 15:39	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/05/25 15:39	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/05/25 15:39	1
Bromoform	<5.00		5.00	2.60	ug/L			12/05/25 15:39	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/05/25 15:39	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/05/25 15:39	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/05/25 15:39	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/05/25 15:39	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/05/25 15:39	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/05/25 15:39	1
Chloroform	<3.00		3.00	1.30	ug/L			12/05/25 15:39	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/05/25 15:39	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/05/25 15:39	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/05/25 15:39	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/05/25 15:39	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/05/25 15:39	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/05/25 15:39	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/05/25 15:39	1
Styrene	<1.00		1.00	0.370	ug/L			12/05/25 15:39	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/05/25 15:39	1
Toluene	<1.00		1.00	0.430	ug/L			12/05/25 15:39	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/05/25 15:39	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/05/25 15:39	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/05/25 15:39	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/05/25 15:39	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/05/25 15:39	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/05/25 15:39	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/05/25 15:39	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/05/25 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		76 - 130		12/05/25 15:39	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

Client Sample ID: Trip Blank
Date Collected: 12/03/25 00:00
Date Received: 12/05/25 08:25

Lab Sample ID: 310-321877-3
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		12/05/25 15:39	1
4-Bromofluorobenzene (Surr)	99		80 - 120		12/05/25 15:39	1

Definitions/Glossary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery 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.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Eurofins Cedar Falls

Definitions/Glossary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Surrogate Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

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

Matrix: Ground Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	DBFM (76-130)	TOL (80-120)	BFB (80-120)				
310-321877-1	MW-17	101	102	97				
310-321877-2	MW-19	100	100	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)						
Lab Sample ID	Client Sample ID	DBFM (76-130)	TOL (80-120)	BFB (80-120)				
310-321877-3	Trip Blank	100	100	99				
LCS 310-475656/6	Lab Control Sample	99	99	100				
LCS 310-475656/7	Lab Control Sample	100	99	100				
MB 310-475656/5	Method Blank	102	101	97				
Surrogate Legend								
DBFM = Dibromofluoromethane (Surr)								
TOL = Toluene-d8 (Surr)								
BFB = 4-Bromofluorobenzene (Surr)								

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

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

Lab Sample ID: MB 310-475656/5

Matrix: Water

Analysis Batch: 475656

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			12/05/25 12:16	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/05/25 12:16	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/05/25 12:16	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/05/25 12:16	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/05/25 12:16	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/05/25 12:16	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/05/25 12:16	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/05/25 12:16	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/05/25 12:16	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/05/25 12:16	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/05/25 12:16	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/05/25 12:16	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/05/25 12:16	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/05/25 12:16	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/05/25 12:16	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/05/25 12:16	1
Acetone	<10.0		10.0	3.80	ug/L			12/05/25 12:16	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/05/25 12:16	1
Benzene	<0.500		0.500	0.220	ug/L			12/05/25 12:16	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/05/25 12:16	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/05/25 12:16	1
Bromoform	<5.00		5.00	2.60	ug/L			12/05/25 12:16	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/05/25 12:16	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/05/25 12:16	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/05/25 12:16	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/05/25 12:16	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/05/25 12:16	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/05/25 12:16	1
Chloroform	<3.00		3.00	1.30	ug/L			12/05/25 12:16	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/05/25 12:16	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/05/25 12:16	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/05/25 12:16	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/05/25 12:16	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/05/25 12:16	1
Iodomethane	4.129 J		10.0	2.60	ug/L			12/05/25 12:16	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/05/25 12:16	1
Styrene	<1.00		1.00	0.370	ug/L			12/05/25 12:16	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/05/25 12:16	1
Toluene	<1.00		1.00	0.430	ug/L			12/05/25 12:16	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/05/25 12:16	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/05/25 12:16	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/05/25 12:16	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/05/25 12:16	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/05/25 12:16	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/05/25 12:16	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/05/25 12:16	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/05/25 12:16	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

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

Lab Sample ID: MB 310-475656/5

Matrix: Water

Analysis Batch: 475656

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	102		76 - 130		12/05/25 12:16	1
Toluene-d8 (Surr)	101		80 - 120		12/05/25 12:16	1
4-Bromofluorobenzene (Surr)	97		80 - 120		12/05/25 12:16	1

Lab Sample ID: LCS 310-475656/6

Matrix: Water

Analysis Batch: 475656

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.07		ug/L		95	70 - 121
1,1,1-Trichloroethane	20.0	18.82		ug/L		94	69 - 130
1,1,2,2-Tetrachloroethane	20.0	17.46		ug/L		87	70 - 122
1,1,2-Trichloroethane	20.0	19.43		ug/L		97	75 - 121
1,1-Dichloroethane	20.0	18.60		ug/L		93	69 - 127
1,1-Dichloroethene	20.0	18.11		ug/L		91	64 - 134
1,2,3-Trichloropropane	20.0	19.95		ug/L		100	70 - 122
1,2-Dibromo-3-chloropropane	20.0	16.86		ug/L		84	62 - 132
1,2-Dibromoethane (EDB)	20.0	19.11		ug/L		96	74 - 122
1,2-Dichlorobenzene	20.0	18.52		ug/L		93	74 - 120
1,2-Dichloroethane	20.0	19.05		ug/L		95	68 - 125
1,2-Dichloropropane	20.0	18.35		ug/L		92	72 - 128
1,4-Dichlorobenzene	20.0	18.28		ug/L		91	72 - 120
2-Butanone (MEK)	40.0	37.86		ug/L		95	60 - 134
2-Hexanone	40.0	37.07		ug/L		93	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	35.62		ug/L		89	62 - 136
Acetone	40.0	34.24		ug/L		86	59 - 136
Acrylonitrile	200	186.4		ug/L		93	50 - 150
Benzene	20.0	19.18		ug/L		96	71 - 125
Bromochloromethane	20.0	19.11		ug/L		96	69 - 131
Bromodichloromethane	20.0	18.78		ug/L		94	70 - 122
Bromoform	20.0	18.27		ug/L		91	62 - 122
Carbon disulfide	20.0	17.19		ug/L		86	58 - 137
Carbon tetrachloride	20.0	18.46		ug/L		92	63 - 136
Chlorobenzene	20.0	18.95		ug/L		95	74 - 120
Chlorodibromomethane	20.0	18.37		ug/L		92	69 - 121
Chloroform	20.0	19.50		ug/L		98	72 - 122
cis-1,2-Dichloroethene	20.0	17.61		ug/L		88	72 - 123
cis-1,3-Dichloropropene	20.0	19.11		ug/L		96	72 - 123
Dibromomethane	20.0	18.85		ug/L		94	72 - 122
Ethylbenzene	20.0	18.98		ug/L		95	75 - 120
Iodomethane	20.0	11.73		ug/L		59	18 - 150
Methylene chloride	20.0	19.09		ug/L		95	72 - 128
Styrene	20.0	18.89		ug/L		94	74 - 122
Tetrachloroethene	20.0	18.14		ug/L		91	70 - 128
Toluene	20.0	18.84		ug/L		94	74 - 120
trans-1,2-Dichloroethene	20.0	18.09		ug/L		90	67 - 127
trans-1,3-Dichloropropene	20.0	18.71		ug/L		94	67 - 123
trans-1,4-Dichloro-2-butene	20.0	19.71		ug/L		99	50 - 150

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

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

Lab Sample ID: LCS 310-475656/6

Matrix: Water

Analysis Batch: 475656

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	18.73		ug/L		94	70 - 128
Vinyl acetate	40.0	38.11		ug/L		95	50 - 150
Xylenes, Total	40.0	37.42		ug/L		94	74 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	99		76 - 130
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120

Lab Sample ID: LCS 310-475656/7

Matrix: Water

Analysis Batch: 475656

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	15.77		ug/L		79	33 - 138
Chloroethane	20.0	18.45		ug/L		92	59 - 139
Chloromethane	20.0	18.10		ug/L		91	52 - 146
Trichlorofluoromethane	20.0	19.69		ug/L		98	55 - 150
Vinyl chloride	20.0	18.94		ug/L		95	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	100		76 - 130
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-475822/3

Matrix: Water

Analysis Batch: 475822

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			12/05/25 20:33	1
Nitrate as N	<0.200		0.200	0.0780	mg/L			12/05/25 20:33	1
Sulfate	<1.00		1.00	0.420	mg/L			12/05/25 20:33	1

Lab Sample ID: LCS 310-475822/4

Matrix: Water

Analysis Batch: 475822

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	9.527		mg/L		95	90 - 110
Nitrate as N	2.00	1.998		mg/L		100	90 - 110
Sulfate	10.0	10.16		mg/L		102	90 - 110

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

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

Lab Sample ID: 310-321877-2 MS

Matrix: Ground Water

Analysis Batch: 475822

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	24.9		25.0	45.94		mg/L		84	80 - 120
Nitrate as N	<1.00	H	5.00	4.800		mg/L		96	80 - 120
Sulfate	153		25.0	171.8	4	mg/L		76	80 - 120

Lab Sample ID: 310-321877-2 MSD

Matrix: Ground Water

Analysis Batch: 475822

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	24.9		25.0	46.42		mg/L		86	80 - 120	1	15
Nitrate as N	<1.00	H	5.00	4.909		mg/L		98	80 - 120	2	15
Sulfate	153		25.0	171.7	4	mg/L		75	80 - 120	0	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-475842/1-A

Matrix: Water

Analysis Batch: 476265

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		12/09/25 08:00	12/11/25 15:16	1
Calcium	<0.500		0.500	0.190	mg/L		12/09/25 08:00	12/11/25 15:16	1
Magnesium	<0.500		0.500	0.150	mg/L		12/09/25 08:00	12/11/25 15:16	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		12/09/25 08:00	12/11/25 15:16	1
Potassium	<0.500		0.500	0.170	mg/L		12/09/25 08:00	12/11/25 15:16	1
Sodium	<1.00		1.00	0.650	mg/L		12/09/25 08:00	12/11/25 15:16	1
Iron	<0.100		0.100	0.0500	mg/L		12/09/25 08:00	12/11/25 15:16	1
Manganese	<0.0100		0.0100	0.00360	mg/L		12/09/25 08:00	12/11/25 15:16	1
Barium	<0.00200		0.00200	0.000660	mg/L		12/09/25 08:00	12/11/25 15:16	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/09/25 08:00	12/11/25 15:16	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/09/25 08:00	12/11/25 15:16	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/09/25 08:00	12/11/25 15:16	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/09/25 08:00	12/11/25 15:16	1
Nickel	<0.00500		0.00500	0.00230	mg/L		12/09/25 08:00	12/11/25 15:16	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/09/25 08:00	12/11/25 15:16	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/09/25 08:00	12/11/25 15:16	1

Lab Sample ID: LCS 310-475842/2-A

Matrix: Water

Analysis Batch: 476265

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.1830		mg/L		92	80 - 120
Calcium	2.00	1.865		mg/L		93	80 - 120
Magnesium	2.00	1.913		mg/L		96	80 - 120
Cobalt	0.100	0.09386		mg/L		94	80 - 120
Potassium	2.00	1.898		mg/L		95	80 - 120
Sodium	2.00	2.101		mg/L		105	80 - 120
Iron	0.200	0.1981		mg/L		99	80 - 120

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

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

Lab Sample ID: LCS 310-475842/2-A
Matrix: Water
Analysis Batch: 476265

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 475842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.100	0.08915		mg/L		89	80 - 120
Barium	0.100	0.09781		mg/L		98	80 - 120
Cadmium	0.100	0.1007		mg/L		101	80 - 120
Beryllium	0.100	0.09855		mg/L		99	80 - 120
Copper	0.200	0.1858		mg/L		93	80 - 120
Lead	0.200	0.2074		mg/L		104	80 - 120
Nickel	0.200	0.2072		mg/L		104	80 - 120
Vanadium	0.100	0.1016		mg/L		102	80 - 120
Zinc	0.200	0.1830		mg/L		92	80 - 120

Lab Sample ID: 310-321877-1 MS
Matrix: Ground Water
Analysis Batch: 476265

Client Sample ID: MW-17
Prep Type: Total/NA
Prep Batch: 475842

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00129	J	0.200	0.2099		mg/L		104	75 - 125
Calcium	127		2.00	162.1	4	mg/L		1741	75 - 125
Magnesium	66.1		2.00	85.41	4	mg/L		966	75 - 125
Cobalt	<0.000500		0.100	0.09934		mg/L		99	75 - 125
Potassium	1.45	F1	2.00	4.121	F1	mg/L		133	75 - 125
Sodium	12.6		2.00	18.38	4	mg/L		288	75 - 125
Iron	<0.100		0.200	0.2366		mg/L		118	75 - 125
Manganese	<0.0100		0.100	0.1014		mg/L		101	75 - 125
Barium	0.194	F1	0.100	0.3575	F1	mg/L		164	75 - 125
Cadmium	<0.000200		0.100	0.1078		mg/L		108	75 - 125
Beryllium	<0.00100		0.100	0.1092		mg/L		109	75 - 125
Copper	<0.00500		0.200	0.2002		mg/L		100	75 - 125
Lead	<0.000500		0.200	0.2175		mg/L		109	75 - 125
Nickel	<0.00500	L	0.200	0.2155		mg/L		108	75 - 125
Vanadium	<0.00500		0.100	0.1120		mg/L		112	75 - 125
Zinc	<0.0200		0.200	0.2001		mg/L		100	75 - 125

Lab Sample ID: 310-321877-1 MS
Matrix: Ground Water
Analysis Batch: 476385

Client Sample ID: MW-17
Prep Type: Total/NA
Prep Batch: 475842

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	<0.00500		0.200	0.1994		mg/L		100	75 - 125

Lab Sample ID: 310-321877-1 MSD
Matrix: Ground Water
Analysis Batch: 476265

Client Sample ID: MW-17
Prep Type: Total/NA
Prep Batch: 475842

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.00129	J	0.200	0.1983		mg/L		98	75 - 125	6	20
Calcium	127		2.00	154.8	4	mg/L		1377	75 - 125	5	20
Magnesium	66.1		2.00	81.85	4	mg/L		788	75 - 125	4	20
Cobalt	<0.000500		0.100	0.09362		mg/L		94	75 - 125	6	20
Potassium	1.45	F1	2.00	3.894		mg/L		122	75 - 125	6	20

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

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

Lab Sample ID: 310-321877-1 MSD

Matrix: Ground Water

Analysis Batch: 476265

Client Sample ID: MW-17

Prep Type: Total/NA

Prep Batch: 475842

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	12.6		2.00	17.54	4	mg/L		246	75 - 125	5	20
Iron	<0.100		0.200	0.2238		mg/L		112	75 - 125	6	20
Manganese	<0.0100		0.100	0.09591		mg/L		96	75 - 125	6	20
Barium	0.194	F1	0.100	0.3413	F1	mg/L		147	75 - 125	5	20
Cadmium	<0.000200		0.100	0.1013		mg/L		101	75 - 125	6	20
Beryllium	<0.00100		0.100	0.1065		mg/L		107	75 - 125	2	20
Copper	<0.00500		0.200	0.1898		mg/L		95	75 - 125	5	20
Lead	<0.000500		0.200	0.2027		mg/L		101	75 - 125	7	20
Nickel	<0.00500	L	0.200	0.2047		mg/L		102	75 - 125	5	20
Vanadium	<0.00500		0.100	0.1065		mg/L		107	75 - 125	5	20
Zinc	<0.0200		0.200	0.1894		mg/L		95	75 - 125	6	20

Lab Sample ID: 310-321877-1 MSD

Matrix: Ground Water

Analysis Batch: 476385

Client Sample ID: MW-17

Prep Type: Total/NA

Prep Batch: 475842

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nickel	<0.00500		0.200	0.1873		mg/L		94	75 - 125	6	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 310-476370/84

Matrix: Water

Analysis Batch: 476370

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			12/12/25 16:52	1

Lab Sample ID: LCS 310-476370/85

Matrix: Water

Analysis Batch: 476370

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	2.115		mg/L		94	90 - 110

Lab Sample ID: 310-321877-2 MS

Matrix: Ground Water

Analysis Batch: 476370

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	1.38	F1 F2	2.50	3.518	F1	mg/L		85	90 - 110

Lab Sample ID: 310-321877-2 MSD

Matrix: Ground Water

Analysis Batch: 476370

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	1.38	F1 F2	2.50	4.544	F1 F2	mg/L		126	90 - 110	25	20

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

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

Lab Sample ID: MB 310-475776/1

Matrix: Water

Analysis Batch: 475776

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			12/08/25 10:41	1

Lab Sample ID: LCS 310-475776/2

Matrix: Water

Analysis Batch: 475776

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

Method: SM 5310C - TOC

Lab Sample ID: MB 310-476181/12

Matrix: Water

Analysis Batch: 476181

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			12/10/25 15:12	1

Lab Sample ID: LCS 310-476181/13

Matrix: Water

Analysis Batch: 476181

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	10.61		mg/L		106	85 - 115

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

GC/MS VOA

Analysis Batch: 475656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321877-1	MW-17	Total/NA	Ground Water	8260D	
310-321877-2	MW-19	Total/NA	Ground Water	8260D	
310-321877-3	Trip Blank	Total/NA	Water	8260D	
MB 310-475656/5	Method Blank	Total/NA	Water	8260D	
LCS 310-475656/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-475656/7	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 475822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321877-2	MW-19	Total/NA	Ground Water	9056A	
310-321877-2	MW-19	Total/NA	Ground Water	9056A	
MB 310-475822/3	Method Blank	Total/NA	Water	9056A	
LCS 310-475822/4	Lab Control Sample	Total/NA	Water	9056A	
310-321877-2 MS	MW-19	Total/NA	Ground Water	9056A	
310-321877-2 MSD	MW-19	Total/NA	Ground Water	9056A	

Metals

Prep Batch: 475842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321877-1	MW-17	Total/NA	Ground Water	3005A	
310-321877-2	MW-19	Total/NA	Ground Water	3005A	
MB 310-475842/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-475842/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-321877-1 MS	MW-17	Total/NA	Ground Water	3005A	
310-321877-1 MSD	MW-17	Total/NA	Ground Water	3005A	

Analysis Batch: 476265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321877-1	MW-17	Total/NA	Ground Water	6020B	475842
310-321877-2	MW-19	Total/NA	Ground Water	6020B	475842
MB 310-475842/1-A	Method Blank	Total/NA	Water	6020B	475842
LCS 310-475842/2-A	Lab Control Sample	Total/NA	Water	6020B	475842
310-321877-1 MS	MW-17	Total/NA	Ground Water	6020B	475842
310-321877-1 MSD	MW-17	Total/NA	Ground Water	6020B	475842

Analysis Batch: 476385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321877-1	MW-17	Total/NA	Ground Water	6020B	475842
310-321877-1 MS	MW-17	Total/NA	Ground Water	6020B	475842
310-321877-1 MSD	MW-17	Total/NA	Ground Water	6020B	475842

General Chemistry

Analysis Batch: 475776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321877-1	MW-17	Total/NA	Ground Water	I-3765-85	
310-321877-2	MW-19	Total/NA	Ground Water	I-3765-85	
MB 310-475776/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-475776/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

General Chemistry

Analysis Batch: 476181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321877-2	MW-19	Total/NA	Ground Water	SM 5310C	
MB 310-476181/12	Method Blank	Total/NA	Water	SM 5310C	
LCS 310-476181/13	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 476264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321877-2	MW-19	Total/NA	Ground Water	SM 2320B	
LCS 310-476264/2	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 476370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321877-2	MW-19	Total/NA	Ground Water	350.1	
MB 310-476370/84	Method Blank	Total/NA	Water	350.1	
LCS 310-476370/85	Lab Control Sample	Total/NA	Water	350.1	
310-321877-2 MS	MW-19	Total/NA	Ground Water	350.1	
310-321877-2 MSD	MW-19	Total/NA	Ground Water	350.1	

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

Client Sample ID: MW-17

Date Collected: 12/03/25 15:55

Date Received: 12/05/25 08:25

Lab Sample ID: 310-321877-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475656	WSE8	EET CF	12/05/25 16:45
Total/NA	Prep	3005A			475842	RLT9	EET CF	12/09/25 08:00
Total/NA	Analysis	6020B		1	476385	ZRI4	EET CF	12/12/25 16:42
Total/NA	Prep	3005A			475842	RLT9	EET CF	12/09/25 08:00
Total/NA	Analysis	6020B		1	476265	NFT2	EET CF	12/11/25 15:27
Total/NA	Analysis	I-3765-85		1	475776	DGU1	EET CF	12/08/25 10:41

Client Sample ID: MW-19

Date Collected: 12/03/25 16:42

Date Received: 12/05/25 08:25

Lab Sample ID: 310-321877-2

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475656	WSE8	EET CF	12/05/25 17:07
Total/NA	Analysis	9056A		1	475822	HE7K	EET CF	12/05/25 20:57
Total/NA	Analysis	9056A		5	475822	HE7K	EET CF	12/06/25 14:15
Total/NA	Prep	3005A			475842	RLT9	EET CF	12/09/25 08:00
Total/NA	Analysis	6020B		1	476265	NFT2	EET CF	12/11/25 15:38
Total/NA	Analysis	350.1		1	476370	WZC8	EET CF	12/12/25 16:59
Total/NA	Analysis	I-3765-85		1	475776	DGU1	EET CF	12/08/25 10:41
Total/NA	Analysis	SM 2320B		1	476264	WZC8	EET CF	12/11/25 13:06
Total/NA	Analysis	SM 5310C		1	476181	HE7K	EET CF	12/11/25 09:13

Client Sample ID: Trip Blank

Date Collected: 12/03/25 00:00

Date Received: 12/05/25 08:25

Lab Sample ID: 310-321877-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475656	WSE8	EET CF	12/05/25 15:39

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: SCL 2nd 2025 HMSP, Geochemistry, & NA

Job ID: 310-321877-1

Laboratory: Eurofins Cedar Falls

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

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

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: SCS Engineers

Job ID: 310-321877-1

Project/Site: SCL 2nd 2025 HMSP, Geochemistry, & NA

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
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

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.

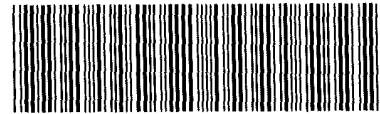
USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

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



Environment Testing
America



310-321877 Chain of Custody

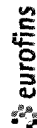
Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client <u>SCS</u>			
City/State.	CITY	STATE <u>IA</u>	Project.
Receipt Information			
Date/Time Received:	DATE <u>12-5-25</u>	TIME <u>0825</u>	Received By: <u>[Signature]</u>
Delivery Type: ☒ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other.			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes Cooler ID.			
Multiple Coolers? ☐ Yes ☒ No If yes Cooler # ____ of ____			
Cooler Custody Seals Present? ☒ Yes ☐ No If yes Cooler custody seals intact? ☐ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☒ Yes ☐ No If yes. Which VOA samples are in cooler? ↓ <u>All</u>			
Temperature Record			
Coolant. ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other ☐ NONE			
Thermometer ID: <u>CC</u>		Correction Factor (°C): <u>-0.2</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.6</u>		Corrected Temp (°C): <u>0.6</u>	
• Sample Container Temperature			
Container(s) used	CONTAINER 1		CONTAINER 2
Uncorrected Temp (°C):			
Corrected Temp (°C)			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

Chain of Custody Record

Eurofins TestAmerica, Cedar Falls
3019 Venture Way

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



Eurofins
TestAmerica

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

Regulatory Program: ☐ DW ☐ NPDES ☒ RCRA ☐ Other

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												
1690 All State Court, Suite 100		☐ CALENDAR DAYS ☐ WORKING DAYS						For Lab Use Only:												
West Des Moines, IA 50265		Analysis Turnaround Time						Walk-in Client:												
		Other: ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day						Lab Sampling												
Project Name SCL 2nd 2025 HMSP Geochemistry & NA								Job / SDG No												
Site, Scott County Landfill																				
P O # 27225277 26																				
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Calcium	Chloride	Magnesium	Potassium	Sodium	Sulfate	Total Organic Carbon	Nitrate	Ammonia	Total Iron	Total Manganese	Trip Blank	Sample Specific Notes
MW-32			G	GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-17	12/3/25	15:55	G	GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-19	12/3/25	16:42	G	GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-27			G	GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
OP-17			G	GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
OP-18			G	GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-DC			G	GW		X	X	X	X	X	X	X	X	X	X	X	X	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

Special Instructions/QC Requirements & Comments

Reduced Metals List: arsenic, barium, beryllium, cadmium, cobalt, copper, lead, nickel, vanadium, and zinc

Relinquished by:	Company:	Date/Time:
Nathan Ohrt	SCS Engineers	12/4/25 12:00
Relinquished by:	Company:	Date/Time:

Received by: [Signature] Company: [Signature] Date/Time: 12/4/25 12:10

Received in Laboratory by: [Signature] Company: [Signature] Date/Time: 12-4-25 0825

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

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



Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-321877-1

SDG Number:

Login Number: 321877

List Number: 1

Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

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

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 Cedar Falls



ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/17/2025 10:47:02 AM

JOB DESCRIPTION

SCL 2nd 2025 Bracketing & Geochemistry
Scott County Landfill

JOB NUMBER

310-321973-1

Eurofins Cedar Falls

Job Notes

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

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

Authorization



Generated
12/17/2025 10:47:02 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	12
Surrogate Summary	13
QC Sample Results	14
QC Association	18
Chronicle	20
Certification Summary	21
Method Summary	22
Chain of Custody	23
Receipt Checklists	25



Case Narrative

Client: SCS Engineers
Project: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1

Job ID: 310-321973-1

Eurofins Cedar Falls

Job Narrative 310-321973-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/6/2025 11:15 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 1.6°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

Method 9056A_ORGFM_28D: The following sample was diluted due to the nature of the sample matrix: MW-33A (310-321973-1). Elevated reporting limits (RLs) are provided.

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

Metals

Method 6020B: The reference method requires samples to be preserved to a pH of <2. The following samples were received with insufficient preservation at a pH of >2: MW-36 (310-321973-3) and MW-37 (310-321973-4). The sample(s) was preserved to the appropriate pH in the laboratory.

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

General Chemistry

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

Eurofins Cedar Falls

Sample Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-321973-1	MW-33A	Ground Water	12/05/25 13:34	12/06/25 11:15	Iowa
310-321973-2	MW-34	Ground Water	12/05/25 12:55	12/06/25 11:15	Iowa
310-321973-3	MW-36	Ground Water	12/05/25 11:14	12/06/25 11:15	Iowa
310-321973-4	MW-37	Ground Water	12/05/25 12:01	12/06/25 11:15	Iowa

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Detection Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

Client Sample ID: MW-33A

Lab Sample ID: 310-321973-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	34.6		5.00	2.25	mg/L	5		9056A	Total/NA
Arsenic	0.0408		0.00200	0.000530	mg/L	1		6020B	Total/NA
Calcium	163		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000659		0.000500	0.000170	mg/L	1		6020B	Total/NA
Magnesium	84.2		0.500	0.150	mg/L	1		6020B	Total/NA
Potassium	2.90		0.500	0.170	mg/L	1		6020B	Total/NA
Sodium	46.8		1.00	0.650	mg/L	1		6020B	Total/NA
Total Suspended Solids	77.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	794		5.00	2.50	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-34

Lab Sample ID: 310-321973-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	55.6		10.0	4.50	mg/L	10		9056A	Total/NA
Sulfate	35.9		10.0	4.20	mg/L	10		9056A	Total/NA
Arsenic	0.000860	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Calcium	197		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.00726		0.000500	0.000170	mg/L	1		6020B	Total/NA
Magnesium	81.6		0.500	0.150	mg/L	1		6020B	Total/NA
Potassium	0.363	J	0.500	0.170	mg/L	1		6020B	Total/NA
Sodium	20.1		1.00	0.650	mg/L	1		6020B	Total/NA
Total Suspended Solids	3.38		1.88	1.31	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	663		5.00	2.50	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-36

Lab Sample ID: 310-321973-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00181	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Cobalt	0.00143		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	17.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-37

Lab Sample ID: 310-321973-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	2.52		1.00	0.490	ug/L	1		8260D	Total/NA
Acetone	4.57	J	10.0	3.80	ug/L	1		8260D	Total/NA
Benzene	1.53		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	1.44		1.00	0.350	ug/L	1		8260D	Total/NA
Chloride	116		10.0	4.50	mg/L	10		9056A	Total/NA
Sulfate	307		10.0	4.20	mg/L	10		9056A	Total/NA
Arsenic	0.126		0.00200	0.000530	mg/L	1		6020B	Total/NA
Calcium	229		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.0108		0.000500	0.000170	mg/L	1		6020B	Total/NA
Magnesium	207		2.00	0.600	mg/L	4		6020B	Total/NA
Potassium	3.85		0.500	0.170	mg/L	1		6020B	Total/NA
Sodium	105		1.00	0.650	mg/L	1		6020B	Total/NA
Total Suspended Solids	109		15.0	10.5	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	1150		5.00	2.50	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

Client Sample ID: MW-33A

Lab Sample ID: 310-321973-1

Date Collected: 12/05/25 13:34

Matrix: Ground Water

Date Received: 12/06/25 11:15

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.6		5.00	2.25	mg/L			12/09/25 13:33	5
Sulfate	<5.00		5.00	2.10	mg/L			12/09/25 13:33	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0408		0.00200	0.000530	mg/L		12/10/25 08:30	12/15/25 12:55	1
Calcium	163		0.500	0.190	mg/L		12/10/25 08:30	12/15/25 12:55	1
Cobalt	0.000659		0.000500	0.000170	mg/L		12/10/25 08:30	12/15/25 12:55	1
Magnesium	84.2		0.500	0.150	mg/L		12/10/25 08:30	12/15/25 12:55	1
Potassium	2.90		0.500	0.170	mg/L		12/10/25 08:30	12/15/25 12:55	1
Sodium	46.8		1.00	0.650	mg/L		12/10/25 08:30	12/15/25 12:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	77.0		15.0	10.5	mg/L			12/10/25 06:33	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	794		5.00	2.50	mg/L			12/11/25 14:34	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			12/11/25 14:34	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

Client Sample ID: MW-34

Lab Sample ID: 310-321973-2

Date Collected: 12/05/25 12:55

Matrix: Ground Water

Date Received: 12/06/25 11:15

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.6		10.0	4.50	mg/L			12/09/25 13:45	10
Sulfate	35.9		10.0	4.20	mg/L			12/09/25 13:45	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.000860	J	0.00200	0.000530	mg/L		12/10/25 08:30	12/15/25 12:58	1
Calcium	197		0.500	0.190	mg/L		12/10/25 08:30	12/15/25 12:58	1
Cobalt	0.00726		0.000500	0.000170	mg/L		12/10/25 08:30	12/15/25 12:58	1
Magnesium	81.6		0.500	0.150	mg/L		12/10/25 08:30	12/15/25 12:58	1
Potassium	0.363	J	0.500	0.170	mg/L		12/10/25 08:30	12/15/25 12:58	1
Sodium	20.1		1.00	0.650	mg/L		12/10/25 08:30	12/15/25 12:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	3.38		1.88	1.31	mg/L			12/10/25 06:33	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	663		5.00	2.50	mg/L			12/11/25 14:48	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			12/11/25 14:48	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

Client Sample ID: MW-36

Lab Sample ID: 310-321973-3

Date Collected: 12/05/25 11:14

Matrix: Ground Water

Date Received: 12/06/25 11:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00181	J	0.00200	0.000530	mg/L		12/10/25 08:30	12/15/25 13:07	1
Cobalt	0.00143		0.000500	0.000170	mg/L		12/10/25 08:30	12/15/25 13:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	17.0		15.0	10.5	mg/L			12/10/25 06:33	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

Client Sample ID: MW-37

Lab Sample ID: 310-321973-4

Date Collected: 12/05/25 12:01

Matrix: Ground Water

Date Received: 12/06/25 11:15

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			12/09/25 05:27	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/09/25 05:27	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/09/25 05:27	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/09/25 05:27	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/09/25 05:27	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/09/25 05:27	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/09/25 05:27	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/09/25 05:27	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/09/25 05:27	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/09/25 05:27	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/09/25 05:27	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/09/25 05:27	1
1,4-Dichlorobenzene	2.52		1.00	0.490	ug/L			12/09/25 05:27	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/09/25 05:27	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/09/25 05:27	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/09/25 05:27	1
Acetone	4.57 J		10.0	3.80	ug/L			12/09/25 05:27	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/09/25 05:27	1
Benzene	1.53		0.500	0.220	ug/L			12/09/25 05:27	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/09/25 05:27	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/09/25 05:27	1
Bromoform	<5.00		5.00	2.60	ug/L			12/09/25 05:27	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/09/25 05:27	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/09/25 05:27	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/09/25 05:27	1
Chlorobenzene	1.44		1.00	0.350	ug/L			12/09/25 05:27	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/09/25 05:27	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/09/25 05:27	1
Chloroform	<3.00		3.00	1.30	ug/L			12/09/25 05:27	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/09/25 05:27	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/09/25 05:27	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/09/25 05:27	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/09/25 05:27	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/09/25 05:27	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/09/25 05:27	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/09/25 05:27	1
Styrene	<1.00		1.00	0.370	ug/L			12/09/25 05:27	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/09/25 05:27	1
Toluene	<1.00		1.00	0.430	ug/L			12/09/25 05:27	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/09/25 05:27	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/09/25 05:27	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/09/25 05:27	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/09/25 05:27	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/09/25 05:27	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/09/25 05:27	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/09/25 05:27	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/09/25 05:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	108		76 - 130		12/09/25 05:27	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

Client Sample ID: MW-37

Lab Sample ID: 310-321973-4

Date Collected: 12/05/25 12:01

Matrix: Ground Water

Date Received: 12/06/25 11:15

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		80 - 120		12/09/25 05:27	1
4-Bromofluorobenzene (Surr)	104		80 - 120		12/09/25 05:27	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		10.0	4.50	mg/L			12/09/25 13:56	10
Sulfate	307		10.0	4.20	mg/L			12/09/25 13:56	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.126		0.00200	0.000530	mg/L		12/10/25 08:30	12/15/25 13:10	1
Calcium	229		0.500	0.190	mg/L		12/10/25 08:30	12/15/25 13:10	1
Cobalt	0.0108		0.000500	0.000170	mg/L		12/10/25 08:30	12/15/25 13:10	1
Magnesium	207		2.00	0.600	mg/L		12/10/25 08:30	12/16/25 13:36	4
Potassium	3.85		0.500	0.170	mg/L		12/10/25 08:30	12/15/25 13:10	1
Sodium	105		1.00	0.650	mg/L		12/10/25 08:30	12/15/25 13:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	109		15.0	10.5	mg/L			12/10/25 06:33	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	1150		5.00	2.50	mg/L			12/11/25 15:00	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			12/11/25 15:00	1

Definitions/Glossary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

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: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

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

Matrix: Ground Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	DBFM (76-130)	TOL (80-120)	BFB (80-120)				
310-321973-4	MW-37	108	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)						
Lab Sample ID	Client Sample ID	DBFM (76-130)	TOL (80-120)	BFB (80-120)				
LCS 310-475790/6	Lab Control Sample	106	96	100				
LCS 310-475790/7	Lab Control Sample	108	89	103				
MB 310-475790/5	Method Blank	104	91	102				
Surrogate Legend								
DBFM = Dibromofluoromethane (Surr)								
TOL = Toluene-d8 (Surr)								
BFB = 4-Bromofluorobenzene (Surr)								

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

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

Lab Sample ID: MB 310-475790/5

Matrix: Water

Analysis Batch: 475790

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			12/08/25 22:18	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/08/25 22:18	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/08/25 22:18	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/08/25 22:18	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/08/25 22:18	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/08/25 22:18	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/08/25 22:18	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/08/25 22:18	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/08/25 22:18	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/08/25 22:18	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/08/25 22:18	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/08/25 22:18	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/08/25 22:18	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/08/25 22:18	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/08/25 22:18	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/08/25 22:18	1
Acetone	<10.0		10.0	3.80	ug/L			12/08/25 22:18	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/08/25 22:18	1
Benzene	<0.500		0.500	0.220	ug/L			12/08/25 22:18	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/08/25 22:18	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/08/25 22:18	1
Bromoform	<5.00		5.00	2.60	ug/L			12/08/25 22:18	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/08/25 22:18	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/08/25 22:18	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/08/25 22:18	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/08/25 22:18	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/08/25 22:18	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/08/25 22:18	1
Chloroform	<3.00		3.00	1.30	ug/L			12/08/25 22:18	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/08/25 22:18	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/08/25 22:18	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/08/25 22:18	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/08/25 22:18	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/08/25 22:18	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/08/25 22:18	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/08/25 22:18	1
Styrene	<1.00		1.00	0.370	ug/L			12/08/25 22:18	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/08/25 22:18	1
Toluene	<1.00		1.00	0.430	ug/L			12/08/25 22:18	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/08/25 22:18	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/08/25 22:18	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/08/25 22:18	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/08/25 22:18	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/08/25 22:18	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/08/25 22:18	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/08/25 22:18	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/08/25 22:18	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

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

Lab Sample ID: MB 310-475790/5

Matrix: Water

Analysis Batch: 475790

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		76 - 130		12/08/25 22:18	1
Toluene-d8 (Surr)	91		80 - 120		12/08/25 22:18	1
4-Bromofluorobenzene (Surr)	102		80 - 120		12/08/25 22:18	1

Lab Sample ID: LCS 310-475790/6

Matrix: Water

Analysis Batch: 475790

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	20.34		ug/L		102	70 - 121
1,1,1-Trichloroethane	20.0	22.63		ug/L		113	69 - 130
1,1,2,2-Tetrachloroethane	20.0	20.15		ug/L		101	70 - 122
1,1,2-Trichloroethane	20.0	22.24		ug/L		111	75 - 121
1,1-Dichloroethane	20.0	21.50		ug/L		107	69 - 127
1,1-Dichloroethene	20.0	22.01		ug/L		110	64 - 134
1,2,3-Trichloropropane	20.0	19.41		ug/L		97	70 - 122
1,2-Dibromo-3-chloropropane	20.0	18.22		ug/L		91	62 - 132
1,2-Dibromoethane (EDB)	20.0	18.65		ug/L		93	74 - 122
1,2-Dichlorobenzene	20.0	19.84		ug/L		99	74 - 120
1,2-Dichloroethane	20.0	19.93		ug/L		100	68 - 125
1,2-Dichloropropane	20.0	20.16		ug/L		101	72 - 128
1,4-Dichlorobenzene	20.0	20.60		ug/L		103	72 - 120
2-Butanone (MEK)	40.0	37.64		ug/L		94	60 - 134
2-Hexanone	40.0	39.93		ug/L		100	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	35.31		ug/L		88	62 - 136
Acetone	40.0	47.89		ug/L		120	59 - 136
Acrylonitrile	200	242.6		ug/L		121	50 - 150
Benzene	20.0	20.73		ug/L		104	71 - 125
Bromochloromethane	20.0	22.39		ug/L		112	69 - 131
Bromodichloromethane	20.0	21.12		ug/L		106	70 - 122
Bromoform	20.0	18.87		ug/L		94	62 - 122
Carbon disulfide	20.0	22.52		ug/L		113	58 - 137
Carbon tetrachloride	20.0	23.67		ug/L		118	63 - 136
Chlorobenzene	20.0	19.79		ug/L		99	74 - 120
Chlorodibromomethane	20.0	18.98		ug/L		95	69 - 121
Chloroform	20.0	21.12		ug/L		106	72 - 122
cis-1,2-Dichloroethene	20.0	22.01		ug/L		110	72 - 123
cis-1,3-Dichloropropene	20.0	19.01		ug/L		95	72 - 123
Dibromomethane	20.0	22.22		ug/L		111	72 - 122
Ethylbenzene	20.0	19.44		ug/L		97	75 - 120
Iodomethane	20.0	16.34		ug/L		82	18 - 150
Methylene chloride	20.0	23.96		ug/L		120	72 - 128
Styrene	20.0	19.55		ug/L		98	74 - 122
Tetrachloroethene	20.0	21.14		ug/L		106	70 - 128
Toluene	20.0	20.36		ug/L		102	74 - 120
trans-1,2-Dichloroethene	20.0	22.52		ug/L		113	67 - 127
trans-1,3-Dichloropropene	20.0	16.93		ug/L		85	67 - 123
trans-1,4-Dichloro-2-butene	20.0	16.83		ug/L		84	50 - 150

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

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

Lab Sample ID: LCS 310-475790/6

Matrix: Water

Analysis Batch: 475790

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	20.0	19.60		ug/L		98	70 - 128
Vinyl acetate	40.0	36.43		ug/L		91	50 - 150
Xylenes, Total	40.0	39.33		ug/L		98	74 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	106		76 - 130
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120

Lab Sample ID: LCS 310-475790/7

Matrix: Water

Analysis Batch: 475790

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	21.52		ug/L		108	33 - 138
Chloroethane	20.0	23.72		ug/L		119	59 - 139
Chloromethane	20.0	24.17		ug/L		121	52 - 146
Trichlorofluoromethane	20.0	22.45		ug/L		112	55 - 150
Vinyl chloride	20.0	24.27		ug/L		121	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	108		76 - 130
Toluene-d8 (Surr)	89		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-476021/3

Matrix: Water

Analysis Batch: 476021

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			12/09/25 11:16	1
Sulfate	<1.00		1.00	0.420	mg/L			12/09/25 11:16	1

Lab Sample ID: LCS 310-476021/4

Matrix: Water

Analysis Batch: 476021

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	9.352		mg/L		94	90 - 110
Sulfate	10.0	10.00		mg/L		100	90 - 110

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-475952/1-A

Matrix: Water

Analysis Batch: 476535

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475952

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		12/10/25 08:30	12/15/25 12:33	1
Calcium	<0.500		0.500	0.190	mg/L		12/10/25 08:30	12/15/25 12:33	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		12/10/25 08:30	12/15/25 12:33	1
Magnesium	<0.500		0.500	0.150	mg/L		12/10/25 08:30	12/15/25 12:33	1
Potassium	<0.500		0.500	0.170	mg/L		12/10/25 08:30	12/15/25 12:33	1
Sodium	<1.00		1.00	0.650	mg/L		12/10/25 08:30	12/15/25 12:33	1

Lab Sample ID: LCS 310-475952/2-A

Matrix: Water

Analysis Batch: 476535

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475952

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.1928		mg/L		96	80 - 120
Calcium	2.00	2.146		mg/L		107	80 - 120
Cobalt	0.100	0.09908		mg/L		99	80 - 120
Magnesium	2.00	2.052		mg/L		103	80 - 120
Potassium	2.00	1.934		mg/L		97	80 - 120
Sodium	2.00	2.151		mg/L		108	80 - 120

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

Lab Sample ID: MB 310-475986/1

Matrix: Water

Analysis Batch: 475986

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			12/10/25 06:33	1

Lab Sample ID: LCS 310-475986/2

Matrix: Water

Analysis Batch: 475986

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	108.0		mg/L		108	82 - 117

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

GC/MS VOA

Analysis Batch: 475790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321973-4	MW-37	Total/NA	Ground Water	8260D	
MB 310-475790/5	Method Blank	Total/NA	Water	8260D	
LCS 310-475790/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-475790/7	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 476021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321973-1	MW-33A	Total/NA	Ground Water	9056A	
310-321973-2	MW-34	Total/NA	Ground Water	9056A	
310-321973-4	MW-37	Total/NA	Ground Water	9056A	
MB 310-476021/3	Method Blank	Total/NA	Water	9056A	
LCS 310-476021/4	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 475952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321973-1	MW-33A	Total/NA	Ground Water	3005A	
310-321973-2	MW-34	Total/NA	Ground Water	3005A	
310-321973-3	MW-36	Total/NA	Ground Water	3005A	
310-321973-4	MW-37	Total/NA	Ground Water	3005A	
MB 310-475952/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-475952/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 476535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321973-1	MW-33A	Total/NA	Ground Water	6020B	475952
310-321973-2	MW-34	Total/NA	Ground Water	6020B	475952
310-321973-3	MW-36	Total/NA	Ground Water	6020B	475952
310-321973-4	MW-37	Total/NA	Ground Water	6020B	475952
MB 310-475952/1-A	Method Blank	Total/NA	Water	6020B	475952
LCS 310-475952/2-A	Lab Control Sample	Total/NA	Water	6020B	475952

Analysis Batch: 476653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321973-4	MW-37	Total/NA	Ground Water	6020B	475952

General Chemistry

Analysis Batch: 475986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321973-1	MW-33A	Total/NA	Ground Water	I-3765-85	
310-321973-2	MW-34	Total/NA	Ground Water	I-3765-85	
310-321973-3	MW-36	Total/NA	Ground Water	I-3765-85	
310-321973-4	MW-37	Total/NA	Ground Water	I-3765-85	
MB 310-475986/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-475986/2	Lab Control Sample	Total/NA	Water	I-3765-85	

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

General Chemistry

Analysis Batch: 476264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321973-1	MW-33A	Total/NA	Ground Water	SM 2320B	
310-321973-2	MW-34	Total/NA	Ground Water	SM 2320B	
310-321973-4	MW-37	Total/NA	Ground Water	SM 2320B	
LCS 310-476264/2	Lab Control Sample	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County Landfill

Client Sample ID: MW-33A

Lab Sample ID: 310-321973-1

Date Collected: 12/05/25 13:34

Matrix: Ground Water

Date Received: 12/06/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	476021	HE7K	EET CF	12/09/25 13:33
Total/NA	Prep	3005A			475952	RLT9	EET CF	12/10/25 08:30
Total/NA	Analysis	6020B		1	476535	NFT2	EET CF	12/15/25 12:55
Total/NA	Analysis	I-3765-85		1	475986	DGU1	EET CF	12/10/25 06:33
Total/NA	Analysis	SM 2320B		1	476264	WZC8	EET CF	12/11/25 14:34

Client Sample ID: MW-34

Lab Sample ID: 310-321973-2

Date Collected: 12/05/25 12:55

Matrix: Ground Water

Date Received: 12/06/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		10	476021	HE7K	EET CF	12/09/25 13:45
Total/NA	Prep	3005A			475952	RLT9	EET CF	12/10/25 08:30
Total/NA	Analysis	6020B		1	476535	NFT2	EET CF	12/15/25 12:58
Total/NA	Analysis	I-3765-85		1	475986	DGU1	EET CF	12/10/25 06:33
Total/NA	Analysis	SM 2320B		1	476264	WZC8	EET CF	12/11/25 14:48

Client Sample ID: MW-36

Lab Sample ID: 310-321973-3

Date Collected: 12/05/25 11:14

Matrix: Ground Water

Date Received: 12/06/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			475952	RLT9	EET CF	12/10/25 08:30
Total/NA	Analysis	6020B		1	476535	NFT2	EET CF	12/15/25 13:07
Total/NA	Analysis	I-3765-85		1	475986	DGU1	EET CF	12/10/25 06:33

Client Sample ID: MW-37

Lab Sample ID: 310-321973-4

Date Collected: 12/05/25 12:01

Matrix: Ground Water

Date Received: 12/06/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475790	WSE8	EET CF	12/09/25 05:27
Total/NA	Analysis	9056A		10	476021	HE7K	EET CF	12/09/25 13:56
Total/NA	Prep	3005A			475952	RLT9	EET CF	12/10/25 08:30
Total/NA	Analysis	6020B		4	476653	NFT2	EET CF	12/16/25 13:36
Total/NA	Prep	3005A			475952	RLT9	EET CF	12/10/25 08:30
Total/NA	Analysis	6020B		1	476535	NFT2	EET CF	12/15/25 13:10
Total/NA	Analysis	I-3765-85		1	475986	DGU1	EET CF	12/10/25 06:33
Total/NA	Analysis	SM 2320B		1	476264	WZC8	EET CF	12/11/25 15:00

Laboratory References:

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

Eurofins Cedar Falls

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County 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 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-321973-1
SDG: Scott County 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
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
SM 2320B	Alkalinity	SM	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF

Protocol References:

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

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

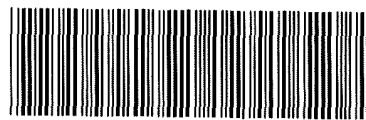
USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

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



Environment Testing
America



310-321973 Chain of Custody

Cooler/Sample Receipt and Tempera.

Client Information			
Client: <u>SCS Engineers</u>			
City/State	CITY <u>West Des Moines</u>	STATE <u>IA</u>	Project.
Receipt Information			
Date/Time Received	DATE <u>12/06/25</u>	TIME <u>1115</u>	Received By <u>ES</u>
Delivery Type ☐ UPS ☒ FedEx <u>SAT</u> ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID:
Multiple Coolers?		☐ Yes ☒ No	If yes: Cooler # ____ of ____
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes. Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>BB</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature - If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>1.6</u>		Corrected Temp (°C) <u>1.6</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1 <u>pk 1L NT</u>		CONTAINER 2
Uncorrected Temp (°C):	<u>1.6</u>		
Corrected Temp (°C):	<u>1.6</u>		
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☒ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			
<u>temp blank received frozen</u>			

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-321973-1
SDG Number: Scott County Landfill

Login Number: 321973

List Number: 1

Creator: Hirsch, Preston

List Source: Eurofins Cedar Falls

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/26/2025 9:28:31 AM

JOB DESCRIPTION

SCL 2nd 2025 HMSP, Geochemistry & NA

JOB NUMBER

310-322292-1

Eurofins Cedar Falls

Job Notes

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

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

Authorization



Generated
12/26/2025 9:28:31 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 6

Detection Summary 7

Client Sample Results 9

Definitions 17

Surrogate Summary 18

QC Sample Results 19

QC Association 28

Chronicle 30

Certification Summary 32

Method Summary 33

Chain of Custody 34

Receipt Checklists 37



Case Narrative

Client: SCS Engineers
Project: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Job ID: 310-322292-1

Eurofins Cedar Falls

Job Narrative 310-322292-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/12/2025 8:25 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 0.2°C and 0.3°C.

GC/MS VOA

Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container: Trip Blank (310-322292-5).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-476683 recovered above the upper control limit for Carbon tetrachloride (31%D), 1,1,2-Trichloroethane (21%D), and 1,1,1-Trichloroethane (22%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 310-476683/3).

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 (310-322292-5).

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

Method 6020B: The reference method requires samples to be preserved to a pH of <2. The following samples were received with insufficient preservation at a pH of >2: MW-27 (310-322292-3), OP-17 (310-322292-4) and MW-DC (310-322292-6). The sample(s) was preserved to the appropriate pH in the laboratory.

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

General Chemistry

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

Eurofins Cedar Falls

Case Narrative

Client: SCS Engineers
Project: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Job ID: 310-322292-2

Eurofins Cedar Falls

Job Narrative 310-322292-2

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 12/12/2025 8:25 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 0.2°C and 0.3°C.

HPLC/IC

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

Eurofins Cedar Falls

Sample Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-322292-3	MW-27	Ground Water	12/10/25 12:38	12/12/25 08:25	Iowa
310-322292-4	OP-17	Ground Water	12/10/25 11:19	12/12/25 08:25	Iowa
310-322292-5	Trip Blank	Water	12/10/25 00:00	12/12/25 08:25	Iowa
310-322292-6	MW-DC	Ground Water	12/10/25 00:00	12/12/25 08:25	Iowa

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Client Sample ID: MW-27

Lab Sample ID: 310-322292-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.70		1.00	0.400	ug/L	1		8260D	Total/NA
1,2-Dichloropropane	0.556	J	1.00	0.380	ug/L	1		8260D	Total/NA
Benzene	0.232	J	0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	1.91		1.00	0.350	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	21.3		1.00	0.550	ug/L	1		8260D	Total/NA
Chloride	13.4		1.00	0.450	mg/L	1		9056A	Total/NA
Nitrate as N	2.65		0.200	0.0780	mg/L	1		9056A	Total/NA
Sulfate	148		10.0	4.20	mg/L	10		9056A	Total/NA
Arsenic	0.00269		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.151		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00207		0.000500	0.000170	mg/L	1		6020B	Total/NA
Sodium	24.4		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	0.928		0.500	0.170	mg/L	1		6020B	Total/NA
Calcium	256		0.500	0.190	mg/L	1		6020B	Total/NA
Iron	5.99		0.100	0.0500	mg/L	1		6020B	Total/NA
Magnesium	127		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	3.79		0.0100	0.00360	mg/L	1		6020B	Total/NA
Ammonia as N	2.91		0.500	0.120	mg/L	1		350.1	Total/NA
Total Suspended Solids	16.0		7.50	5.25	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	1060		5.00	2.50	mg/L	1		SM 2320B	Total/NA
Total Organic Carbon	4.55		1.00	0.500	mg/L	1		SM 5310C	Total/NA

Client Sample ID: OP-17

Lab Sample ID: 310-322292-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	5.42		1.00	0.370	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	8.12		1.00	0.490	ug/L	1		8260D	Total/NA
Acetone	4.99	J	10.0	3.80	ug/L	1		8260D	Total/NA
Benzene	1.89		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	33.8		1.00	0.350	ug/L	1		8260D	Total/NA
Chloride	265		10.0	4.50	mg/L	10		9056A	Total/NA
Sulfate	86.2		1.00	0.420	mg/L	1		9056A	Total/NA
Arsenic	0.00215		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.292		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00144		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0128		0.00500	0.00230	mg/L	1		6020B	Total/NA
Sodium	178		1.00	0.650	mg/L	1		6020B	Total/NA
Potassium	0.588		0.500	0.170	mg/L	1		6020B	Total/NA
Calcium	221		0.500	0.190	mg/L	1		6020B	Total/NA
Iron	22.1		0.100	0.0500	mg/L	1		6020B	Total/NA
Magnesium	128		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	1.76		0.0100	0.00360	mg/L	1		6020B	Total/NA
Total Suspended Solids	62.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	1050		5.00	2.50	mg/L	1		SM 2320B	Total/NA
Total Organic Carbon	16.3		4.00	2.00	mg/L	4		SM 5310C	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 310-322292-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: SCS Engineers

Job ID: 310-322292-1

Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Client Sample ID: MW-DC

Lab Sample ID: 310-322292-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	5.42		1.00	0.370	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	7.69		1.00	0.490	ug/L	1		8260D	Total/NA
Acetone	5.86	J	10.0	3.80	ug/L	1		8260D	Total/NA
Benzene	1.92		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	32.6		1.00	0.350	ug/L	1		8260D	Total/NA
Arsenic	0.0228		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.296		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000263		0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.0384		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.0105		0.00500	0.00320	mg/L	1		6020B	Total/NA
Lead	0.00262		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.0525		0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00306	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Zinc	0.0306		0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	348		60.0	42.0	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Client Sample ID: MW-27

Lab Sample ID: 310-322292-3

Date Collected: 12/10/25 12:38

Matrix: Ground Water

Date Received: 12/12/25 08:25

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			12/15/25 13:21	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/15/25 13:21	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/15/25 13:21	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/15/25 13:21	1
1,1-Dichloroethane	1.70		1.00	0.400	ug/L			12/15/25 13:21	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/17/25 15:15	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/15/25 13:21	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/15/25 13:21	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/15/25 13:21	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/15/25 13:21	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/15/25 13:21	1
1,2-Dichloropropane	0.556	J	1.00	0.380	ug/L			12/15/25 13:21	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/15/25 13:21	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/15/25 13:21	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/15/25 13:21	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/15/25 13:21	1
Acetone	<10.0		10.0	3.80	ug/L			12/17/25 15:15	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/15/25 13:21	1
Benzene	0.232	J	0.500	0.220	ug/L			12/15/25 13:21	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/15/25 13:21	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/15/25 13:21	1
Bromoform	<5.00		5.00	2.60	ug/L			12/15/25 13:21	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/17/25 15:15	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/15/25 13:21	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/15/25 13:21	1
Chlorobenzene	1.91		1.00	0.350	ug/L			12/15/25 13:21	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/15/25 13:21	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/15/25 13:21	1
Chloroform	<3.00		3.00	1.30	ug/L			12/15/25 13:21	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/15/25 13:21	1
cis-1,2-Dichloroethene	21.3		1.00	0.550	ug/L			12/15/25 13:21	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/15/25 13:21	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/15/25 13:21	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/15/25 13:21	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/15/25 13:21	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/15/25 13:21	1
Styrene	<1.00		1.00	0.370	ug/L			12/15/25 13:21	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/15/25 13:21	1
Toluene	<1.00		1.00	0.430	ug/L			12/15/25 13:21	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/15/25 13:21	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/15/25 13:21	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/15/25 13:21	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/15/25 13:21	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/15/25 13:21	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/15/25 13:21	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/15/25 13:21	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/15/25 13:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	99		76 - 130		12/15/25 13:21	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Client Sample ID: MW-27

Date Collected: 12/10/25 12:38

Date Received: 12/12/25 08:25

Lab Sample ID: 310-322292-3

Matrix: Ground Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	115		76 - 130		12/17/25 15:15	1
Toluene-d8 (Surr)	100		80 - 120		12/15/25 13:21	1
Toluene-d8 (Surr)	92		80 - 120		12/17/25 15:15	1
4-Bromofluorobenzene (Surr)	103		80 - 120		12/15/25 13:21	1
4-Bromofluorobenzene (Surr)	106		80 - 120		12/17/25 15:15	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.4		1.00	0.450	mg/L			12/12/25 10:37	1
Nitrate as N	2.65		0.200	0.0780	mg/L			12/12/25 10:37	1
Sulfate	148		10.0	4.20	mg/L			12/12/25 18:20	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00269		0.00200	0.000530	mg/L		12/15/25 08:45	12/16/25 15:16	1
Barium	0.151		0.00200	0.000660	mg/L		12/15/25 08:45	12/16/25 15:16	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/15/25 08:45	12/16/25 15:16	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/15/25 08:45	12/16/25 15:16	1
Cobalt	0.00207		0.000500	0.000170	mg/L		12/15/25 08:45	12/16/25 15:16	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/15/25 08:45	12/16/25 15:16	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/15/25 08:45	12/16/25 15:16	1
Nickel	<0.00500		0.00500	0.00230	mg/L		12/15/25 08:45	12/16/25 15:16	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/15/25 08:45	12/16/25 15:16	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/15/25 08:45	12/16/25 15:16	1
Sodium	24.4		1.00	0.650	mg/L		12/15/25 08:45	12/16/25 15:16	1
Potassium	0.928		0.500	0.170	mg/L		12/15/25 08:45	12/16/25 15:16	1
Calcium	256		0.500	0.190	mg/L		12/15/25 08:45	12/16/25 15:16	1
Iron	5.99		0.100	0.0500	mg/L		12/15/25 08:45	12/16/25 15:16	1
Magnesium	127		2.00	0.600	mg/L		12/15/25 08:45	12/17/25 14:38	4
Manganese	3.79		0.0100	0.00360	mg/L		12/15/25 08:45	12/16/25 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	2.91		0.500	0.120	mg/L			12/17/25 20:24	1
Total Suspended Solids (USGS I-3765-85)	16.0		7.50	5.25	mg/L			12/16/25 05:29	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	1060		5.00	2.50	mg/L			12/19/25 17:04	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			12/19/25 17:04	1
Total Organic Carbon (SM 5310C)	4.55		1.00	0.500	mg/L			12/16/25 05:33	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Client Sample ID: OP-17

Lab Sample ID: 310-322292-4

Date Collected: 12/10/25 11:19

Matrix: Ground Water

Date Received: 12/12/25 08:25

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			12/15/25 13:43	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/15/25 13:43	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/15/25 13:43	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/15/25 13:43	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/15/25 13:43	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/17/25 15:37	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/15/25 13:43	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/15/25 13:43	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/15/25 13:43	1
1,2-Dichlorobenzene	5.42		1.00	0.370	ug/L			12/15/25 13:43	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/15/25 13:43	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/15/25 13:43	1
1,4-Dichlorobenzene	8.12		1.00	0.490	ug/L			12/15/25 13:43	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/15/25 13:43	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/15/25 13:43	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/15/25 13:43	1
Acetone	4.99 J		10.0	3.80	ug/L			12/17/25 15:37	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/15/25 13:43	1
Benzene	1.89		0.500	0.220	ug/L			12/15/25 13:43	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/15/25 13:43	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/15/25 13:43	1
Bromoform	<5.00		5.00	2.60	ug/L			12/15/25 13:43	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/17/25 15:37	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/15/25 13:43	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/15/25 13:43	1
Chlorobenzene	33.8		1.00	0.350	ug/L			12/15/25 13:43	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/15/25 13:43	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/15/25 13:43	1
Chloroform	<3.00		3.00	1.30	ug/L			12/15/25 13:43	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/15/25 13:43	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/15/25 13:43	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/15/25 13:43	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/15/25 13:43	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/15/25 13:43	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/15/25 13:43	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/15/25 13:43	1
Styrene	<1.00		1.00	0.370	ug/L			12/15/25 13:43	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/15/25 13:43	1
Toluene	<1.00		1.00	0.430	ug/L			12/15/25 13:43	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/15/25 13:43	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/15/25 13:43	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/15/25 13:43	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/15/25 13:43	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/15/25 13:43	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/15/25 13:43	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/15/25 13:43	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/15/25 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		76 - 130		12/15/25 13:43	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Client Sample ID: OP-17

Date Collected: 12/10/25 11:19

Date Received: 12/12/25 08:25

Lab Sample ID: 310-322292-4

Matrix: Ground Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		76 - 130		12/17/25 15:37	1
Toluene-d8 (Surr)	97		80 - 120		12/15/25 13:43	1
Toluene-d8 (Surr)	92		80 - 120		12/17/25 15:37	1
4-Bromofluorobenzene (Surr)	101		80 - 120		12/15/25 13:43	1
4-Bromofluorobenzene (Surr)	104		80 - 120		12/17/25 15:37	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	265		10.0	4.50	mg/L			12/12/25 17:45	10
Nitrate as N	<0.200		0.200	0.0780	mg/L			12/12/25 10:25	1
Sulfate	86.2		1.00	0.420	mg/L			12/12/25 10:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00215		0.00200	0.000530	mg/L		12/15/25 08:45	12/16/25 15:19	1
Barium	0.292		0.00200	0.000660	mg/L		12/15/25 08:45	12/16/25 15:19	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/15/25 08:45	12/16/25 15:19	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/15/25 08:45	12/16/25 15:19	1
Cobalt	0.00144		0.000500	0.000170	mg/L		12/15/25 08:45	12/16/25 15:19	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/15/25 08:45	12/16/25 15:19	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/15/25 08:45	12/16/25 15:19	1
Nickel	0.0128		0.00500	0.00230	mg/L		12/15/25 08:45	12/16/25 15:19	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/15/25 08:45	12/16/25 15:19	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/15/25 08:45	12/16/25 15:19	1
Sodium	178		1.00	0.650	mg/L		12/15/25 08:45	12/16/25 15:19	1
Potassium	0.588		0.500	0.170	mg/L		12/15/25 08:45	12/16/25 15:19	1
Calcium	221		0.500	0.190	mg/L		12/15/25 08:45	12/16/25 15:19	1
Iron	22.1		0.100	0.0500	mg/L		12/15/25 08:45	12/16/25 15:19	1
Magnesium	128		2.00	0.600	mg/L		12/15/25 08:45	12/17/25 14:41	4
Manganese	1.76		0.0100	0.00360	mg/L		12/15/25 08:45	12/16/25 15:19	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			12/17/25 20:27	1
Total Suspended Solids (USGS I-3765-85)	62.0		15.0	10.5	mg/L			12/16/25 05:29	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	1050		5.00	2.50	mg/L			12/19/25 17:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			12/19/25 17:28	1
Total Organic Carbon (SM 5310C)	16.3		4.00	2.00	mg/L			12/22/25 15:11	4

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Client Sample ID: Trip Blank

Lab Sample ID: 310-322292-5

Date Collected: 12/10/25 00:00

Matrix: Water

Date Received: 12/12/25 08:25

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			12/15/25 12:15	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/15/25 12:15	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/15/25 12:15	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/15/25 12:15	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/15/25 12:15	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/17/25 12:37	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/15/25 12:15	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/15/25 12:15	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/15/25 12:15	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/15/25 12:15	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/15/25 12:15	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/15/25 12:15	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/15/25 12:15	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/15/25 12:15	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/15/25 12:15	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/15/25 12:15	1
Acetone	<10.0		10.0	3.80	ug/L			12/17/25 12:37	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/15/25 12:15	1
Benzene	<0.500		0.500	0.220	ug/L			12/15/25 12:15	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/15/25 12:15	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/15/25 12:15	1
Bromoform	<5.00		5.00	2.60	ug/L			12/15/25 12:15	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/17/25 12:37	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/15/25 12:15	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/15/25 12:15	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/15/25 12:15	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/15/25 12:15	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/15/25 12:15	1
Chloroform	<3.00		3.00	1.30	ug/L			12/15/25 12:15	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/15/25 12:15	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/15/25 12:15	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/15/25 12:15	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/15/25 12:15	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/15/25 12:15	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/15/25 12:15	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/15/25 12:15	1
Styrene	<1.00		1.00	0.370	ug/L			12/15/25 12:15	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/15/25 12:15	1
Toluene	<1.00		1.00	0.430	ug/L			12/15/25 12:15	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/15/25 12:15	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/15/25 12:15	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/15/25 12:15	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/15/25 12:15	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/15/25 12:15	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/15/25 12:15	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/15/25 12:15	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/15/25 12:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	97		76 - 130		12/15/25 12:15	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Client Sample ID: Trip Blank

Lab Sample ID: 310-322292-5

Date Collected: 12/10/25 00:00

Matrix: Water

Date Received: 12/12/25 08:25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		76 - 130		12/17/25 12:37	1
Toluene-d8 (Surr)	98		80 - 120		12/15/25 12:15	1
Toluene-d8 (Surr)	94		80 - 120		12/17/25 12:37	1
4-Bromofluorobenzene (Surr)	100		80 - 120		12/15/25 12:15	1
4-Bromofluorobenzene (Surr)	108		80 - 120		12/17/25 12:37	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Client Sample ID: MW-DC

Lab Sample ID: 310-322292-6

Date Collected: 12/10/25 00:00

Matrix: Ground Water

Date Received: 12/12/25 08:25

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			12/15/25 14:05	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/15/25 14:05	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/15/25 14:05	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/15/25 14:05	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/15/25 14:05	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/17/25 16:00	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/15/25 14:05	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/15/25 14:05	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/15/25 14:05	1
1,2-Dichlorobenzene	5.42		1.00	0.370	ug/L			12/15/25 14:05	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/15/25 14:05	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/15/25 14:05	1
1,4-Dichlorobenzene	7.69		1.00	0.490	ug/L			12/15/25 14:05	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/15/25 14:05	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/15/25 14:05	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/15/25 14:05	1
Acetone	5.86 J		10.0	3.80	ug/L			12/17/25 16:00	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/15/25 14:05	1
Benzene	1.92		0.500	0.220	ug/L			12/15/25 14:05	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/15/25 14:05	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/15/25 14:05	1
Bromoform	<5.00		5.00	2.60	ug/L			12/15/25 14:05	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/17/25 16:00	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/15/25 14:05	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/15/25 14:05	1
Chlorobenzene	32.6		1.00	0.350	ug/L			12/15/25 14:05	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/15/25 14:05	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/15/25 14:05	1
Chloroform	<3.00		3.00	1.30	ug/L			12/15/25 14:05	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/15/25 14:05	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/15/25 14:05	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/15/25 14:05	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/15/25 14:05	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/15/25 14:05	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/15/25 14:05	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/15/25 14:05	1
Styrene	<1.00		1.00	0.370	ug/L			12/15/25 14:05	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/15/25 14:05	1
Toluene	<1.00		1.00	0.430	ug/L			12/15/25 14:05	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/15/25 14:05	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/15/25 14:05	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/15/25 14:05	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/15/25 14:05	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/15/25 14:05	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/15/25 14:05	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/15/25 14:05	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/15/25 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		76 - 130		12/15/25 14:05	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Client Sample ID: MW-DC

Date Collected: 12/10/25 00:00

Date Received: 12/12/25 08:25

Lab Sample ID: 310-322292-6

Matrix: Ground Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		76 - 130		12/17/25 16:00	1
Toluene-d8 (Surr)	98		80 - 120		12/15/25 14:05	1
Toluene-d8 (Surr)	92		80 - 120		12/17/25 16:00	1
4-Bromofluorobenzene (Surr)	100		80 - 120		12/15/25 14:05	1
4-Bromofluorobenzene (Surr)	103		80 - 120		12/17/25 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0228		0.00200	0.000530	mg/L		12/15/25 08:45	12/16/25 15:21	1
Barium	0.296		0.00200	0.000660	mg/L		12/15/25 08:45	12/16/25 15:21	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/15/25 08:45	12/16/25 15:21	1
Cadmium	0.000263		0.000200	0.000100	mg/L		12/15/25 08:45	12/16/25 15:21	1
Cobalt	0.0384		0.000500	0.000170	mg/L		12/15/25 08:45	12/16/25 15:21	1
Copper	0.0105		0.00500	0.00320	mg/L		12/15/25 08:45	12/16/25 15:21	1
Lead	0.00262		0.000500	0.000330	mg/L		12/15/25 08:45	12/16/25 15:21	1
Nickel	0.0525		0.00500	0.00230	mg/L		12/15/25 08:45	12/16/25 15:21	1
Vanadium	0.00306 J		0.00500	0.00170	mg/L		12/15/25 08:45	12/16/25 15:21	1
Zinc	0.0306		0.0200	0.0130	mg/L		12/15/25 08:45	12/16/25 15:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	348		60.0	42.0	mg/L			12/16/25 05:29	1

Definitions/Glossary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

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: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

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

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-322292-3	MW-27	99	100	103
310-322292-3	MW-27	115	92	106
310-322292-4	OP-17	100	97	101
310-322292-4	OP-17	101	92	104
310-322292-6	MW-DC	101	98	100
310-322292-6	MW-DC	101	92	103

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-322292-5	Trip Blank	97	98	100
310-322292-5	Trip Blank	100	94	108
LCS 310-476463/6	Lab Control Sample	101	98	101
LCS 310-476463/7	Lab Control Sample	102	100	102
LCS 310-476683/6	Lab Control Sample	103	99	102
LCS 310-476683/7	Lab Control Sample	97	94	104
MB 310-476463/5	Method Blank	98	100	104
MB 310-476683/5	Method Blank	101	93	102

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

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

Lab Sample ID: MB 310-476463/5

Matrix: Water

Analysis Batch: 476463

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			12/15/25 10:47	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/15/25 10:47	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/15/25 10:47	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/15/25 10:47	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/15/25 10:47	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/15/25 10:47	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/15/25 10:47	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/15/25 10:47	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/15/25 10:47	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/15/25 10:47	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/15/25 10:47	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/15/25 10:47	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/15/25 10:47	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/15/25 10:47	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/15/25 10:47	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/15/25 10:47	1
Benzene	<0.500		0.500	0.220	ug/L			12/15/25 10:47	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/15/25 10:47	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/15/25 10:47	1
Bromoform	<5.00		5.00	2.60	ug/L			12/15/25 10:47	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/15/25 10:47	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/15/25 10:47	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/15/25 10:47	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/15/25 10:47	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/15/25 10:47	1
Chloroform	<3.00		3.00	1.30	ug/L			12/15/25 10:47	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/15/25 10:47	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/15/25 10:47	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/15/25 10:47	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/15/25 10:47	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/15/25 10:47	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/15/25 10:47	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/15/25 10:47	1
Styrene	<1.00		1.00	0.370	ug/L			12/15/25 10:47	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/15/25 10:47	1
Toluene	<1.00		1.00	0.430	ug/L			12/15/25 10:47	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/15/25 10:47	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/15/25 10:47	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/15/25 10:47	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/15/25 10:47	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/15/25 10:47	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/15/25 10:47	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/15/25 10:47	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/15/25 10:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98		76 - 130		12/15/25 10:47	1
Toluene-d8 (Surr)	100		80 - 120		12/15/25 10:47	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

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

Lab Sample ID: MB 310-476463/5

Matrix: Water

Analysis Batch: 476463

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		80 - 120		12/15/25 10:47	1

Lab Sample ID: LCS 310-476463/6

Matrix: Water

Analysis Batch: 476463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.94		ug/L		100	70 - 121
1,1,1-Trichloroethane	20.0	19.20		ug/L		96	69 - 130
1,1,2,2-Tetrachloroethane	20.0	18.78		ug/L		94	70 - 122
1,1,2-Trichloroethane	20.0	17.88		ug/L		89	75 - 121
1,1-Dichloroethane	20.0	17.19		ug/L		86	69 - 127
1,2,3-Trichloropropane	20.0	19.73		ug/L		99	70 - 122
1,2-Dibromo-3-chloropropane	20.0	17.77		ug/L		89	62 - 132
1,2-Dibromoethane (EDB)	20.0	18.57		ug/L		93	74 - 122
1,2-Dichlorobenzene	20.0	18.06		ug/L		90	74 - 120
1,2-Dichloroethane	20.0	18.14		ug/L		91	68 - 125
1,2-Dichloropropane	20.0	17.42		ug/L		87	72 - 128
1,4-Dichlorobenzene	20.0	17.89		ug/L		89	72 - 120
2-Butanone (MEK)	40.0	37.20		ug/L		93	60 - 134
2-Hexanone	40.0	36.06		ug/L		90	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	35.53		ug/L		89	62 - 136
Acrylonitrile	200	167.9		ug/L		84	50 - 150
Benzene	20.0	17.87		ug/L		89	71 - 125
Bromochloromethane	20.0	20.03		ug/L		100	69 - 131
Bromodichloromethane	20.0	18.20		ug/L		91	70 - 122
Bromoform	20.0	19.06		ug/L		95	62 - 122
Carbon disulfide	20.0	17.46		ug/L		87	58 - 137
Carbon tetrachloride	20.0	19.08		ug/L		95	63 - 136
Chlorobenzene	20.0	18.58		ug/L		93	74 - 120
Chlorodibromomethane	20.0	18.88		ug/L		94	69 - 121
Chloroform	20.0	17.67		ug/L		88	72 - 122
cis-1,2-Dichloroethene	20.0	18.65		ug/L		93	72 - 123
cis-1,3-Dichloropropene	20.0	17.63		ug/L		88	72 - 123
Dibromomethane	20.0	18.20		ug/L		91	72 - 122
Ethylbenzene	20.0	18.39		ug/L		92	75 - 120
Iodomethane	20.0	13.90		ug/L		69	18 - 150
Methylene chloride	20.0	18.74		ug/L		94	72 - 128
Styrene	20.0	19.14		ug/L		96	74 - 122
Tetrachloroethene	20.0	19.87		ug/L		99	70 - 128
Toluene	20.0	18.02		ug/L		90	74 - 120
trans-1,2-Dichloroethene	20.0	18.37		ug/L		92	67 - 127
trans-1,3-Dichloropropene	20.0	17.86		ug/L		89	67 - 123
trans-1,4-Dichloro-2-butene	20.0	15.79		ug/L		79	50 - 150
Trichloroethene	20.0	18.90		ug/L		94	70 - 128
Vinyl acetate	40.0	39.61		ug/L		99	50 - 150
Xylenes, Total	40.0	37.16		ug/L		93	74 - 121

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

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

Lab Sample ID: LCS 310-476463/6

Matrix: Water

Analysis Batch: 476463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	101		76 - 130
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120

Lab Sample ID: LCS 310-476463/7

Matrix: Water

Analysis Batch: 476463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	20.0	17.46		ug/L		87	59 - 139
Chloromethane	20.0	16.92		ug/L		85	52 - 146
Trichlorofluoromethane	20.0	19.58		ug/L		98	55 - 150
Vinyl chloride	20.0	17.62		ug/L		88	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	102		76 - 130
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120

Lab Sample ID: MB 310-476683/5

Matrix: Water

Analysis Batch: 476683

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			12/17/25 11:29	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/17/25 11:29	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/17/25 11:29	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/17/25 11:29	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/17/25 11:29	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/17/25 11:29	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/17/25 11:29	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/17/25 11:29	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/17/25 11:29	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/17/25 11:29	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/17/25 11:29	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/17/25 11:29	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/17/25 11:29	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/17/25 11:29	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/17/25 11:29	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/17/25 11:29	1
Acetone	<10.0		10.0	3.80	ug/L			12/17/25 11:29	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/17/25 11:29	1
Benzene	<0.500		0.500	0.220	ug/L			12/17/25 11:29	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/17/25 11:29	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/17/25 11:29	1
Bromoform	<5.00		5.00	2.60	ug/L			12/17/25 11:29	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/17/25 11:29	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/17/25 11:29	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

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

Lab Sample ID: MB 310-476683/5

Matrix: Water

Analysis Batch: 476683

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/17/25 11:29	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/17/25 11:29	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/17/25 11:29	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/17/25 11:29	1
Chloroform	<3.00		3.00	1.30	ug/L			12/17/25 11:29	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/17/25 11:29	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/17/25 11:29	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/17/25 11:29	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/17/25 11:29	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/17/25 11:29	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/17/25 11:29	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/17/25 11:29	1
Styrene	<1.00		1.00	0.370	ug/L			12/17/25 11:29	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/17/25 11:29	1
Toluene	<1.00		1.00	0.430	ug/L			12/17/25 11:29	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/17/25 11:29	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/17/25 11:29	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/17/25 11:29	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/17/25 11:29	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/17/25 11:29	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/17/25 11:29	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/17/25 11:29	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/17/25 11:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		76 - 130		12/17/25 11:29	1
Toluene-d8 (Surr)	93		80 - 120		12/17/25 11:29	1
4-Bromofluorobenzene (Surr)	102		80 - 120		12/17/25 11:29	1

Lab Sample ID: LCS 310-476683/6

Matrix: Water

Analysis Batch: 476683

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	21.64		ug/L		108	70 - 121
1,1,1-Trichloroethane	20.0	24.93		ug/L		125	69 - 130
1,1,2,2-Tetrachloroethane	20.0	20.84		ug/L		104	70 - 122
1,1,2-Trichloroethane	20.0	22.87		ug/L		114	75 - 121
1,1-Dichloroethane	20.0	22.26		ug/L		111	69 - 127
1,1-Dichloroethene	20.0	23.93		ug/L		120	64 - 134
1,2,3-Trichloropropane	20.0	20.94		ug/L		105	70 - 122
1,2-Dibromo-3-chloropropane	20.0	20.01		ug/L		100	62 - 132
1,2-Dibromoethane (EDB)	20.0	20.55		ug/L		103	74 - 122
1,2-Dichlorobenzene	20.0	21.17		ug/L		106	74 - 120
1,2-Dichloroethane	20.0	23.01		ug/L		115	68 - 125
1,2-Dichloropropane	20.0	21.04		ug/L		105	72 - 128
1,4-Dichlorobenzene	20.0	22.43		ug/L		112	72 - 120
2-Butanone (MEK)	40.0	41.25		ug/L		103	60 - 134

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

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

Lab Sample ID: LCS 310-476683/6

Matrix: Water

Analysis Batch: 476683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	41.61		ug/L		104	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	37.90		ug/L		95	62 - 136
Acetone	40.0	49.08		ug/L		123	59 - 136
Acrylonitrile	200	238.5		ug/L		119	50 - 150
Benzene	20.0	21.50		ug/L		108	71 - 125
Bromochloromethane	20.0	23.53		ug/L		118	69 - 131
Bromodichloromethane	20.0	22.85		ug/L		114	70 - 122
Bromoform	20.0	19.67		ug/L		98	62 - 122
Carbon disulfide	20.0	23.22		ug/L		116	58 - 137
Carbon tetrachloride	20.0	26.23		ug/L		131	63 - 136
Chlorobenzene	20.0	21.23		ug/L		106	74 - 120
Chlorodibromomethane	20.0	21.10		ug/L		105	69 - 121
Chloroform	20.0	22.25		ug/L		111	72 - 122
cis-1,2-Dichloroethene	20.0	22.76		ug/L		114	72 - 123
cis-1,3-Dichloropropene	20.0	21.42		ug/L		107	72 - 123
Dibromomethane	20.0	22.89		ug/L		114	72 - 122
Ethylbenzene	20.0	20.97		ug/L		105	75 - 120
Iodomethane	20.0	20.47		ug/L		102	18 - 150
Methylene chloride	20.0	24.57		ug/L		123	72 - 128
Styrene	20.0	21.09		ug/L		105	74 - 122
Tetrachloroethene	20.0	22.54		ug/L		113	70 - 128
Toluene	20.0	21.52		ug/L		108	74 - 120
trans-1,2-Dichloroethene	20.0	23.76		ug/L		119	67 - 127
trans-1,3-Dichloropropene	20.0	19.19		ug/L		96	67 - 123
trans-1,4-Dichloro-2-butene	20.0	20.41		ug/L		102	50 - 150
Trichloroethene	20.0	21.62		ug/L		108	70 - 128
Vinyl acetate	40.0	41.81		ug/L		105	50 - 150
Xylenes, Total	40.0	43.25		ug/L		108	74 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	103		76 - 130
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120

Lab Sample ID: LCS 310-476683/7

Matrix: Water

Analysis Batch: 476683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	19.54		ug/L		98	33 - 138
Chloroethane	20.0	21.73		ug/L		109	59 - 139
Chloromethane	20.0	20.24		ug/L		101	52 - 146
Trichlorofluoromethane	20.0	23.64		ug/L		118	55 - 150
Vinyl chloride	20.0	22.05		ug/L		110	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	97		76 - 130
Toluene-d8 (Surr)	94		80 - 120

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

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

Lab Sample ID: LCS 310-476683/7

Matrix: Water

Analysis Batch: 476683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		80 - 120

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-476451/3

Matrix: Water

Analysis Batch: 476451

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			12/12/25 09:04	1
Nitrate as N	<0.200		0.200	0.0780	mg/L			12/12/25 09:04	1
Sulfate	<1.00		1.00	0.420	mg/L			12/12/25 09:04	1

Lab Sample ID: LCS 310-476451/4

Matrix: Water

Analysis Batch: 476451

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	9.129		mg/L		91	90 - 110
Nitrate as N	2.00	1.921		mg/L		96	90 - 110
Sulfate	10.0	9.661		mg/L		97	90 - 110

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-476343/1-A

Matrix: Water

Analysis Batch: 476653

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		12/15/25 08:45	12/16/25 14:56	1
Barium	<0.00200		0.00200	0.000660	mg/L		12/15/25 08:45	12/16/25 14:56	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/15/25 08:45	12/16/25 14:56	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/15/25 08:45	12/16/25 14:56	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		12/15/25 08:45	12/16/25 14:56	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/15/25 08:45	12/16/25 14:56	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/15/25 08:45	12/16/25 14:56	1
Nickel	<0.00500		0.00500	0.00230	mg/L		12/15/25 08:45	12/16/25 14:56	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/15/25 08:45	12/16/25 14:56	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/15/25 08:45	12/16/25 14:56	1
Sodium	<1.00		1.00	0.650	mg/L		12/15/25 08:45	12/16/25 14:56	1
Potassium	<0.500		0.500	0.170	mg/L		12/15/25 08:45	12/16/25 14:56	1
Calcium	<0.500		0.500	0.190	mg/L		12/15/25 08:45	12/16/25 14:56	1
Iron	<0.100		0.100	0.0500	mg/L		12/15/25 08:45	12/16/25 14:56	1
Magnesium	<0.500		0.500	0.150	mg/L		12/15/25 08:45	12/16/25 14:56	1
Manganese	<0.0100		0.0100	0.00360	mg/L		12/15/25 08:45	12/16/25 14:56	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

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

Lab Sample ID: LCS 310-476343/2-A
Matrix: Water
Analysis Batch: 476653

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.1954		mg/L		98	80 - 120
Barium	0.100	0.09584		mg/L		96	80 - 120
Beryllium	0.100	0.09473		mg/L		95	80 - 120
Cadmium	0.100	0.09700		mg/L		97	80 - 120
Cobalt	0.100	0.09566		mg/L		96	80 - 120
Copper	0.200	0.1972		mg/L		99	80 - 120
Lead	0.200	0.2007		mg/L		100	80 - 120
Nickel	0.200	0.1982		mg/L		99	80 - 120
Vanadium	0.100	0.09540		mg/L		95	80 - 120
Zinc	0.200	0.1985		mg/L		99	80 - 120
Sodium	2.00	2.009		mg/L		100	80 - 120
Potassium	2.00	1.959		mg/L		98	80 - 120
Calcium	2.00	1.800		mg/L		90	80 - 120
Iron	0.200	0.2142		mg/L		107	80 - 120
Magnesium	2.00	2.013		mg/L		101	80 - 120
Manganese	0.100	0.09836		mg/L		98	80 - 120

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 310-476760/16
Matrix: Water
Analysis Batch: 476760

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			12/17/25 15:45	1

Lab Sample ID: MB 310-476760/48
Matrix: Water
Analysis Batch: 476760

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			12/17/25 17:42	1

Lab Sample ID: MB 310-476760/84
Matrix: Water
Analysis Batch: 476760

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			12/17/25 19:54	1

Lab Sample ID: LCS 310-476760/14
Matrix: Water
Analysis Batch: 476760

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	2.133		mg/L		94	90 - 110

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 310-476760/49
Matrix: Water
Analysis Batch: 476760

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	2.048		mg/L		91	90 - 110

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

Lab Sample ID: MB 310-476514/1
Matrix: Water
Analysis Batch: 476514

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			12/16/25 05:29	1

Lab Sample ID: LCS 310-476514/2
Matrix: Water
Analysis Batch: 476514

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	104.0		mg/L		104	82 - 117

Lab Sample ID: 310-322292-6 DU
Matrix: Ground Water
Analysis Batch: 476514

Client Sample ID: MW-DC
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	348		348.0		mg/L		0	35

Method: SM 5310C - TOC

Lab Sample ID: MB 310-476576/11
Matrix: Water
Analysis Batch: 476576

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			12/15/25 13:55	1

Lab Sample ID: LCS 310-476576/12
Matrix: Water
Analysis Batch: 476576

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	10.35		mg/L		104	85 - 115

Lab Sample ID: MB 310-477209/11
Matrix: Water
Analysis Batch: 477209

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			12/22/25 13:59	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Method: SM 5310C - TOC (Continued)

Lab Sample ID: LCS 310-477209/12				Client Sample ID: Lab Control Sample			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 477209							
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	9.99	10.81		mg/L		108	85 - 115

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

GC/MS VOA

Analysis Batch: 476463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322292-3	MW-27	Total/NA	Ground Water	8260D	
310-322292-4	OP-17	Total/NA	Ground Water	8260D	
310-322292-5	Trip Blank	Total/NA	Water	8260D	
310-322292-6	MW-DC	Total/NA	Ground Water	8260D	
MB 310-476463/5	Method Blank	Total/NA	Water	8260D	
LCS 310-476463/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-476463/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 476683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322292-3	MW-27	Total/NA	Ground Water	8260D	
310-322292-4	OP-17	Total/NA	Ground Water	8260D	
310-322292-5	Trip Blank	Total/NA	Water	8260D	
310-322292-6	MW-DC	Total/NA	Ground Water	8260D	
MB 310-476683/5	Method Blank	Total/NA	Water	8260D	
LCS 310-476683/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-476683/7	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 476451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322292-3	MW-27	Total/NA	Ground Water	9056A	
310-322292-3	MW-27	Total/NA	Ground Water	9056A	
310-322292-4	OP-17	Total/NA	Ground Water	9056A	
310-322292-4	OP-17	Total/NA	Ground Water	9056A	
MB 310-476451/3	Method Blank	Total/NA	Water	9056A	
LCS 310-476451/4	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 476343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322292-3	MW-27	Total/NA	Ground Water	3005A	
310-322292-4	OP-17	Total/NA	Ground Water	3005A	
310-322292-6	MW-DC	Total/NA	Ground Water	3005A	
MB 310-476343/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-476343/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 476653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322292-3	MW-27	Total/NA	Ground Water	6020B	476343
310-322292-4	OP-17	Total/NA	Ground Water	6020B	476343
310-322292-6	MW-DC	Total/NA	Ground Water	6020B	476343
MB 310-476343/1-A	Method Blank	Total/NA	Water	6020B	476343
LCS 310-476343/2-A	Lab Control Sample	Total/NA	Water	6020B	476343

Analysis Batch: 476762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322292-3	MW-27	Total/NA	Ground Water	6020B	476343
310-322292-4	OP-17	Total/NA	Ground Water	6020B	476343

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

General Chemistry

Analysis Batch: 476514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322292-3	MW-27	Total/NA	Ground Water	I-3765-85	
310-322292-4	OP-17	Total/NA	Ground Water	I-3765-85	
310-322292-6	MW-DC	Total/NA	Ground Water	I-3765-85	
MB 310-476514/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-476514/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-322292-6 DU	MW-DC	Total/NA	Ground Water	I-3765-85	

Analysis Batch: 476576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322292-3	MW-27	Total/NA	Ground Water	SM 5310C	
MB 310-476576/11	Method Blank	Total/NA	Water	SM 5310C	
LCS 310-476576/12	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 476760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322292-3	MW-27	Total/NA	Ground Water	350.1	
310-322292-4	OP-17	Total/NA	Ground Water	350.1	
MB 310-476760/16	Method Blank	Total/NA	Water	350.1	
MB 310-476760/48	Method Blank	Total/NA	Water	350.1	
MB 310-476760/84	Method Blank	Total/NA	Water	350.1	
LCS 310-476760/14	Lab Control Sample	Total/NA	Water	350.1	
LCS 310-476760/49	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 477011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322292-3	MW-27	Total/NA	Ground Water	SM 2320B	
310-322292-4	OP-17	Total/NA	Ground Water	SM 2320B	
LCS 310-477011/2	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 477209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322292-4	OP-17	Total/NA	Ground Water	SM 5310C	
MB 310-477209/11	Method Blank	Total/NA	Water	SM 5310C	
LCS 310-477209/12	Lab Control Sample	Total/NA	Water	SM 5310C	

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Client Sample ID: MW-27

Date Collected: 12/10/25 12:38

Date Received: 12/12/25 08:25

Lab Sample ID: 310-322292-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476463	WSE8	EET CF	12/15/25 13:21
Total/NA	Analysis	8260D		1	476683	WSE8	EET CF	12/17/25 15:15
Total/NA	Analysis	9056A		1	476451	HE7K	EET CF	12/12/25 10:37
Total/NA	Analysis	9056A		10	476451	HE7K	EET CF	12/12/25 18:20
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		1	476653	NFT2	EET CF	12/16/25 15:16
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		4	476762	NFT2	EET CF	12/17/25 14:38
Total/NA	Analysis	350.1		1	476760	ENB7	EET CF	12/17/25 20:24
Total/NA	Analysis	I-3765-85		1	476514	DGU1	EET CF	12/16/25 05:29
Total/NA	Analysis	SM 2320B		1	477011	WZC8	EET CF	12/19/25 17:04
Total/NA	Analysis	SM 5310C		1	476576	HE7K	EET CF	12/16/25 05:33

Client Sample ID: OP-17

Date Collected: 12/10/25 11:19

Date Received: 12/12/25 08:25

Lab Sample ID: 310-322292-4

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476463	WSE8	EET CF	12/15/25 13:43
Total/NA	Analysis	8260D		1	476683	WSE8	EET CF	12/17/25 15:37
Total/NA	Analysis	9056A		1	476451	HE7K	EET CF	12/12/25 10:25
Total/NA	Analysis	9056A		10	476451	HE7K	EET CF	12/12/25 17:45
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		1	476653	NFT2	EET CF	12/16/25 15:19
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		4	476762	NFT2	EET CF	12/17/25 14:41
Total/NA	Analysis	350.1		1	476760	ENB7	EET CF	12/17/25 20:27
Total/NA	Analysis	I-3765-85		1	476514	DGU1	EET CF	12/16/25 05:29
Total/NA	Analysis	SM 2320B		1	477011	WZC8	EET CF	12/19/25 17:28
Total/NA	Analysis	SM 5310C		4	477209	HE7K	EET CF	12/22/25 15:11

Client Sample ID: Trip Blank

Date Collected: 12/10/25 00:00

Date Received: 12/12/25 08:25

Lab Sample ID: 310-322292-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476463	WSE8	EET CF	12/15/25 12:15
Total/NA	Analysis	8260D		1	476683	WSE8	EET CF	12/17/25 12:37

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Client Sample ID: MW-DC

Date Collected: 12/10/25 00:00

Date Received: 12/12/25 08:25

Lab Sample ID: 310-322292-6

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476463	WSE8	EET CF	12/15/25 14:05
Total/NA	Analysis	8260D		1	476683	WSE8	EET CF	12/17/25 16:00
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		1	476653	NFT2	EET CF	12/16/25 15:21
Total/NA	Analysis	I-3765-85		1	476514	DGU1	EET CF	12/16/25 05:29

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: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-1

Laboratory: Eurofins Cedar Falls

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

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

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: SCS Engineers

Job ID: 310-322292-1

Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

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
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

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



Environment Testing
America



310-322292 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCS</u>			
City/State:	CITY	STATE <u>IA</u>	Project
Receipt Information			
Date/Time Received.	DATE <u>12-12-25</u>	TIME <u>0825</u>	Received By <u>R</u>
Delivery Type: ☒ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other.			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID:
Multiple Coolers?		☒ Yes ☒ No	If yes: Cooler # <u>1</u> of <u>2</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☒ Yes ☐ No	If yes: Which VOA samples are in cooler? ↓
<u>All Broken trips</u> <u>27, 44, 45, DC</u>			
Temperature Record			
Coolant. ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other. ☐ NONE			
Thermometer ID: <u>CE</u>		Correction Factor (°C): <u>+0.0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.3</u>		Corrected Temp (°C): <u>0.3</u>	
• Sample Container Temperature			
Container(s) used	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCC</u>			
City/State:	CITY	STATE	Project
Receipt Information			
Date/Time Received:	DATE <u>12-12-25</u>	TIME <u>0825</u>	Received By: <u>[Signature]</u>
Delivery Type: ☒ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes Cooler ID. _____			
Multiple Coolers? ☒ Yes ☐ No If yes: Cooler # _____ of _____			
Cooler Custody Seals Present? ☐ Yes ☒ No If yes: Cooler custody seals intact? ☐ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☒ Yes ☐ No If yes. Which VOA samples are in cooler? ↓			
<u>OP-17, MW-39, MW-35</u>			
Temperature Record			
Coolant. ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>CC</u>		Correction Factor (°C): <u>+0.0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.2</u>		Corrected Temp (°C): <u>0.2</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1		CONTAINER 2
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-322292-1

Login Number: 322292

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Hirsch, Preston

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

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 Cedar Falls

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/15/2025 1:53:09 PM

JOB DESCRIPTION

SCL 2nd 2025 HMSP, Geochemistry & NA

JOB NUMBER

310-322292-2

Eurofins Cedar Falls

Job Notes

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

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

Authorization



Generated
12/15/2025 1:53:09 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	9
QC Sample Results	10
QC Association	11
Chronicle	12
Certification Summary	13
Method Summary	14
Chain of Custody	15
Receipt Checklists	18



Case Narrative

Client: SCS Engineers
Project: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-2

Job ID: 310-322292-2

Eurofins Cedar Falls

Job Narrative 310-322292-2

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 12/12/2025 8:25 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 0.2°C and 0.3°C.

HPLC/IC

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

Eurofins Cedar Falls

Sample Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-322292-3	MW-27	Ground Water	12/10/25 12:38	12/12/25 08:25	Iowa
310-322292-4	OP-17	Ground Water	12/10/25 11:19	12/12/25 08:25	Iowa

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Detection Summary

Client: SCS Engineers

Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-2

Client Sample ID: MW-27

Lab Sample ID: 310-322292-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	2.65		0.200	0.0780	mg/L	1		9056A	Total/NA

Client Sample ID: OP-17

Lab Sample ID: 310-322292-4

No Detections.

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-2

Client Sample ID: MW-27
Date Collected: 12/10/25 12:38
Date Received: 12/12/25 08:25

Lab Sample ID: 310-322292-3
Matrix: Ground Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	2.65		0.200	0.0780	mg/L			12/12/25 10:37	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-2

Client Sample ID: OP-17
Date Collected: 12/10/25 11:19
Date Received: 12/12/25 08:25

Lab Sample ID: 310-322292-4
Matrix: Ground Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.200		0.200	0.0780	mg/L			12/12/25 10:25	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Definitions/Glossary

Client: SCS Engineers

Job ID: 310-322292-2

Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

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: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-2

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-476451/3

Matrix: Water

Analysis Batch: 476451

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			12/12/25 09:04	1

Lab Sample ID: LCS 310-476451/4

Matrix: Water

Analysis Batch: 476451

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	1.921		mg/L		96	90 - 110

QC Association Summary

Client: SCS Engineers

Job ID: 310-322292-2

Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

HPLC/IC

Analysis Batch: 476451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322292-3	MW-27	Total/NA	Ground Water	9056A	
310-322292-4	OP-17	Total/NA	Ground Water	9056A	
MB 310-476451/3	Method Blank	Total/NA	Water	9056A	
LCS 310-476451/4	Lab Control Sample	Total/NA	Water	9056A	

Lab Chronicle

Client: SCS Engineers

Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-2

Client Sample ID: MW-27

Date Collected: 12/10/25 12:38

Date Received: 12/12/25 08:25

Lab Sample ID: 310-322292-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	476451	HE7K	EET CF	12/12/25 10:37

Client Sample ID: OP-17

Date Collected: 12/10/25 11:19

Date Received: 12/12/25 08:25

Lab Sample ID: 310-322292-4

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	476451	HE7K	EET CF	12/12/25 10:25

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: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-2

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
Project/Site: SCL 2nd 2025 HMSP, Geochemistry & NA

Job ID: 310-322292-2

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



Environment Testing
America



310-322292 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCS</u>			
City/State:	CITY	STATE <u>IA</u>	Project
Receipt Information			
Date/Time Received.	DATE <u>12-12-25</u>	TIME <u>0825</u>	Received By <u>R</u>
Delivery Type: ☒ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other.			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID:
Multiple Coolers?		☒ Yes ☒ No	If yes: Cooler # <u>1</u> of <u>2</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☒ Yes ☐ No	If yes: Which VOA samples are in cooler? ↓
<u>All Broken trips</u> <u>27, 44, 45, DC</u>			
Temperature Record			
Coolant. ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other. ☐ NONE			
Thermometer ID: <u>CE</u>		Correction Factor (°C): <u>+0.0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.3</u>		Corrected Temp (°C): <u>0.3</u>	
• Sample Container Temperature			
Container(s) used	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



Environment Testing
America

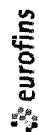
Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCC</u>			
City/State:	CITY	STATE	Project
Receipt Information			
Date/Time Received:	DATE <u>12-12-25</u>	TIME <u>0825</u>	Received By: <u>[Signature]</u>
Delivery Type: ☒ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes Cooler ID. _____			
Multiple Coolers? ☒ Yes ☐ No If yes: Cooler # _____ of _____			
Cooler Custody Seals Present? ☐ Yes ☒ No If yes: Cooler custody seals intact? ☐ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☒ Yes ☐ No If yes. Which VOA samples are in cooler? ↓ <u>OP-17, MW-39, MW-35</u>			
Temperature Record			
Coolant. ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>CC</u>		Correction Factor (°C): <u>+0.0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.2</u>		Corrected Temp (°C): <u>0.2</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1		CONTAINER 2
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

Eurofins TestAmerica, Cedar Falls
3019 Venture WayCedar Falls IA 50613-6907
phone 319 277 2401 fax 319.277 2425

Chain of Custody Record

C. D. P. Testing
Est. 1986, Inc.

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

Regulatory Program: ☐ DW ☐ NPDES ☒ RCRA ☐ Other:

Client Contact		Project Manager: Nathan Ohrt Email: nohrt@scsengineers.com Cell 319-331-9613		Site Contact: Brian Seals Lab Contact: Sam Miller		Date:		COC No			
Nathan Ohrt		SCS Engineers		1690 All State Court, Suite 100 West Des Moines, IA 50265		Project Name: SCL 2nd 2025 HMSP Geochemistry & NA Site: Scott County Landfill P O # 27225277 26		Sampler: For Lab Use Only Walk-in Client Lab Sampling Job / SDG No			
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix		# of Cont.	
MW-32							G		GW		
MW-17							G		GW		
MW-19							G		GW		
MW-27		12-10	1234				G		GW		
OP-17		12-10	1114				G		GW		
OP-18		-	-				G		GW		
MW-DC							G		GW		
Trip Blank											
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other											
Possible Hazard Identification Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.											
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown											
Special Instructions/QC Requirements & Comments: Reduced Metals List: arsenic, barium, beryllium, cadmium, cobalt, copper, lead, nickel, vanadium, and zinc.											
Relinquished by: Garrett Hyatt		Company: SCS		Date/Time: 12-11-15 10:01		Received by: Michelle Spiegler		Company: Eurofins		Date/Time: 12-11-15 15:03	
Relinquished by: Michelle Spiegler		Company: Eurofins		Date/Time: 12-11-15 15:00		Received in Laboratory by: [Signature]		Company:		Date/Time: 12-11-15 08:25	

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

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-322292-2

Login Number: 322292

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Hirsch, Preston

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

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 Cedar Falls

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/29/2025 11:58:15 PM

JOB DESCRIPTION

SCL 2nd 2025 Bracketing & Geochemistry
Scott County Landfill

JOB NUMBER

310-322293-1

Eurofins Cedar Falls

Job Notes

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

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

Authorization



Generated
12/29/2025 11:58:15 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	9
Definitions	19
Surrogate Summary	20
QC Sample Results	21
QC Association	33
Chronicle	35
Certification Summary	37
Method Summary	38
Chain of Custody	39
Receipt Checklists	42



Case Narrative

Client: SCS Engineers
Project: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1

Job ID: 310-322293-1

Eurofins Cedar Falls

Job Narrative 310-322293-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/12/2025 8:25 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 0.2°C and 0.3°C.

GC/MS VOA

Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container: Trip Blank (310-322293-6).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-476683 recovered above the upper control limit for Carbon tetrachloride (31%D), 1,1,2-Trichloroethane (21%D), and 1,1,1-Trichloroethane (22%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 310-476683/3).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-477201 recovered outside of the control limits for Bromomethane (-31%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is impacted: (CCV 310-477201/4).

Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container: Trip Blank (310-322293-6).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-476463 recovered outside of the control limits for Acetone (-24%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is impacted: (CCV 310-476463/3).

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

HPLC/IC

Method 9056A_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: MW-18R (310-322293-1) and MW-35 (310-322293-2). Elevated reporting limits (RLs) are provided.

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

Metals

Method 6020B: The reference method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of >2: MW-45 (310-322293-5). The sample(s) was preserved to the appropriate pH in the laboratory.

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

General Chemistry

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

Eurofins Cedar Falls

Case Narrative

Client: SCS Engineers
Project: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1

Job ID: 310-322293-1 (Continued)

Eurofins Cedar Falls

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Sample Summary

Client: SCS Engineers

Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1

SDG: Scott County Landfill

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-322293-1	MW-18R	Ground Water	12/09/25 11:40	12/12/25 08:25	Iowa
310-322293-2	MW-35	Ground Water	12/09/25 12:36	12/12/25 08:25	Iowa
310-322293-3	MW-39	Ground Water	12/09/25 15:10	12/12/25 08:25	Iowa
310-322293-4	MW-44	Ground Water	12/10/25 14:35	12/12/25 08:25	Iowa
310-322293-5	MW-45	Ground Water	12/10/25 13:55	12/12/25 08:25	Iowa
310-322293-6	Trip Blank	Water	12/10/25 00:00	12/12/25 08:25	Iowa

Detection Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

Client Sample ID: MW-18R

Lab Sample ID: 310-322293-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloride	3.64	J	5.00	2.25	mg/L	5			9056A	Total/NA
Arsenic	0.00183	J	0.00200	0.000530	mg/L	1			6020B	Total/NA
Calcium	92.7		0.500	0.190	mg/L	1			6020B	Total/NA
Cobalt	0.000579		0.000500	0.000170	mg/L	1			6020B	Total/NA
Magnesium	38.6		0.500	0.150	mg/L	1			6020B	Total/NA
Potassium	4.32		0.500	0.170	mg/L	1			6020B	Total/NA
Sodium	21.6		1.00	0.650	mg/L	1			6020B	Total/NA
Total Suspended Solids	17.1		1.88	1.31	mg/L	1			I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	483		5.00	2.50	mg/L	1			SM 2320B	Total/NA

Client Sample ID: MW-35

Lab Sample ID: 310-322293-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloride	26.4		5.00	2.25	mg/L	5			9056A	Total/NA
Arsenic	0.0377		0.00200	0.000530	mg/L	1			6020B	Total/NA
Calcium	210		0.500	0.190	mg/L	1			6020B	Total/NA
Cobalt	0.00345		0.000500	0.000170	mg/L	1			6020B	Total/NA
Magnesium	65.9		0.500	0.150	mg/L	1			6020B	Total/NA
Potassium	4.32		0.500	0.170	mg/L	1			6020B	Total/NA
Sodium	33.3		1.00	0.650	mg/L	1			6020B	Total/NA
Total Suspended Solids	102		30.0	21.0	mg/L	1			I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	893		5.00	2.50	mg/L	1			SM 2320B	Total/NA

Client Sample ID: MW-39

Lab Sample ID: 310-322293-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chlorobenzene	0.350	J	1.00	0.350	ug/L	1			8260D	Total/NA
Chloride	329		10.0	4.50	mg/L	10			9056A	Total/NA
Sulfate	629		10.0	4.20	mg/L	10			9056A	Total/NA
Arsenic	0.00408		0.00200	0.000530	mg/L	1			6020B	Total/NA
Calcium	334		0.500	0.190	mg/L	1			6020B	Total/NA
Cobalt	0.0188		0.000500	0.000170	mg/L	1			6020B	Total/NA
Magnesium	136		2.00	0.600	mg/L	4			6020B	Total/NA
Potassium	0.558		0.500	0.170	mg/L	1			6020B	Total/NA
Sodium	189		1.00	0.650	mg/L	1			6020B	Total/NA
Total Suspended Solids	14.4		1.88	1.31	mg/L	1			I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	701		5.00	2.50	mg/L	1			SM 2320B	Total/NA

Client Sample ID: MW-44

Lab Sample ID: 310-322293-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	0.309	J	0.500	0.220	ug/L	1			8260D	Total/NA
Chlorobenzene	7.62		1.00	0.350	ug/L	1			8260D	Total/NA
cis-1,2-Dichloroethene	4.49		1.00	0.550	ug/L	1			8260D	Total/NA
Chloride	21.0		10.0	4.50	mg/L	10			9056A	Total/NA
Sulfate	185		10.0	4.20	mg/L	10			9056A	Total/NA
Calcium	195		0.500	0.190	mg/L	1			6020B	Total/NA
Cobalt	0.0118		0.000500	0.000170	mg/L	1			6020B	Total/NA
Magnesium	89.1		0.500	0.150	mg/L	1			6020B	Total/NA
Potassium	0.243	J	0.500	0.170	mg/L	1			6020B	Total/NA
Sodium	19.7		1.00	0.650	mg/L	1			6020B	Total/NA
Total Suspended Solids	12.3		5.00	3.50	mg/L	1			I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: SCS Engineers

Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1

SDG: Scott County Landfill

Client Sample ID: MW-44 (Continued)

Lab Sample ID: 310-322293-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bicarbonate Alkalinity as CaCO3	717		5.00	2.50	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-45

Lab Sample ID: 310-322293-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	275		10.0	4.50	mg/L	10		9056A	Total/NA
Sulfate	452		10.0	4.20	mg/L	10		9056A	Total/NA
Arsenic	0.00172	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Calcium	189		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.0103		0.000500	0.000170	mg/L	1		6020B	Total/NA
Magnesium	67.9		0.500	0.150	mg/L	1		6020B	Total/NA
Potassium	0.245	J	0.500	0.170	mg/L	1		6020B	Total/NA
Sodium	438		1.00	0.650	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.50		1.88	1.31	mg/L	1		I-3765-85	Total/NA
Bicarbonate Alkalinity as CaCO3	877		5.00	2.50	mg/L	1		SM 2320B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 310-322293-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

Client Sample ID: MW-18R

Lab Sample ID: 310-322293-1

Date Collected: 12/09/25 11:40

Matrix: Ground Water

Date Received: 12/12/25 08:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.64	J	5.00	2.25	mg/L			12/15/25 12:00	5
Sulfate	<5.00		5.00	2.10	mg/L			12/15/25 12:00	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00183	J	0.00200	0.000530	mg/L		12/15/25 08:45	12/16/25 15:06	1
Calcium	92.7		0.500	0.190	mg/L		12/15/25 08:45	12/16/25 15:06	1
Cobalt	0.000579		0.000500	0.000170	mg/L		12/15/25 08:45	12/16/25 15:06	1
Magnesium	38.6		0.500	0.150	mg/L		12/15/25 08:45	12/16/25 15:06	1
Potassium	4.32		0.500	0.170	mg/L		12/15/25 08:45	12/16/25 15:06	1
Sodium	21.6		1.00	0.650	mg/L		12/15/25 08:45	12/16/25 15:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	17.1		1.88	1.31	mg/L			12/12/25 11:16	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	483		5.00	2.50	mg/L			12/19/25 17:46	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			12/19/25 17:46	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

Client Sample ID: MW-35

Lab Sample ID: 310-322293-2

Date Collected: 12/09/25 12:36

Matrix: Ground Water

Date Received: 12/12/25 08:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.4		5.00	2.25	mg/L			12/15/25 12:34	5
Sulfate	<5.00		5.00	2.10	mg/L			12/15/25 12:34	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0377		0.00200	0.000530	mg/L		12/15/25 08:45	12/16/25 15:24	1
Calcium	210		0.500	0.190	mg/L		12/15/25 08:45	12/16/25 15:24	1
Cobalt	0.00345		0.000500	0.000170	mg/L		12/15/25 08:45	12/16/25 15:24	1
Magnesium	65.9		0.500	0.150	mg/L		12/15/25 08:45	12/16/25 15:24	1
Potassium	4.32		0.500	0.170	mg/L		12/15/25 08:45	12/16/25 15:24	1
Sodium	33.3		1.00	0.650	mg/L		12/15/25 08:45	12/16/25 15:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	102		30.0	21.0	mg/L			12/12/25 11:16	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	893		5.00	2.50	mg/L			12/19/25 17:57	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			12/19/25 17:57	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

Client Sample ID: MW-39

Lab Sample ID: 310-322293-3

Date Collected: 12/09/25 15:10

Matrix: Ground Water

Date Received: 12/12/25 08:25

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			12/15/25 14:27	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/15/25 14:27	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/15/25 14:27	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/15/25 14:27	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/15/25 14:27	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/23/25 11:58	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/15/25 14:27	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/15/25 14:27	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/15/25 14:27	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/15/25 14:27	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/15/25 14:27	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/15/25 14:27	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/15/25 14:27	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/15/25 14:27	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/15/25 14:27	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/15/25 14:27	1
Acetone	<10.0		10.0	3.80	ug/L			12/15/25 14:27	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/15/25 14:27	1
Benzene	<0.500		0.500	0.220	ug/L			12/15/25 14:27	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/15/25 14:27	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/15/25 14:27	1
Bromoform	<5.00		5.00	2.60	ug/L			12/15/25 14:27	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/23/25 11:58	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/15/25 14:27	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/15/25 14:27	1
Chlorobenzene	0.350 J		1.00	0.350	ug/L			12/23/25 11:58	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/15/25 14:27	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/15/25 14:27	1
Chloroform	<3.00		3.00	1.30	ug/L			12/15/25 14:27	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/15/25 14:27	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/15/25 14:27	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/15/25 14:27	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/15/25 14:27	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/15/25 14:27	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/15/25 14:27	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/15/25 14:27	1
Styrene	<1.00		1.00	0.370	ug/L			12/15/25 14:27	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/15/25 14:27	1
Toluene	<1.00		1.00	0.430	ug/L			12/15/25 14:27	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/15/25 14:27	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/15/25 14:27	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/15/25 14:27	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/15/25 14:27	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/15/25 14:27	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/15/25 14:27	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/15/25 14:27	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/15/25 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98		76 - 130		12/15/25 14:27	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

Client Sample ID: MW-39

Lab Sample ID: 310-322293-3

Date Collected: 12/09/25 15:10

Matrix: Ground Water

Date Received: 12/12/25 08:25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		76 - 130		12/23/25 11:58	1
Toluene-d8 (Surr)	98		80 - 120		12/15/25 14:27	1
Toluene-d8 (Surr)	96		80 - 120		12/23/25 11:58	1
4-Bromofluorobenzene (Surr)	102		80 - 120		12/15/25 14:27	1
4-Bromofluorobenzene (Surr)	100		80 - 120		12/23/25 11:58	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	329		10.0	4.50	mg/L			12/15/25 12:46	10
Sulfate	629		10.0	4.20	mg/L			12/15/25 12:46	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00408		0.00200	0.000530	mg/L		12/15/25 08:45	12/16/25 15:26	1
Calcium	334		0.500	0.190	mg/L		12/15/25 08:45	12/16/25 15:26	1
Cobalt	0.0188		0.000500	0.000170	mg/L		12/15/25 08:45	12/16/25 15:26	1
Magnesium	136		2.00	0.600	mg/L		12/15/25 08:45	12/17/25 14:43	4
Potassium	0.558		0.500	0.170	mg/L		12/15/25 08:45	12/16/25 15:26	1
Sodium	189		1.00	0.650	mg/L		12/15/25 08:45	12/16/25 15:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	14.4		1.88	1.31	mg/L			12/12/25 11:16	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	701		5.00	2.50	mg/L			12/19/25 18:26	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			12/19/25 18:26	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

Client Sample ID: MW-44

Lab Sample ID: 310-322293-4

Date Collected: 12/10/25 14:35

Matrix: Ground Water

Date Received: 12/12/25 08:25

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			12/15/25 14:49	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/15/25 14:49	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/15/25 14:49	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/15/25 14:49	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/15/25 14:49	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/17/25 16:22	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/15/25 14:49	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/15/25 14:49	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/15/25 14:49	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/15/25 14:49	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/15/25 14:49	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/15/25 14:49	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/15/25 14:49	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/15/25 14:49	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/15/25 14:49	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/15/25 14:49	1
Acetone	<10.0		10.0	3.80	ug/L			12/17/25 16:22	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/15/25 14:49	1
Benzene	0.309	J	0.500	0.220	ug/L			12/15/25 14:49	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/15/25 14:49	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/15/25 14:49	1
Bromoform	<5.00		5.00	2.60	ug/L			12/15/25 14:49	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/17/25 16:22	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/15/25 14:49	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/15/25 14:49	1
Chlorobenzene	7.62		1.00	0.350	ug/L			12/15/25 14:49	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/15/25 14:49	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/15/25 14:49	1
Chloroform	<3.00		3.00	1.30	ug/L			12/15/25 14:49	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/15/25 14:49	1
cis-1,2-Dichloroethene	4.49		1.00	0.550	ug/L			12/15/25 14:49	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/15/25 14:49	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/15/25 14:49	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/15/25 14:49	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/15/25 14:49	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/15/25 14:49	1
Styrene	<1.00		1.00	0.370	ug/L			12/15/25 14:49	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/15/25 14:49	1
Toluene	<1.00		1.00	0.430	ug/L			12/15/25 14:49	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/15/25 14:49	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/15/25 14:49	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/15/25 14:49	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/15/25 14:49	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/15/25 14:49	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/15/25 14:49	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/15/25 14:49	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/15/25 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		76 - 130		12/15/25 14:49	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

Client Sample ID: MW-44

Lab Sample ID: 310-322293-4

Date Collected: 12/10/25 14:35

Matrix: Ground Water

Date Received: 12/12/25 08:25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		76 - 130		12/17/25 16:22	1
Toluene-d8 (Surr)	96		80 - 120		12/15/25 14:49	1
Toluene-d8 (Surr)	92		80 - 120		12/17/25 16:22	1
4-Bromofluorobenzene (Surr)	103		80 - 120		12/15/25 14:49	1
4-Bromofluorobenzene (Surr)	104		80 - 120		12/17/25 16:22	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.0		10.0	4.50	mg/L			12/15/25 12:58	10
Sulfate	185		10.0	4.20	mg/L			12/15/25 12:58	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	195		0.500	0.190	mg/L		12/15/25 08:45	12/16/25 15:34	1
Cobalt	0.0118		0.000500	0.000170	mg/L		12/15/25 08:45	12/16/25 15:34	1
Magnesium	89.1		0.500	0.150	mg/L		12/15/25 08:45	12/16/25 15:34	1
Potassium	0.243 J		0.500	0.170	mg/L		12/15/25 08:45	12/16/25 15:34	1
Sodium	19.7		1.00	0.650	mg/L		12/15/25 08:45	12/16/25 15:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	12.3		5.00	3.50	mg/L			12/16/25 05:29	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	717		5.00	2.50	mg/L			12/19/25 18:40	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			12/19/25 18:40	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

Client Sample ID: MW-45

Lab Sample ID: 310-322293-5

Date Collected: 12/10/25 13:55

Matrix: Ground Water

Date Received: 12/12/25 08:25

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			12/15/25 15:11	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/15/25 15:11	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/15/25 15:11	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/15/25 15:11	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/15/25 15:11	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/17/25 14:30	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/15/25 15:11	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/15/25 15:11	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/15/25 15:11	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/15/25 15:11	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/15/25 15:11	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/15/25 15:11	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/15/25 15:11	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/15/25 15:11	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/15/25 15:11	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/15/25 15:11	1
Acetone	<10.0		10.0	3.80	ug/L			12/17/25 14:30	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/15/25 15:11	1
Benzene	<0.500		0.500	0.220	ug/L			12/15/25 15:11	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/15/25 15:11	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/15/25 15:11	1
Bromoform	<5.00		5.00	2.60	ug/L			12/15/25 15:11	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/17/25 14:30	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/15/25 15:11	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/15/25 15:11	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/15/25 15:11	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/15/25 15:11	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/15/25 15:11	1
Chloroform	<3.00		3.00	1.30	ug/L			12/15/25 15:11	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/15/25 15:11	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/15/25 15:11	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/15/25 15:11	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/15/25 15:11	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/15/25 15:11	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/15/25 15:11	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/15/25 15:11	1
Styrene	<1.00		1.00	0.370	ug/L			12/15/25 15:11	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/15/25 15:11	1
Toluene	<1.00		1.00	0.430	ug/L			12/15/25 15:11	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/15/25 15:11	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/15/25 15:11	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/15/25 15:11	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/15/25 15:11	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/15/25 15:11	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/15/25 15:11	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/15/25 15:11	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/15/25 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	99		76 - 130		12/15/25 15:11	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

Client Sample ID: MW-45

Lab Sample ID: 310-322293-5

Date Collected: 12/10/25 13:55

Matrix: Ground Water

Date Received: 12/12/25 08:25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		76 - 130		12/17/25 14:30	1
Toluene-d8 (Surr)	97		80 - 120		12/15/25 15:11	1
Toluene-d8 (Surr)	90		80 - 120		12/17/25 14:30	1
4-Bromofluorobenzene (Surr)	100		80 - 120		12/15/25 15:11	1
4-Bromofluorobenzene (Surr)	103		80 - 120		12/17/25 14:30	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	275		10.0	4.50	mg/L			12/15/25 13:09	10
Sulfate	452		10.0	4.20	mg/L			12/15/25 13:09	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00172	J	0.00200	0.000530	mg/L		12/15/25 08:45	12/16/25 15:37	1
Calcium	189		0.500	0.190	mg/L		12/15/25 08:45	12/16/25 15:37	1
Cobalt	0.0103		0.000500	0.000170	mg/L		12/15/25 08:45	12/16/25 15:37	1
Magnesium	67.9		0.500	0.150	mg/L		12/15/25 08:45	12/16/25 15:37	1
Potassium	0.245	J	0.500	0.170	mg/L		12/15/25 08:45	12/16/25 15:37	1
Sodium	438		1.00	0.650	mg/L		12/15/25 08:45	12/16/25 15:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	2.50		1.88	1.31	mg/L			12/16/25 05:29	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	877		5.00	2.50	mg/L			12/19/25 18:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.00		5.00	2.50	mg/L			12/19/25 18:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

Client Sample ID: Trip Blank

Lab Sample ID: 310-322293-6

Date Collected: 12/10/25 00:00

Matrix: Water

Date Received: 12/12/25 08:25

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			12/15/25 12:37	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/15/25 12:37	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/15/25 12:37	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/15/25 12:37	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/15/25 12:37	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/17/25 12:59	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/15/25 12:37	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/15/25 12:37	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/15/25 12:37	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/15/25 12:37	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/15/25 12:37	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/15/25 12:37	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/15/25 12:37	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/15/25 12:37	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/15/25 12:37	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/15/25 12:37	1
Acetone	<10.0		10.0	3.80	ug/L			12/17/25 12:59	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/15/25 12:37	1
Benzene	<0.500		0.500	0.220	ug/L			12/15/25 12:37	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/15/25 12:37	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/15/25 12:37	1
Bromoform	<5.00		5.00	2.60	ug/L			12/15/25 12:37	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/17/25 12:59	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/15/25 12:37	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/15/25 12:37	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/15/25 12:37	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/15/25 12:37	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/15/25 12:37	1
Chloroform	<3.00		3.00	1.30	ug/L			12/15/25 12:37	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/15/25 12:37	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/15/25 12:37	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/15/25 12:37	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/15/25 12:37	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/15/25 12:37	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/15/25 12:37	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/15/25 12:37	1
Styrene	<1.00		1.00	0.370	ug/L			12/15/25 12:37	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/15/25 12:37	1
Toluene	<1.00		1.00	0.430	ug/L			12/15/25 12:37	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/15/25 12:37	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/15/25 12:37	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/15/25 12:37	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/15/25 12:37	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/15/25 12:37	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/15/25 12:37	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/15/25 12:37	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/15/25 12:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	99		76 - 130		12/15/25 12:37	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

Client Sample ID: Trip Blank

Lab Sample ID: 310-322293-6

Date Collected: 12/10/25 00:00

Matrix: Water

Date Received: 12/12/25 08:25

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

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Dibromofluoromethane (Surr)</i>	107		76 - 130		12/17/25 12:59	1
<i>Toluene-d8 (Surr)</i>	97		80 - 120		12/15/25 12:37	1
<i>Toluene-d8 (Surr)</i>	95		80 - 120		12/17/25 12:59	1
<i>4-Bromofluorobenzene (Surr)</i>	101		80 - 120		12/15/25 12:37	1
<i>4-Bromofluorobenzene (Surr)</i>	104		80 - 120		12/17/25 12:59	1

Definitions/Glossary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

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
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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

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

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-322293-3	MW-39	98	98	102
310-322293-3	MW-39	104	96	100
310-322293-3 MS	MW-39	100	100	99
310-322293-3 MSD	MW-39	99	98	97
310-322293-4	MW-44	101	96	103
310-322293-4	MW-44	110	92	104
310-322293-5	MW-45	99	97	100
310-322293-5	MW-45	106	90	103

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-322293-6	Trip Blank	99	97	101
310-322293-6	Trip Blank	107	95	104
LCS 310-476463/6	Lab Control Sample	101	98	101
LCS 310-476463/7	Lab Control Sample	102	100	102
LCS 310-476683/6	Lab Control Sample	103	99	102
LCS 310-476683/7	Lab Control Sample	97	94	104
LCS 310-477201/7	Lab Control Sample	97	99	101
LCS 310-477201/8	Lab Control Sample	100	97	98
MB 310-476463/5	Method Blank	98	100	104
MB 310-476683/5	Method Blank	101	93	102
MB 310-477201/6	Method Blank	101	96	103

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

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

Lab Sample ID: MB 310-476463/5

Matrix: Water

Analysis Batch: 476463

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			12/15/25 10:47	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/15/25 10:47	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/15/25 10:47	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/15/25 10:47	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/15/25 10:47	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/15/25 10:47	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/15/25 10:47	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/15/25 10:47	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/15/25 10:47	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/15/25 10:47	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/15/25 10:47	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/15/25 10:47	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/15/25 10:47	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/15/25 10:47	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/15/25 10:47	1
Acetone	<10.0		10.0	3.80	ug/L			12/15/25 10:47	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/15/25 10:47	1
Benzene	<0.500		0.500	0.220	ug/L			12/15/25 10:47	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/15/25 10:47	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/15/25 10:47	1
Bromoform	<5.00		5.00	2.60	ug/L			12/15/25 10:47	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/15/25 10:47	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/15/25 10:47	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/15/25 10:47	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/15/25 10:47	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/15/25 10:47	1
Chloroform	<3.00		3.00	1.30	ug/L			12/15/25 10:47	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/15/25 10:47	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/15/25 10:47	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/15/25 10:47	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/15/25 10:47	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/15/25 10:47	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/15/25 10:47	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/15/25 10:47	1
Styrene	<1.00		1.00	0.370	ug/L			12/15/25 10:47	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/15/25 10:47	1
Toluene	<1.00		1.00	0.430	ug/L			12/15/25 10:47	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/15/25 10:47	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/15/25 10:47	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/15/25 10:47	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/15/25 10:47	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/15/25 10:47	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/15/25 10:47	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/15/25 10:47	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/15/25 10:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98		76 - 130		12/15/25 10:47	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

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

Lab Sample ID: MB 310-476463/5

Matrix: Water

Analysis Batch: 476463

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		12/15/25 10:47	1
4-Bromofluorobenzene (Surr)	104		80 - 120		12/15/25 10:47	1

Lab Sample ID: LCS 310-476463/6

Matrix: Water

Analysis Batch: 476463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.94		ug/L		100	70 - 121
1,1,1,1-Trichloroethane	20.0	19.20		ug/L		96	69 - 130
1,1,1,2,2-Tetrachloroethane	20.0	18.78		ug/L		94	70 - 122
1,1,2-Trichloroethane	20.0	17.88		ug/L		89	75 - 121
1,1-Dichloroethane	20.0	17.19		ug/L		86	69 - 127
1,2,3-Trichloropropane	20.0	19.73		ug/L		99	70 - 122
1,2-Dibromo-3-chloropropane	20.0	17.77		ug/L		89	62 - 132
1,2-Dibromoethane (EDB)	20.0	18.57		ug/L		93	74 - 122
1,2-Dichlorobenzene	20.0	18.06		ug/L		90	74 - 120
1,2-Dichloroethane	20.0	18.14		ug/L		91	68 - 125
1,2-Dichloropropane	20.0	17.42		ug/L		87	72 - 128
1,4-Dichlorobenzene	20.0	17.89		ug/L		89	72 - 120
2-Butanone (MEK)	40.0	37.20		ug/L		93	60 - 134
2-Hexanone	40.0	36.06		ug/L		90	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	35.53		ug/L		89	62 - 136
Acetone	40.0	31.66		ug/L		79	59 - 136
Acrylonitrile	200	167.9		ug/L		84	50 - 150
Benzene	20.0	17.87		ug/L		89	71 - 125
Bromochloromethane	20.0	20.03		ug/L		100	69 - 131
Bromodichloromethane	20.0	18.20		ug/L		91	70 - 122
Bromoform	20.0	19.06		ug/L		95	62 - 122
Carbon disulfide	20.0	17.46		ug/L		87	58 - 137
Carbon tetrachloride	20.0	19.08		ug/L		95	63 - 136
Chlorobenzene	20.0	18.58		ug/L		93	74 - 120
Chlorodibromomethane	20.0	18.88		ug/L		94	69 - 121
Chloroform	20.0	17.67		ug/L		88	72 - 122
cis-1,2-Dichloroethene	20.0	18.65		ug/L		93	72 - 123
cis-1,3-Dichloropropene	20.0	17.63		ug/L		88	72 - 123
Dibromomethane	20.0	18.20		ug/L		91	72 - 122
Ethylbenzene	20.0	18.39		ug/L		92	75 - 120
Iodomethane	20.0	13.90		ug/L		69	18 - 150
Methylene chloride	20.0	18.74		ug/L		94	72 - 128
Styrene	20.0	19.14		ug/L		96	74 - 122
Tetrachloroethene	20.0	19.87		ug/L		99	70 - 128
Toluene	20.0	18.02		ug/L		90	74 - 120
trans-1,2-Dichloroethene	20.0	18.37		ug/L		92	67 - 127
trans-1,3-Dichloropropene	20.0	17.86		ug/L		89	67 - 123
trans-1,4-Dichloro-2-butene	20.0	15.79		ug/L		79	50 - 150
Trichloroethene	20.0	18.90		ug/L		94	70 - 128
Vinyl acetate	40.0	39.61		ug/L		99	50 - 150

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

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

Lab Sample ID: LCS 310-476463/6

Matrix: Water

Analysis Batch: 476463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	40.0	37.16		ug/L		93	74 - 121
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Dibromofluoromethane (Surr)	101		76 - 130				
Toluene-d8 (Surr)	98		80 - 120				
4-Bromofluorobenzene (Surr)	101		80 - 120				

Lab Sample ID: LCS 310-476463/7

Matrix: Water

Analysis Batch: 476463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	20.0	17.46		ug/L		87	59 - 139
Chloromethane	20.0	16.92		ug/L		85	52 - 146
Trichlorofluoromethane	20.0	19.58		ug/L		98	55 - 150
Vinyl chloride	20.0	17.62		ug/L		88	60 - 142
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Dibromofluoromethane (Surr)	102		76 - 130				
Toluene-d8 (Surr)	100		80 - 120				
4-Bromofluorobenzene (Surr)	102		80 - 120				

Lab Sample ID: 310-322293-3 MS

Matrix: Ground Water

Analysis Batch: 476463

Client Sample ID: MW-39

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	20.09		ug/L		80	55 - 121
1,1,1,1-Trichloroethane	<1.00		25.0	18.58		ug/L		74	53 - 130
1,1,2,2-Tetrachloroethane	<1.00		25.0	17.04		ug/L		68	55 - 123
1,1,2-Trichloroethane	<1.00		25.0	18.83		ug/L		75	60 - 121
1,1-Dichloroethane	<1.00		25.0	17.59		ug/L		70	53 - 127
1,2,3-Trichloropropane	<1.00		25.0	20.18		ug/L		81	56 - 122
1,2-Dibromo-3-chloropropane	<5.00		25.0	16.52		ug/L		66	44 - 138
1,2-Dibromoethane (EDB)	<1.00		25.0	19.10		ug/L		76	60 - 122
1,2-Dichlorobenzene	<1.00		25.0	18.57		ug/L		74	60 - 120
1,2-Dichloroethane	<1.00		25.0	18.57		ug/L		74	48 - 128
1,2-Dichloropropane	<1.00		25.0	17.57		ug/L		70	59 - 128
1,4-Dichlorobenzene	<1.00		25.0	18.67		ug/L		75	58 - 120
2-Butanone (MEK)	<10.0		50.0	37.96		ug/L		76	46 - 134
2-Hexanone	<10.0		50.0	33.75		ug/L		67	46 - 141
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	35.05		ug/L		70	49 - 138
Acetone	<10.0		50.0	38.02		ug/L		76	39 - 141
Acrylonitrile	<5.00		250	175.5		ug/L		70	41 - 150
Benzene	<0.500		25.0	18.32		ug/L		73	48 - 125
Bromochloromethane	<5.00		25.0	20.50		ug/L		82	55 - 131
Bromodichloromethane	<1.00		25.0	18.27		ug/L		73	53 - 122
Bromoform	<5.00		25.0	18.80		ug/L		75	47 - 122

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

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

Lab Sample ID: 310-322293-3 MS

Matrix: Ground Water

Analysis Batch: 476463

Client Sample ID: MW-39

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	<1.00		25.0	18.75		ug/L		75	45 - 137
Carbon tetrachloride	<2.00		25.0	19.61		ug/L		78	45 - 136
Chlorobenzene	0.399	J	25.0	19.44		ug/L		76	59 - 120
Chlorodibromomethane	<5.00		25.0	18.93		ug/L		76	53 - 121
Chloroform	<3.00		25.0	18.23		ug/L		73	52 - 122
cis-1,2-Dichloroethene	<1.00		25.0	18.66		ug/L		75	51 - 123
cis-1,3-Dichloropropene	<5.00		25.0	17.67		ug/L		71	55 - 123
Dibromomethane	<1.00		25.0	18.90		ug/L		76	57 - 122
Ethylbenzene	<1.00		25.0	18.43		ug/L		74	53 - 120
Iodomethane	<10.0		25.0	13.33		ug/L		53	18 - 150
Methylene chloride	<5.00		25.0	18.66		ug/L		75	59 - 128
Styrene	<1.00		25.0	19.27		ug/L		77	50 - 125
Tetrachloroethene	<1.00		25.0	20.53		ug/L		82	51 - 128
Toluene	<1.00		25.0	18.34		ug/L		73	52 - 120
trans-1,2-Dichloroethene	<1.00		25.0	18.94		ug/L		76	53 - 127
trans-1,3-Dichloropropene	<5.00		25.0	18.17		ug/L		73	50 - 123
trans-1,4-Dichloro-2-butene	<10.0		25.0	15.99		ug/L		64	28 - 150
Trichloroethene	<1.00		25.0	19.52		ug/L		78	50 - 128
Vinyl acetate	<10.0		50.0	34.94		ug/L		70	31 - 150
Xylenes, Total	<3.00		50.0	36.72		ug/L		73	50 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	100		76 - 130
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120

Lab Sample ID: 310-322293-3 MSD

Matrix: Ground Water

Analysis Batch: 476463

Client Sample ID: MW-39

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	18.24		ug/L		73	55 - 121	10	20
1,1,1-Trichloroethane	<1.00		25.0	17.26		ug/L		69	53 - 130	7	20
1,1,2,2-Tetrachloroethane	<1.00		25.0	15.43		ug/L		62	55 - 123	10	20
1,1,2-Trichloroethane	<1.00		25.0	17.19		ug/L		69	60 - 121	9	20
1,1-Dichloroethane	<1.00		25.0	16.04		ug/L		64	53 - 127	9	20
1,2,3-Trichloropropane	<1.00		25.0	19.01		ug/L		76	56 - 122	6	21
1,2-Dibromo-3-chloropropane	<5.00		25.0	16.48		ug/L		66	44 - 138	0	24
1,2-Dibromoethane (EDB)	<1.00		25.0	17.76		ug/L		71	60 - 122	7	20
1,2-Dichlorobenzene	<1.00		25.0	17.07		ug/L		68	60 - 120	8	20
1,2-Dichloroethane	<1.00		25.0	16.62		ug/L		66	48 - 128	11	20
1,2-Dichloropropane	<1.00		25.0	16.28		ug/L		65	59 - 128	8	20
1,4-Dichlorobenzene	<1.00		25.0	17.69		ug/L		71	58 - 120	5	20
2-Butanone (MEK)	<10.0		50.0	33.50		ug/L		67	46 - 134	12	23
2-Hexanone	<10.0		50.0	31.97		ug/L		64	46 - 141	5	20
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	32.85		ug/L		66	49 - 138	6	20
Acetone	<10.0		50.0	32.35		ug/L		65	39 - 141	16	23
Acrylonitrile	<5.00		250	163.0		ug/L		65	41 - 150	7	20

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

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

Lab Sample ID: 310-322293-3 MSD

Matrix: Ground Water

Analysis Batch: 476463

Client Sample ID: MW-39

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.500		25.0	16.41		ug/L		66	48 - 125	11	20
Bromochloromethane	<5.00		25.0	18.50		ug/L		74	55 - 131	10	21
Bromodichloromethane	<1.00		25.0	16.82		ug/L		67	53 - 122	8	20
Bromoform	<5.00		25.0	17.34		ug/L		69	47 - 122	8	20
Carbon disulfide	<1.00		25.0	16.21		ug/L		65	45 - 137	15	24
Carbon tetrachloride	<2.00		25.0	17.75		ug/L		71	45 - 136	10	20
Chlorobenzene	0.399	J	25.0	17.68		ug/L		69	59 - 120	9	20
Chlorodibromomethane	<5.00		25.0	17.07		ug/L		68	53 - 121	10	20
Chloroform	<3.00		25.0	16.59		ug/L		66	52 - 122	9	20
cis-1,2-Dichloroethene	<1.00		25.0	17.38		ug/L		70	51 - 123	7	20
cis-1,3-Dichloropropene	<5.00		25.0	16.18		ug/L		65	55 - 123	9	20
Dibromomethane	<1.00		25.0	17.70		ug/L		71	57 - 122	7	20
Ethylbenzene	<1.00		25.0	16.73		ug/L		67	53 - 120	10	20
Iodomethane	<10.0		25.0	13.90		ug/L		56	18 - 150	4	32
Methylene chloride	<5.00		25.0	17.15		ug/L		69	59 - 128	8	20
Styrene	<1.00		25.0	17.37		ug/L		69	50 - 125	10	20
Tetrachloroethene	<1.00		25.0	18.72		ug/L		75	51 - 128	9	20
Toluene	<1.00		25.0	16.44		ug/L		66	52 - 120	11	20
trans-1,2-Dichloroethene	<1.00		25.0	16.87		ug/L		67	53 - 127	12	20
trans-1,3-Dichloropropene	<5.00		25.0	16.64		ug/L		67	50 - 123	9	20
trans-1,4-Dichloro-2-butene	<10.0		25.0	15.43		ug/L		62	28 - 150	4	24
Trichloroethene	<1.00		25.0	17.71		ug/L		71	50 - 128	10	20
Vinyl acetate	<10.0		50.0	32.97		ug/L		66	31 - 150	6	25
Xylenes, Total	<3.00		50.0	33.24		ug/L		66	50 - 122	10	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	99		76 - 130
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120

Lab Sample ID: MB 310-476683/5

Matrix: Water

Analysis Batch: 476683

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			12/17/25 11:29	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/17/25 11:29	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/17/25 11:29	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/17/25 11:29	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/17/25 11:29	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/17/25 11:29	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/17/25 11:29	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/17/25 11:29	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/17/25 11:29	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/17/25 11:29	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/17/25 11:29	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/17/25 11:29	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/17/25 11:29	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

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

Lab Sample ID: MB 310-476683/5

Matrix: Water

Analysis Batch: 476683

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/17/25 11:29	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/17/25 11:29	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/17/25 11:29	1
Acetone	<10.0		10.0	3.80	ug/L			12/17/25 11:29	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/17/25 11:29	1
Benzene	<0.500		0.500	0.220	ug/L			12/17/25 11:29	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/17/25 11:29	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/17/25 11:29	1
Bromoform	<5.00		5.00	2.60	ug/L			12/17/25 11:29	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/17/25 11:29	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/17/25 11:29	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/17/25 11:29	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/17/25 11:29	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/17/25 11:29	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/17/25 11:29	1
Chloroform	<3.00		3.00	1.30	ug/L			12/17/25 11:29	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/17/25 11:29	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/17/25 11:29	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/17/25 11:29	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/17/25 11:29	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/17/25 11:29	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/17/25 11:29	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/17/25 11:29	1
Styrene	<1.00		1.00	0.370	ug/L			12/17/25 11:29	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/17/25 11:29	1
Toluene	<1.00		1.00	0.430	ug/L			12/17/25 11:29	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/17/25 11:29	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/17/25 11:29	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/17/25 11:29	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/17/25 11:29	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/17/25 11:29	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/17/25 11:29	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/17/25 11:29	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/17/25 11:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		76 - 130		12/17/25 11:29	1
Toluene-d8 (Surr)	93		80 - 120		12/17/25 11:29	1
4-Bromofluorobenzene (Surr)	102		80 - 120		12/17/25 11:29	1

Lab Sample ID: LCS 310-476683/6

Matrix: Water

Analysis Batch: 476683

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	21.64		ug/L		108	70 - 121
1,1,1-Trichloroethane	20.0	24.93		ug/L		125	69 - 130
1,1,2,2-Tetrachloroethane	20.0	20.84		ug/L		104	70 - 122

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

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

Lab Sample ID: LCS 310-476683/6

Matrix: Water

Analysis Batch: 476683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	20.0	22.87		ug/L		114	75 - 121
1,1-Dichloroethane	20.0	22.26		ug/L		111	69 - 127
1,1-Dichloroethene	20.0	23.93		ug/L		120	64 - 134
1,2,3-Trichloropropane	20.0	20.94		ug/L		105	70 - 122
1,2-Dibromo-3-chloropropane	20.0	20.01		ug/L		100	62 - 132
1,2-Dibromoethane (EDB)	20.0	20.55		ug/L		103	74 - 122
1,2-Dichlorobenzene	20.0	21.17		ug/L		106	74 - 120
1,2-Dichloroethane	20.0	23.01		ug/L		115	68 - 125
1,2-Dichloropropane	20.0	21.04		ug/L		105	72 - 128
1,4-Dichlorobenzene	20.0	22.43		ug/L		112	72 - 120
2-Butanone (MEK)	40.0	41.25		ug/L		103	60 - 134
2-Hexanone	40.0	41.61		ug/L		104	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	37.90		ug/L		95	62 - 136
Acetone	40.0	49.08		ug/L		123	59 - 136
Acrylonitrile	200	238.5		ug/L		119	50 - 150
Benzene	20.0	21.50		ug/L		108	71 - 125
Bromochloromethane	20.0	23.53		ug/L		118	69 - 131
Bromodichloromethane	20.0	22.85		ug/L		114	70 - 122
Bromoform	20.0	19.67		ug/L		98	62 - 122
Carbon disulfide	20.0	23.22		ug/L		116	58 - 137
Carbon tetrachloride	20.0	26.23		ug/L		131	63 - 136
Chlorobenzene	20.0	21.23		ug/L		106	74 - 120
Chlorodibromomethane	20.0	21.10		ug/L		105	69 - 121
Chloroform	20.0	22.25		ug/L		111	72 - 122
cis-1,2-Dichloroethene	20.0	22.76		ug/L		114	72 - 123
cis-1,3-Dichloropropene	20.0	21.42		ug/L		107	72 - 123
Dibromomethane	20.0	22.89		ug/L		114	72 - 122
Ethylbenzene	20.0	20.97		ug/L		105	75 - 120
Iodomethane	20.0	20.47		ug/L		102	18 - 150
Methylene chloride	20.0	24.57		ug/L		123	72 - 128
Styrene	20.0	21.09		ug/L		105	74 - 122
Tetrachloroethene	20.0	22.54		ug/L		113	70 - 128
Toluene	20.0	21.52		ug/L		108	74 - 120
trans-1,2-Dichloroethene	20.0	23.76		ug/L		119	67 - 127
trans-1,3-Dichloropropene	20.0	19.19		ug/L		96	67 - 123
trans-1,4-Dichloro-2-butene	20.0	20.41		ug/L		102	50 - 150
Trichloroethene	20.0	21.62		ug/L		108	70 - 128
Vinyl acetate	40.0	41.81		ug/L		105	50 - 150
Xylenes, Total	40.0	43.25		ug/L		108	74 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	103		76 - 130
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

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

Lab Sample ID: LCS 310-476683/7

Matrix: Water

Analysis Batch: 476683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	19.54		ug/L		98	33 - 138
Chloroethane	20.0	21.73		ug/L		109	59 - 139
Chloromethane	20.0	20.24		ug/L		101	52 - 146
Trichlorofluoromethane	20.0	23.64		ug/L		118	55 - 150
Vinyl chloride	20.0	22.05		ug/L		110	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	97		76 - 130
Toluene-d8 (Surr)	94		80 - 120
4-Bromofluorobenzene (Surr)	104		80 - 120

Lab Sample ID: MB 310-477201/6

Matrix: Water

Analysis Batch: 477201

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			12/23/25 10:08	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/23/25 10:08	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/23/25 10:08	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/23/25 10:08	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/23/25 10:08	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/23/25 10:08	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/23/25 10:08	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/23/25 10:08	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/23/25 10:08	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/23/25 10:08	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/23/25 10:08	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/23/25 10:08	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/23/25 10:08	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/23/25 10:08	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/23/25 10:08	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/23/25 10:08	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/23/25 10:08	1
Benzene	<0.500		0.500	0.220	ug/L			12/23/25 10:08	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/23/25 10:08	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/23/25 10:08	1
Bromoform	<5.00		5.00	2.60	ug/L			12/23/25 10:08	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/23/25 10:08	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/23/25 10:08	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/23/25 10:08	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/23/25 10:08	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/23/25 10:08	1
Chloroform	<3.00		3.00	1.30	ug/L			12/23/25 10:08	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/23/25 10:08	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/23/25 10:08	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/23/25 10:08	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/23/25 10:08	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/23/25 10:08	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

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

Lab Sample ID: MB 310-477201/6

Matrix: Water

Analysis Batch: 477201

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	<10.0		10.0	2.60	ug/L			12/23/25 10:08	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/23/25 10:08	1
Styrene	<1.00		1.00	0.370	ug/L			12/23/25 10:08	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/23/25 10:08	1
Toluene	<1.00		1.00	0.430	ug/L			12/23/25 10:08	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/23/25 10:08	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/23/25 10:08	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/23/25 10:08	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/23/25 10:08	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/23/25 10:08	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/23/25 10:08	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/23/25 10:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		76 - 130		12/23/25 10:08	1
Toluene-d8 (Surr)	96		80 - 120		12/23/25 10:08	1
4-Bromofluorobenzene (Surr)	103		80 - 120		12/23/25 10:08	1

Lab Sample ID: LCS 310-477201/7

Matrix: Water

Analysis Batch: 477201

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	20.71		ug/L		104	70 - 121
1,1,1-Trichloroethane	20.0	19.44		ug/L		97	69 - 130
1,1,2,2-Tetrachloroethane	20.0	20.32		ug/L		102	70 - 122
1,1,2-Trichloroethane	20.0	19.33		ug/L		97	75 - 121
1,1-Dichloroethane	20.0	18.92		ug/L		95	69 - 127
1,1-Dichloroethene	20.0	18.77		ug/L		94	64 - 134
1,2,3-Trichloropropane	20.0	20.87		ug/L		104	70 - 122
1,2-Dibromo-3-chloropropane	20.0	20.33		ug/L		102	62 - 132
1,2-Dibromoethane (EDB)	20.0	19.55		ug/L		98	74 - 122
1,2-Dichlorobenzene	20.0	20.21		ug/L		101	74 - 120
1,2-Dichloroethane	20.0	17.70		ug/L		88	68 - 125
1,2-Dichloropropane	20.0	18.30		ug/L		91	72 - 128
1,4-Dichlorobenzene	20.0	19.48		ug/L		97	72 - 120
2-Butanone (MEK)	40.0	39.29		ug/L		98	60 - 134
2-Hexanone	40.0	38.06		ug/L		95	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	35.73		ug/L		89	62 - 136
Acrylonitrile	200	179.1		ug/L		90	50 - 150
Benzene	20.0	19.54		ug/L		98	71 - 125
Bromochloromethane	20.0	19.69		ug/L		98	69 - 131
Bromodichloromethane	20.0	19.14		ug/L		96	70 - 122
Bromoform	20.0	20.42		ug/L		102	62 - 122
Carbon disulfide	20.0	19.47		ug/L		97	58 - 137
Carbon tetrachloride	20.0	19.45		ug/L		97	63 - 136
Chlorobenzene	20.0	20.70		ug/L		103	74 - 120
Chlorodibromomethane	20.0	19.44		ug/L		97	69 - 121

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

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

Lab Sample ID: LCS 310-477201/7

Matrix: Water

Analysis Batch: 477201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	20.0	19.19		ug/L		96	72 - 122
cis-1,2-Dichloroethene	20.0	19.49		ug/L		97	72 - 123
cis-1,3-Dichloropropene	20.0	19.54		ug/L		98	72 - 123
Dibromomethane	20.0	18.97		ug/L		95	72 - 122
Ethylbenzene	20.0	19.94		ug/L		100	75 - 120
Iodomethane	20.0	13.35		ug/L		67	18 - 150
Methylene chloride	20.0	19.32		ug/L		97	72 - 128
Styrene	20.0	21.68		ug/L		108	74 - 122
Tetrachloroethene	20.0	20.36		ug/L		102	70 - 128
Toluene	20.0	19.14		ug/L		96	74 - 120
trans-1,2-Dichloroethene	20.0	19.22		ug/L		96	67 - 127
trans-1,3-Dichloropropene	20.0	19.25		ug/L		96	67 - 123
trans-1,4-Dichloro-2-butene	20.0	19.22		ug/L		96	50 - 150
Trichloroethene	20.0	19.74		ug/L		99	70 - 128
Vinyl acetate	40.0	42.10		ug/L		105	50 - 150
Xylenes, Total	40.0	40.39		ug/L		101	74 - 121

Surrogate	%Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	97		76 - 130
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120

Lab Sample ID: LCS 310-477201/8

Matrix: Water

Analysis Batch: 477201

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	12.77		ug/L		64	33 - 138
Chloromethane	20.0	13.23		ug/L		66	52 - 146
Trichlorofluoromethane	20.0	18.44		ug/L		92	55 - 150

Surrogate	%Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	100		76 - 130
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-476547/3

Matrix: Water

Analysis Batch: 476547

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			12/15/25 10:15	1
Sulfate	<1.00		1.00	0.420	mg/L			12/15/25 10:15	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

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

Lab Sample ID: LCS 310-476547/4

Matrix: Water

Analysis Batch: 476547

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	9.685		mg/L		97	90 - 110
Sulfate	10.0	9.458		mg/L		95	90 - 110

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-476343/1-A

Matrix: Water

Analysis Batch: 476653

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		12/15/25 08:45	12/16/25 14:56	1
Calcium	<0.500		0.500	0.190	mg/L		12/15/25 08:45	12/16/25 14:56	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		12/15/25 08:45	12/16/25 14:56	1
Magnesium	<0.500		0.500	0.150	mg/L		12/15/25 08:45	12/16/25 14:56	1
Potassium	<0.500		0.500	0.170	mg/L		12/15/25 08:45	12/16/25 14:56	1
Sodium	<1.00		1.00	0.650	mg/L		12/15/25 08:45	12/16/25 14:56	1

Lab Sample ID: LCS 310-476343/2-A

Matrix: Water

Analysis Batch: 476653

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.1954		mg/L		98	80 - 120
Calcium	2.00	1.800		mg/L		90	80 - 120
Cobalt	0.100	0.09566		mg/L		96	80 - 120
Magnesium	2.00	2.013		mg/L		101	80 - 120
Potassium	2.00	1.959		mg/L		98	80 - 120
Sodium	2.00	2.009		mg/L		100	80 - 120

Lab Sample ID: 310-322293-1 MS

Matrix: Ground Water

Analysis Batch: 476653

Client Sample ID: MW-18R

Prep Type: Total/NA

Prep Batch: 476343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00183	J	0.200	0.2046		mg/L		101	75 - 125
Calcium	92.7		2.00	94.54	4	mg/L		93	75 - 125
Cobalt	0.000579		0.100	0.09631		mg/L		96	75 - 125
Magnesium	38.6		2.00	39.94	4	mg/L		67	75 - 125
Potassium	4.32		2.00	6.150		mg/L		91	75 - 125
Sodium	21.6		2.00	23.41	4	mg/L		90	75 - 125

Lab Sample ID: 310-322293-1 MSD

Matrix: Ground Water

Analysis Batch: 476653

Client Sample ID: MW-18R

Prep Type: Total/NA

Prep Batch: 476343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.00183	J	0.200	0.2035		mg/L		101	75 - 125	1	20
Calcium	92.7		2.00	95.26	4	mg/L		128	75 - 125	1	20
Cobalt	0.000579		0.100	0.09668		mg/L		96	75 - 125	0	20
Magnesium	38.6		2.00	40.55	4	mg/L		98	75 - 125	2	20

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

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

Lab Sample ID: 310-322293-1 MSD

Matrix: Ground Water

Analysis Batch: 476653

Client Sample ID: MW-18R

Prep Type: Total/NA

Prep Batch: 476343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Potassium	4.32		2.00	6.185		mg/L		93	75 - 125	1	20
Sodium	21.6		2.00	23.75	4	mg/L		107	75 - 125	1	20

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

Lab Sample ID: MB 310-476316/1

Matrix: Water

Analysis Batch: 476316

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			12/12/25 11:16	1

Lab Sample ID: LCS 310-476316/2

Matrix: Water

Analysis Batch: 476316

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	94.00		mg/L		94	82 - 117

Lab Sample ID: MB 310-476514/1

Matrix: Water

Analysis Batch: 476514

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			12/16/25 05:29	1

Lab Sample ID: LCS 310-476514/2

Matrix: Water

Analysis Batch: 476514

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	104.0		mg/L		104	82 - 117

Method: SM 2320B - Alkalinity

Lab Sample ID: 310-322293-2 DU

Matrix: Ground Water

Analysis Batch: 477011

Client Sample ID: MW-35

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity as CaCO3	893		882.7		mg/L		1	
Carbonate Alkalinity as CaCO3	<5.00		<5.00		mg/L		NC	

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

GC/MS VOA

Analysis Batch: 476463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322293-3	MW-39	Total/NA	Ground Water	8260D	
310-322293-4	MW-44	Total/NA	Ground Water	8260D	
310-322293-5	MW-45	Total/NA	Ground Water	8260D	
310-322293-6	Trip Blank	Total/NA	Water	8260D	
MB 310-476463/5	Method Blank	Total/NA	Water	8260D	
LCS 310-476463/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-476463/7	Lab Control Sample	Total/NA	Water	8260D	
310-322293-3 MS	MW-39	Total/NA	Ground Water	8260D	
310-322293-3 MSD	MW-39	Total/NA	Ground Water	8260D	

Analysis Batch: 476683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322293-4	MW-44	Total/NA	Ground Water	8260D	
310-322293-5	MW-45	Total/NA	Ground Water	8260D	
310-322293-6	Trip Blank	Total/NA	Water	8260D	
MB 310-476683/5	Method Blank	Total/NA	Water	8260D	
LCS 310-476683/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-476683/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 477201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322293-3	MW-39	Total/NA	Ground Water	8260D	
MB 310-477201/6	Method Blank	Total/NA	Water	8260D	
LCS 310-477201/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-477201/8	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 476547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322293-1	MW-18R	Total/NA	Ground Water	9056A	
310-322293-2	MW-35	Total/NA	Ground Water	9056A	
310-322293-3	MW-39	Total/NA	Ground Water	9056A	
310-322293-4	MW-44	Total/NA	Ground Water	9056A	
310-322293-5	MW-45	Total/NA	Ground Water	9056A	
MB 310-476547/3	Method Blank	Total/NA	Water	9056A	
LCS 310-476547/4	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 476343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322293-1	MW-18R	Total/NA	Ground Water	3005A	
310-322293-2	MW-35	Total/NA	Ground Water	3005A	
310-322293-3	MW-39	Total/NA	Ground Water	3005A	
310-322293-4	MW-44	Total/NA	Ground Water	3005A	
310-322293-5	MW-45	Total/NA	Ground Water	3005A	
MB 310-476343/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-476343/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-322293-1 MS	MW-18R	Total/NA	Ground Water	3005A	
310-322293-1 MSD	MW-18R	Total/NA	Ground Water	3005A	

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

Metals

Analysis Batch: 476653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322293-1	MW-18R	Total/NA	Ground Water	6020B	476343
310-322293-2	MW-35	Total/NA	Ground Water	6020B	476343
310-322293-3	MW-39	Total/NA	Ground Water	6020B	476343
310-322293-4	MW-44	Total/NA	Ground Water	6020B	476343
310-322293-5	MW-45	Total/NA	Ground Water	6020B	476343
MB 310-476343/1-A	Method Blank	Total/NA	Water	6020B	476343
LCS 310-476343/2-A	Lab Control Sample	Total/NA	Water	6020B	476343
310-322293-1 MS	MW-18R	Total/NA	Ground Water	6020B	476343
310-322293-1 MSD	MW-18R	Total/NA	Ground Water	6020B	476343

Analysis Batch: 476762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322293-3	MW-39	Total/NA	Ground Water	6020B	476343

General Chemistry

Analysis Batch: 476316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322293-1	MW-18R	Total/NA	Ground Water	I-3765-85	
310-322293-2	MW-35	Total/NA	Ground Water	I-3765-85	
310-322293-3	MW-39	Total/NA	Ground Water	I-3765-85	
MB 310-476316/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-476316/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 476514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322293-4	MW-44	Total/NA	Ground Water	I-3765-85	
310-322293-5	MW-45	Total/NA	Ground Water	I-3765-85	
MB 310-476514/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-476514/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 477011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-322293-1	MW-18R	Total/NA	Ground Water	SM 2320B	
310-322293-2	MW-35	Total/NA	Ground Water	SM 2320B	
310-322293-3	MW-39	Total/NA	Ground Water	SM 2320B	
310-322293-4	MW-44	Total/NA	Ground Water	SM 2320B	
310-322293-5	MW-45	Total/NA	Ground Water	SM 2320B	
LCS 310-477011/2	Lab Control Sample	Total/NA	Water	SM 2320B	
310-322293-2 DU	MW-35	Total/NA	Ground Water	SM 2320B	

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

Client Sample ID: MW-18R

Lab Sample ID: 310-322293-1

Date Collected: 12/09/25 11:40

Matrix: Ground Water

Date Received: 12/12/25 08:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	476547	HE7K	EET CF	12/15/25 12:00
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		1	476653	NFT2	EET CF	12/16/25 15:06
Total/NA	Analysis	I-3765-85		1	476316	DGU1	EET CF	12/12/25 11:16
Total/NA	Analysis	SM 2320B		1	477011	WZC8	EET CF	12/19/25 17:46

Client Sample ID: MW-35

Lab Sample ID: 310-322293-2

Date Collected: 12/09/25 12:36

Matrix: Ground Water

Date Received: 12/12/25 08:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	476547	HE7K	EET CF	12/15/25 12:34
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		1	476653	NFT2	EET CF	12/16/25 15:24
Total/NA	Analysis	I-3765-85		1	476316	DGU1	EET CF	12/12/25 11:16
Total/NA	Analysis	SM 2320B		1	477011	WZC8	EET CF	12/19/25 17:57

Client Sample ID: MW-39

Lab Sample ID: 310-322293-3

Date Collected: 12/09/25 15:10

Matrix: Ground Water

Date Received: 12/12/25 08:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476463	WSE8	EET CF	12/15/25 14:27
Total/NA	Analysis	8260D		1	477201	WSE8	EET CF	12/23/25 11:58
Total/NA	Analysis	9056A		10	476547	HE7K	EET CF	12/15/25 12:46
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		1	476653	NFT2	EET CF	12/16/25 15:26
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		4	476762	NFT2	EET CF	12/17/25 14:43
Total/NA	Analysis	I-3765-85		1	476316	DGU1	EET CF	12/12/25 11:16
Total/NA	Analysis	SM 2320B		1	477011	WZC8	EET CF	12/19/25 18:26

Client Sample ID: MW-44

Lab Sample ID: 310-322293-4

Date Collected: 12/10/25 14:35

Matrix: Ground Water

Date Received: 12/12/25 08:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476463	WSE8	EET CF	12/15/25 14:49
Total/NA	Analysis	8260D		1	476683	WSE8	EET CF	12/17/25 16:22
Total/NA	Analysis	9056A		10	476547	HE7K	EET CF	12/15/25 12:58
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		1	476653	NFT2	EET CF	12/16/25 15:34
Total/NA	Analysis	I-3765-85		1	476514	DGU1	EET CF	12/16/25 05:29
Total/NA	Analysis	SM 2320B		1	477011	WZC8	EET CF	12/19/25 18:40

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County Landfill

Client Sample ID: MW-45
Date Collected: 12/10/25 13:55
Date Received: 12/12/25 08:25

Lab Sample ID: 310-322293-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476463	WSE8	EET CF	12/15/25 15:11
Total/NA	Analysis	8260D		1	476683	WSE8	EET CF	12/17/25 14:30
Total/NA	Analysis	9056A		10	476547	HE7K	EET CF	12/15/25 13:09
Total/NA	Prep	3005A			476343	RLT9	EET CF	12/15/25 08:45
Total/NA	Analysis	6020B		1	476653	NFT2	EET CF	12/16/25 15:37
Total/NA	Analysis	I-3765-85		1	476514	DGU1	EET CF	12/16/25 05:29
Total/NA	Analysis	SM 2320B		1	477011	WZC8	EET CF	12/19/25 18:53

Client Sample ID: Trip Blank
Date Collected: 12/10/25 00:00
Date Received: 12/12/25 08:25

Lab Sample ID: 310-322293-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	476463	WSE8	EET CF	12/15/25 12:37
Total/NA	Analysis	8260D		1	476683	WSE8	EET CF	12/17/25 12:59

Laboratory References:

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

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County 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 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: SCS Engineers
Project/Site: SCL 2nd 2025 Bracketing & Geochemistry

Job ID: 310-322293-1
SDG: Scott County 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
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
SM 2320B	Alkalinity	SM	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF

Protocol References:

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

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

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

Laboratory References:

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



Environment Testing
America



310-322293 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCS</u>			
City/State:	CITY	STATE	Project:
Receipt Information			
Date/Time Received	DATE	TIME	Received By
	<u>12-12-25</u>	<u>0825</u>	<u>R</u>
Delivery Type: ☒ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes: Cooler ID. _____			
Multiple Coolers? ☒ Yes ☒ No If yes: Cooler # <u>1</u> of <u>2</u>			
Cooler Custody Seals Present? ☒ Yes ☐ No If yes: Cooler custody seals intact? ☐ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☒ Yes ☐ No If yes: Which VOA samples are in cooler? ↓			
<u>All Broken trips</u>			
<u>27, 44, 45, DC</u>			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID:		Correction Factor (°C):	
<u>CE</u>		<u>to 0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):		Corrected Temp (°C):	
<u>0.3</u>		<u>0.3</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1		CONTAINER 2
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCC</u>			
City/State:	CITY	STATE	Project:
Receipt Information			
Date/Time Received:	DATE <u>12-12-25</u>	TIME <u>0825</u>	Received By: <u>[Signature]</u>
Delivery Type: ☒ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID.
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # _____ of _____
Cooler Custody Seals Present?		☐ Yes ☒ No	If yes: Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☒ Yes ☐ No	If yes: Which VOA samples are in cooler? ↓
<u>OP-17, MW-39, MW-35</u>			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID.		<u>CC</u>	Correction Factor (°C): <u>+0.0</u>
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):		<u>0.2</u>	Corrected Temp (°C): <u>0.2</u>
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login.			
Additional Comments			

Chain of Custody Record

Eurofins

Davenport SC 212

Eurofins TestAmerica, Cedar Falls
3019 Venture Way

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

TestAmerica Laboratories, Inc. db/a Eurofins TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact		Project Manager: Nathan Ohrt		Site Contact: Brian Seals		Date:		COC No											
Nathan Ohrt		Email: nohrt@scsengineers.com		Lab Contact: Sam Miller		Carrier		2 of 3 COCs											
SCS Engineers		Cell 319-331-9613						Sampler											
1690 All State Court, Suite 100		☐ CALENDAR DAYS ☐ WORKING DAYS						For Lab Use Only											
West Des Moines, IA 50265		Analysis Turnaround Time						Walk-in Client:											
		Other:						Lab Sampling											
		☐ 2 weeks						Job / SDG No											
		☐ 1 week																	
		☐ 2 days																	
		☐ 1 day																	
Sample Identification	Sample Date	Sample Time	Sample Type (C-Comp, G-Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Arsenic	Cobalt	Appendix I VOCs	Total Suspended Solids	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Calcium	Chloride	Magnesium	Potassium	Sulfate	Trip Blank	Sample Specific Notes
MW-18R	12-9	1140	G	GW		N	X	X	X	X	X	X	X	X	X	X	X		
MW-33A			G	GW		N	X	X	X	X	X	X	X	X	X	X	X		
MW-34			G	GW		N	X	X	X	X	X	X	X	X	X	X	X		
MW-35	12-9	1236	G	GW		N	X	X	X	X	X	X	X	X	X	X	X		
MW-36			G	GW		N	X	X	X	X	X	X	X	X	X	X	X		
MW-37			G	GW		N	X	X	X	X	X	X	X	X	X	X	X		
MW-39	12-9	1510	G	GW		N	X	X	X	X	X	X	X	X	X	X	X		
MW-44	12-10	1435	G	GW		N	X	X	X	X	X	X	X	X	X	X	X		
MW-45	12-10	1355	G	GW		N	X	X	X	X	X	X	X	X	X	X	X		
MW-49			G	GW		N	X	X	X	X	X	X	X	X	X	X	X		
MW-50			G	GW		N	X	X	X	X	X	X	X	X	X	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-Hazardous ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Special Instructions/QC Requirements & Comments

Custody Seals Intact	Yes	No	Custody Seal No	Company	Received by	Date/Time	Cooler Temp (°C)	Obs'd	Corr'd	Therm ID No
Relinquished by			SCS	Company	Michael Spiegler	12-11-10				1034
Relinquished by			Eurofins	Company	Received by	12-11-10				
Relinquished by				Company	Received in Laboratory by	12-11-10				

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

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-322293-1
SDG Number: Scott County Landfill

Login Number: 322293

List Number: 1

Creator: Hirsch, Preston

List Source: Eurofins Cedar Falls

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

Appendix B-2
Data Validation Documentation

Completed by: Nathan Ohrt
Date of Sampling: 6/4/2025
Lab Report Date: 9/5/2025 (Revision)
Site Name: Scott County Landfill
Project Type: 1st 2025 HMSP
Lab Report Number: 310-308067

OK NO N/A NOTES

Sample Collection and Sample Handling

Chain of Custody

Temperature

Preservation

Condition

Case Narrative

Holding Times

Analytical Sensitivity and Blanks

Method Blank Detections

Trip Blank Detections

Accuracy

ICV/CCV

LCS/LCSD

MS/MSD

Surrogates (organics only)

Precision

QA/QC Sample RPDs

Field Duplicates

X			
X			
	X		MW-28 was received with insufficient preservation; the sample was preserved to the appropriate pH by the laboratory.
X			
	X		Trip Blank did not meet the no headspace requirement.
X			

X			No detections.
X			No detections.

	X		Continuing calibration verifications (CCVs) recovered above the upper control limit for 4-Nitrophenol; the associated samples were non-detect for the affected analyte so the data was reported.
	X		Laboratory control samples (LCSs) were outside control limits for multiple analytes; there was insufficient sample to perform a re-extraction or re-analysis so the data was reported. The RPD of the LCS and laboratory control sample duplicate (LCSD) recovered outside control limits for 1-Naphthylamine, 3,3'-Dimethylbenzidine, and Methapyrilene. The LCS recovered outside control limits for Silvex (2,4,5-TP); the samples cannot be re-extracted within the method required holding time, therefore the client was contacted and the data reported. MW-28 and OP-17 .
	X		Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with a preparation batch; the LCS was performed to provide precision data for this batch.
	X		Surrogate recovery for OP-17 was outside the upper control limit; the samples did not contain any target analytes so the data was reported.

X			
X			Sample MW-20 and duplicate sample MW-DC had <50% RPD for analyzed parameters with the exception of lead (87%).

Completed by: Nathan Ohrt
 Date of Sampling: 6/5/2025
 Lab Report Date: 6/24/2025
 Site Name: Scott County Landfill
 Project Type: 1st 2025 Leachate
 Lab Report Number: 310-308155

OK NO N/A NOTES

Sample Collection and Sample Handling

Chain of Custody

Temperature

Preservation

Condition

Case Narrative

Holding Times

X			
X			
	X		LHW-4 was received with insufficient preservation; the sample was preserved to the appropriate pH in the laboratory.
X			
X			
X			

Analytical Sensitivity and Blanks

Method Blank Detections

Trip Blank Detections

X			No detections.
		X	

Accuracy

ICV/CCV

LCS/LCSD

MS/MSD

Surrogates (organics only)

	X		
	X		
	X		
	X		

Precision

QA/QC Sample RPDs

Field Duplicates

X			
		X	

Completed by: Nathan Ohrt
 Date of Sampling: 6/2-3/2025
 Lab Report Date: 9/5/2025 (Revision)
 Site Name: Scott County Landfill
 Project Type: 1st 2025 Bracketing & Geochemistry
 Lab Report Number: 310-308226

OK NO N/A NOTES

Sample Collection and Sample Handling

Chain of Custody

Temperature

Preservation

Condition

Case Narrative

Holding Times

X			
X			
X			
X			
	X		Trip Blank 1 did not meet the no headspace requirement. Samples MW-18R and MW-35 were diluted due to the nature of the sample matrix; elevated reporting limits (RLs) are provided.
X			

Analytical Sensitivity and Blanks

Method Blank Detections

Trip Blank Detections

X			No detections.
X			No detections.

Accuracy

ICV/CCV

LCS/LCSD

MS/MSD

Surrogates (organics only)

X			
X			
X			
X			

Precision

QA/QC Sample RPDs

Field Duplicates

X			
		X	

Completed by: Nathan Ohrt
Date of Sampling: 12/3/2025
Lab Report Date: 12/15/2025
Site Name: Scott County Landfill
Project Type: 2nd 2025 HMSP, Geochemistry, & NA
Lab Report Number: 310-321877

OK NO N/A NOTES

Sample Collection and Sample Handling

Chain of Custody

Temperature

Preservation

Condition

Case Narrative

Holding Times

X			
X			
X			
X			
X			
	X		Sample MW-19 was received with insufficient time remaining to perform the analysis within holding time.

Analytical Sensitivity and Blanks

Method Blank Detections

Trip Blank Detections

X			No detections.
X			No detections.

Accuracy

ICV/CCV

LCS/LCSD

MS/MSD

Surrogates (organics only)

X			
X			
X			
X			

Precision

QA/QC Sample RPDs

Field Duplicates

X			
		X	

Completed by: Nathan Ohrt
Date of Sampling: 12/5/2025
Lab Report Date: 12/17/2025
Site Name: Scott County Landfill
Project Type: 2nd 2025 Bracketing & Geochemistry
Lab Report Number: 310-321973

OK NO N/A NOTES

Sample Collection and Sample Handling

Chain of Custody

Temperature

Preservation

Condition

Case Narrative

Holding Times

X			
X			
	X		Samples MW-36 and MW-37 were received with insufficient preservation; the samples were preserved to the appropriate pH by the laboratory.
X			
	X		Sample MW-33A was diluted due to the nature of the sample matrix; elevated reporting limits (RLs) are provided.
X			

Analytical Sensitivity and Blanks

Method Blank Detections

Trip Blank Detections

X			No detections.
		X	

Accuracy

ICV/CCV

LCS/LCSD

MS/MSD

Surrogates (organics only)

X			
X			
X			
X			

Precision

QA/QC Sample RPDs

Field Duplicates

X			
		X	

Completed by: Nathan Ohrt
Date of Sampling: 12/10/2025
Lab Report Date: 12/26/2025
Site Name: Scott County Landfill
Project Type: 2nd 2025 HMSP, Geochemistry, & NA
Lab Report Number: 310-322292-1

OK NO N/A NOTES

Sample Collection and Sample Handling

Chain of Custody

Temperature

Preservation

Condition

Case Narrative

Holding Times

X			
X			
	X		Samples MW-27, OP-17, and MW-DC were received with insufficient preservation; the samples were preserved to the appropriate pH by the laboratory.
X			
	X		Sample Trip Blank did not meet the no headspace requirement.
X			

Analytical Sensitivity and Blanks

Method Blank Detections

Trip Blank Detections

X			No detections.
X			No detections.

Accuracy

ICV/CCV

LCS/LCSD

MS/MSD

Surrogates (organics only)

	X		The continuing calibration verification (CCV) recovered above the upper control limit for Carbon Tetrachloride, 1,1,2-Trichloroethane , and 1,1,1-Trichloroethane; the associated samples were non-detect for the affected analytes so the data was reported.
X			
X			
X			

Precision

QA/QC Sample RPDs

Field Duplicates

X			
		X	Sample MW-DC was not evaluated as the elevated TSS may have resulted in a non-representative sample.

Completed by: Nathan Ohrt
 Date of Sampling: 12/10/2025
 Lab Report Date: 12/15/2025
 Site Name: Scott County Landfill
 Project Type: 2nd 2025 HMSP, Geochemistry, & NA
 Lab Report Number: 310-322292-2

OK NO N/A NOTES

Sample Collection and Sample Handling

Chain of Custody

Temperature

Preservation

Condition

Case Narrative

Holding Times

X			
X			
X			
X			
X			
X			

Analytical Sensitivity and Blanks

Method Blank Detections

Trip Blank Detections

X			No detections.
		X	

Accuracy

ICV/CCV

LCS/LCSD

MS/MSD

Surrogates (organics only)

X			
X			
X			
X			

Precision

QA/QC Sample RPDs

Field Duplicates

X			
		X	

Completed by: Nathan Ohrt
Date of Sampling: 12/9-10/2025
Lab Report Date: 12/29/2025
Site Name: Scott County Landfill
Project Type: 2nd 2025 Bracketing & Geochemistry
Lab Report Number: 310-322293

OK NO N/A NOTES

Sample Collection and Sample Handling

Chain of Custody

Temperature

Preservation

Condition

Case Narrative

Holding Times

Analytical Sensitivity and Blanks

Method Blank Detections

Trip Blank Detections

Accuracy

ICV/CCV

LCS/LCSD

MS/MSD

Surrogates (organics only)

Precision

QA/QC Sample RPDs

Field Duplicates

X			
X			
	X		Samples MW-45 was received with insufficient preservation; the sample was preserved to the appropriate pH by the laboratory.
X			
	X		Sample Trip Blank did not meet the no headspace requirement. Samples MW-18R and MW-35 were diluted due to the nature of the sample matrix; elevated reporting limits (RLs) are provided.
X			

X			No detections.
X			No detections.

	X		The continuing calibration verification (CCV) recovered above the upper control limit for multiple analytes; the associated samples were non-detect for the affected analytes or a CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable, so the data have been reported.
X			
X			
X			

X			
		X	

Appendix C
Reporting Period Summary of Groundwater Chemistry

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott County Landfill - 82-SDP-03-77C - HMSP Wells

	Sample Date	MW-17 DNG	MW-19 DNG	MW-20 DNG	MW-21 DNG	MW-22 DNG	MW-27 DNG	MW-28 DNG	MW-30 DNG	OP-17 DNG
Total Metals Constituents										
Antimony, mg/L (CAS NO - 7440-36-0)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.002	N/A	< 0.002
Arsenic, mg/L (CAS NO - 7440-38-2)	6/4/2025	0.0011*	0.0241	< 0.002	0.00148*	< 0.002	0.00665	< 0.002	< 0.002	0.0121
	6/4/2025	N/A	N/A	< 0.002	N/A	N/A	N/A	N/A	N/A	N/A
	12/3/2025	0.00129*	0.0215	N/A	N/A	N/A	0.00269	N/A	N/A	0.00215
Barium, mg/L (CAS NO - 7440-39-3)	6/4/2025	0.419	0.164	0.302	0.177	0.0526	0.172	0.188	0.102	0.366
	6/4/2025	N/A	N/A	0.301	N/A	N/A	N/A	N/A	N/A	N/A
	12/3/2025	0.194	0.141	N/A	N/A	N/A	0.151	N/A	N/A	0.292
Beryllium, mg/L (CAS NO - 7440-41-7)	6/4/2025	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
	6/4/2025	N/A	N/A	< 0.001	N/A	N/A	N/A	N/A	N/A	N/A
	12/3/2025	< 0.001	< 0.001	N/A	N/A	N/A	< 0.001	N/A	N/A	< 0.001
Cadmium, mg/L (CAS NO - 7440-43-9)	6/4/2025	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000221
	6/4/2025	N/A	N/A	< 0.0002	N/A	N/A	N/A	N/A	N/A	N/A
	12/3/2025	< 0.0002	< 0.0002	N/A	N/A	N/A	< 0.0002	N/A	N/A	< 0.0002
Chromium, mg/L (CAS NO - 7440-47-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.005	N/A	< 0.005
Cobalt, mg/L (CAS NO - 7440-48-4)	6/4/2025	0.000553	0.00596	< 0.0005	0.000975	0.000421*	0.00892	< 0.0005	< 0.0005	0.012
	6/4/2025	N/A	N/A	< 0.0005	N/A	N/A	N/A	N/A	N/A	N/A
	12/3/2025	< 0.0005	0.00395	N/A	N/A	N/A	0.00207	N/A	N/A	0.00144
Copper, mg/L (CAS NO - 7440-50-8)	6/4/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0118
	6/4/2025	N/A	N/A	< 0.005	N/A	N/A	N/A	N/A	N/A	N/A
	12/3/2025	< 0.005	< 0.005	N/A	N/A	N/A	< 0.005	N/A	N/A	< 0.005
Lead, mg/L (CAS NO - 7439-92-1)	6/4/2025	< 0.0005	< 0.0005	0.00127	< 0.0005	0.000553	< 0.0005	< 0.0005	< 0.0005	0.00215
	6/4/2025	N/A	N/A	< 0.0005	N/A	N/A	N/A	N/A	N/A	N/A
	12/3/2025	< 0.0005	< 0.0005	N/A	N/A	N/A	< 0.0005	N/A	N/A	< 0.0005
Mercury, mg/L (CAS NO - 7439-97-6)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0002	N/A	< 0.0002
Nickel, mg/L (CAS NO - 7440-02-0)	6/4/2025	< 0.005	0.00257*	< 0.005	< 0.005	0.00385*	0.00506	< 0.005	< 0.005	0.0242
	6/4/2025	N/A	N/A	< 0.005	N/A	N/A	N/A	N/A	N/A	N/A
	12/3/2025	< 0.005	< 0.005	N/A	N/A	N/A	< 0.005	N/A	N/A	0.0128
Selenium, mg/L (CAS NO - 7782-49-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	0.00148*	N/A	< 0.005
Silver, mg/L (CAS NO - 7440-22-4)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.001	N/A	< 0.001
Thallium, mg/L (CAS NO - 7440-28-0)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.001	N/A	< 0.001
Tin, mg/L (CAS NO - 7440-31-5)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.005	N/A	< 0.005
Vanadium, mg/L (CAS NO - 7440-62-2)	6/4/2025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00191*	< 0.005
	6/4/2025	N/A	N/A	< 0.005	N/A	N/A	N/A	N/A	N/A	N/A
	12/3/2025	< 0.005	< 0.005	N/A	N/A	N/A	< 0.005	N/A	N/A	< 0.005
Zinc, mg/L (CAS NO - 7440-66-6)	6/4/2025	< 0.02	< 0.02	< 0.02	0.0305	< 0.02	< 0.02	< 0.02	< 0.02	0.0155*
	6/4/2025	N/A	N/A	< 0.02	N/A	N/A	N/A	N/A	N/A	N/A
	12/3/2025	< 0.02	< 0.02	N/A	N/A	N/A	< 0.02	N/A	N/A	< 0.02
Total Suspended Solids, mg/L (CAS NO - TSS)	6/4/2025	11	20	< 1.88	209	2.63	31	< 1.88	< 1.88	110
	6/4/2025	N/A	N/A	< 1.88	N/A	N/A	N/A	N/A	N/A	N/A
	12/3/2025	< 1.88	22.5	N/A	N/A	N/A	16	N/A	N/A	62

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 County Landfill - 82-SDP-03-77C - HMSP Wells

Appendix I VOC Constituents	Sample Date	MW-17 DNG	MW-19 DNG	MW-20 DNG	MW-21 DNG	MW-22 DNG	MW-27 DNG	MW-28 DNG	MW-30 DNG	OP-17 DNG
1,1,1,2-Tetrachloroethane, ug/L (CAS NO - 630-20-6)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
1,1,1-Trichloroethane, ug/L (CAS NO - 71-55-6)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
1,1,2,2-Tetrachloroethane, ug/L (CAS NO - 79-34-5)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
1,1,2-Trichloroethane, ug/L (CAS NO - 79-00-5)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
1,1-Dichloroethane, ug/L (CAS NO - 75-34-3)	6/4/2025	2.12	< 1	N/A	N/A	N/A	2.12	< 1	N/A	< 1
	12/3/2025	0.608*	< 1	N/A	N/A	N/A	1.7	N/A	N/A	< 1
1,1-Dichloroethene, ug/L (CAS NO - 75-35-4)	6/4/2025	< 2	< 2	N/A	N/A	N/A	< 2	< 2	N/A	< 2
	12/3/2025	< 2	< 2	N/A	N/A	N/A	< 2	N/A	N/A	< 2
1,2,3-Trichloropropane, ug/L (CAS NO - 96-18-4)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
1,2-Dibromo-3-Chloropropane, ug/L (CAS NO - 96-12-8)	6/4/2025	< 5	< 5	N/A	N/A	N/A	< 5	< 5	N/A	< 5
	12/3/2025	< 5	< 5	N/A	N/A	N/A	< 5	N/A	N/A	< 5
1,2-Dibromoethane [EDB], ug/L (CAS NO - 106-93-4)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
1,2-Dichlorobenzene, ug/L (CAS NO - 95-50-1)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	6.72
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	5.42
1,2-Dichloroethane, ug/L (CAS NO - 107-06-2)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
1,2-Dichloropropane, ug/L (CAS NO - 78-87-5)	6/4/2025	< 1	< 1	N/A	N/A	N/A	0.374*	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	0.556*	N/A	N/A	< 1
1,4-Dichlorobenzene, ug/L (CAS NO - 106-46-7)	6/4/2025	< 1	0.26*	N/A	N/A	N/A	< 1	< 1	N/A	9.42
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	8.12
2-Butanone, ug/L (CAS NO - 78-93-3)	6/4/2025	< 10	< 10	N/A	N/A	N/A	< 10	< 10	N/A	2.18*
	12/3/2025	< 10	< 10	N/A	N/A	N/A	< 10	N/A	N/A	< 10
2-Hexanone, ug/L (CAS NO - 591-78-6)	6/4/2025	< 10	< 10	N/A	N/A	N/A	< 10	< 10	N/A	< 10
	12/3/2025	< 10	< 10	N/A	N/A	N/A	< 10	N/A	N/A	< 10
4-Methyl-2-Pentanone, ug/L (CAS NO - 108-10-1)	6/4/2025	< 10	< 10	N/A	N/A	N/A	< 10	< 10	N/A	< 10
	12/3/2025	< 10	< 10	N/A	N/A	N/A	< 10	N/A	N/A	< 10
Acetone, ug/L (CAS NO - 67-64-1)	6/4/2025	< 10	< 10	N/A	N/A	N/A	13	< 10	N/A	9.62*
	12/3/2025	< 10	< 10	N/A	N/A	N/A	< 10	N/A	N/A	4.99*
Acrylonitrile, ug/L (CAS NO - 107-13-1)	6/4/2025	< 5	< 5	N/A	N/A	N/A	< 5	< 5	N/A	< 5
	12/3/2025	< 5	< 5	N/A	N/A	N/A	< 5	N/A	N/A	< 5
Benzene, ug/L (CAS NO - 71-43-2)	6/4/2025	< 0.5	< 0.5	N/A	N/A	N/A	0.946	< 0.5	N/A	1.45
	12/3/2025	< 0.5	< 0.5	N/A	N/A	N/A	0.232*	N/A	N/A	1.89
Bromochloromethane, ug/L (CAS NO - 74-97-5)	6/4/2025	< 5	< 5	N/A	N/A	N/A	< 5	< 5	N/A	< 5
	12/3/2025	< 5	< 5	N/A	N/A	N/A	< 5	N/A	N/A	< 5
Bromodichloromethane, ug/L (CAS NO - 75-27-4)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
Bromoform, ug/L (CAS NO - 75-25-2)	6/4/2025	< 5	< 5	N/A	N/A	N/A	< 5	< 5	N/A	< 5
	12/3/2025	< 5	< 5	N/A	N/A	N/A	< 5	N/A	N/A	< 5
Bromomethane, ug/L (CAS NO - 74-83-9)	6/4/2025	< 4	< 4	N/A	N/A	N/A	< 4	< 4	N/A	< 4
	12/3/2025	< 4	< 4	N/A	N/A	N/A	< 4	N/A	N/A	< 4
Carbon Disulfide, ug/L (CAS NO - 75-15-0)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
Carbon Tetrachloride, ug/L (CAS NO - 56-23-5)	6/4/2025	< 2	< 2	N/A	N/A	N/A	< 2	< 2	N/A	< 2
	12/3/2025	< 2	< 2	N/A	N/A	N/A	< 2	N/A	N/A	< 2
Chlorobenzene, ug/L (CAS NO - 108-90-7)	6/4/2025	< 1	< 1	N/A	N/A	N/A	2.08	< 1	N/A	29.4
	12/3/2025	< 1	< 1	N/A	N/A	N/A	1.91	N/A	N/A	33.8
Chlorodibromomethane, ug/L (CAS NO - 124-48-1)	6/4/2025	< 5	< 5	N/A	N/A	N/A	< 5	< 5	N/A	< 5
	12/3/2025	< 5	< 5	N/A	N/A	N/A	< 5	N/A	N/A	< 5
Chloroethane, ug/L (CAS NO - 75-00-3)	6/4/2025	< 4	< 4	N/A	N/A	N/A	< 4	< 4	N/A	< 4
	12/3/2025	< 4	< 4	N/A	N/A	N/A	< 4	N/A	N/A	< 4
Chloroform, ug/L (CAS NO - 67-66-3)	6/4/2025	< 3	< 3	N/A	N/A	N/A	< 3	< 3	N/A	< 3
	12/3/2025	< 3	< 3	N/A	N/A	N/A	< 3	N/A	N/A	< 3
Chloromethane, ug/L (CAS NO - 74-87-3)	6/4/2025	< 3	< 3	N/A	N/A	N/A	< 3	< 3	N/A	< 3
	12/3/2025	< 3	< 3	N/A	N/A	N/A	< 3	N/A	N/A	< 3
cis-1,2-Dichloroethene, ug/L (CAS NO - 156-59-2)	6/4/2025	6.39	1.42	N/A	N/A	N/A	26.4	< 1	N/A	0.279*
	12/3/2025	1.53	1.57	N/A	N/A	N/A	21.3	N/A	N/A	< 1
cis-1,3-Dichloropropene, ug/L (CAS NO - 10061-01-5)	6/4/2025	< 5	< 5	N/A	N/A	N/A	< 5	< 5	N/A	< 5
	12/3/2025	< 5	< 5	N/A	N/A	N/A	< 5	N/A	N/A	< 5
Ethylbenzene, ug/L (CAS NO - 100-41-4)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
Iodomethane, ug/L (CAS NO - 74-88-4)	6/4/2025	< 10	< 10	N/A	N/A	N/A	< 10	< 10	N/A	< 10
	12/3/2025	< 10	< 10	N/A	N/A	N/A	< 10	N/A	N/A	< 10
Methylene Bromide, ug/L (CAS NO - 74-95-3)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
Methylene Chloride, ug/L (CAS NO - 75-09-2)	6/4/2025	< 5	< 5	N/A	N/A	N/A	< 5	< 5	N/A	< 5
	12/3/2025	< 5	< 5	N/A	N/A	N/A	< 5	N/A	N/A	< 5
Styrene, ug/L (CAS NO - 100-42-5)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
Tetrachloroethene, ug/L (CAS NO - 127-18-4)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott County Landfill - 82-SDP-03-77C - HMSP Wells

	Sample Date	MW-17 DNG	MW-19 DNG	MW-20 DNG	MW-21 DNG	MW-22 DNG	MW-27 DNG	MW-28 DNG	MW-30 DNG	OP-17 DNG
Appendix I VOC Constituents										
Toluene, ug/L (CAS NO - 108-88-3)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
trans-1,2-Dichloroethene, ug/L (CAS NO - 156-60-5)	6/4/2025	< 1	< 1	N/A	N/A	N/A	0.292*	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
trans-1,3-Dichloropropene, ug/L (CAS NO - 10061-02-6)	6/4/2025	< 5	< 5	N/A	N/A	N/A	< 5	< 5	N/A	< 5
	12/3/2025	< 5	< 5	N/A	N/A	N/A	< 5	N/A	N/A	< 5
trans-1,4-Dichloro-2-Butene, ug/L (CAS NO - 110-57-6)	6/4/2025	< 10	< 10	N/A	N/A	N/A	< 10	< 10	N/A	< 10
	12/3/2025	< 10	< 10	N/A	N/A	N/A	< 10	N/A	N/A	< 10
Trichloroethene, ug/L (CAS NO - 79-01-6)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
Trichlorofluoromethane, ug/L (CAS NO - 75-69-4)	6/4/2025	< 4	< 4	N/A	N/A	N/A	< 4	< 4	N/A	< 4
	12/3/2025	< 4	< 4	N/A	N/A	N/A	< 4	N/A	N/A	< 4
Vinyl Acetate, ug/L (CAS NO - 108-05-4)	6/4/2025	< 10	< 10	N/A	N/A	N/A	< 10	< 10	N/A	< 10
	12/3/2025	< 10	< 10	N/A	N/A	N/A	< 10	N/A	N/A	< 10
Vinyl Chloride, ug/L (CAS NO - 75-01-4)	6/4/2025	< 1	< 1	N/A	N/A	N/A	< 1	< 1	N/A	< 1
	12/3/2025	< 1	< 1	N/A	N/A	N/A	< 1	N/A	N/A	< 1
Xylenes, total, ug/L (CAS NO - 1330-20-7)	6/4/2025	< 3	< 3	N/A	N/A	N/A	< 3	< 3	N/A	< 3
	12/3/2025	< 3	< 3	N/A	N/A	N/A	< 3	N/A	N/A	< 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.

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott County Landfill - 82-SDP-03-77C - HMSP Wells

Other Constituents	Sample Date	MW-17 DNG	MW-19 DNG	MW-20 DNG	MW-21 DNG	MW-22 DNG	MW-27 DNG	MW-28 DNG	MW-30 DNG	OP-17 DNG
1,1-Dichloropropene, ug/L (CAS NO - 563-58-6)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	< 1
1,2,4,5-Tetrachlorobenzene, ug/L (CAS NO - 95-94-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
1,2,4-Trichlorobenzene, ug/L (CAS NO - 120-82-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	< 5
1,3,5-Trinitrobenzene, ug/L (CAS NO - 99-35-4)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
1,3-Dichlorobenzene, ug/L (CAS NO - 541-73-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	< 1
1,3-Dichloropropane, ug/L (CAS NO - 142-28-9)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	< 1
1,3-Dinitrobenzene, ug/L (CAS NO - 99-65-0)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
1,4-Naphthoquinone, ug/L (CAS NO - 130-15-4)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
1,4-Phenylenediamine, ug/L (CAS NO - 106-50-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
1-Naphthylamine, ug/L (CAS NO - 134-32-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2,2-Dichloropropane, ug/L (CAS NO - 594-20-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 4	N/A	< 4
2,3,4,6-Tetrachlorophenol, ug/L (CAS NO - 58-90-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2,4,5-T [2C], ug/L (CAS NO - 93-76-5)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.156	N/A	< 0.152
2,4,5-TP [Silvex] [2C], ug/L (CAS NO - 93-72-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0519	N/A	< 0.0507
2,4,5-Trichlorophenol, ug/L (CAS NO - 95-95-4)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2,4,6-Trichlorophenol, ug/L (CAS NO - 88-06-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2,4-D [2C], ug/L (CAS NO - 94-75-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.622	N/A	< 0.609
2,4-Dichlorophenol, ug/L (CAS NO - 120-83-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2,4-Dimethylphenol, ug/L (CAS NO - 105-67-9)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2,4-Dinitrophenol, ug/L (CAS NO - 51-28-5)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 20.4	N/A	< 20.8
2,4-Dinitrotoluene, ug/L (CAS NO - 121-14-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2,6-Dichlorophenol, ug/L (CAS NO - 87-65-0)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2,6-Dinitrotoluene, ug/L (CAS NO - 606-20-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2-Acetylaminofluorene, ug/L (CAS NO - 53-96-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2-Chloronaphthalene, ug/L (CAS NO - 91-58-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2-Chlorophenol, ug/L (CAS NO - 95-57-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2-Methylnaphthalene, ug/L (CAS NO - 91-57-6)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2-Methylphenol, ug/L (CAS NO - 95-48-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2-Naphthylamine, ug/L (CAS NO - 91-59-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2-Nitroaniline, ug/L (CAS NO - 88-74-4)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
2-Nitrophenol, ug/L (CAS NO - 88-75-5)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
3,3-Dichlorobenzidine, ug/L (CAS NO - 91-94-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
3,3-Dimethylbenzidine, ug/L (CAS NO - 119-93-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
3/4-Methylphenol, ug/L (CAS NO - T-34MP)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
3-Chloropropene, ug/L (CAS NO - 107-05-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 2	N/A	< 2
3-Methylcholanthrene, ug/L (CAS NO - 56-49-5)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
3-Nitroaniline, ug/L (CAS NO - 99-09-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
4,4'-DDD, ug/L (CAS NO - 72-54-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
4,4'-DDE, ug/L (CAS NO - 72-55-9)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
4,4'-DDT, ug/L (CAS NO - 50-29-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
4,6-Dinitro-2-methylphenol, ug/L (CAS NO - 534-52-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
4-Aminobiphenyl, ug/L (CAS NO - 92-67-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
4-Bromophenyl phenyl ether, ug/L (CAS NO - 101-55-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
4-Chloro-3-methylphenol, ug/L (CAS NO - 59-50-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
4-Chloroaniline, ug/L (CAS NO - 106-47-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
4-Chlorophenyl phenyl ether, ug/L (CAS NO - 7005-72-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
4-Nitroaniline, ug/L (CAS NO - 100-01-6)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
4-Nitrophenol, ug/L (CAS NO - 100-02-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
5-Nitro-o-toluidine, ug/L (CAS NO - 99-55-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
7,12-Dimethylbenz [a] anthracene, ug/L (CAS NO - 57-97-6)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Acenaphthene, ug/L (CAS NO - 83-32-9)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Acenaphthylene, ug/L (CAS NO - 208-96-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Acetonitrile, ug/L (CAS NO - 75-05-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10000	N/A	< 10000
Acetophenone, ug/L (CAS NO - 98-86-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Acrolein, ug/L (CAS NO - 107-02-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	< 10
Aldrin, ug/L (CAS NO - 309-00-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
Anthracene, ug/L (CAS NO - 120-12-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Benzo [a] anthracene, ug/L (CAS NO - 56-55-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Benzo [a] pyrene, ug/L (CAS NO - 50-32-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Benzo [b] fluoranthene, ug/L (CAS NO - 205-99-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Benzo [g,h,i] perylene, ug/L (CAS NO - 191-24-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Benzo [k] fluoranthene, ug/L (CAS NO - 207-08-9)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Benzyl alcohol, ug/L (CAS NO - 100-51-6)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Alpha-BHC, ug/L (CAS NO - 319-84-6)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
Beta-BHC, ug/L (CAS NO - 319-85-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
Delta-BHC, ug/L (CAS NO - 319-86-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
Gamma-BHC [Lindane], ug/L (CAS NO - 58-89-9)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
Bis[2-chloroethoxy]methane, ug/L (CAS NO - 111-91-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Bis[2-chloroethyl]ether, ug/L (CAS NO - 111-44-4)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Bis[2-chloroisopropyl]ether, ug/L (CAS NO - 108-60-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Bis[2-ethylhexyl]phthalate, ug/L (CAS NO - 117-81-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Butyl benzyl phthalate, ug/L (CAS NO - 85-68-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Chlordane, ug/L (CAS NO - 57-74-9)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1.79	N/A	< 1.8
Chlorobenzilate, ug/L (CAS NO - 510-15-6)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Chloroprene, ug/L (CAS NO - 126-99-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	< 1
Chrysene, ug/L (CAS NO - 218-01-9)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott County Landfill - 82-SDP-03-77C - HMSP Wells

Other Constituents	Sample Date	MW-17 DNG	MW-19 DNG	MW-20 DNG	MW-21 DNG	MW-22 DNG	MW-27 DNG	MW-28 DNG	MW-30 DNG	OP-17 DNG
Cyanide, mg/L (CAS NO - 57-12-5)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.01	N/A	< 0.01
Diallate [cis or trans], ug/L (CAS NO - 2303-16-4)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Dibenz [a,h] anthracene, ug/L (CAS NO - 53-70-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Dibenzofuran, ug/L (CAS NO - 132-64-9)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Dichlorodifluoromethane, ug/L (CAS NO - 75-71-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 3	N/A	< 3
Dieldrin, ug/L (CAS NO - 60-57-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
Diethyl phthalate, ug/L (CAS NO - 84-66-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Dimethoate, ug/L (CAS NO - 60-51-5)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Dimethyl phthalate, ug/L (CAS NO - 131-11-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Dimethylaminoazobenzene, ug/L (CAS NO - 60-11-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Di-n-butyl phthalate, ug/L (CAS NO - 84-74-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Di-n-octyl phthalate, ug/L (CAS NO - 117-84-0)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 20.4	N/A	< 20.8
Dinoseb, ug/L (CAS NO - 88-85-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Diphenylamine, ug/L (CAS NO - 122-39-4)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Disulfoton, ug/L (CAS NO - 298-04-4)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Endosulfan I, ug/L (CAS NO - 959-98-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
Endosulfan II, ug/L (CAS NO - 33213-65-9)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
Endosulfan sulfate, ug/L (CAS NO - 1031-07-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
Endrin, ug/L (CAS NO - 72-20-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
Endrin aldehyde, ug/L (CAS NO - 7421-93-4)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
Ethyl Methacrylate, ug/L (CAS NO - 97-63-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 2	N/A	< 2
Ethyl Methanesulfonate, ug/L (CAS NO - 62-50-0)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Famphur, ug/L (CAS NO - 52-85-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Fluoranthene, ug/L (CAS NO - 206-44-0)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Fluorene, ug/L (CAS NO - 86-73-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Heptachlor, ug/L (CAS NO - 76-44-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
Heptachlor Epoxide, ug/L (CAS NO - 1024-57-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
Hexachlorobenzene, ug/L (CAS NO - 118-74-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Hexachlorobutadiene, ug/L (CAS NO - 87-68-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Hexachlorocyclopentadiene, ug/L (CAS NO - 77-47-4)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Hexachloroethane, ug/L (CAS NO - 67-72-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Hexachloropropene, ug/L (CAS NO - 1888-71-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Indeno [1,2,3-cd] pyrene, ug/L (CAS NO - 193-39-5)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Isobutanol, mg/L (CAS NO - 78-83-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	< 10
Isodrin, ug/L (CAS NO - 465-73-6)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Isophorone, ug/L (CAS NO - 78-59-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Isosafrole, ug/L (CAS NO - 120-58-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Kepone, ug/L (CAS NO - 143-50-0)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Methacrylonitrile, ug/L (CAS NO - 126-98-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	< 10
Methapyrilene, ug/L (CAS NO - 91-80-5)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Methoxychlor, ug/L (CAS NO - 72-43-5)	6/4/2025	N/A	< 0.09	N/A	N/A	N/A	N/A	< 0.0893	N/A	< 0.09
Methyl Methacrylate, ug/L (CAS NO - 80-62-6)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 2	N/A	< 2
Methyl Methanesulfonate, ug/L (CAS NO - 66-27-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Naphthalene, ug/L (CAS NO - 91-20-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 5	N/A	< 5
Nitrobenzene, ug/L (CAS NO - 98-95-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
N-Nitrosodiethylamine, ug/L (CAS NO - 55-18-5)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
N-Nitrosodimethylamine, ug/L (CAS NO - 62-75-9)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
N-Nitrosodi-n-butylamine, ug/L (CAS NO - 924-16-3)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
N-Nitrosodi-n-propylamine, ug/L (CAS NO - 621-64-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
N-Nitrosodiphenylamine, ug/L (CAS NO - 86-30-6)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
N-Nitrosomethylethylamine, ug/L (CAS NO - 10595-95-6)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
N-Nitrosopiperidine, ug/L (CAS NO - 100-75-4)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
N-Nitrosopyrrolidine, ug/L (CAS NO - 930-55-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
O,O,O-Triethyl Phosphorothioate, ug/L (CAS NO - 126-68-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
O-Toluidine, ug/L (CAS NO - 95-53-4)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Parathion-Ethyl, ug/L (CAS NO - 56-38-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Parathion-Methyl, ug/L (CAS NO - 298-00-0)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
PCB-1016, ug/L (CAS NO - 12674-11-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1.79	N/A	< 1.8
PCB-1221, ug/L (CAS NO - 11104-28-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1.79	N/A	< 1.8
PCB-1232, ug/L (CAS NO - 11141-16-5)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1.79	N/A	< 1.8
PCB-1242, ug/L (CAS NO - 53469-21-9)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1.79	N/A	< 1.8
PCB-1248, ug/L (CAS NO - 12672-29-6)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1.79	N/A	< 1.8
PCB-1254, ug/L (CAS NO - 11097-69-1)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1.79	N/A	< 1.8
PCB-1260, ug/L (CAS NO - 11096-82-5)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1.79	N/A	< 1.8
Pentachlorobenzene, ug/L (CAS NO - 608-93-5)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Pentachloronitrobenzene, ug/L (CAS NO - 82-68-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Pentachlorophenol [2C], ug/L (CAS NO - 87-86-5)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Phenacetin, ug/L (CAS NO - 62-44-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Phenanthrene, ug/L (CAS NO - 85-01-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Phenol, ug/L (CAS NO - 108-95-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Phorate, ug/L (CAS NO - 298-02-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Pronamide, ug/L (CAS NO - 23950-58-5)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Propionitrile, ug/L (CAS NO - 107-12-0)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10	N/A	< 10
Pyrene, ug/L (CAS NO - 129-00-0)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Safrole, ug/L (CAS NO - 94-59-7)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Sulfide, mg/L (CAS NO - 18496-25-8)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1	N/A	< 1

SCS ENGINEERS

Summary of Groundwater Chemistry

Scott County Landfill - 82-SDP-03-77C - HMSP Wells

Other Constituents	Sample Date	MW-17 DNG	MW-19 DNG	MW-20 DNG	MW-21 DNG	MW-22 DNG	MW-27 DNG	MW-28 DNG	MW-30 DNG	OP-17 DNG
Thionazin, ug/L (CAS NO - 297-97-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 10.2	N/A	< 10.4
Toxaphene, ug/L (CAS NO - 8001-35-2)	6/4/2025	N/A	N/A	N/A	N/A	N/A	N/A	< 1.79	N/A	< 1.8
Ammonia as N, mg/L (CAS NO - 7664-41-7)	6/4/2025	N/A	0.561	N/A	N/A	N/A	1.03	N/A	N/A	< 0.5
	12/3/2025	N/A	1.38	N/A	N/A	N/A	2.91	N/A	N/A	< 0.5
Bicarbonate, mg/L (CAS NO - BICARB)	6/4/2025	N/A	620	N/A	N/A	N/A	1030	N/A	N/A	975
	12/3/2025	N/A	542	N/A	N/A	N/A	1060	N/A	N/A	1050
Calcium, mg/L (CAS NO - 7440-70-2)	6/4/2025	N/A	171	N/A	N/A	N/A	297	N/A	N/A	266
	12/3/2025	N/A	122	N/A	N/A	N/A	256	N/A	N/A	221
Carbonate, mg/L (CAS NO - CARB)	6/4/2025	N/A	< 5	N/A	N/A	N/A	< 5	N/A	N/A	< 5
	12/3/2025	N/A	< 5	N/A	N/A	N/A	< 5	N/A	N/A	< 5
Chloride, mg/L (CAS NO - 16887-00-6)	6/4/2025	N/A	36.2	N/A	N/A	N/A	13.4	N/A	N/A	256
	12/3/2025	N/A	24.9	N/A	N/A	N/A	13.4	N/A	N/A	265
Iron, Total, mg/L (CAS NO - 7439-89-6)	6/4/2025	N/A	8.55	N/A	N/A	N/A	15.4	N/A	N/A	60.2
	12/3/2025	N/A	7.77	N/A	N/A	N/A	5.99	N/A	N/A	22.1
Magnesium, mg/L (CAS NO - 7439-95-4)	6/4/2025	N/A	80.6	N/A	N/A	N/A	135	N/A	N/A	139
	12/3/2025	N/A	57.3	N/A	N/A	N/A	127	N/A	N/A	128
Manganese, mg/L (CAS NO - 7439-96-5)	6/4/2025	N/A	4.2	N/A	N/A	N/A	3.81	N/A	N/A	3.37
	12/3/2025	N/A	2.43	N/A	N/A	N/A	3.79	N/A	N/A	1.76
Nitrate (NO3), mg/L (CAS NO - 14797-55-8)	6/4/2025	N/A	< 0.1	N/A	N/A	N/A	< 0.1	N/A	N/A	< 0.1
	12/3/2025	N/A	< 0.2	N/A	N/A	N/A	2.65	N/A	N/A	< 0.2
Potassium, mg/L (CAS NO - 7440-09-7)	6/4/2025	N/A	1.72	N/A	N/A	N/A	1.46	N/A	N/A	0.572
	12/3/2025	N/A	2.58	N/A	N/A	N/A	0.928	N/A	N/A	0.588
Sodium, mg/L (CAS NO - 7440-23-5)	6/4/2025	N/A	35.2	N/A	N/A	N/A	25.7	N/A	N/A	199
	12/3/2025	N/A	40.7	N/A	N/A	N/A	24.4	N/A	N/A	178
Sulfate, mg/L (CAS NO - 14808-79-8)	6/4/2025	N/A	172	N/A	N/A	N/A	216	N/A	N/A	219
	12/3/2025	N/A	153	N/A	N/A	N/A	148	N/A	N/A	86.2
Total Organic Carbon, mg/L (CAS NO - TOC)	6/4/2025	N/A	3.4	N/A	N/A	N/A	6.32	N/A	N/A	7.06
	12/3/2025	N/A	3.27	N/A	N/A	N/A	4.55	N/A	N/A	16.3

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.

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 associated with the closed Scott County municipal solid waste landfill unit (SCL MSWLF unit) at the Waste Commission of Scott County's landfill complex.

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 ($\frac{1}{2}$) 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 $n < 20$ is evaluated with the Dixon's outlier test.
- A parametric dataset with $n \geq 20$ is evaluated with the Rosner's outlier test.
- A non-parametric dataset is 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 $\geq$ 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 $\geq$ the PQL:
 - o If $\geq 50\%$ of the background dataset has detections $\geq$ the method detection limit (MDL), any value $\geq$ two times the PQL of background is considered an outlier.
 - o If $< 50\%$ of the background dataset has detections $\geq$ the MDL, any value $\geq$ the PQL of background is considered an outlier.
- Two or more detections $\geq$ the PQL:
 - o If $\geq 50\%$ of the background dataset has detections $\geq$ the MDL, any value $\geq$ three times the PQL of background is considered an outlier.
 - o If $< 50\%$ of the background dataset has detections $\geq$ the MDL, any value $\geq$ 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 located in the 2024 Annual Water Quality Report, dated January 29, 2025 (Doc #112095).

Detection Monitoring Statistical Program

The detection monitoring statistical program for the SCL MSWLF unit is defined by Iowa Administrative Code (IAC) 567-113.2(5)"e", which states that the statistical evaluation of the analytical results from the downgradient groundwater monitoring wells should consist of a comparison to control limits of two standard deviations above (either above or below for pH) the means of the parameters listed in IAC 567-113.2(5)"d"(1) and (2) in a corresponding upgradient groundwater monitoring well. If the concentrations of the applicable parameters measured in the downgradient monitoring points are above (either above or below for pH) the control limit, then the monitoring point is 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 evaluation is 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.

If 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.

Expanded Background

Beginning during the 2nd 2025 statistical evaluation, historical background from monitoring wells MW-32, MW-107, and MW-114, plus intrawell background from detection monitoring wells MW-41, MW-42, MW-43, MW-48, MW-117, OP-14, and OP-19, were pooled to create the background dataset for the calculation of prediction limits. Every two years, the historical data will be compared with new data from monitoring wells MW-107 and MW-114, and with new data added to the background

datasets for detection monitoring wells MW-41, MW-42, MW-43, MW-48, MW-117, OP-14, and OP-19, using the process below.

The 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 background will not be updated.

- 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 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 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 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 data will be added to the background dataset.
- Establish prediction limits based on the updated background dataset.

The process will repeat every two years and be reported in the Annual Water Quality Reports.

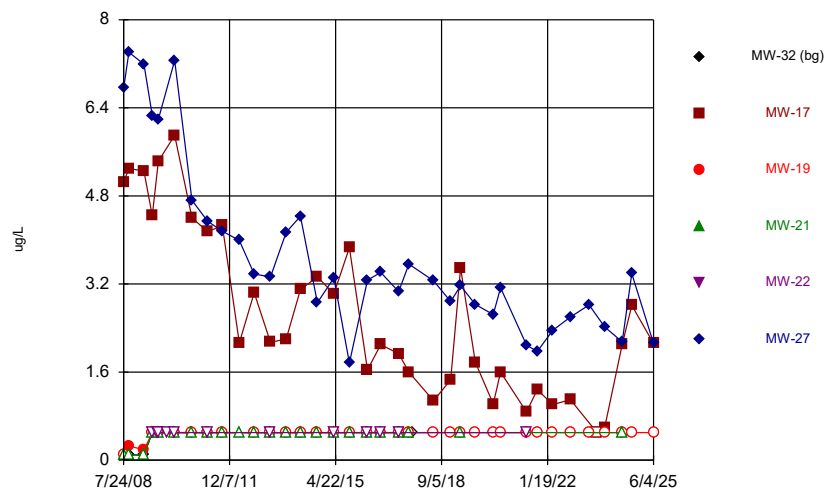
Statistical Software Output

Sanitas™ statistical software was used to perform the statistical evaluations. Attachments A and B of this appendix include the statistical outputs for the 1st and 2nd 2025 statistical evaluations.

Attachment A
1st 2025 Statistical Evaluation Output

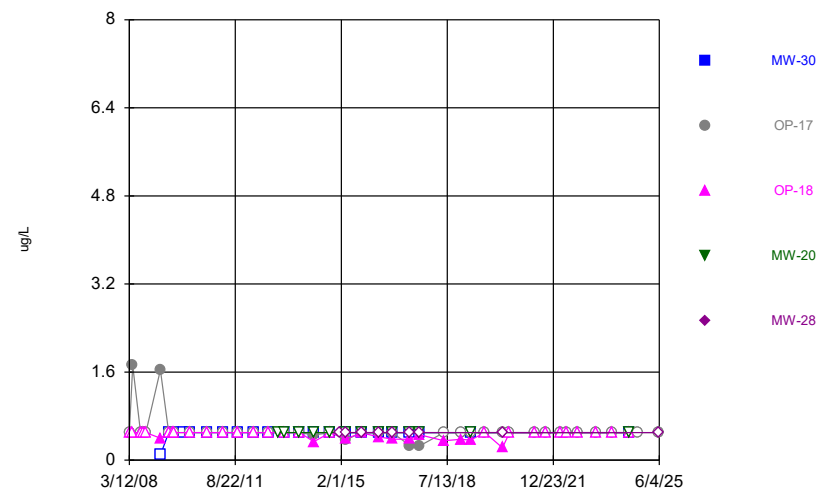
Time Series Plots

Time Series



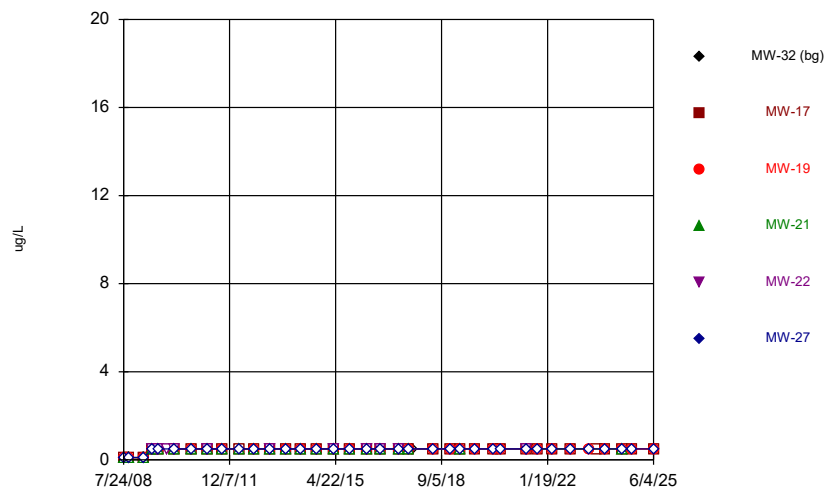
Constituent: 1,1-Dichloroethane Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



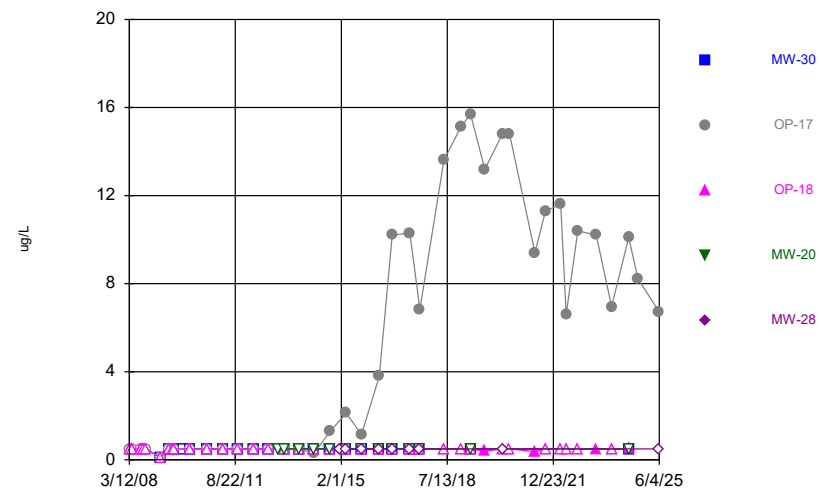
Constituent: 1,1-Dichloroethane Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



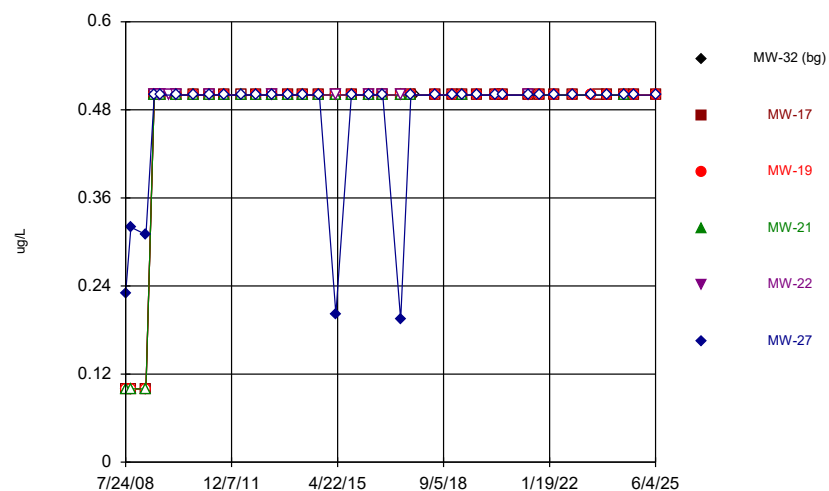
Constituent: 1,2-Dichlorobenzene Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



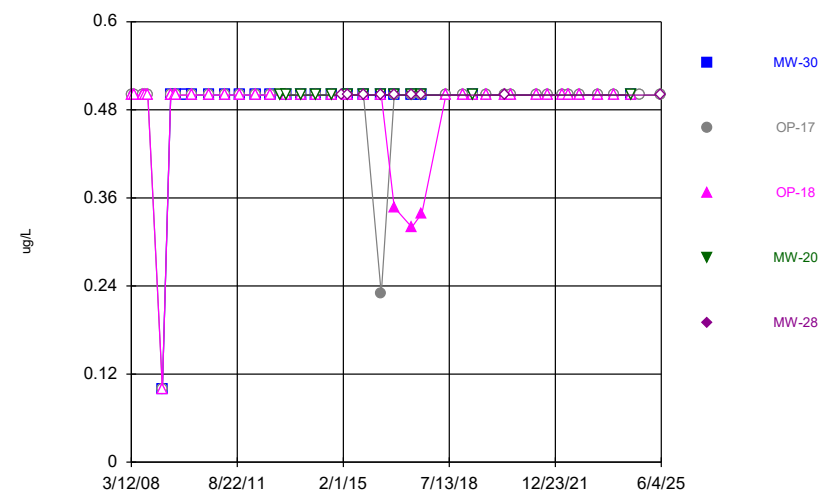
Constituent: 1,2-Dichlorobenzene Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



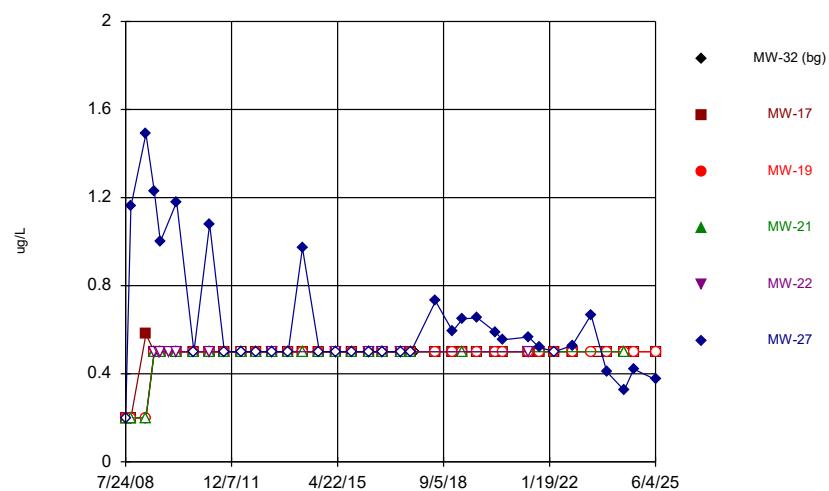
Constituent: 1,2-Dichloroethane Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



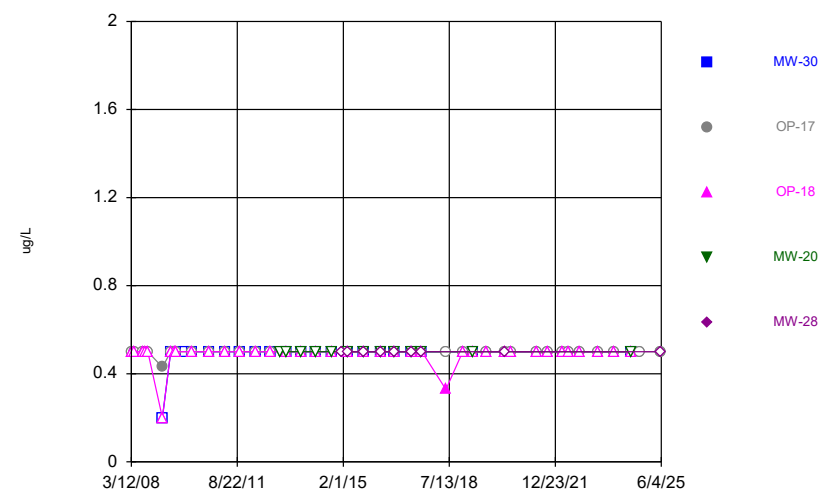
Constituent: 1,2-Dichloroethane Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



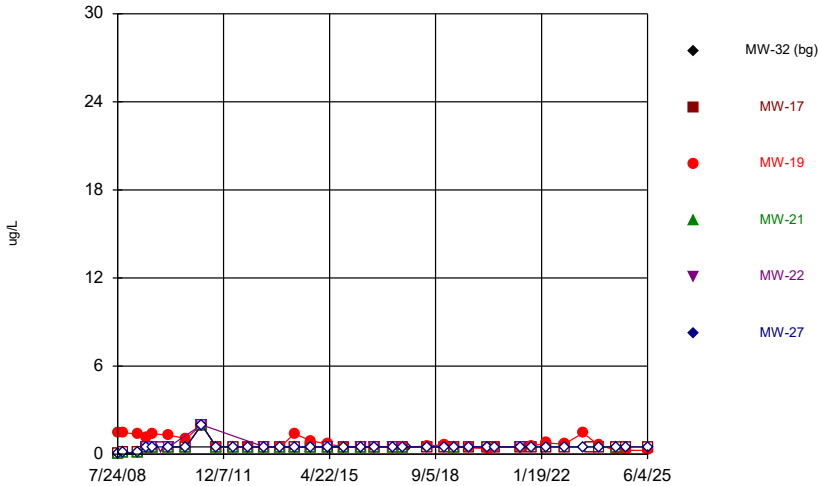
Constituent: 1,2-Dichloropropane Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



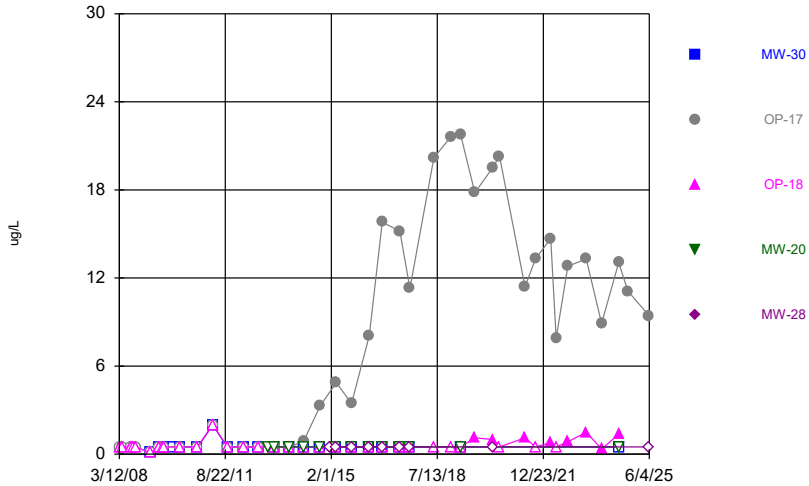
Constituent: 1,2-Dichloropropane Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



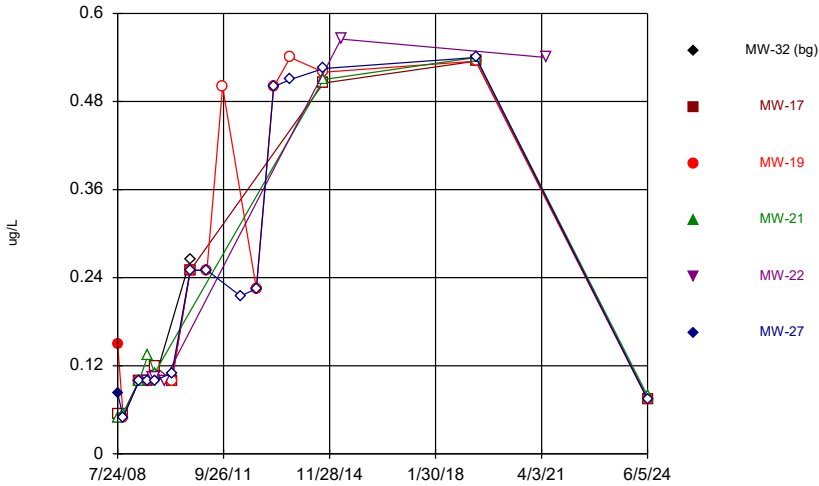
Constituent: 1,4-Dichlorobenzene Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



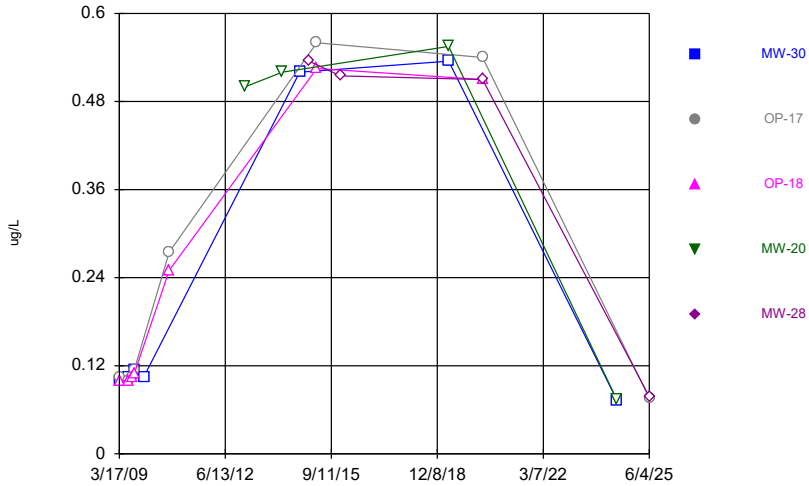
Constituent: 1,4-Dichlorobenzene Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



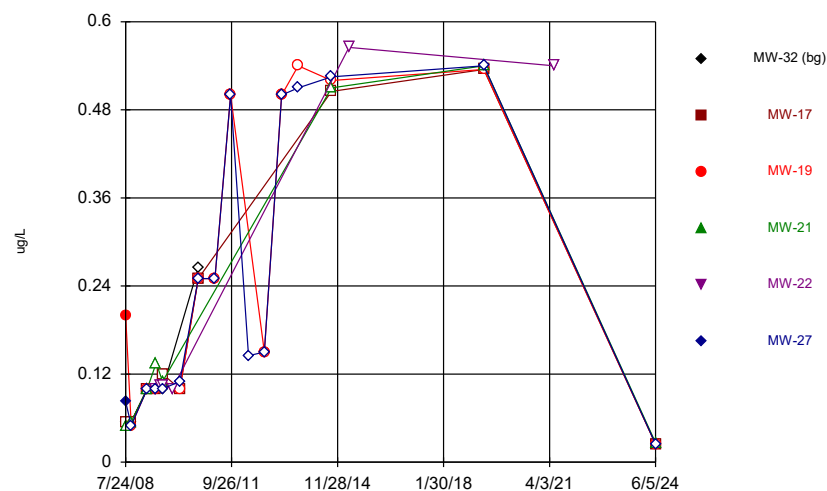
Constituent: 2,4,5-T [2C] Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



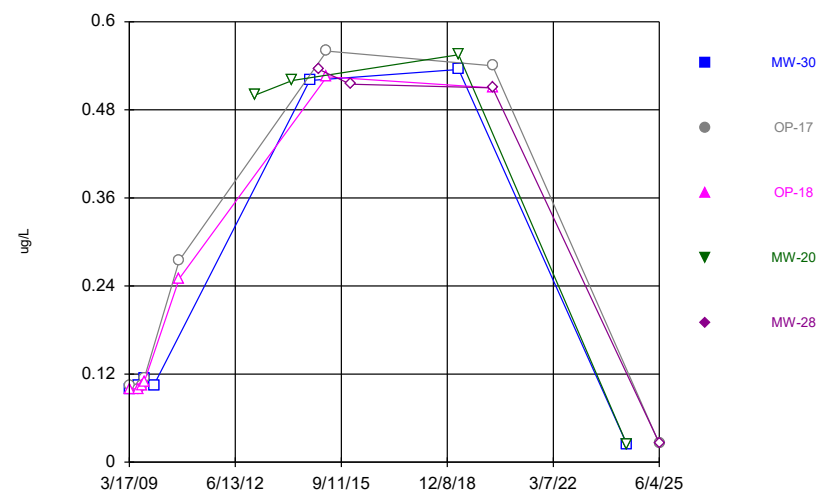
Constituent: 2,4,5-T [2C] Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



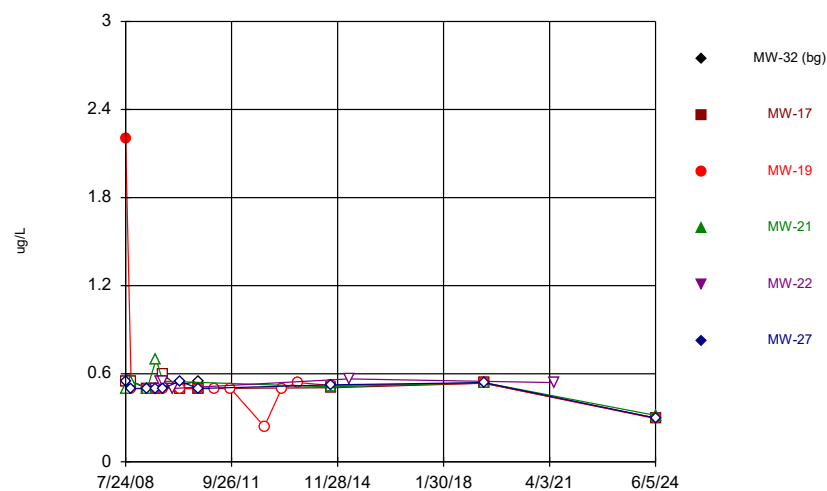
Constituent: 2,4,5-TP [Silvex] [2C] Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



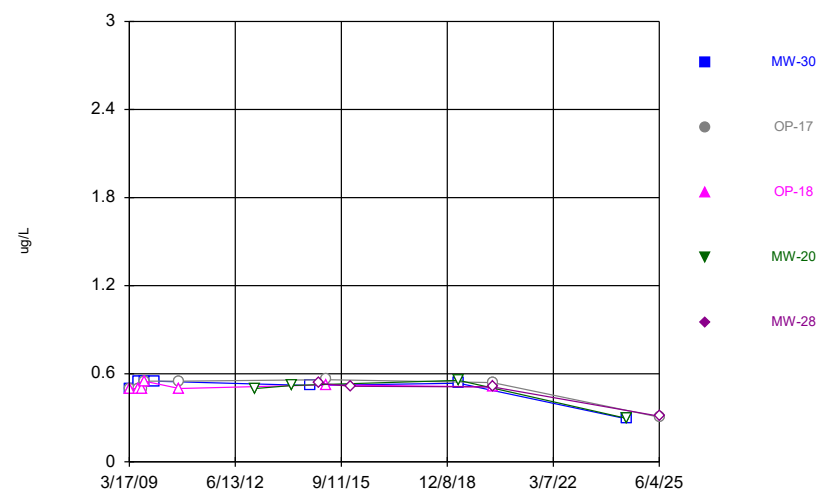
Constituent: 2,4,5-TP [Silvex] [2C] Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



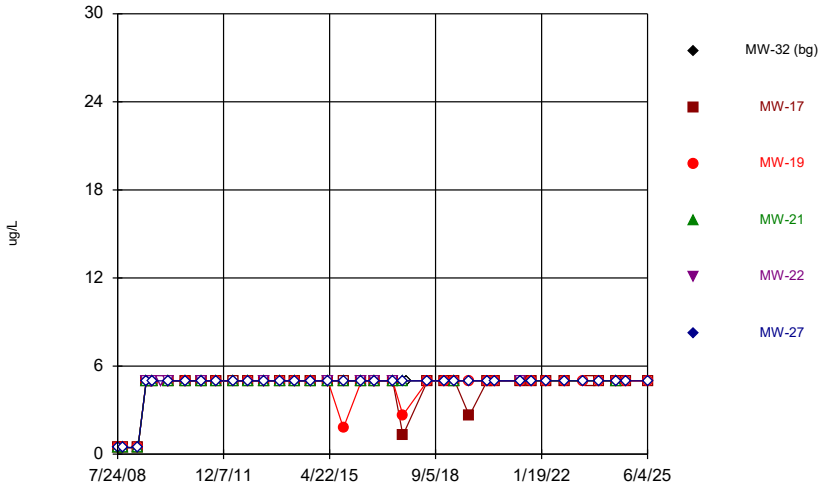
Constituent: 2,4-D [2C] Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



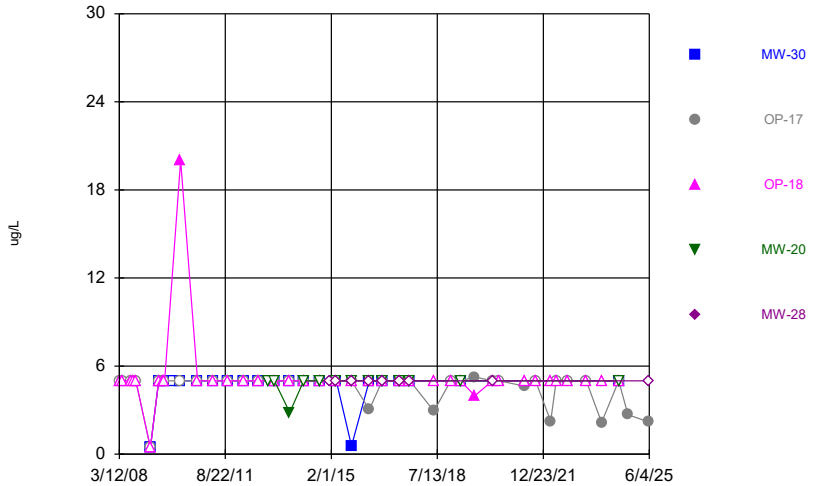
Constituent: 2,4-D [2C] Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



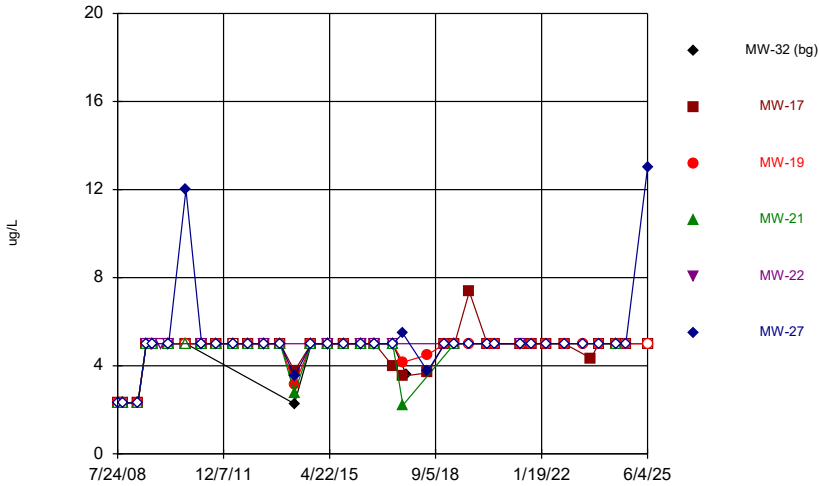
Constituent: 2-Butanone Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



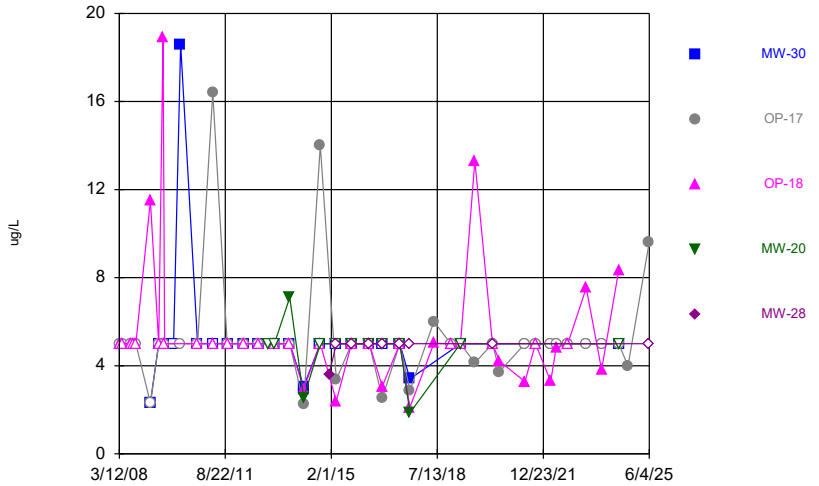
Constituent: 2-Butanone Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



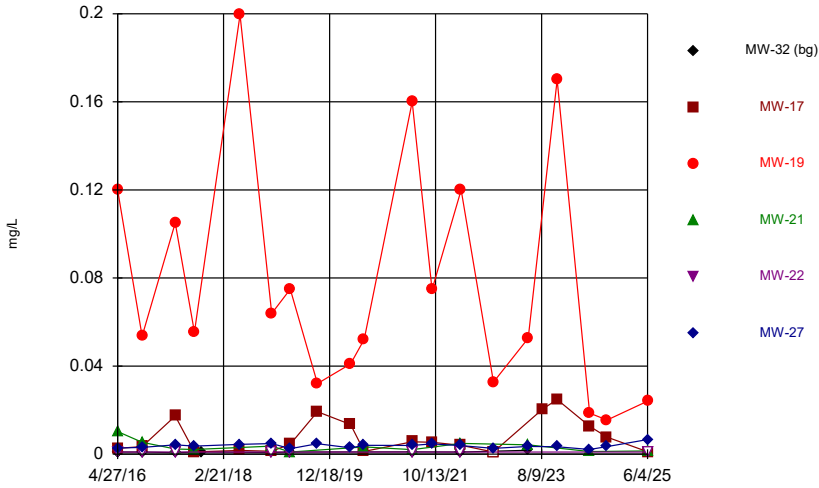
Constituent: Acetone Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



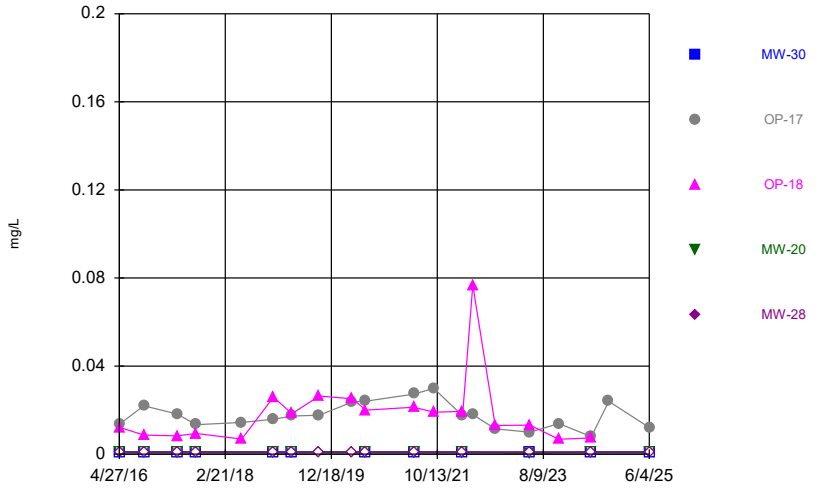
Constituent: Acetone Analysis Run 9/9/2025 2:13 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



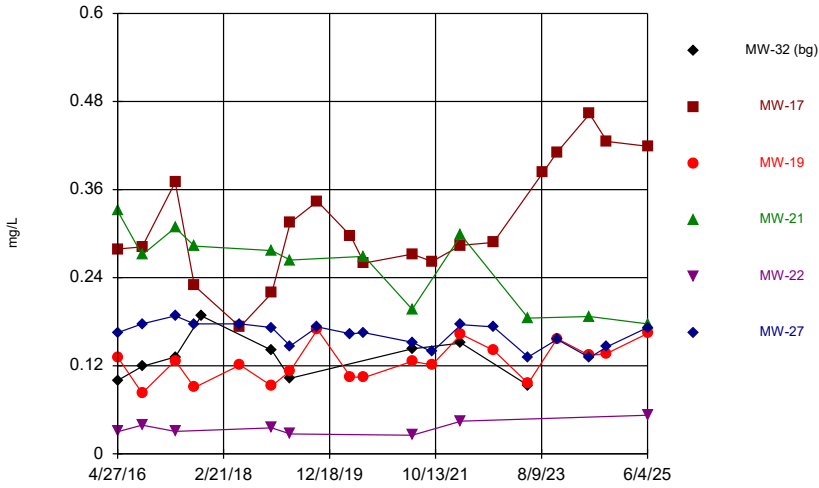
Constituent: Arsenic Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



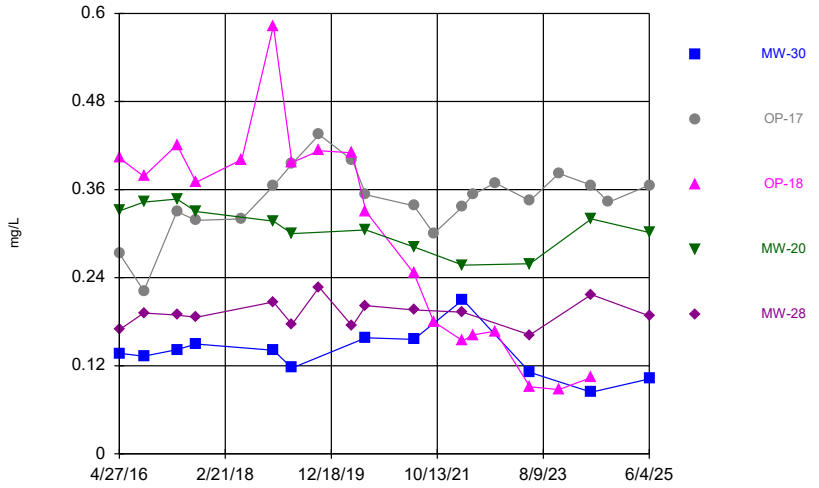
Constituent: Arsenic Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



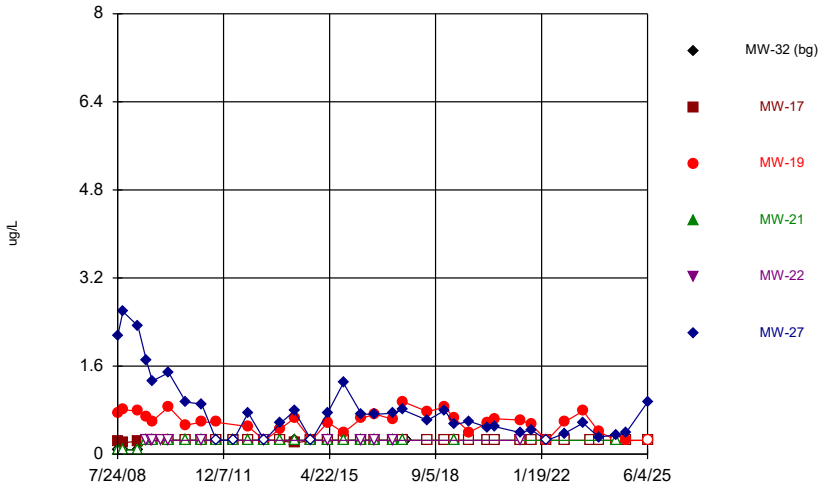
Constituent: Barium Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



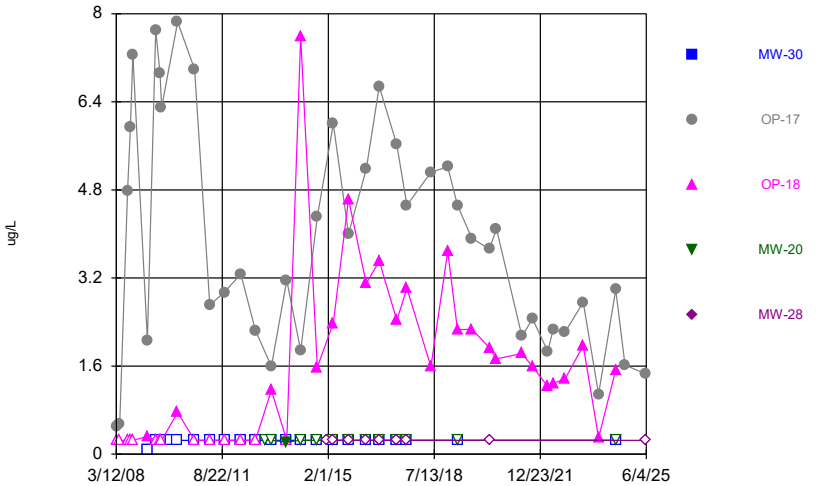
Constituent: Barium Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



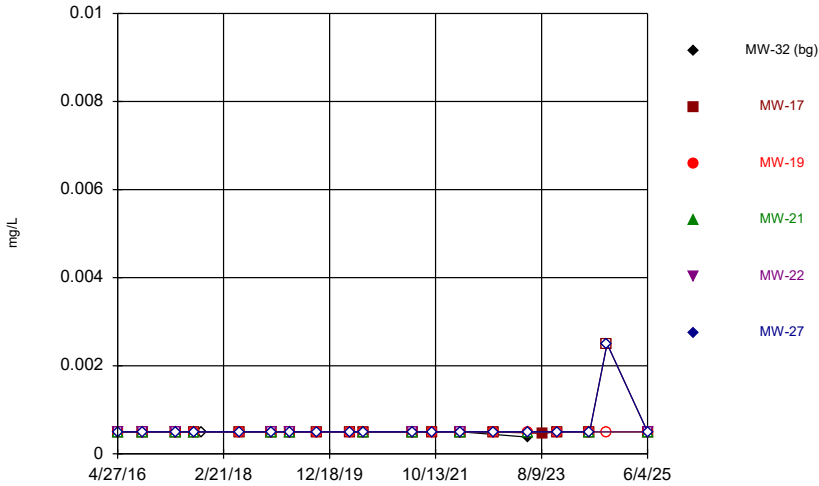
Constituent: Benzene Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



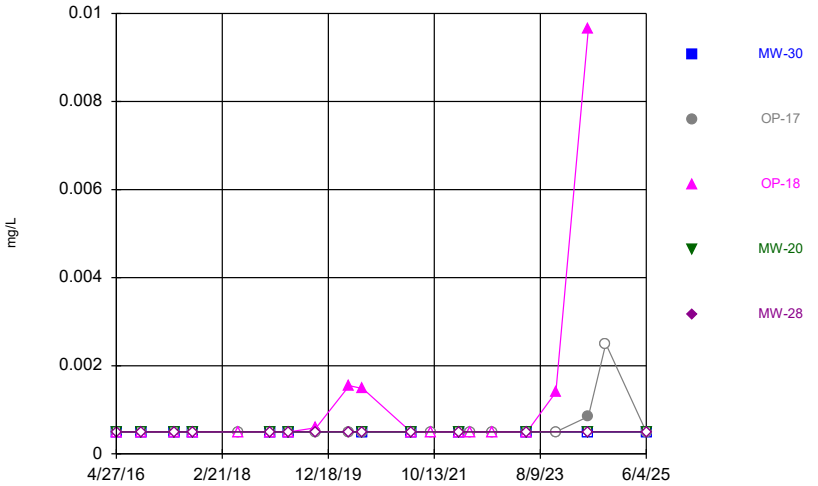
Constituent: Benzene Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



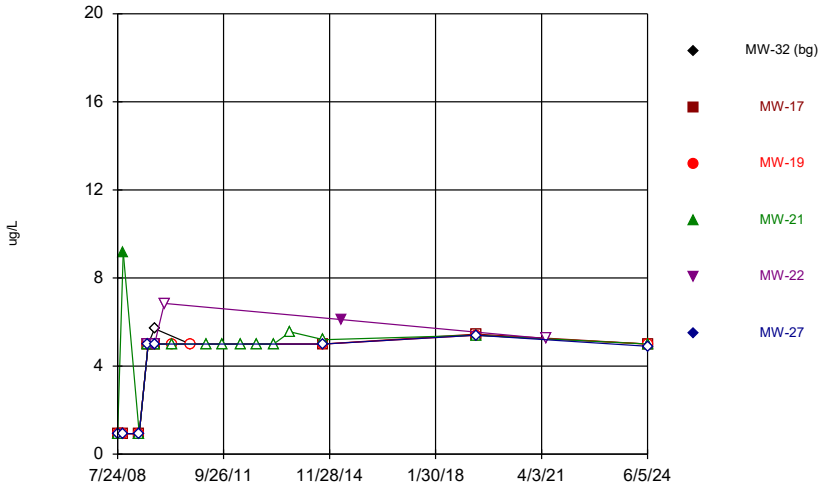
Constituent: Beryllium Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



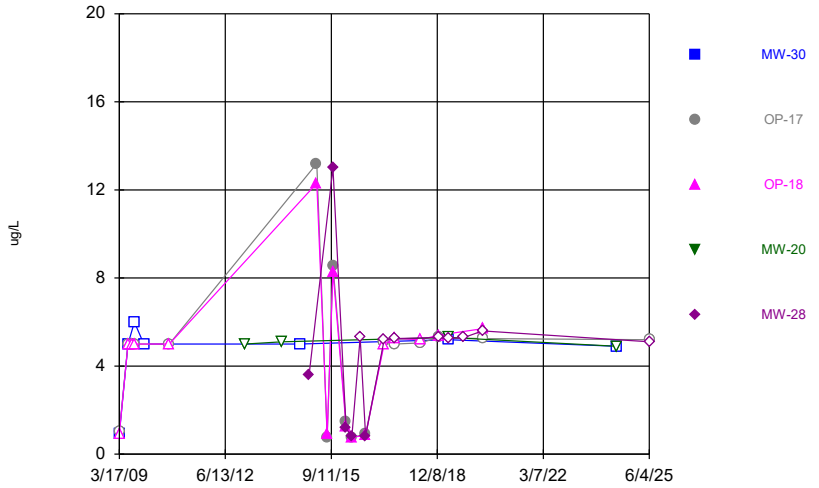
Constituent: Beryllium Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



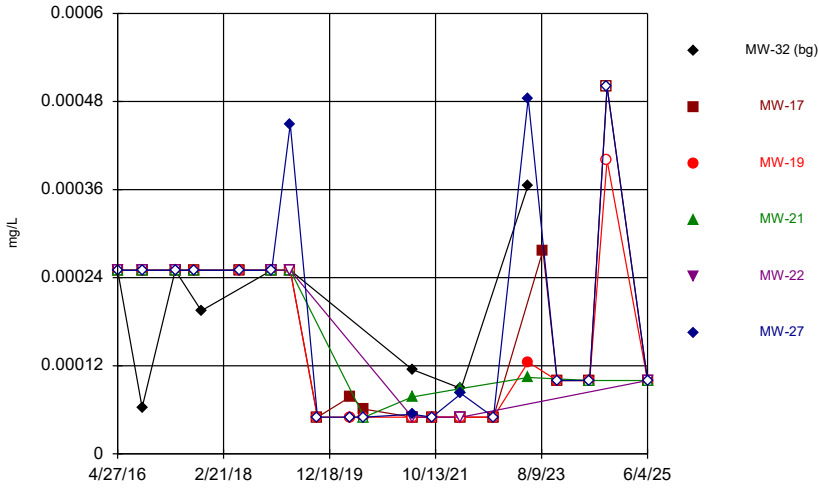
Constituent: Bis[2-ethylhexyl]phthalate Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



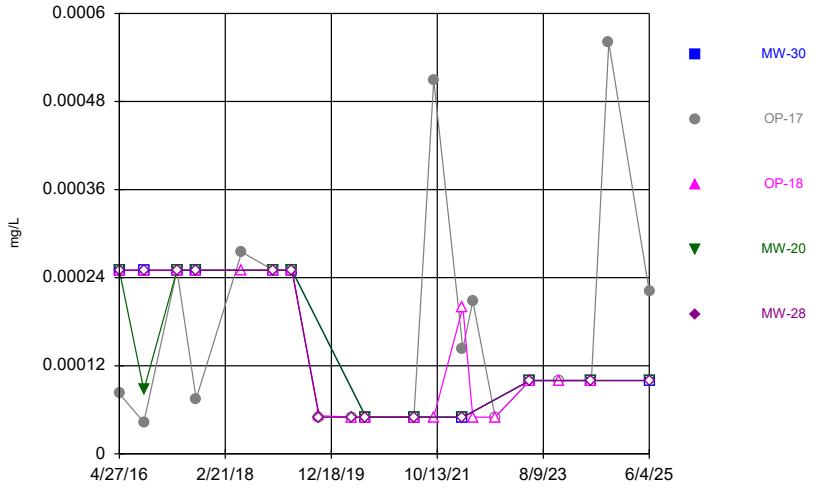
Constituent: Bis[2-ethylhexyl]phthalate Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



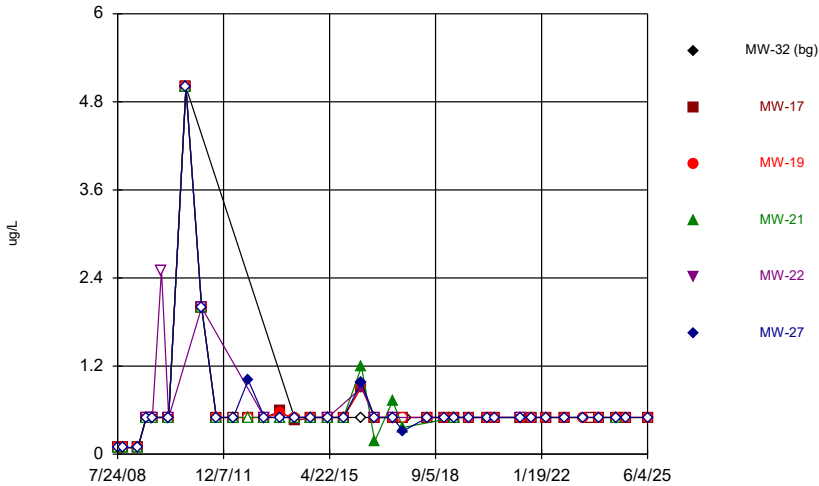
Constituent: Cadmium Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



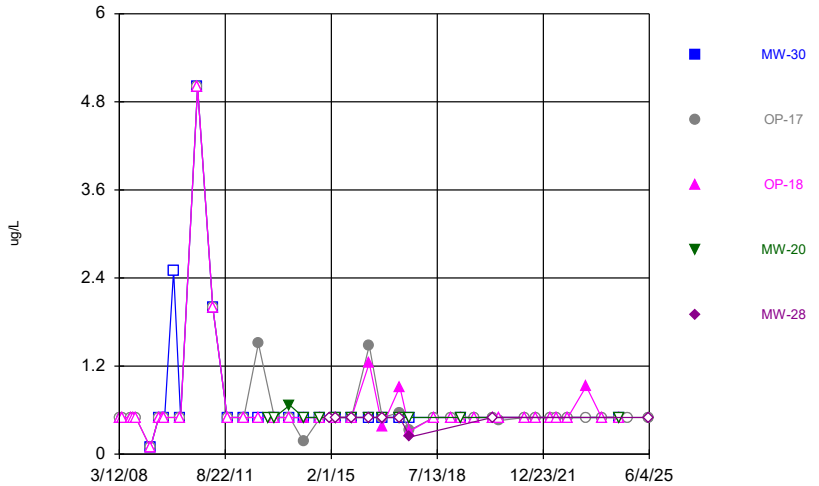
Constituent: Cadmium Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



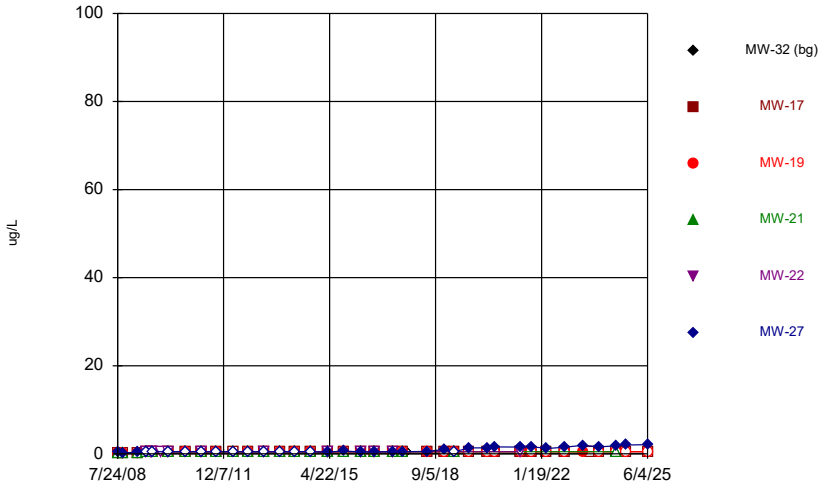
Constituent: Carbon disulfide Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



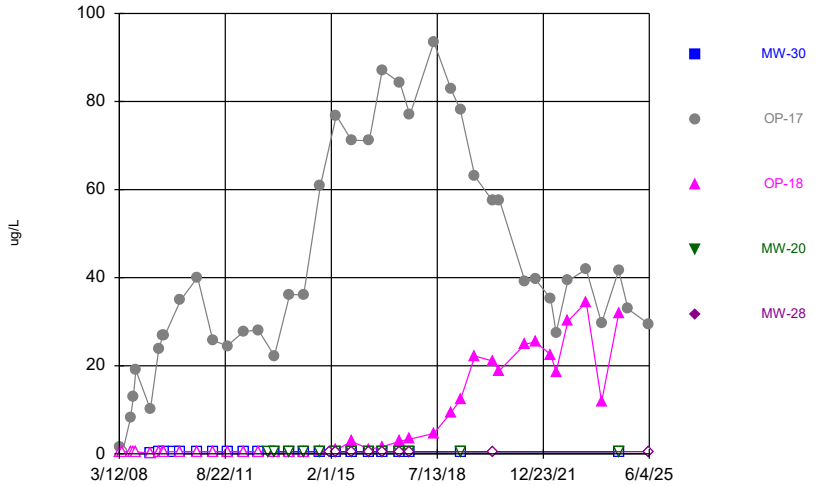
Constituent: Carbon disulfide Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



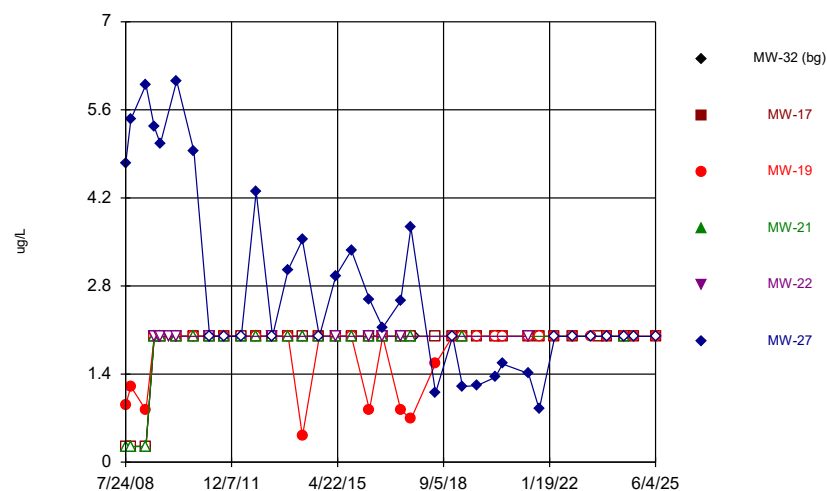
Constituent: Chlorobenzene Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series

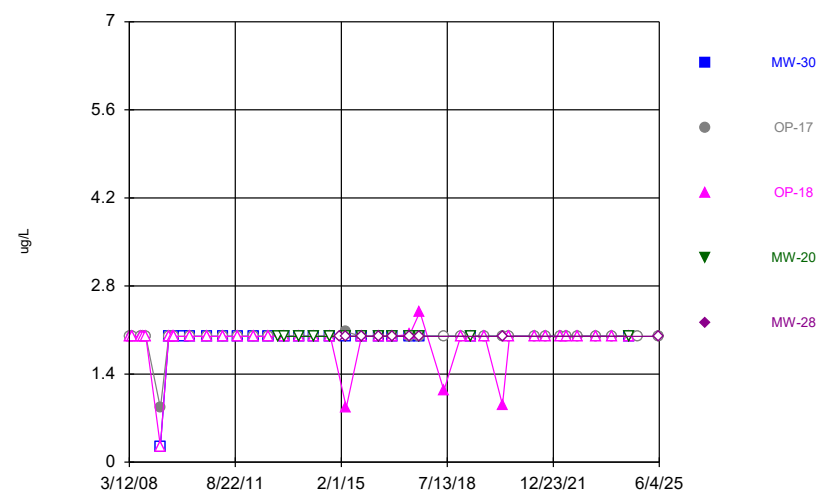


Constituent: Chlorobenzene Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

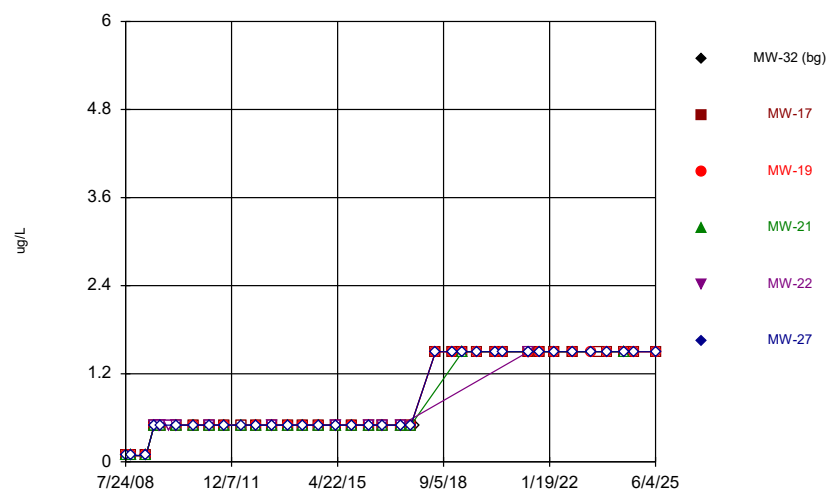
Time Series



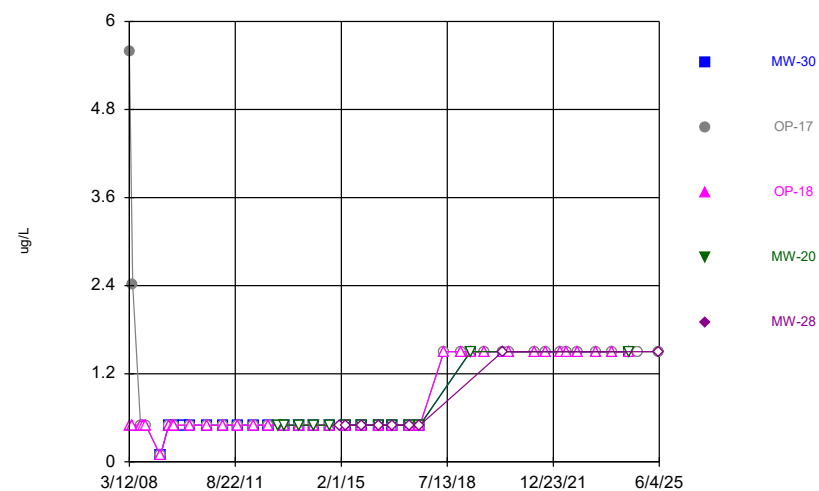
Time Series



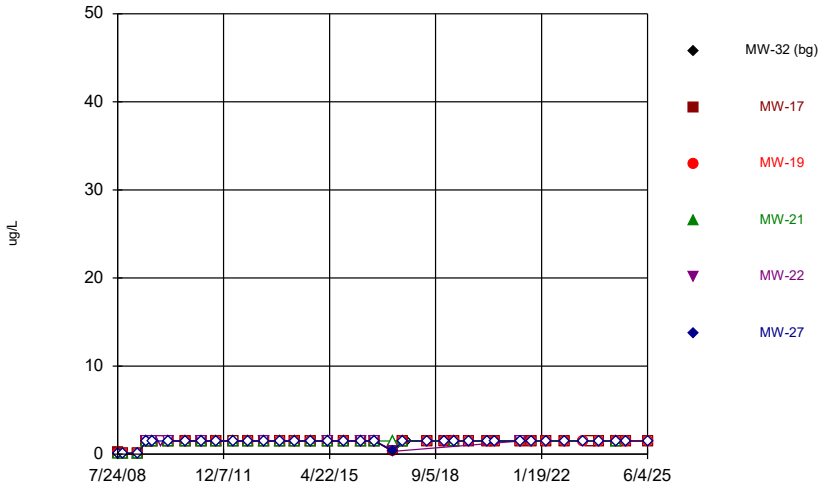
Time Series



Time Series

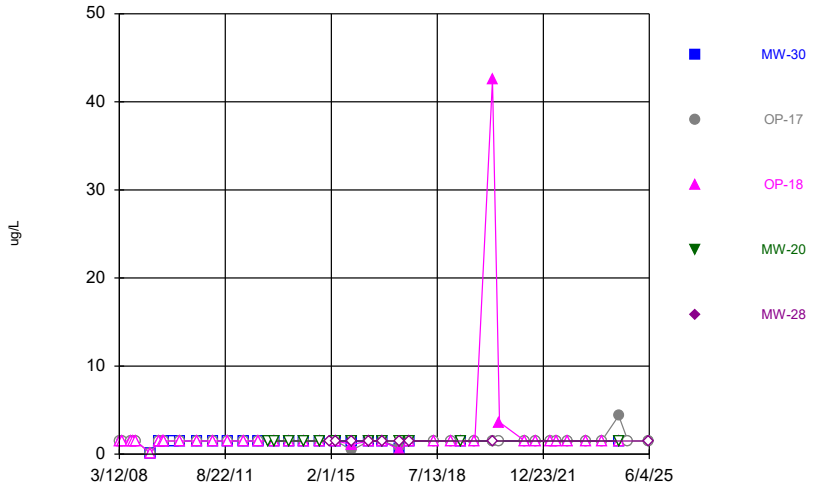


Time Series



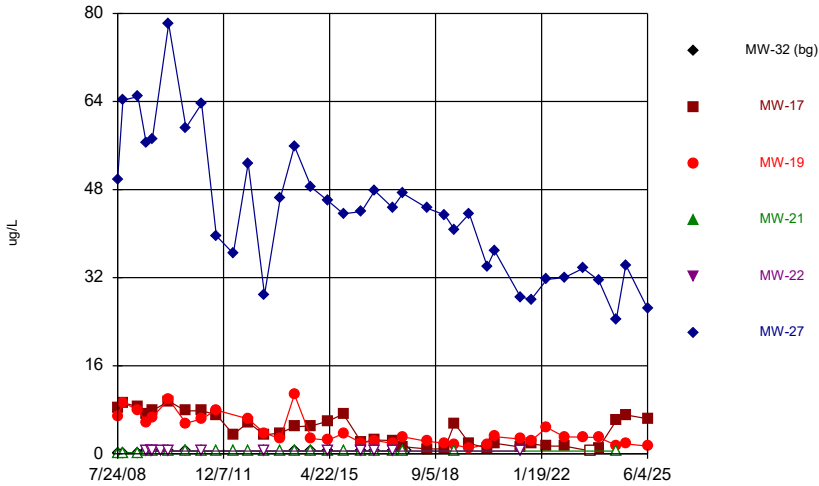
Constituent: Chloromethane Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



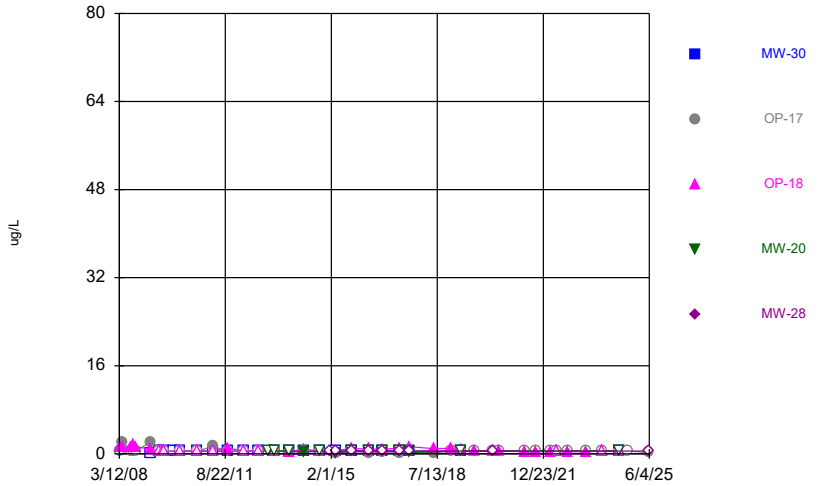
Constituent: Chloromethane Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



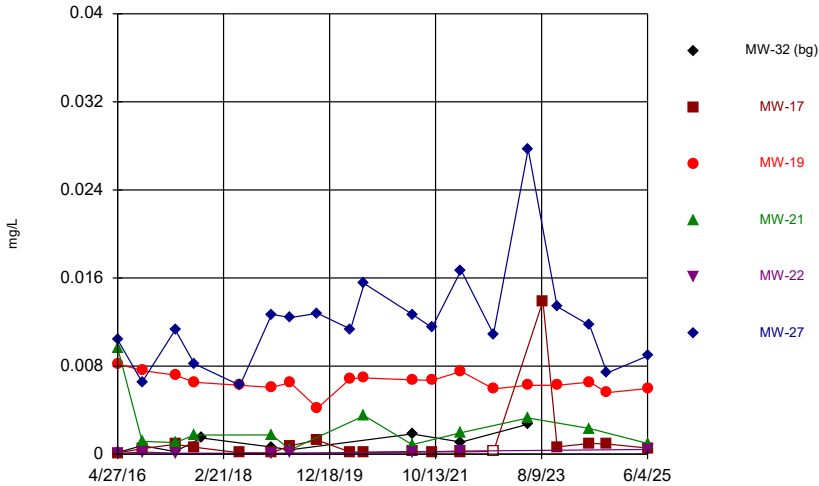
Constituent: cis-1,2-Dichloroethene Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series

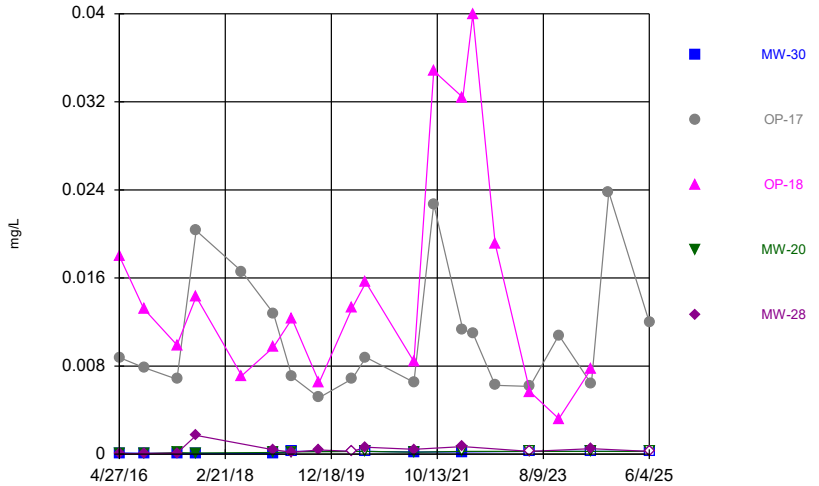


Constituent: cis-1,2-Dichloroethene Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

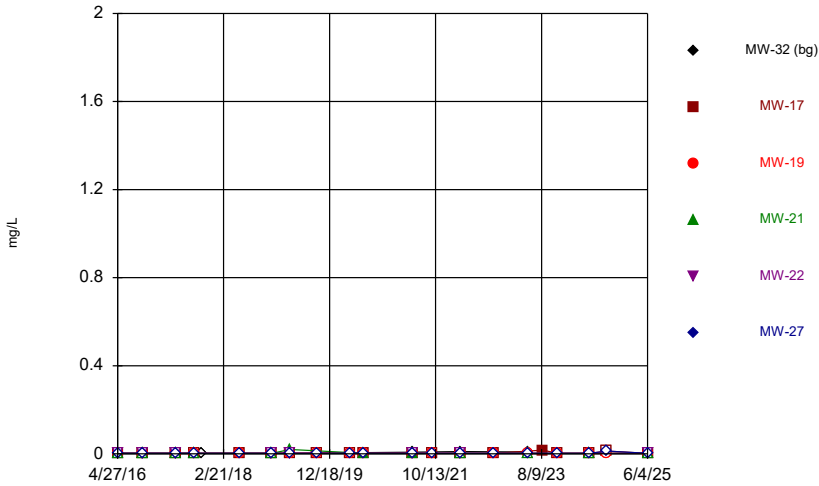
Time Series



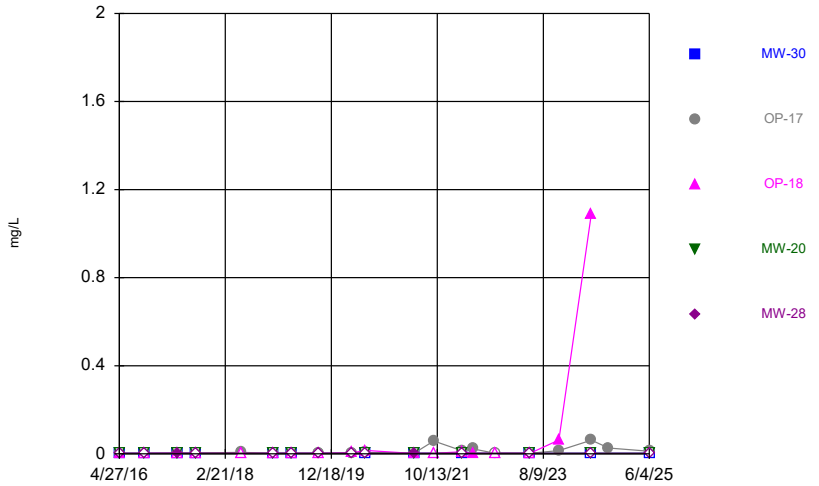
Time Series



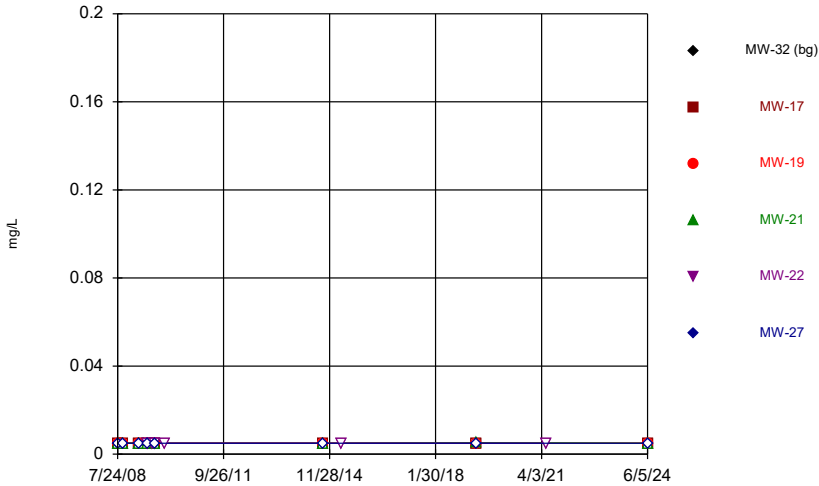
Time Series



Time Series

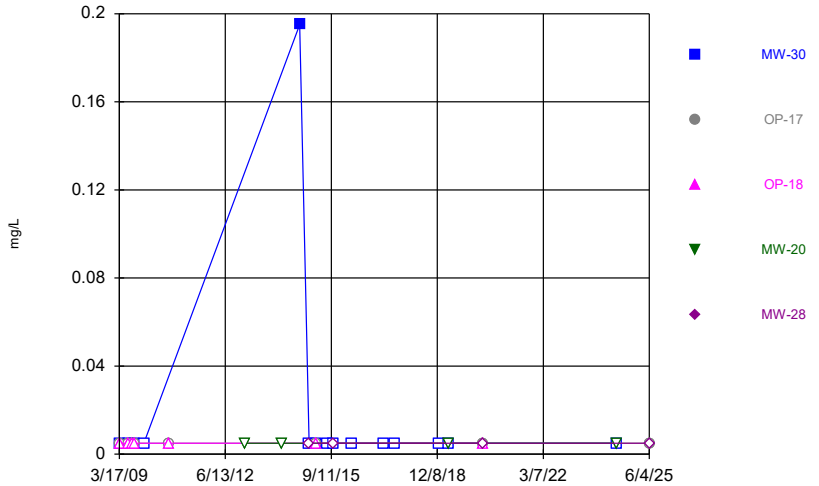


Time Series



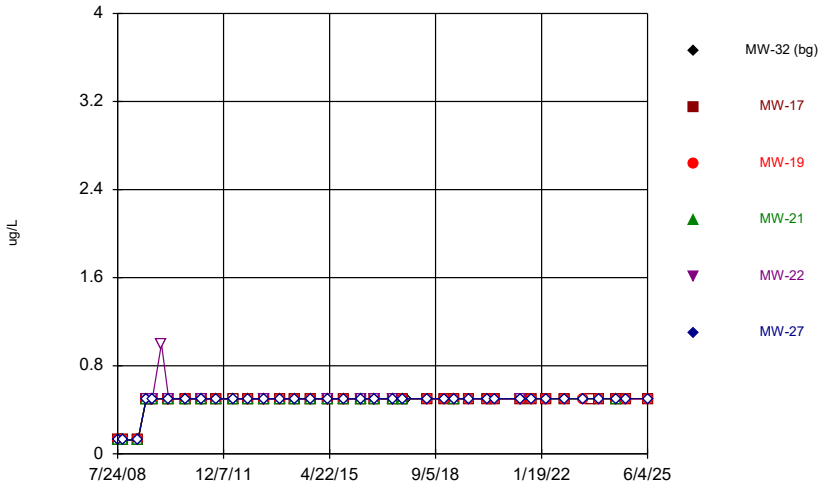
Constituent: Cyanide Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



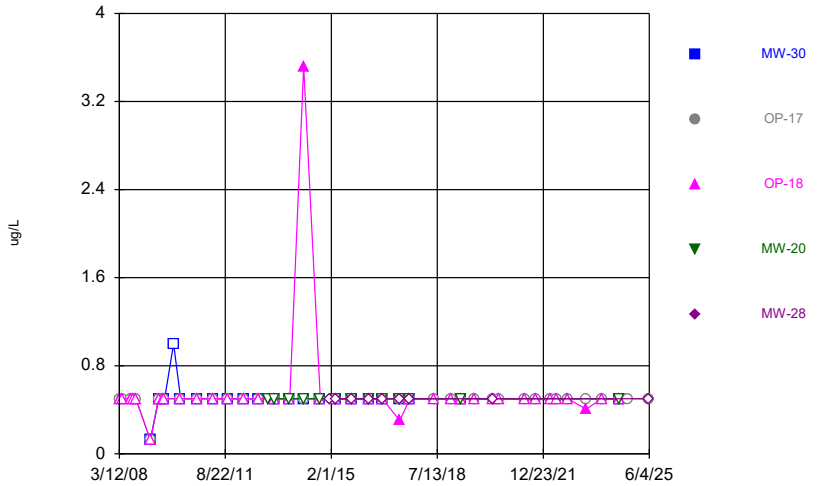
Constituent: Cyanide Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



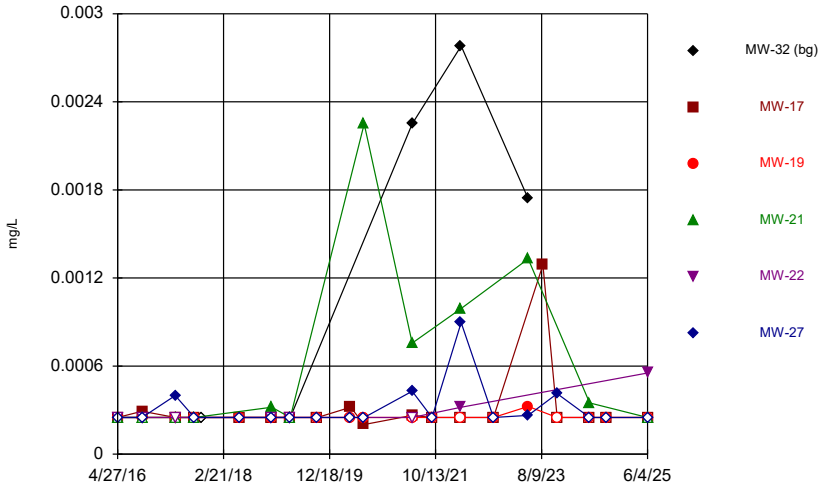
Constituent: Ethylbenzene Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



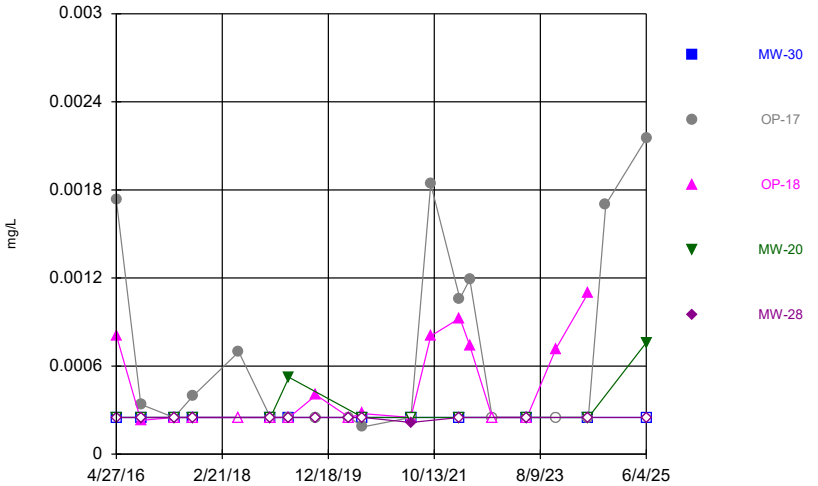
Constituent: Ethylbenzene Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



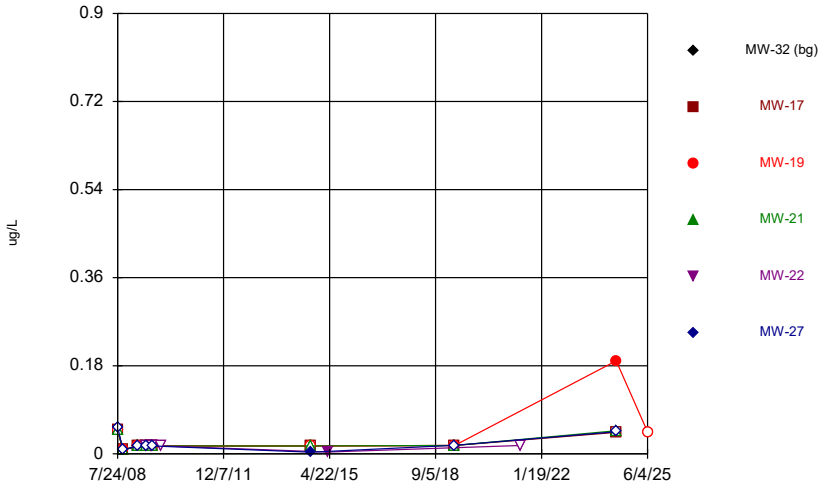
Constituent: Lead Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



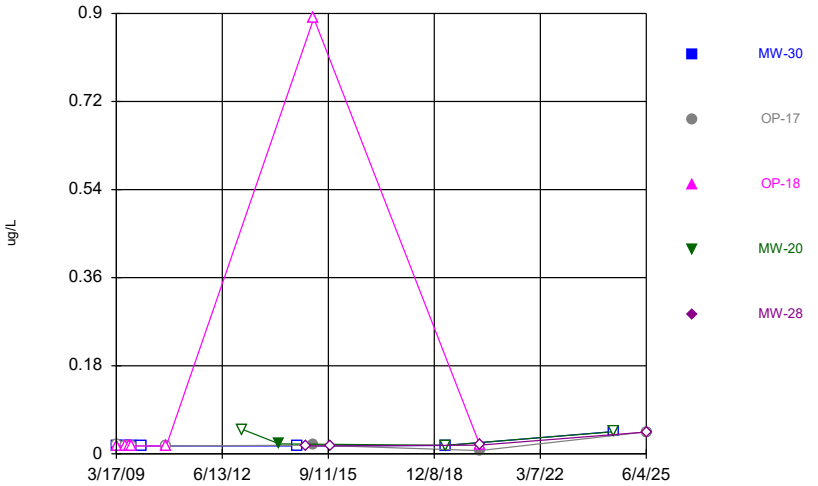
Constituent: Lead Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



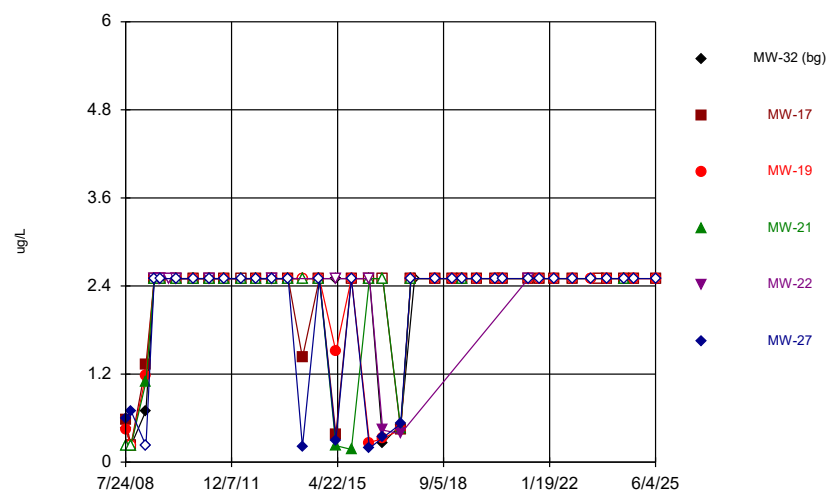
Constituent: Methoxychlor Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series

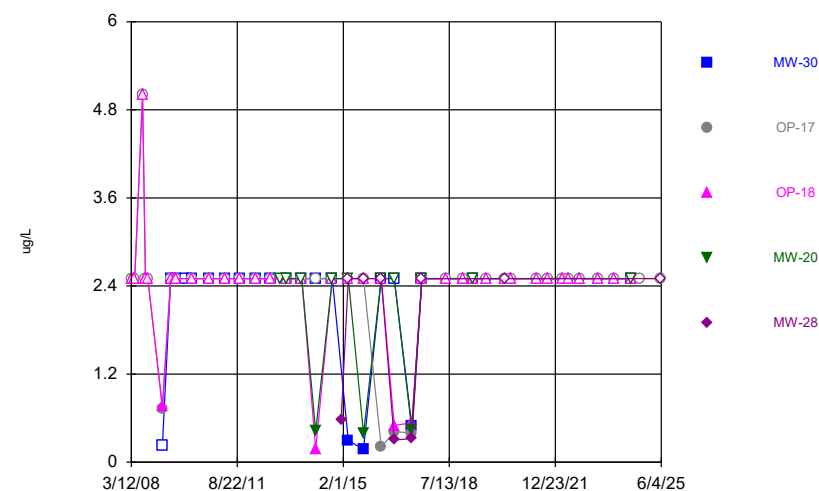


Constituent: Methoxychlor Analysis Run 9/9/2025 2:14 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

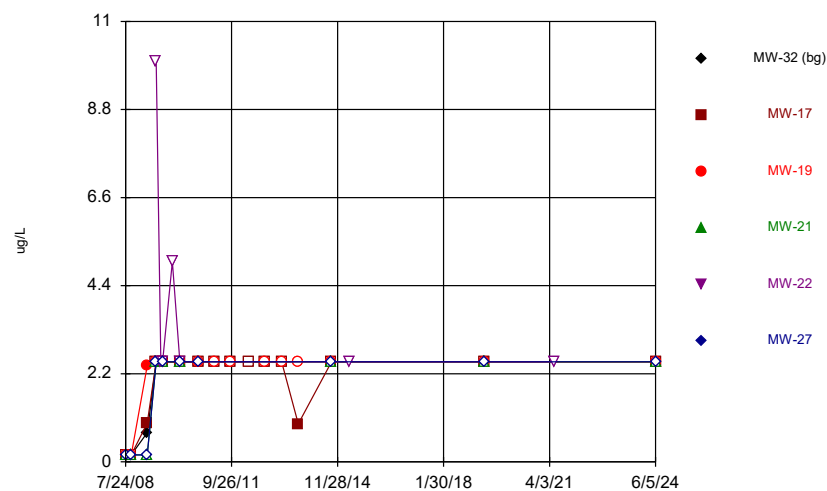
Time Series



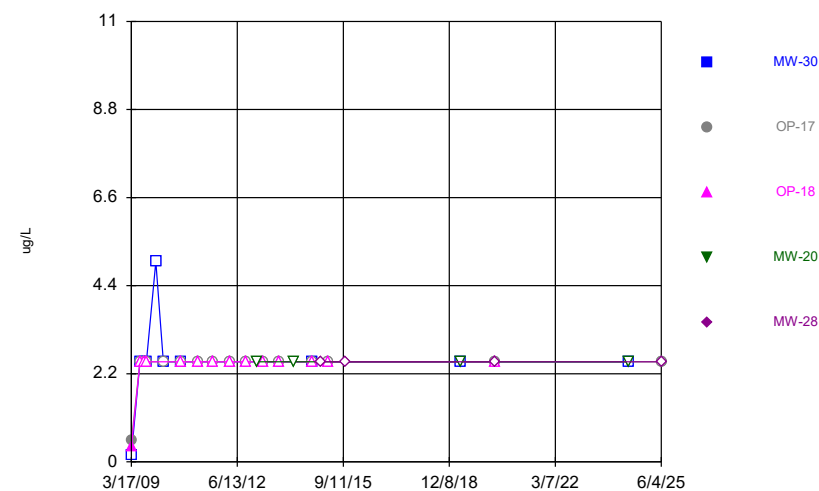
Time Series



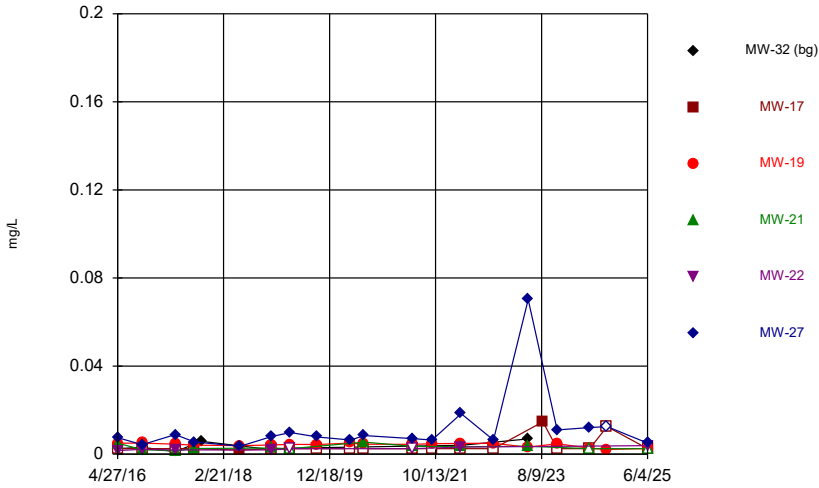
Time Series



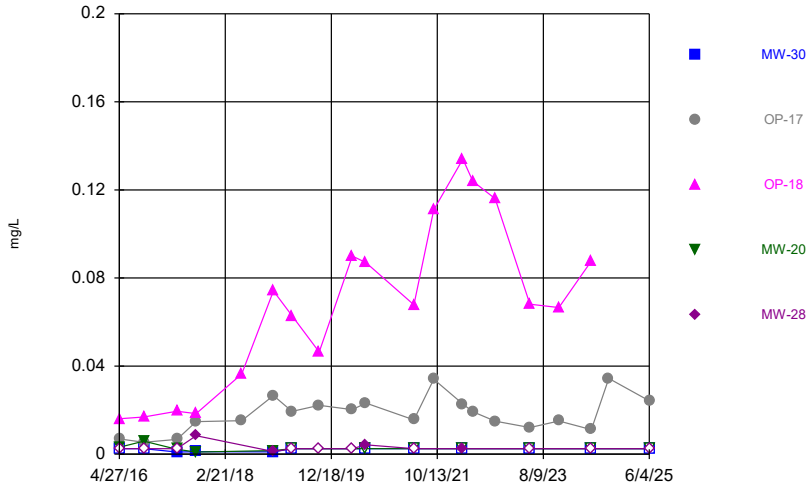
Time Series



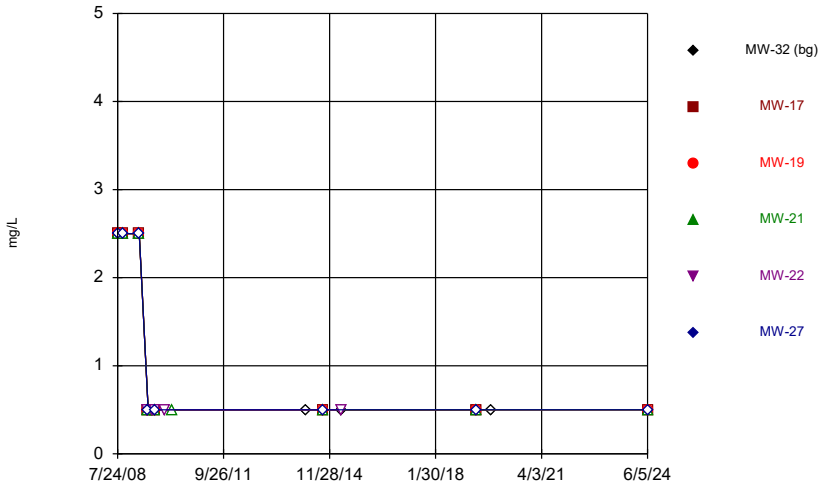
Time Series



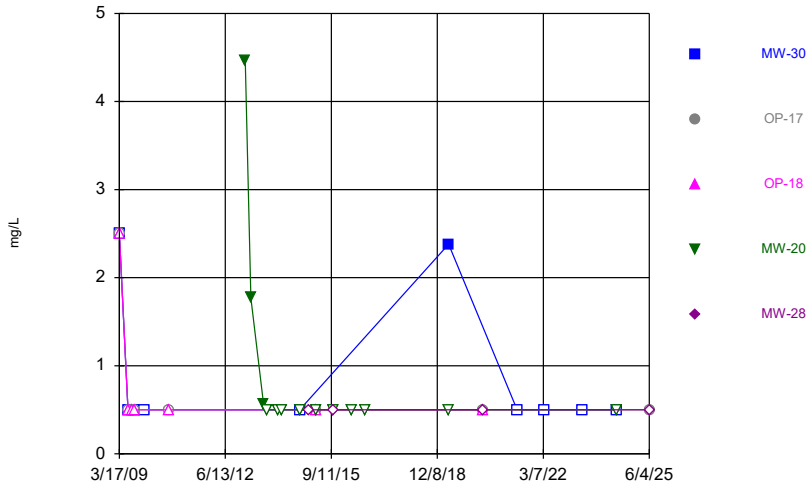
Time Series



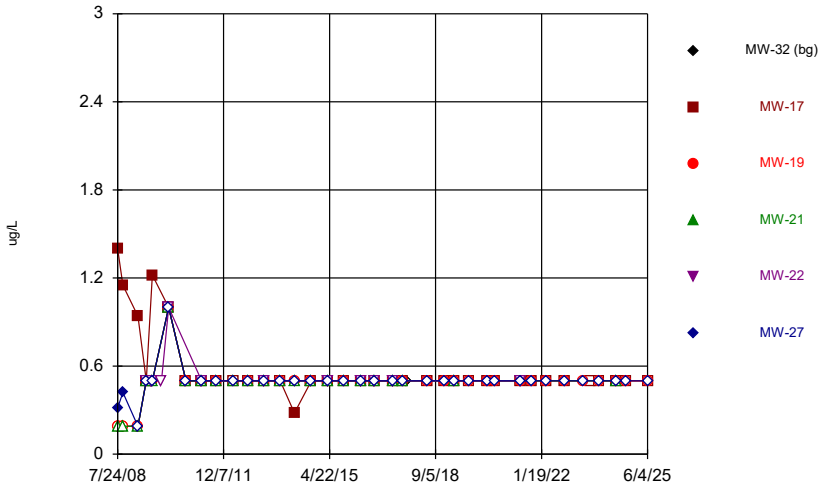
Time Series



Time Series

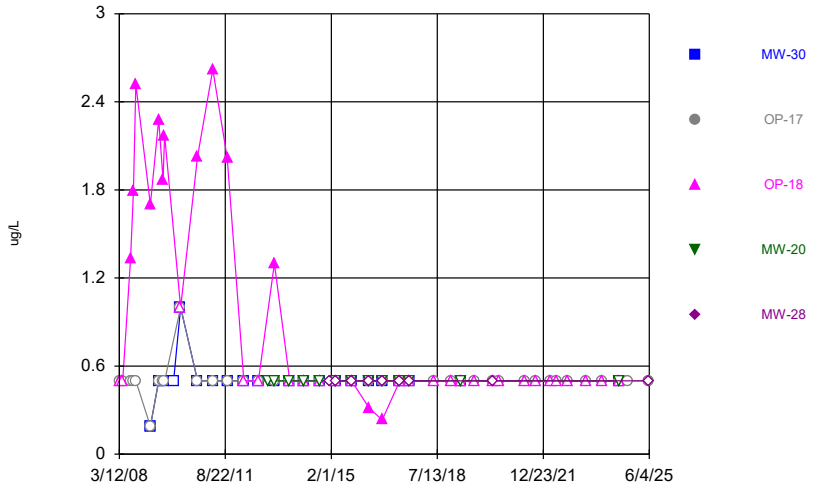


Time Series



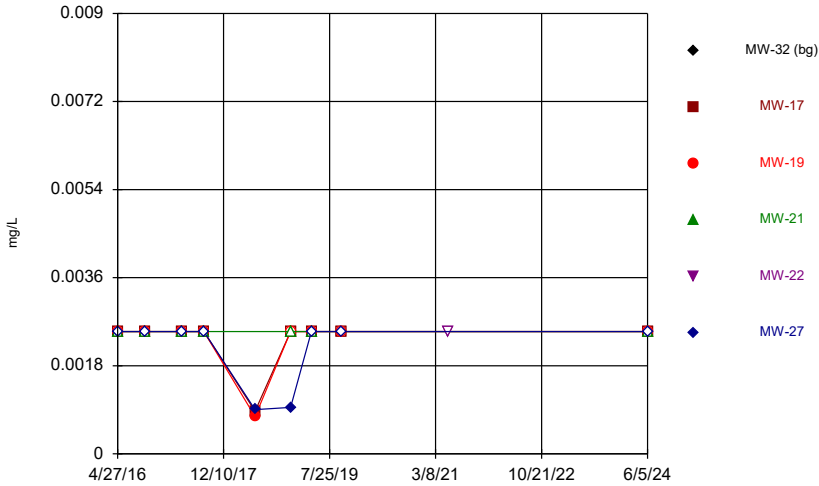
Constituent: Tetrachloroethene Analysis Run 9/9/2025 2:15 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



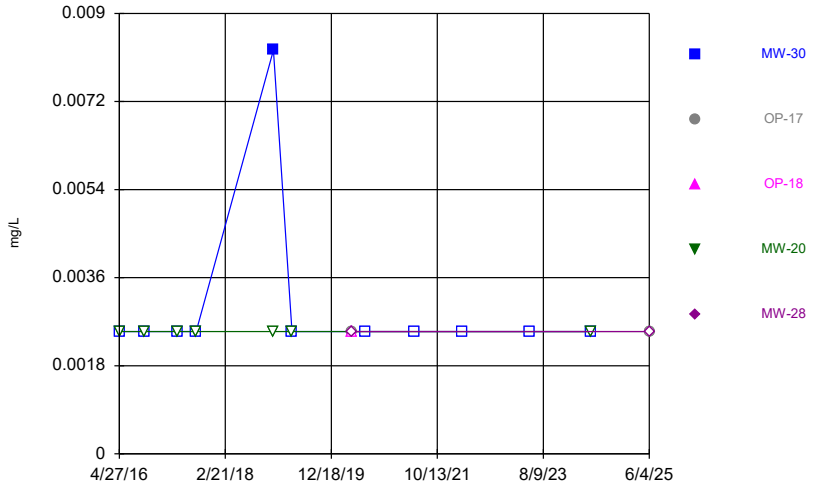
Constituent: Tetrachloroethene Analysis Run 9/9/2025 2:15 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



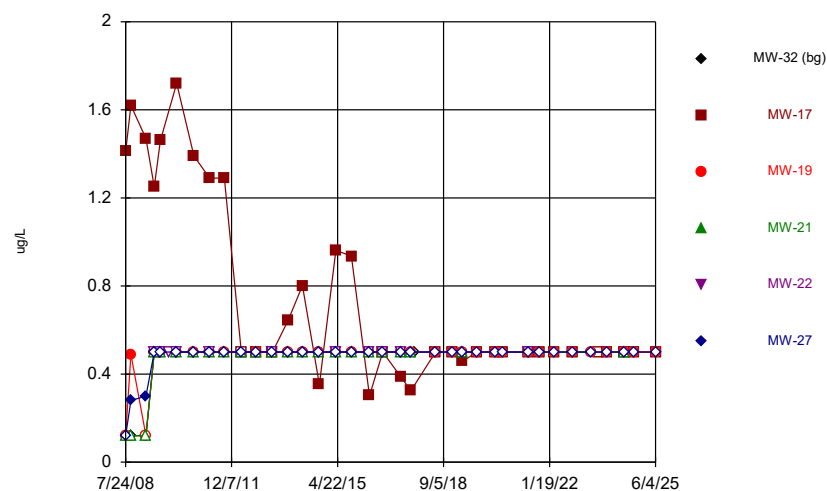
Constituent: Tin Analysis Run 9/9/2025 2:15 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



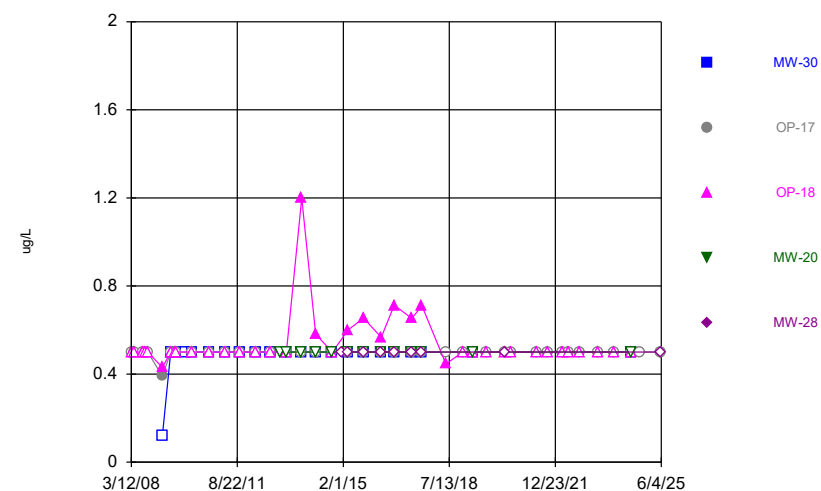
Constituent: Tin Analysis Run 9/9/2025 2:15 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



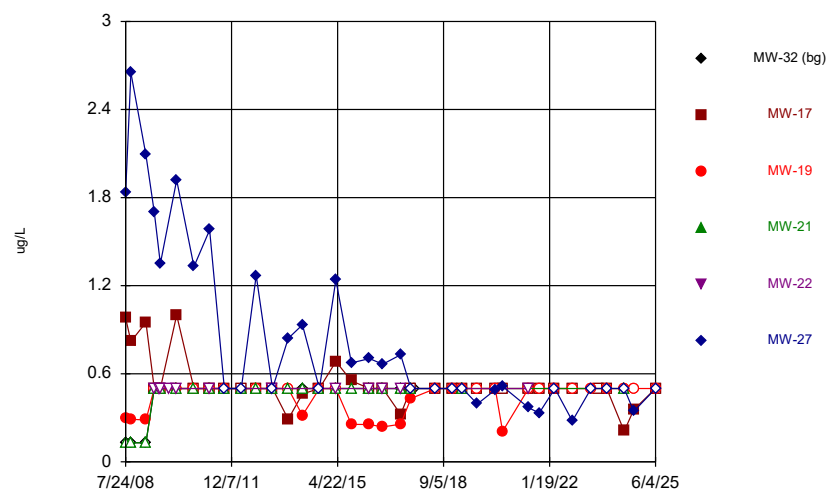
Constituent: Trichloroethene Analysis Run 9/9/2025 2:15 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



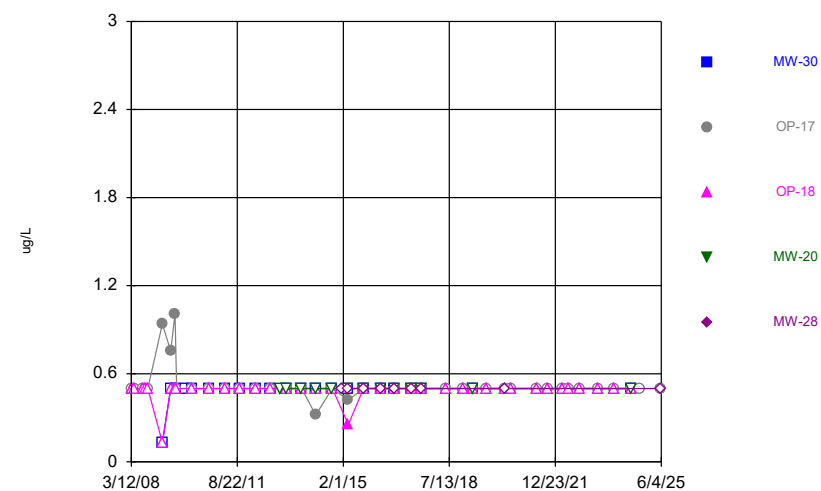
Constituent: Trichloroethene Analysis Run 9/9/2025 2:15 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



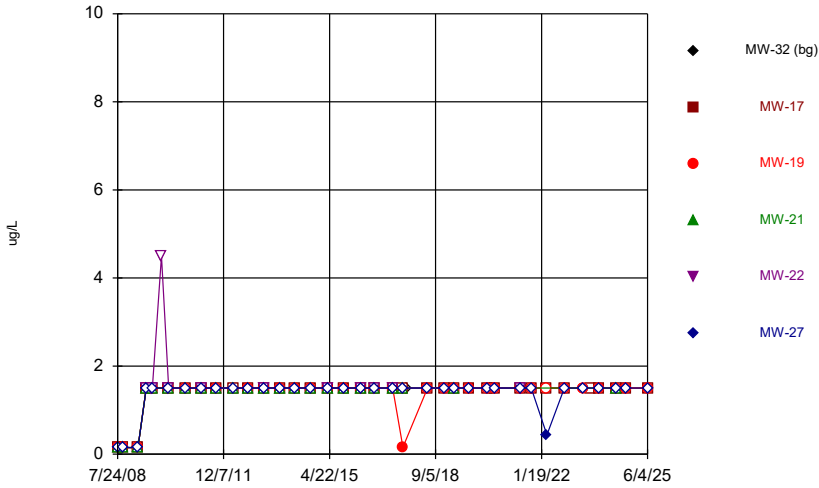
Constituent: Vinyl chloride Analysis Run 9/9/2025 2:15 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



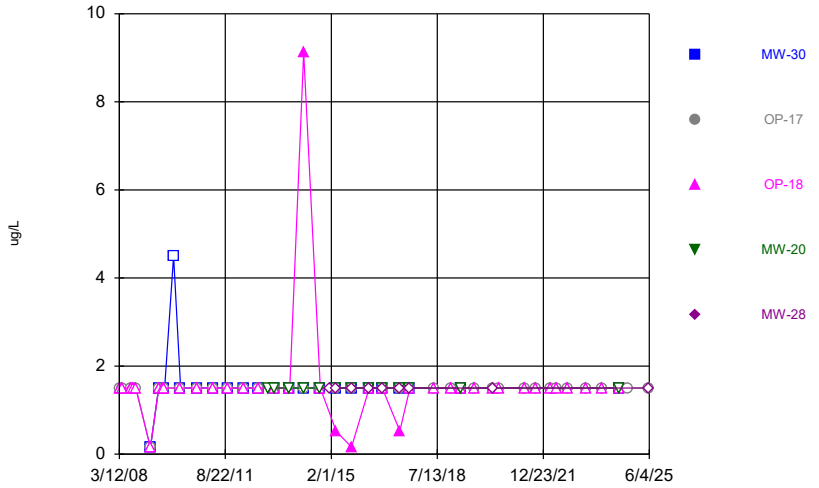
Constituent: Vinyl chloride Analysis Run 9/9/2025 2:15 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



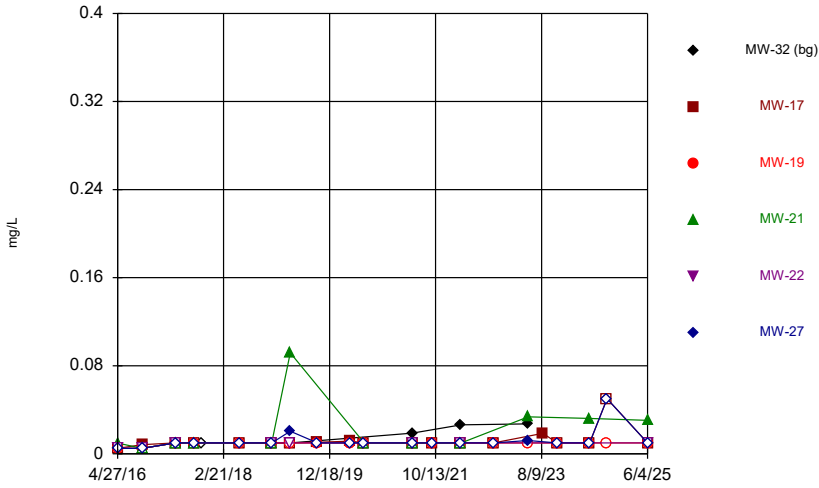
Constituent: Xylenes, total Analysis Run 9/9/2025 2:15 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



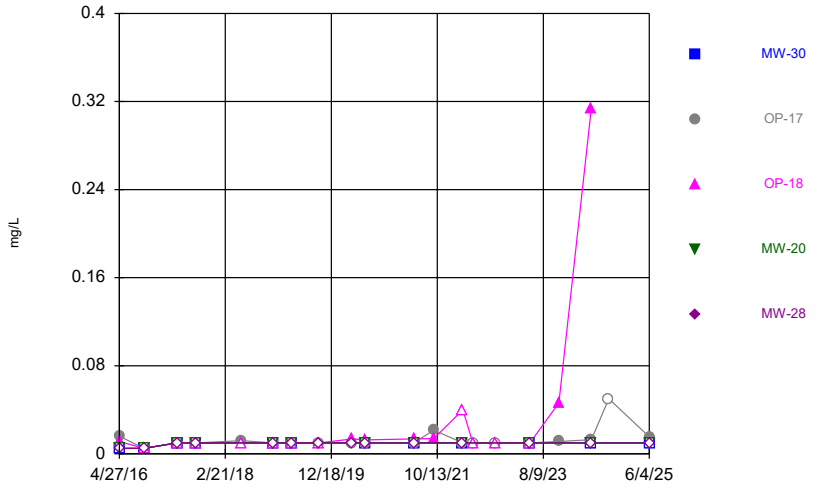
Constituent: Xylenes, total Analysis Run 9/9/2025 2:15 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



Constituent: Zinc Analysis Run 9/9/2025 2:15 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Time Series



Constituent: Zinc Analysis Run 9/9/2025 2:15 PM View: 2025_SSN-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

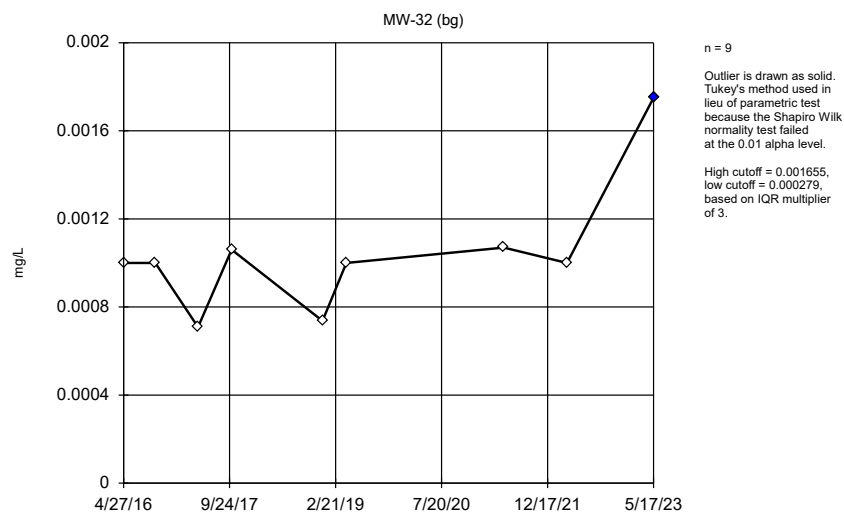
Outlier Tests Summary Table and Graphs

MW-32 BG Outlier Analysis

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025 Printed 9/9/2025, 2:38 PM

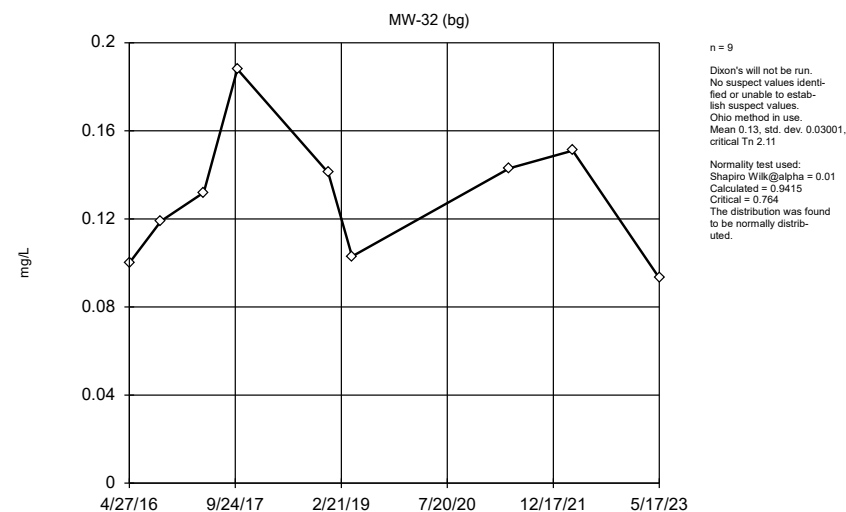
<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Arsenic (mg/L)	MW-32 (bg)	Yes	0.00175	5/17/2023	NP (nrm)/OH	NaN	9	0.001036	0.0002985	unknown	ShapiroWilk
Barium (mg/L)	MW-32 (bg)	No	n/a	n/a	EPA/OH	0.05	9	0.13	0.03001	normal	ShapiroWilk
Beryllium (mg/L)	MW-32 (bg)	No	n/a	n/a	OH	NaN	9	0.0004867	0.00004	n/a	n/a
Cadmium (mg/L)	MW-32 (bg)	No	n/a	n/a	EPA/OH	0.05	9	0.0002031	0.00009735	normal	ShapiroWilk
Cobalt (mg/L)	MW-32 (bg)	No	n/a	n/a	EPA/OH	0.05	9	0.001036	0.0008473	normal	ShapiroWilk
Copper (mg/L)	MW-32 (bg)	No	n/a	n/a	NP (nrm)/OH	NaN	9	0.004589	0.0032	unknown	ShapiroWilk
Lead (mg/L)	MW-32 (bg)	No	n/a	n/a	NP (nrm)/OH	NaN	9	0.0009189	0.001036	unknown	ShapiroWilk
Nickel (mg/L)	MW-32 (bg)	No	n/a	n/a	EPA/OH	0.05	9	0.003569	0.001836	normal	ShapiroWilk
Vanadium (mg/L)	MW-32 (bg)	No	n/a	n/a	EPA/OH	0.05	9	0.001845	0.001066	normal	ShapiroWilk
Zinc (mg/L)	MW-32 (bg)	No	n/a	n/a	EPA/OH	0.05	9	0.01361	0.008502	normal	ShapiroWilk

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



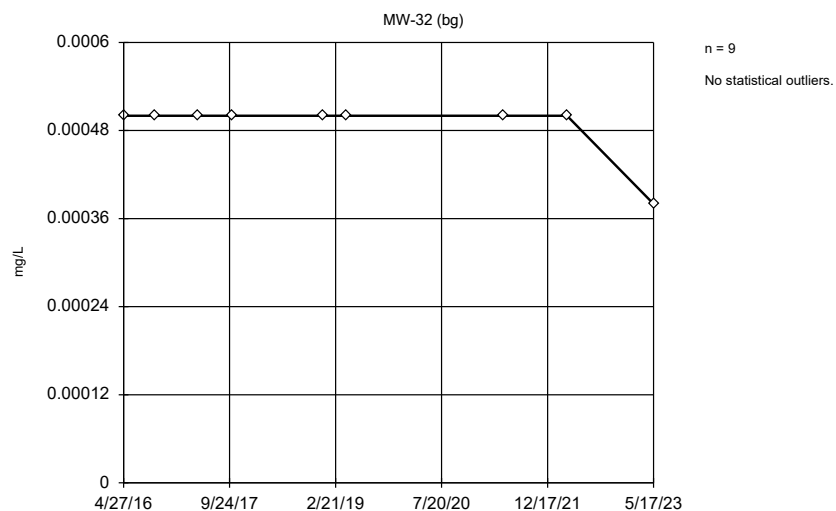
Constituent: Arsenic Analysis Run 9/9/2025 2:35 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

EPA Screening (suspected outliers for Dixon's Test)



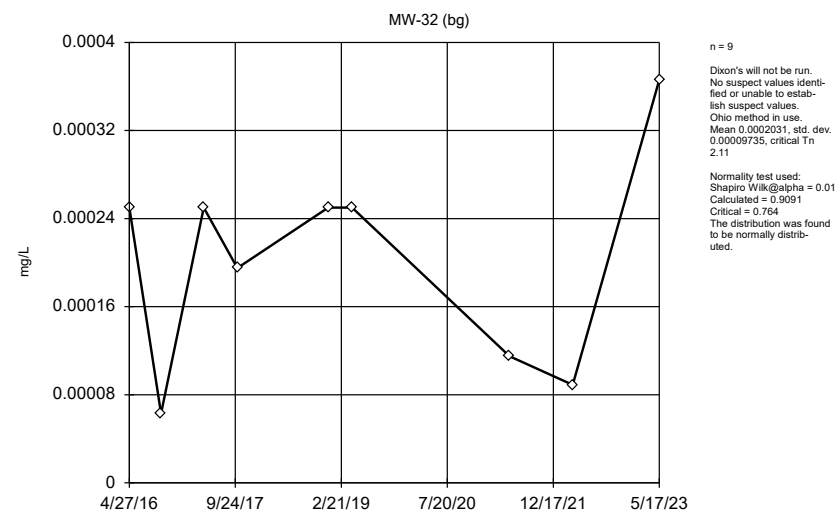
Constituent: Barium Analysis Run 9/9/2025 2:35 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Ohio EPA 0715 Outlier Algorithm



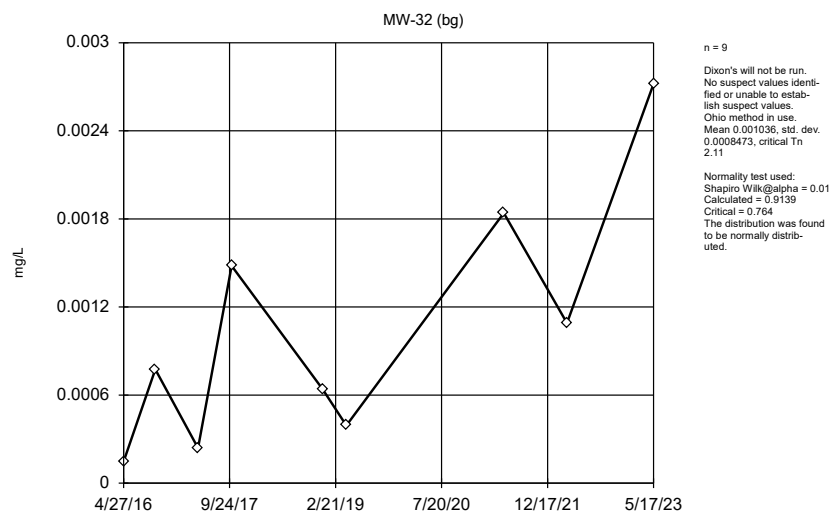
Constituent: Beryllium Analysis Run 9/9/2025 2:35 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

EPA Screening (suspected outliers for Dixon's Test)



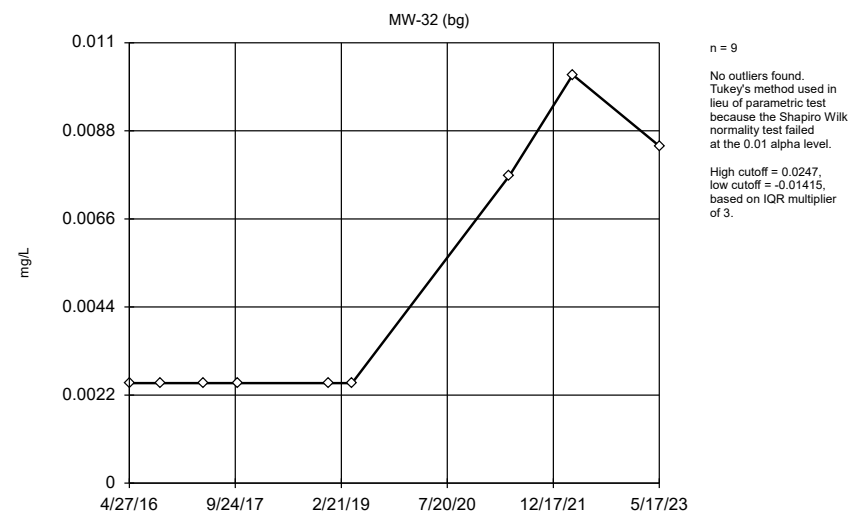
Constituent: Cadmium Analysis Run 9/9/2025 2:35 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

EPA Screening (suspected outliers for Dixon's Test)



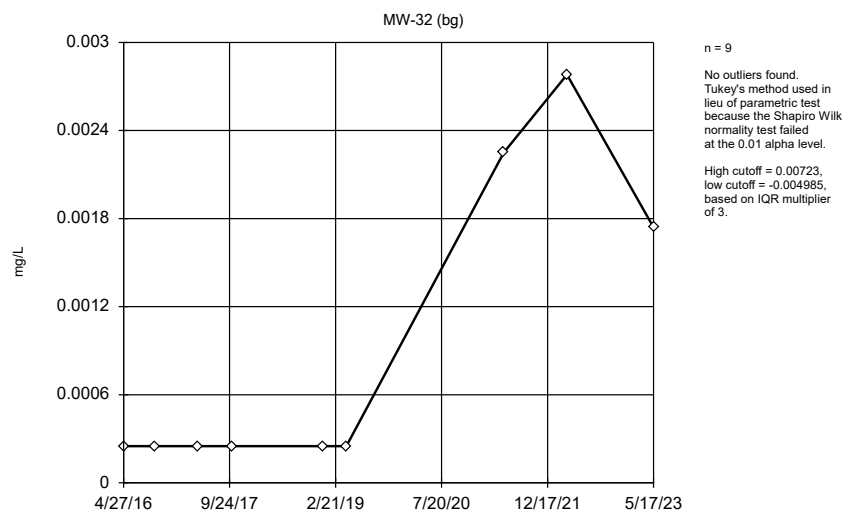
Constituent: Cobalt Analysis Run 9/9/2025 2:35 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



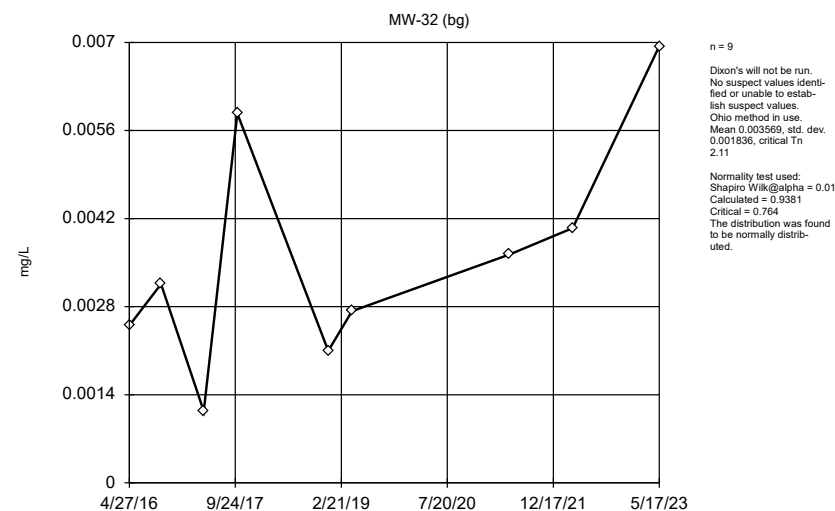
Constituent: Copper Analysis Run 9/9/2025 2:35 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



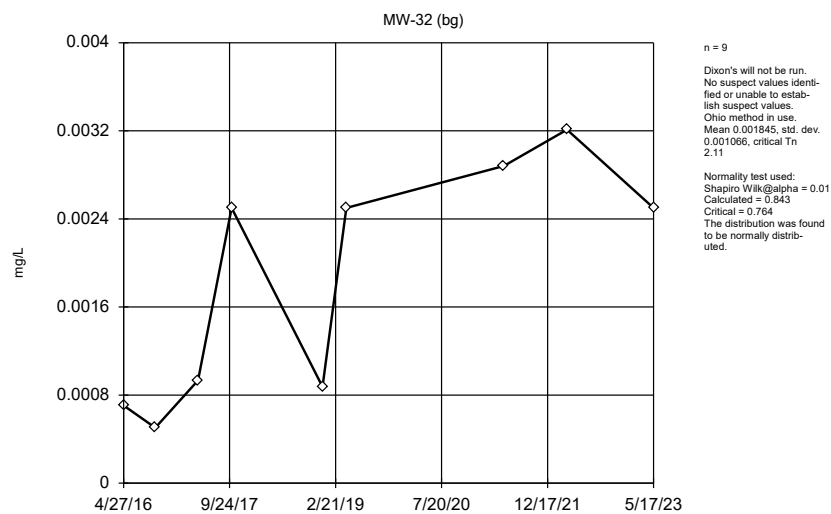
Constituent: Lead Analysis Run 9/9/2025 2:35 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

EPA Screening (suspected outliers for Dixon's Test)



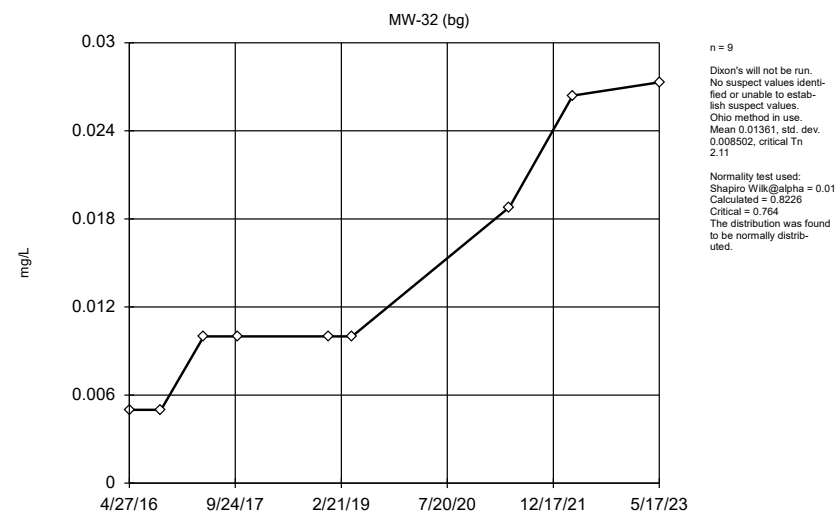
Constituent: Nickel Analysis Run 9/9/2025 2:35 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

EPA Screening (suspected outliers for Dixon's Test)



Constituent: Vanadium Analysis Run 9/9/2025 2:35 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

EPA Screening (suspected outliers for Dixon's Test)



Constituent: Zinc Analysis Run 9/9/2025 2:35 PM View: 2025_SSN-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Interwell Prediction Limit Summary Table and Graphs

AM Prediction Limit

Scott Area & County LF

Client: SCS Engineers

Data: Sanitas SCOTT SCL - 2025

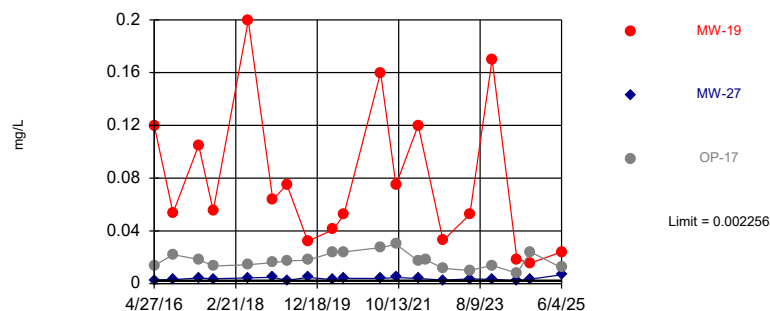
Printed 9/10/2025, 10:03 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Wells</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	MW-19	0.002256	n/a	6/4/2025	0.0241	Yes	9	MW-32	0.03208	0.005	33.33	Kaplan-Meier	sqrt(x)	0.0005267	Param Inter 1 of 2
Arsenic (mg/L)	MW-27	0.002256	n/a	6/4/2025	0.00665	Yes	9	MW-32	0.03208	0.005	33.33	Kaplan-Meier	sqrt(x)	0.0005267	Param Inter 1 of 2
Arsenic (mg/L)	OP-17	0.002256	n/a	6/4/2025	0.0121	Yes	9	MW-32	0.03208	0.005	33.33	Kaplan-Meier	sqrt(x)	0.0005267	Param Inter 1 of 2
Barium (mg/L)	MW-17	0.2225	n/a	6/4/2025	0.419	Yes	9	MW-32	0.13	0.03001	0	None	No	0.0005267	Param Inter 1 of 2
Barium (mg/L)	MW-19	0.2225	n/a	6/4/2025	0.164	No	9	MW-32	0.13	0.03001	0	None	No	0.0005267	Param Inter 1 of 2
Barium (mg/L)	MW-21	0.2225	n/a	6/4/2025	0.177	No	9	MW-32	0.13	0.03001	0	None	No	0.0005267	Param Inter 1 of 2
Barium (mg/L)	MW-22	0.2225	n/a	6/4/2025	0.0526	No	9	MW-32	0.13	0.03001	0	None	No	0.0005267	Param Inter 1 of 2
Barium (mg/L)	MW-27	0.2225	n/a	6/4/2025	0.172	No	9	MW-32	0.13	0.03001	0	None	No	0.0005267	Param Inter 1 of 2
Barium (mg/L)	MW-30	0.2225	n/a	6/4/2025	0.102	No	9	MW-32	0.13	0.03001	0	None	No	0.0005267	Param Inter 1 of 2
Barium (mg/L)	OP-17	0.2225	n/a	6/4/2025	0.366	Yes	9	MW-32	0.13	0.03001	0	None	No	0.0005267	Param Inter 1 of 2
Barium (mg/L)	MW-20	0.2225	n/a	6/4/2025	0.3015	Yes	9	MW-32	0.13	0.03001	0	None	No	0.0005267	Param Inter 1 of 2
Barium (mg/L)	MW-28	0.2225	n/a	6/4/2025	0.188	No	9	MW-32	0.13	0.03001	0	None	No	0.0005267	Param Inter 1 of 2
Cadmium (mg/L)	OP-17	0.0005032	n/a	6/4/2025	0.000221	No	9	MW-32	0.0001656	0.0001095	44.44	Kaplan-Meier	No	0.0005267	Param Inter 1 of 2
Cobalt (mg/L)	MW-17	0.003648	n/a	6/4/2025	0.000553	No	9	MW-32	0.001036	0.0008473	0	None	No	0.0005267	Param Inter 1 of 2
Cobalt (mg/L)	MW-19	0.003648	n/a	6/4/2025	0.00596	Yes	9	MW-32	0.001036	0.0008473	0	None	No	0.0005267	Param Inter 1 of 2
Cobalt (mg/L)	MW-21	0.003648	n/a	6/4/2025	0.000975	No	9	MW-32	0.001036	0.0008473	0	None	No	0.0005267	Param Inter 1 of 2
Cobalt (mg/L)	MW-27	0.003648	n/a	6/4/2025	0.00892	Yes	9	MW-32	0.001036	0.0008473	0	None	No	0.0005267	Param Inter 1 of 2
Cobalt (mg/L)	OP-17	0.003648	n/a	6/4/2025	0.012	Yes	9	MW-32	0.001036	0.0008473	0	None	No	0.0005267	Param Inter 1 of 2
Copper (mg/L)	OP-17	0.0102	n/a	6/4/2025	0.0118	Yes	9	MW-32	n/a	n/a	66.67	n/a	n/a	0.01243	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-22	0.00278	n/a	6/4/2025	0.000553	No	9	MW-32	n/a	n/a	66.67	n/a	n/a	0.01243	NP Inter (NDs) 1 of 2
Lead (mg/L)	OP-17	0.00278	n/a	6/4/2025	0.00215	No	9	MW-32	n/a	n/a	66.67	n/a	n/a	0.01243	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-20	0.00278	n/a	6/4/2025	0.00076	No	9	MW-32	n/a	n/a	66.67	n/a	n/a	0.01243	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-27	0.009228	n/a	6/4/2025	0.00506	No	9	MW-32	0.003569	0.001836	11.11	None	No	0.0005267	Param Inter 1 of 2
Nickel (mg/L)	OP-17	0.009228	n/a	6/4/2025	0.0242	Yes	9	MW-32	0.003569	0.001836	11.11	None	No	0.0005267	Param Inter 1 of 2
Zinc (mg/L)	MW-21	0.0273	n/a	6/4/2025	0.0305	Yes	9	MW-32	n/a	n/a	66.67	n/a	n/a	0.01243	NP Inter (NDs) 1 of 2

Exceeds Limit: MW-19, MW-27, OP-17

Prediction Limit

Interwell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03208, Std. Dev.=0.005, n=9, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7959, critical = 0.764. Kappa = 3.083 (c=10, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.005254. Individual comparison alpha = 0.0005267. Comparing 3 points to limit. Assumes 7 future values.

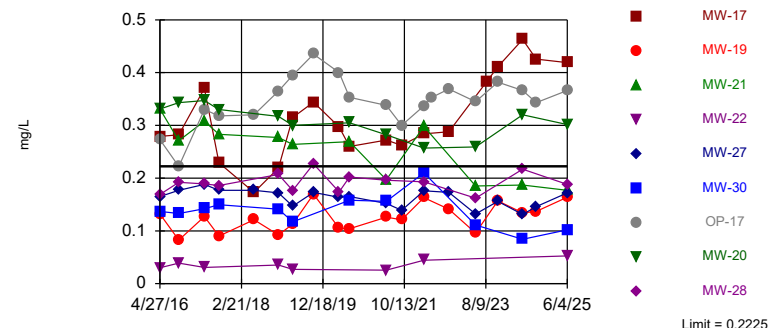
Constituent: Arsenic Analysis Run 9/10/2025 9:48 AM View: 2025_SSN-AM_Interwell_PL

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Exceeds Limit: MW-17, OP-17, MW-20

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=0.13, Std. Dev.=0.03001, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9415, critical = 0.764. Kappa = 3.083 (c=10, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.005254. Individual comparison alpha = 0.0005267. Comparing 9 points to limit. Assumes 1 future value.

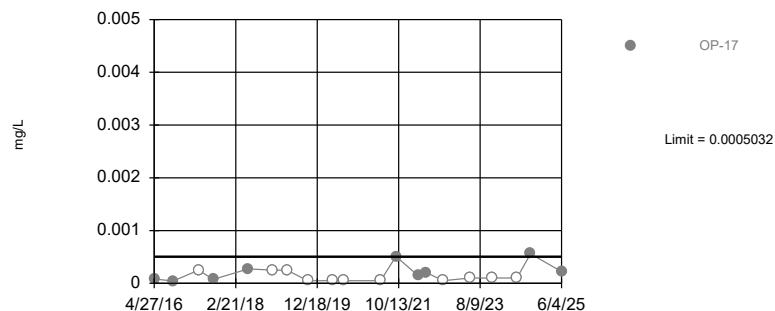
Constituent: Barium Analysis Run 9/10/2025 9:48 AM View: 2025_SSN-AM_Interwell_PL

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Within Limit

Prediction Limit

Interwell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0001656, Std. Dev.=0.0001095, n=9, 44.44% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9091, critical = 0.764. Kappa = 3.083 (c=10, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.005254. Individual comparison alpha = 0.0005267. Assumes 9 future values.

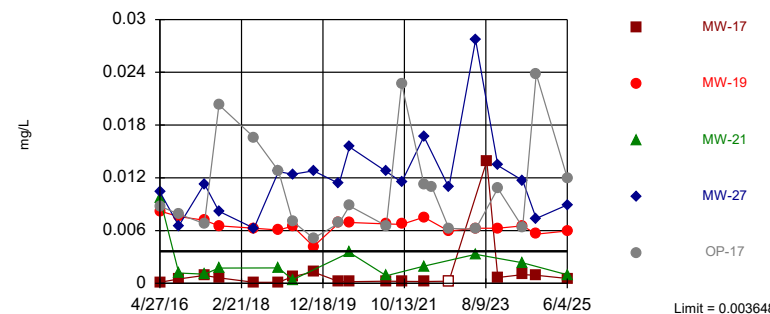
Constituent: Cadmium Analysis Run 9/10/2025 9:48 AM View: 2025_SSN-AM_Interwell_PL

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Exceeds Limit: MW-19, MW-27, OP-17

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=0.001036, Std. Dev.=0.0008473, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9139, critical = 0.764. Kappa = 3.083 (c=10, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.005254. Individual comparison alpha = 0.0005267. Comparing 5 points to limit. Assumes 5 future values.

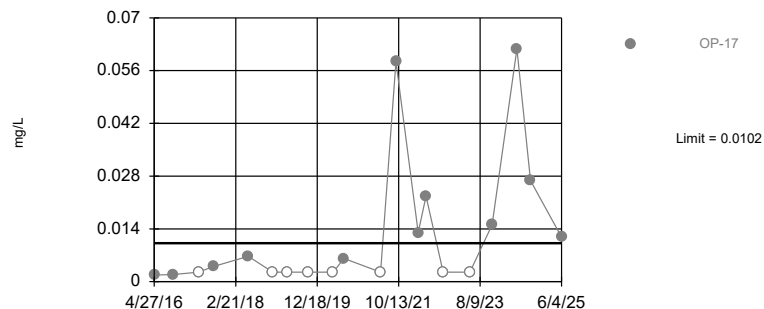
Constituent: Cobalt Analysis Run 9/10/2025 9:48 AM View: 2025_SSN-AM_Interwell_PL

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Exceeds Limit: OP-17

Prediction Limit

Interwell Non-parametric



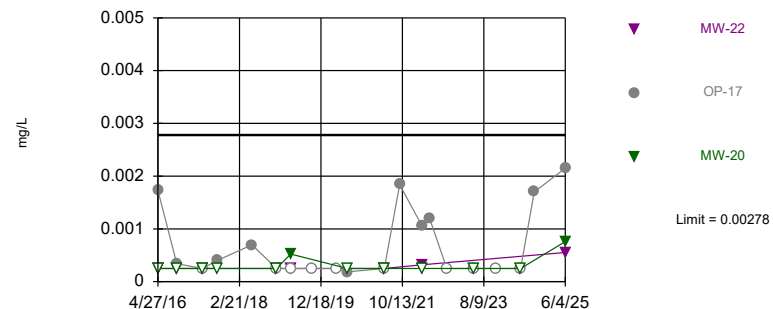
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 66.67% NDs. Annual per-constituent alpha = 0.2214. Individual comparison alpha = 0.01243 (1 of 2). Assumes 9 future values.

Constituent: Copper Analysis Run 9/10/2025 9:48 AM View: 2025_SSN-AM_Interwell_PL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Within Limit

Prediction Limit

Interwell Non-parametric



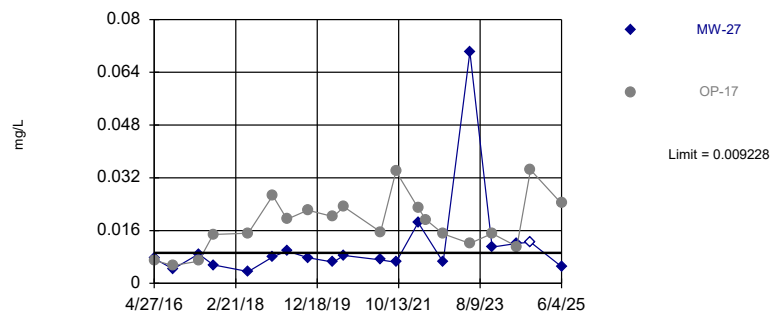
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 66.67% NDs. Annual per-constituent alpha = 0.2214. Individual comparison alpha = 0.01243 (1 of 2). Comparing 3 points to limit. Assumes 7 future values.

Constituent: Lead Analysis Run 9/10/2025 9:48 AM View: 2025_SSN-AM_Interwell_PL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Exceeds Limit: OP-17

Prediction Limit

Interwell Parametric



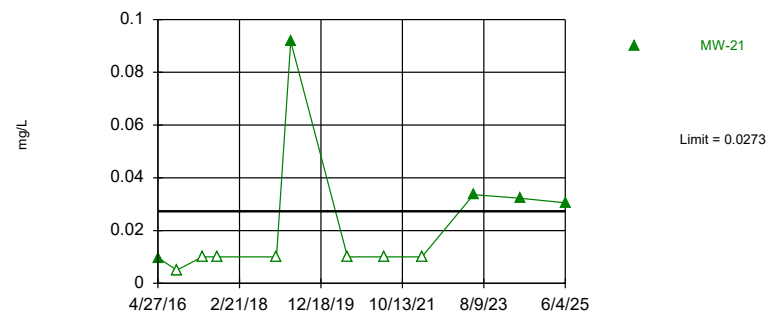
Background Data Summary: Mean=0.003569, Std. Dev.=0.001836, n=9, 11.11% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9381, critical = 0.764. Kappa = 3.083 (c=10, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.005254. Individual comparison alpha = 0.0005267. Comparing 2 points to limit. Assumes 8 future values.

Constituent: Nickel Analysis Run 9/10/2025 9:48 AM View: 2025_SSN-AM_Interwell_PL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Exceeds Limit: MW-21

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 66.67% NDs. Annual per-constituent alpha = 0.2214. Individual comparison alpha = 0.01243 (1 of 2). Assumes 9 future values.

Constituent: Zinc Analysis Run 9/10/2025 9:48 AM View: 2025_SSN-AM_Interwell_PL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL - 2025

Mann-Kendall/Sen's Slope Trend Test Summary Table and Graphs

Trend Test

Scott Area & County LF

Client: SCS Engineers

Data: SCOTT_SCL-2025_SSN-AM

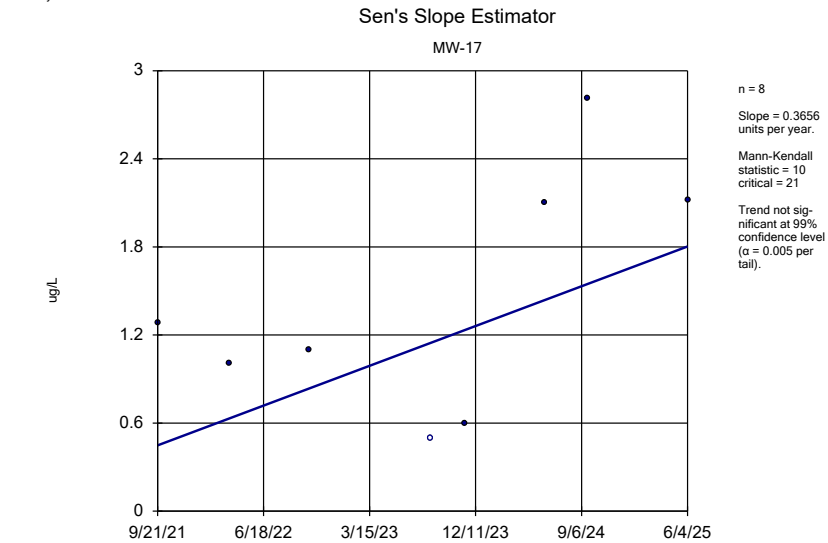
Printed 9/11/2025, 3:11 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Alpha</u>	<u>Method</u>
1,1-Dichloroethane (ug/L)	MW-17	0.3656	10	21	No	8	12.5	0.01	NP
1,1-Dichloroethane (ug/L)	MW-27	0.0519	4	21	No	8	0	0.01	NP
1,2-Dichlorobenzene (ug/L)	OP-17	-1.167	-12	-21	No	8	0	0.01	NP
1,4-Dichlorobenzene (ug/L)	MW-19	-0.1168	-16	-21	No	8	0	0.01	NP
1,4-Dichlorobenzene (ug/L)	OP-17	-1.042	-6	-21	No	8	0	0.01	NP
1,4-Dichlorobenzene (ug/L)	OP-18	0.09509	3	21	No	8	25	0.01	NP
Acetone (ug/L)	MW-27	0	7	21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-17	-0.000435	0	21	No	8	12.5	0.01	NP
Arsenic (mg/L)	MW-19	-0.01377	-12	-21	No	8	0	0.01	NP
Arsenic (mg/L)	MW-21	-0.000178	-2	-21	No	8	0	0.01	NP
Arsenic (mg/L)	MW-27	-0.000248	-4	-21	No	8	0	0.01	NP
Arsenic (mg/L)	OP-17	-0.001784	-4	-21	No	8	0	0.01	NP
Arsenic (mg/L)	OP-18	-0.005473	-16	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-17	0.05537	22	21	Yes	8	0	0.01	NP
Barium (mg/L)	MW-19	0.005061	6	21	No	8	0	0.01	NP
Barium (mg/L)	MW-20	-0.004976	-4	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-21	-0.01522	-16	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-22	0.001745	6	21	No	8	0	0.01	NP
Barium (mg/L)	MW-27	-0.001098	-4	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-28	-0.00322	-8	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-30	-0.006216	-10	-21	No	8	0	0.01	NP
Barium (mg/L)	OP-17	0.005336	5	21	No	8	0	0.01	NP
Barium (mg/L)	OP-18	-0.04479	-18	-21	No	8	0	0.01	NP
Benzene (ug/L)	MW-19	-0.08601	-11	-21	No	8	37.5	0.01	NP
Benzene (ug/L)	MW-27	0.06388	8	21	No	8	12.5	0.01	NP
Benzene (ug/L)	OP-17	-0.1307	-4	-21	No	8	0	0.01	NP
Benzene (ug/L)	OP-18	-0.1582	-4	-21	No	8	0	0.01	NP
Beryllium (mg/L)	OP-18	0	13	21	No	8	75	0.01	NP
Cadmium (mg/L)	MW-17	0.00002076	14	21	No	8	87.5	0.01	NP
Cadmium (mg/L)	MW-27	0.00001599	14	21	No	8	75	0.01	NP
Cadmium (mg/L)	OP-17	0.0000273	7	21	No	8	50	0.01	NP
Carbon disulfide (ug/L)	MW-21	0	-2	-21	No	8	50	0.01	NP
Carbon disulfide (ug/L)	OP-18	0	3	21	No	8	87.5	0.01	NP
Chlorobenzene (ug/L)	MW-27	0.2028	18	21	No	8	0	0.01	NP
Chlorobenzene (ug/L)	OP-17	-0.1914	-2	-21	No	8	0	0.01	NP
Chlorobenzene (ug/L)	OP-18	1.878	4	21	No	8	0	0.01	NP
Chloromethane (ug/L)	OP-17	0	3	21	No	8	87.5	0.01	NP
cis-1,2-Dichloroethene (ug/L)	MW-17	1.646	9	21	No	8	12.5	0.01	NP
cis-1,2-Dichloroethene (ug/L)	MW-19	-0.6358	-18	-21	No	8	0	0.01	NP
cis-1,2-Dichloroethene (ug/L)	MW-27	0.1607	0	21	No	8	0	0.01	NP
Cobalt (mg/L)	MW-17	0.0001598	10	21	No	8	12.5	0.01	NP
Cobalt (mg/L)	MW-19	-0.0002022	-11	-21	No	8	0	0.01	NP
Cobalt (mg/L)	MW-21	0.00007753	4	21	No	8	0	0.01	NP
Cobalt (mg/L)	MW-27	-0.001902	-10	-21	No	8	0	0.01	NP
Cobalt (mg/L)	MW-28	0	-1	-21	No	8	37.5	0.01	NP
Cobalt (mg/L)	OP-17	0.0002111	4	21	No	8	0	0.01	NP
Cobalt (mg/L)	OP-18	-0.008417	-12	-21	No	8	0	0.01	NP
Copper (mg/L)	MW-17	0	3	21	No	8	87.5	0.01	NP
Copper (mg/L)	MW-21	0	-6	-21	No	8	62.5	0.01	NP
Copper (mg/L)	OP-17	0.002632	5	21	No	8	25	0.01	NP

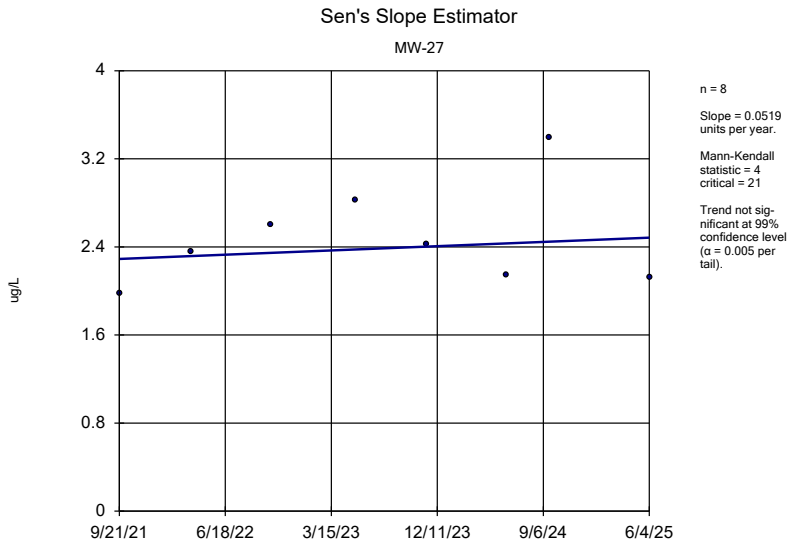
Trend Test

Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM Printed 9/11/2025, 3:11 PM

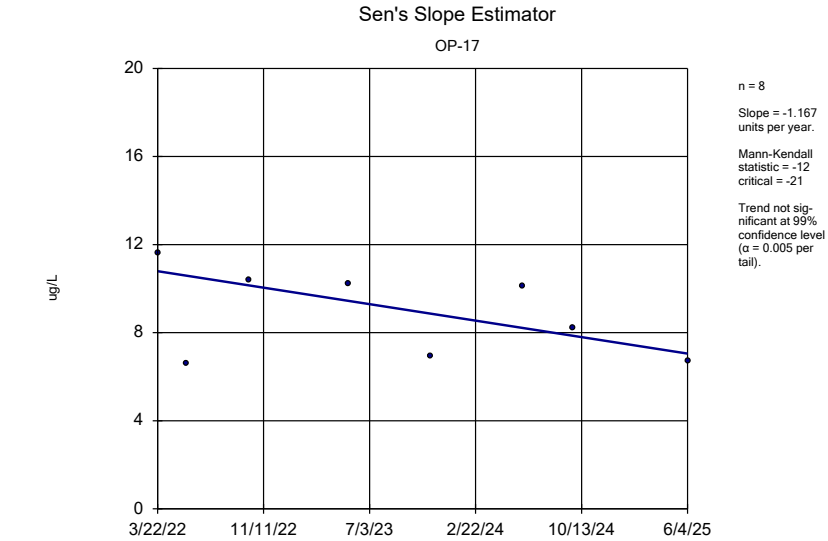
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Alpha</u>	<u>Method</u>
Copper (mg/L)	OP-18	0.01259	17	21	No	8	50	0.01	NP
Lead (mg/L)	MW-17	0	-1	-21	No	8	87.5	0.01	NP
Lead (mg/L)	MW-20	0	3	21	No	8	75	0.01	NP
Lead (mg/L)	MW-21	-0.000005418	-1	-21	No	8	25	0.01	NP
Lead (mg/L)	MW-22	0	13	21	No	8	75	0.01	NP
Lead (mg/L)	MW-27	0	-6	-21	No	8	62.5	0.01	NP
Lead (mg/L)	OP-17	0.0001091	6	21	No	8	50	0.01	NP
Lead (mg/L)	OP-18	0.00003917	3	21	No	8	37.5	0.01	NP
Methoxychlor (ug/L)	MW-19	0.001802	20	21	No	8	87.5	0.01	NP
Nickel (mg/L)	MW-17	0	3	21	No	8	87.5	0.01	NP
Nickel (mg/L)	MW-21	-0.00005237	-5	-21	No	8	37.5	0.01	NP
Nickel (mg/L)	MW-27	-0.00017	0	21	No	8	12.5	0.01	NP
Nickel (mg/L)	OP-17	-0.0004047	0	21	No	8	0	0.01	NP
Nickel (mg/L)	OP-18	-0.01287	-6	-21	No	8	0	0.01	NP
Sulfide (mg/L)	MW-30	0	-1	-21	No	8	87.5	0.01	NP
Tin (mg/L)	MW-30	0	-5	-21	No	8	87.5	0.01	NP
Zinc (mg/L)	MW-21	0	4	21	No	8	50	0.01	NP
Zinc (mg/L)	OP-18	0.008485	7	21	No	8	50	0.01	NP



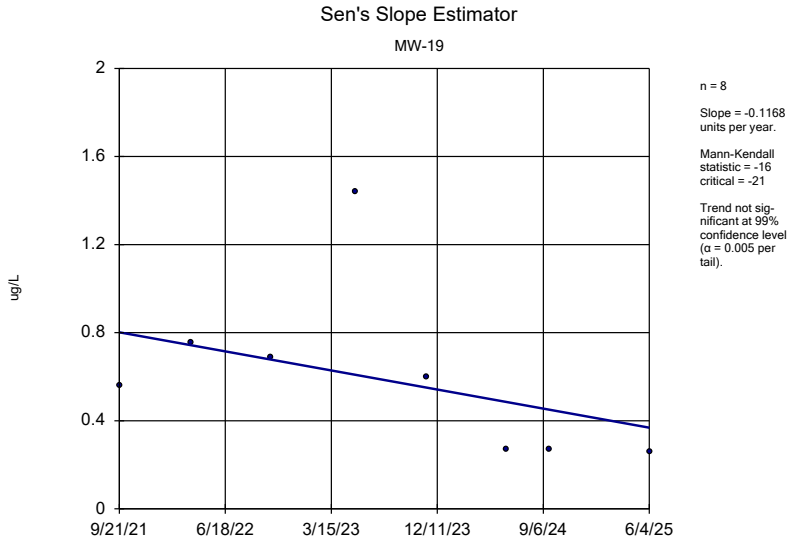
Constituent: 1,1-Dichloroethane Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



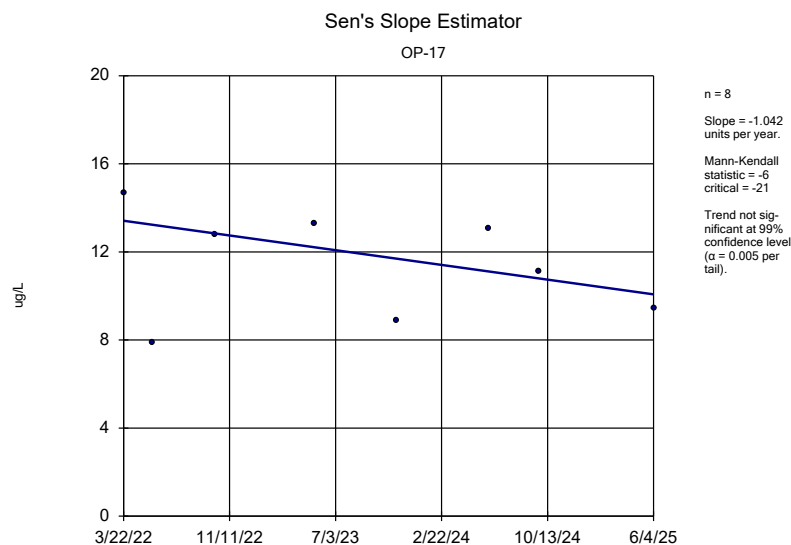
Constituent: 1,1-Dichloroethane Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



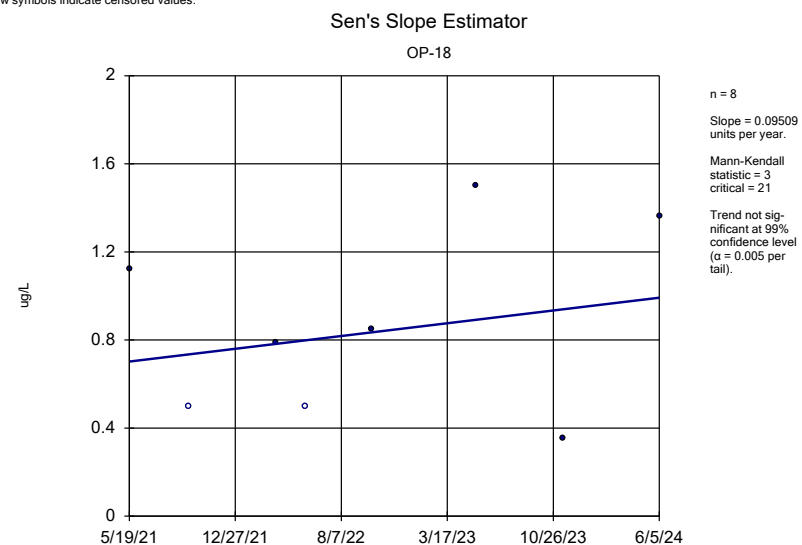
Constituent: 1,2-Dichlorobenzene Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



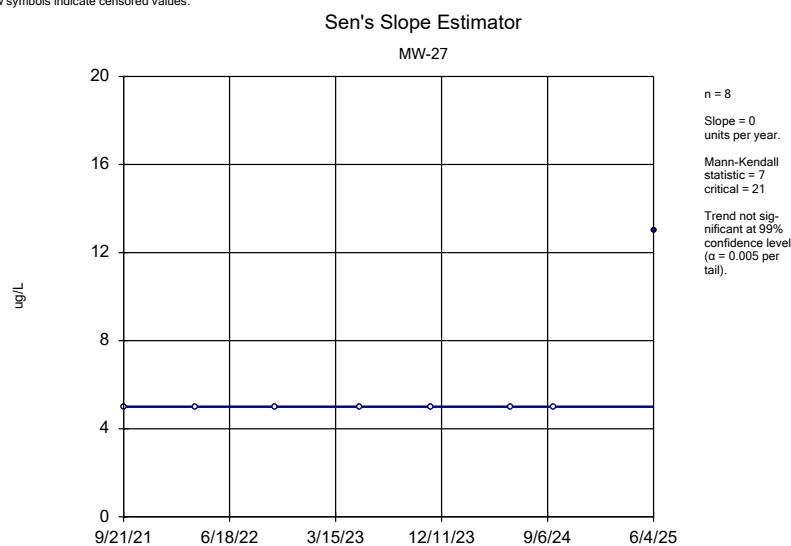
Constituent: 1,4-Dichlorobenzene Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



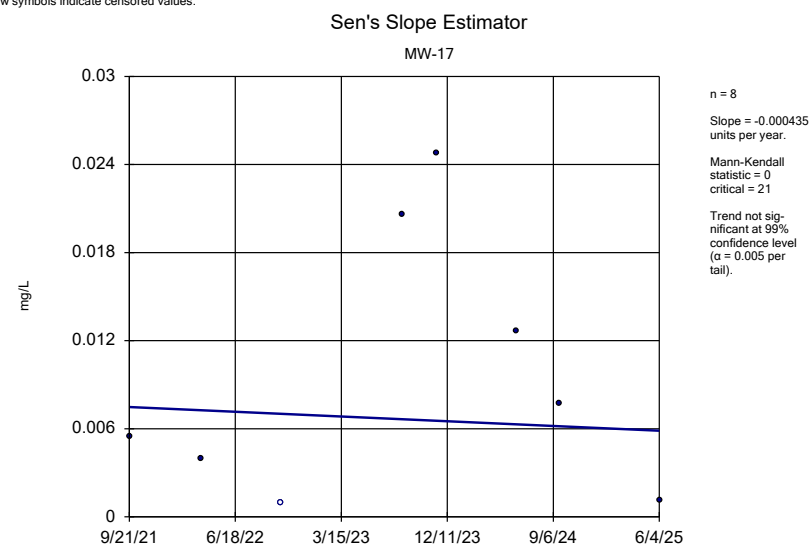
Constituent: 1,4-Dichlorobenzene Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



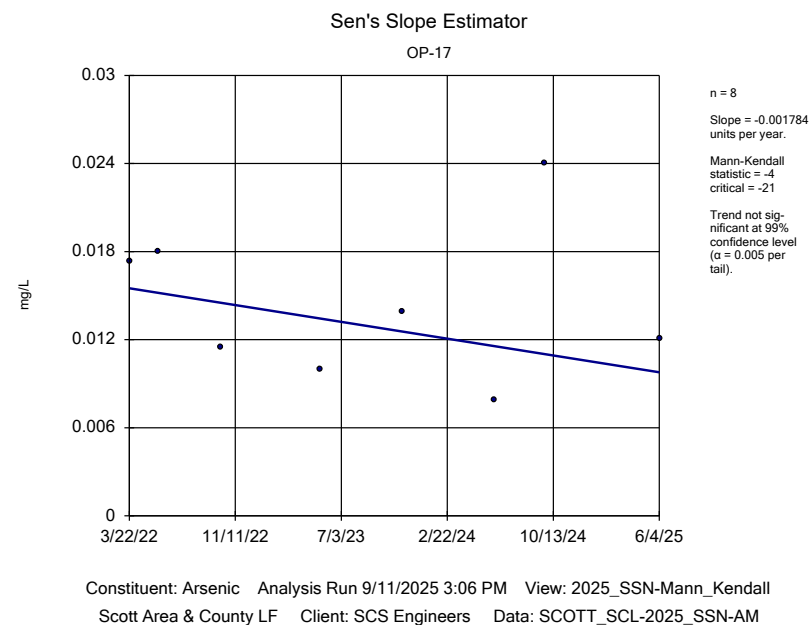
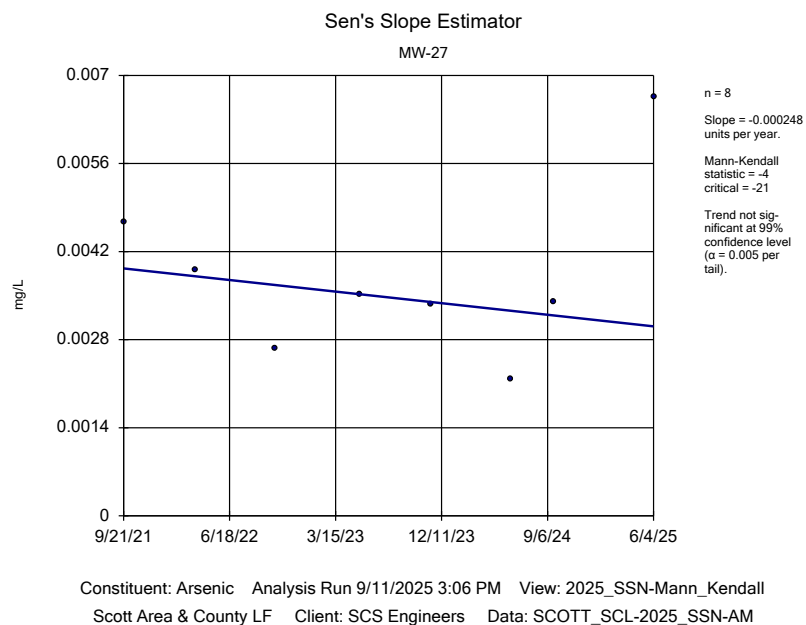
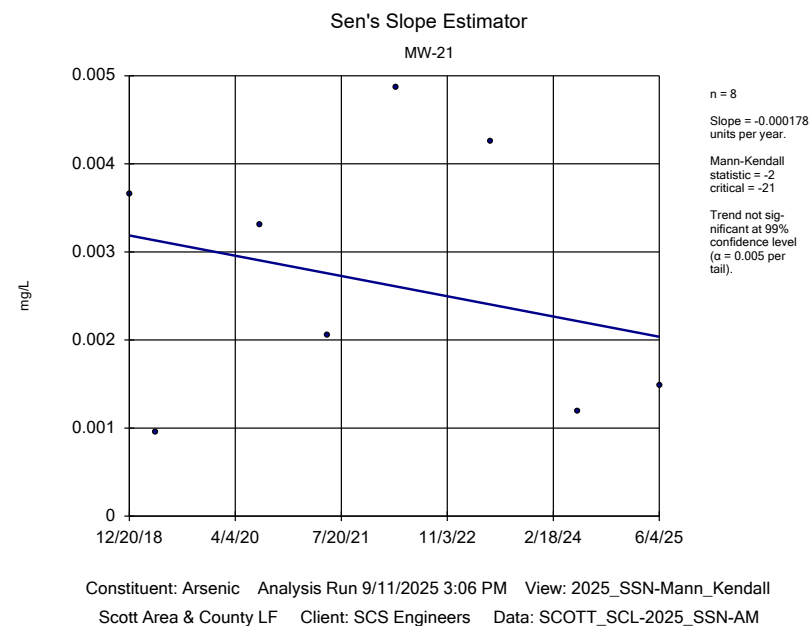
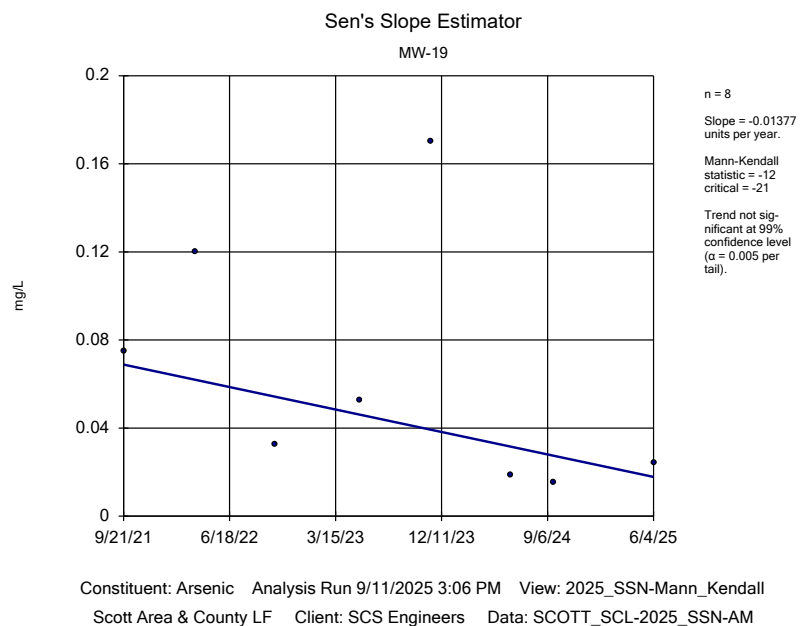
Constituent: 1,4-Dichlorobenzene Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

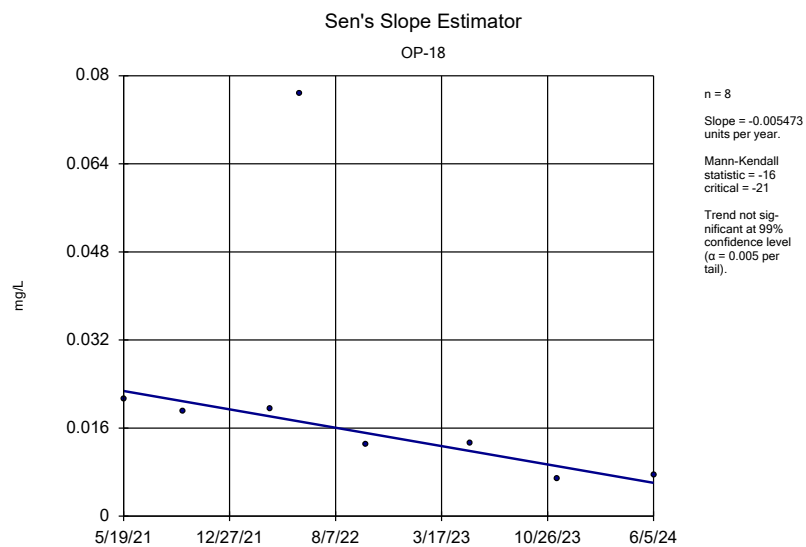


Constituent: Acetone Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

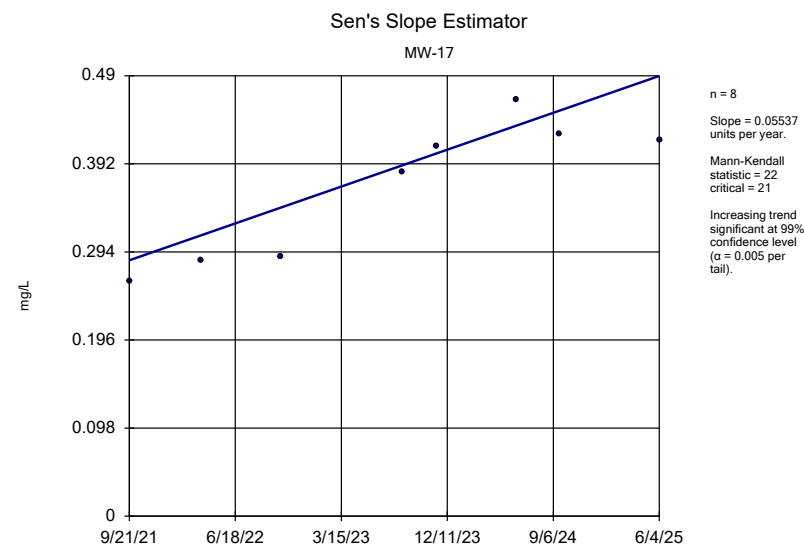


Constituent: Arsenic Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

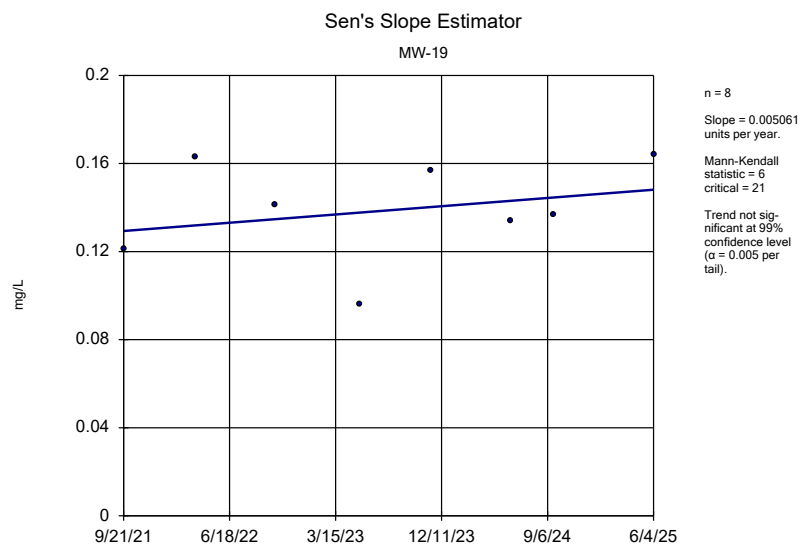




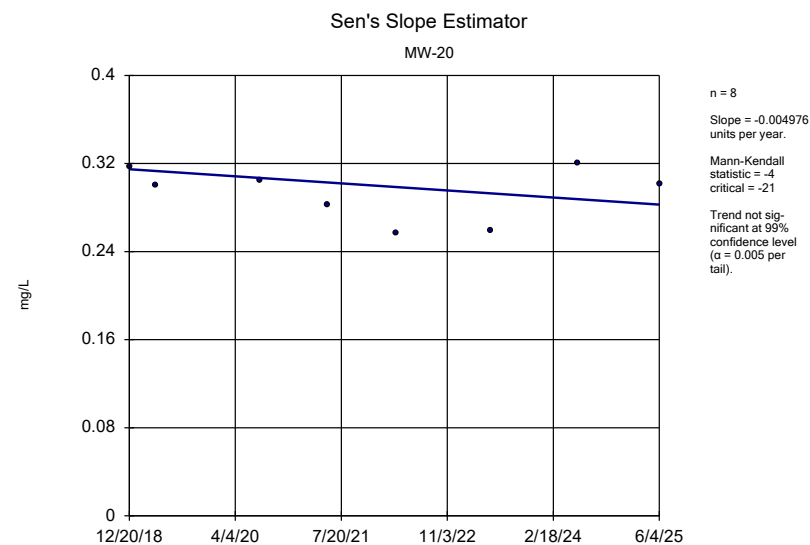
Constituent: Arsenic Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



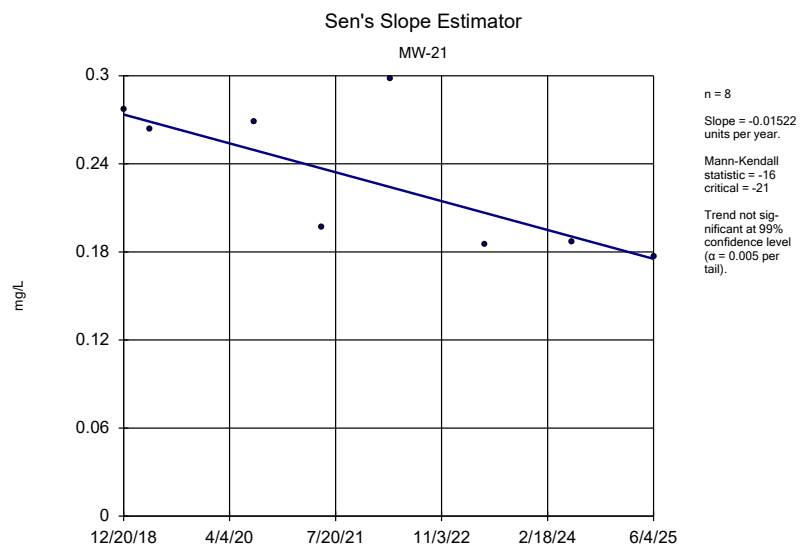
Constituent: Barium Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



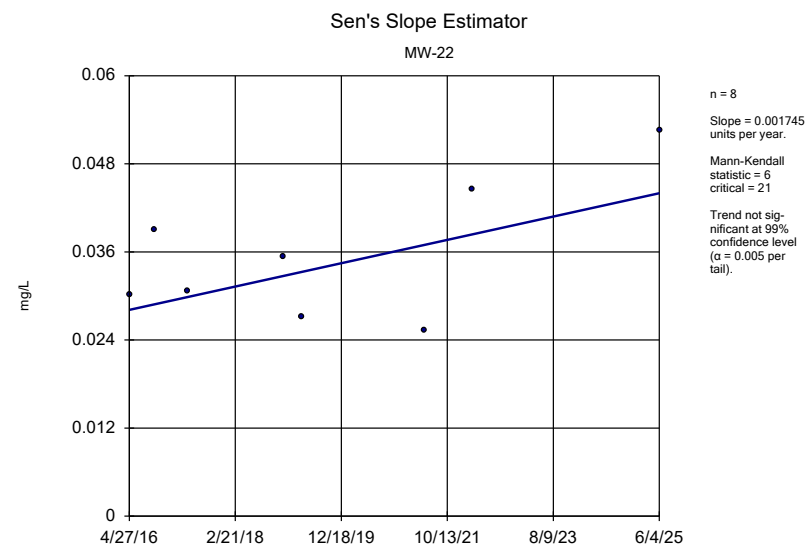
Constituent: Barium Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



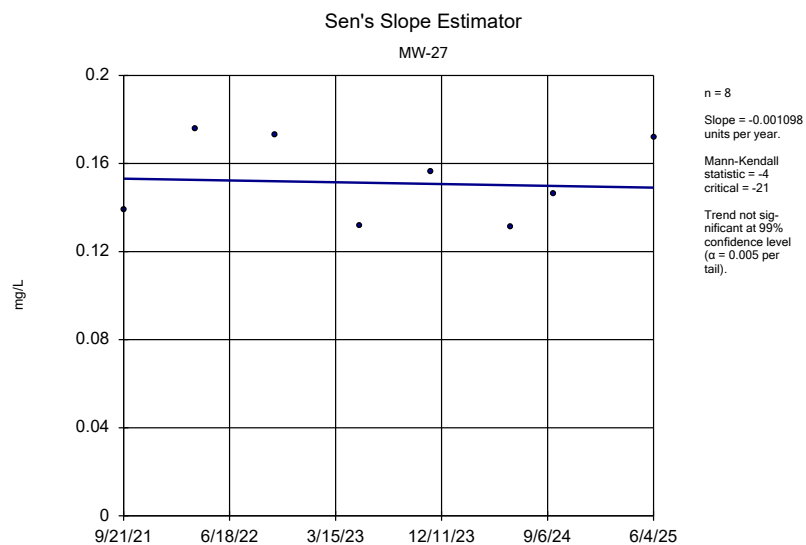
Constituent: Barium Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



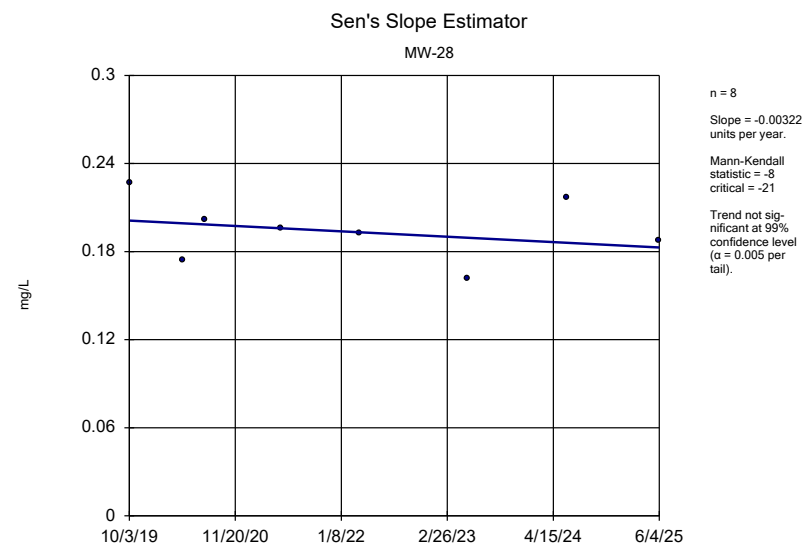
Constituent: Barium Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



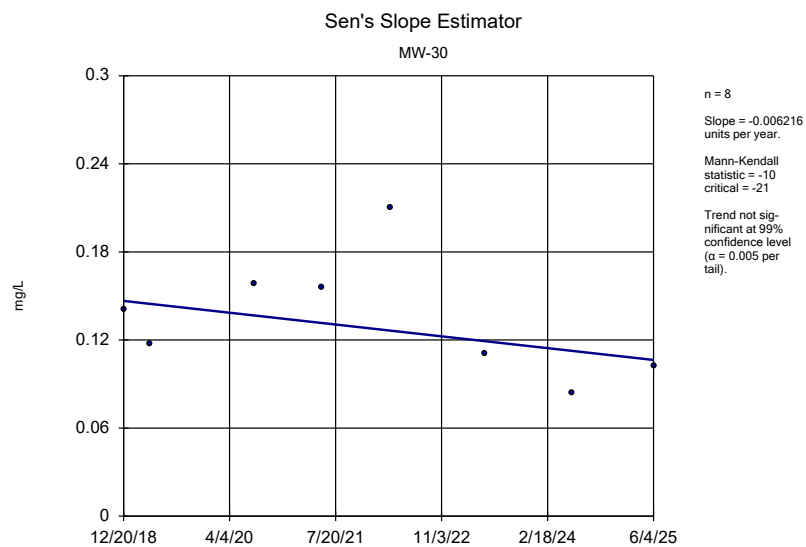
Constituent: Barium Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



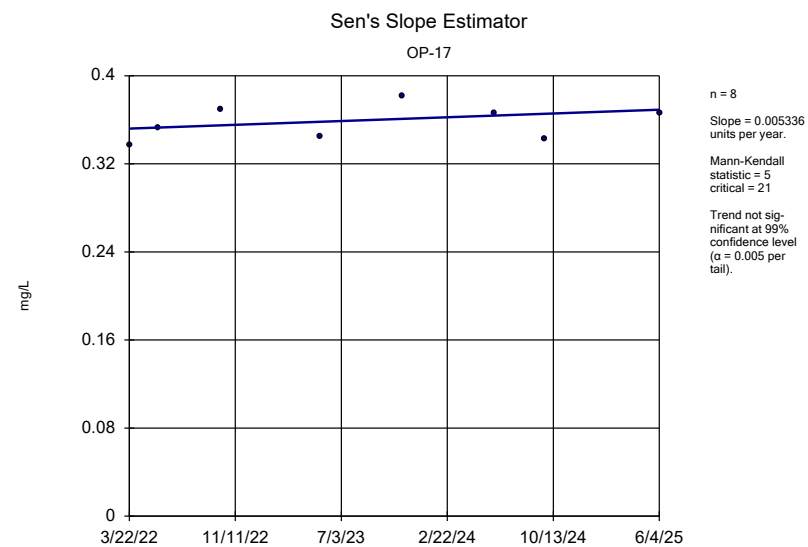
Constituent: Barium Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



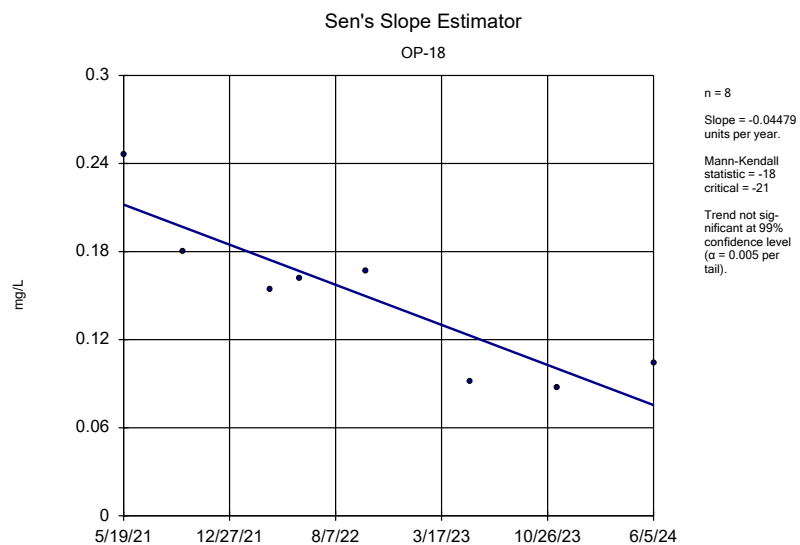
Constituent: Barium Analysis Run 9/11/2025 3:06 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



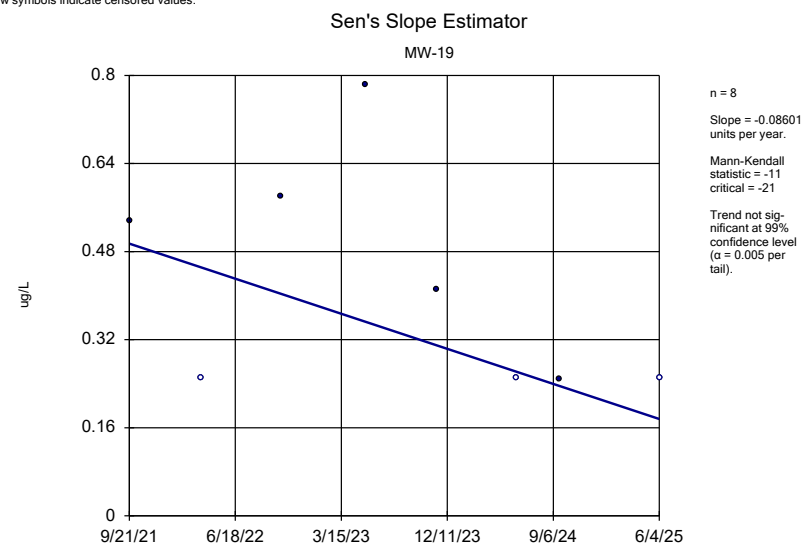
Constituent: Barium Analysis Run 9/11/2025 3:07 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



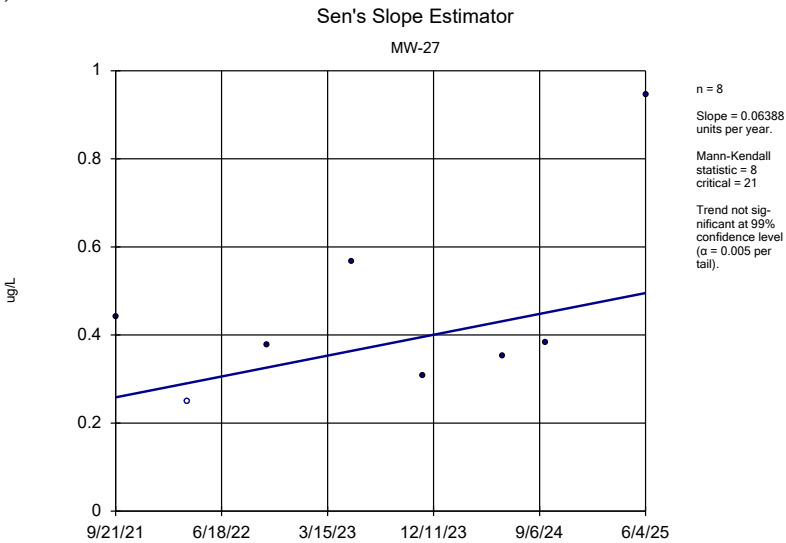
Constituent: Barium Analysis Run 9/11/2025 3:07 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



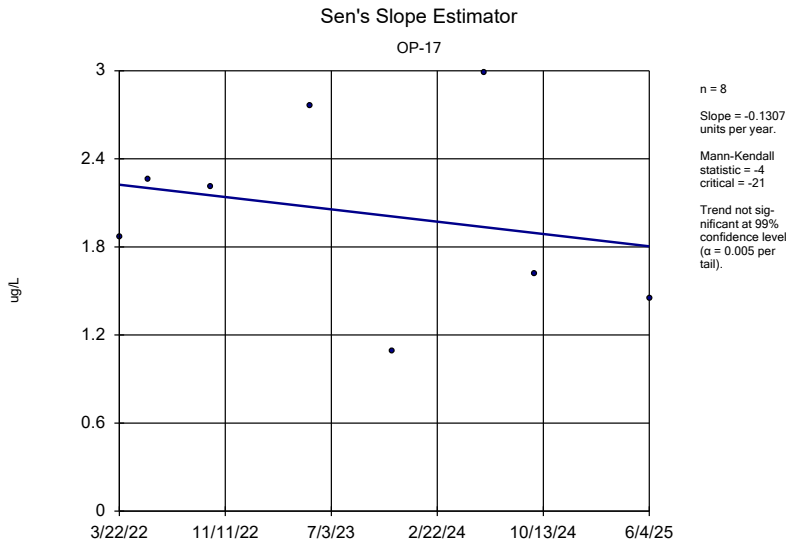
Constituent: Barium Analysis Run 9/11/2025 3:07 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



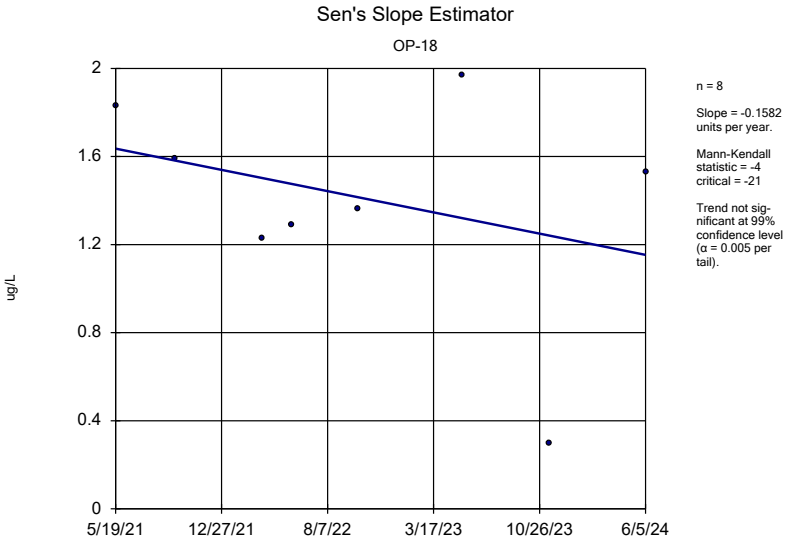
Constituent: Benzene Analysis Run 9/11/2025 3:07 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



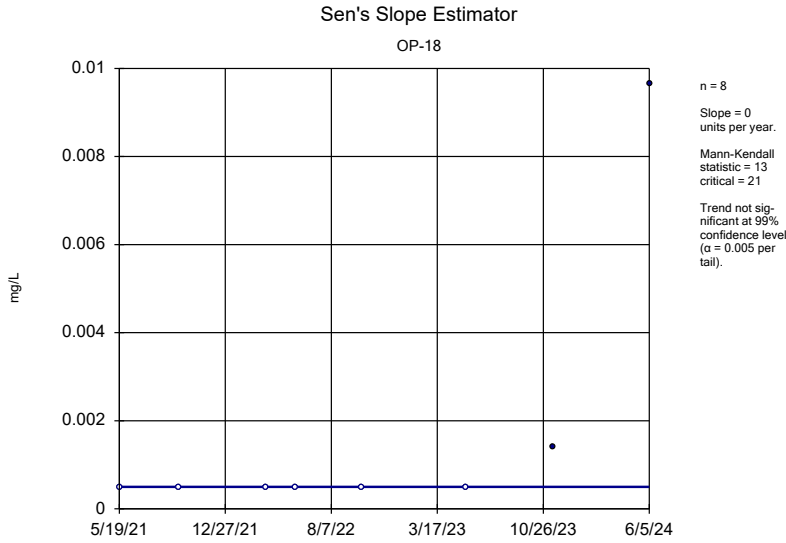
Constituent: Benzene Analysis Run 9/11/2025 3:07 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



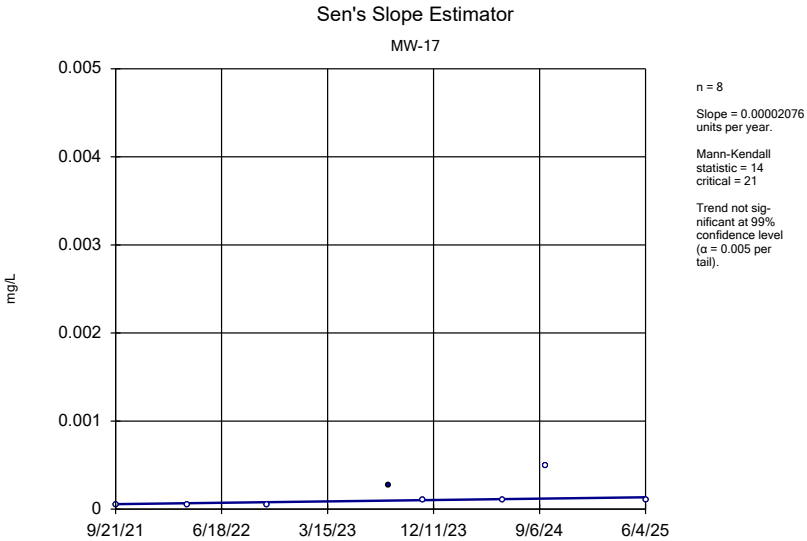
Constituent: Benzene Analysis Run 9/11/2025 3:07 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



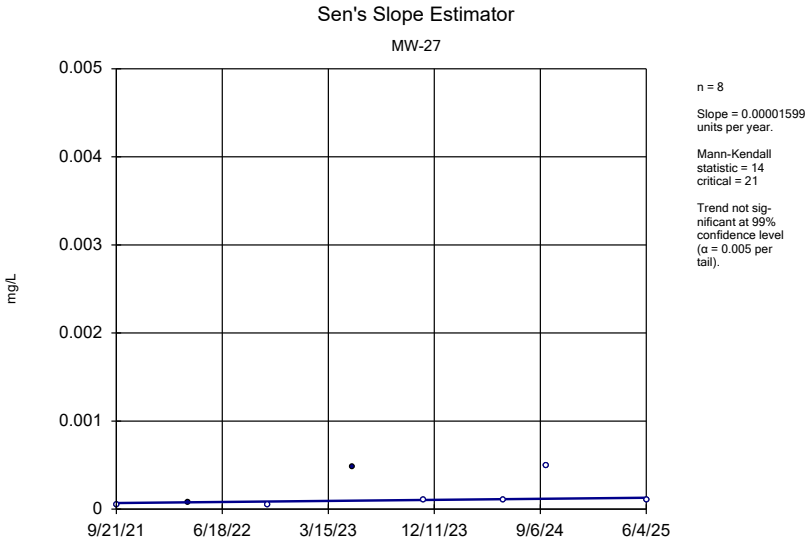
Constituent: Benzene Analysis Run 9/11/2025 3:07 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



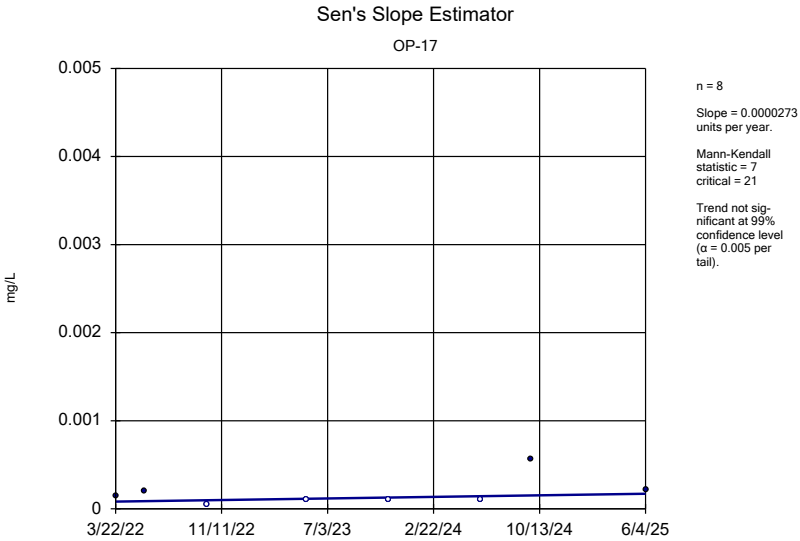
Constituent: Beryllium Analysis Run 9/11/2025 3:07 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



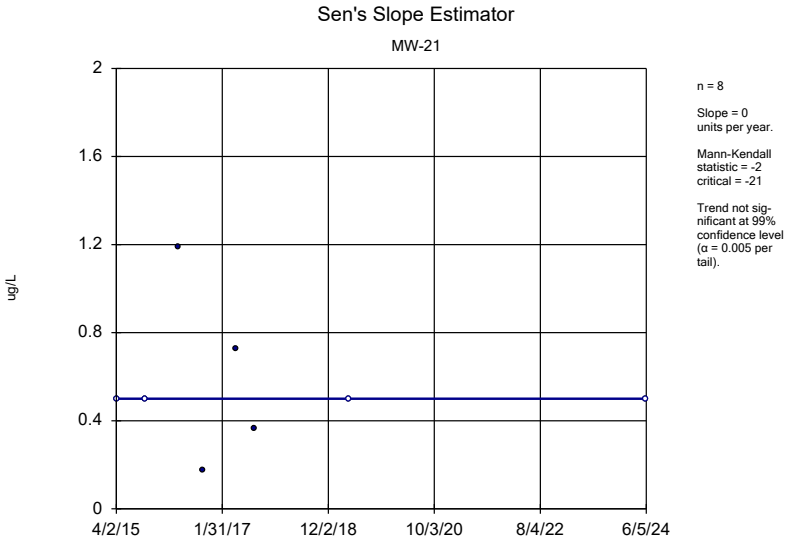
Constituent: Cadmium Analysis Run 9/11/2025 3:07 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



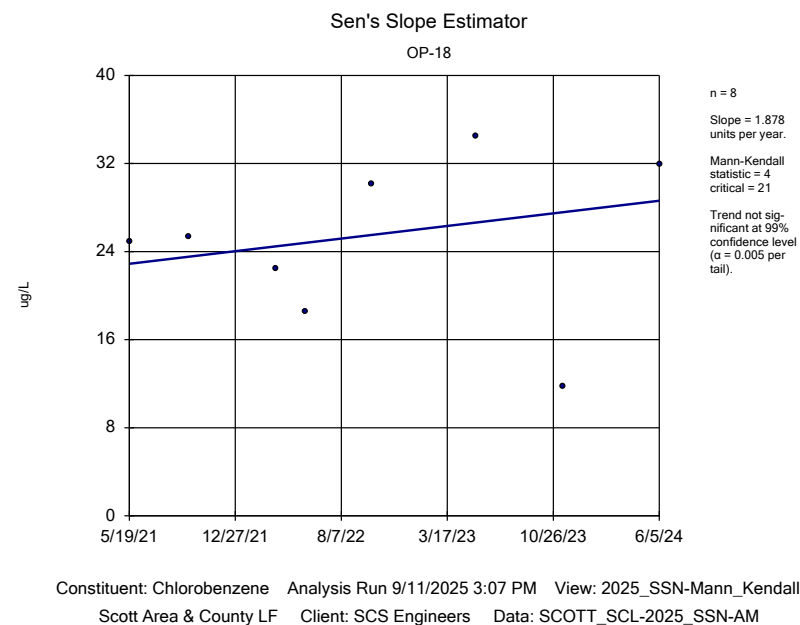
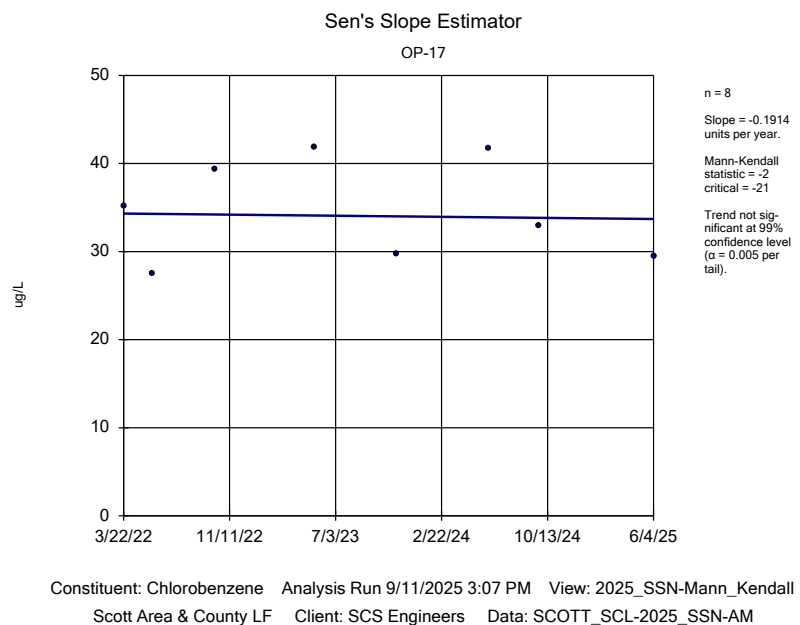
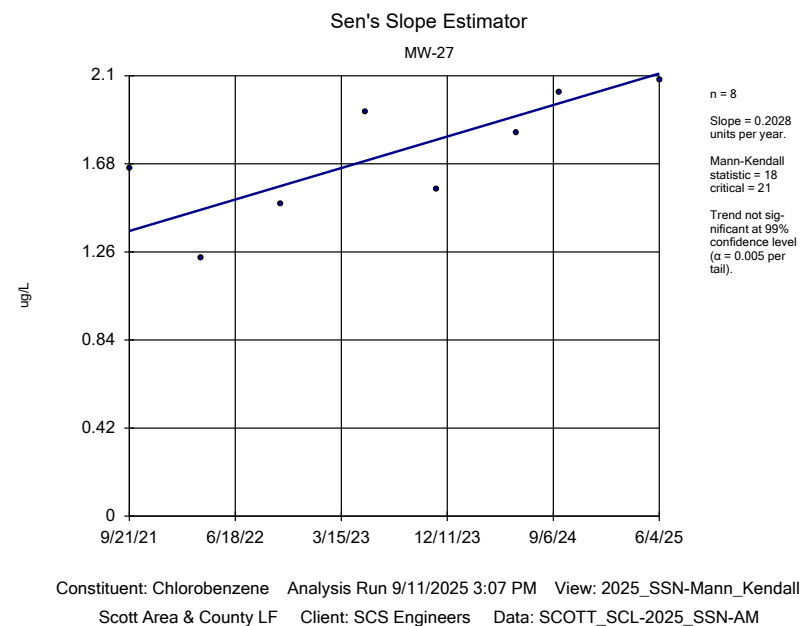
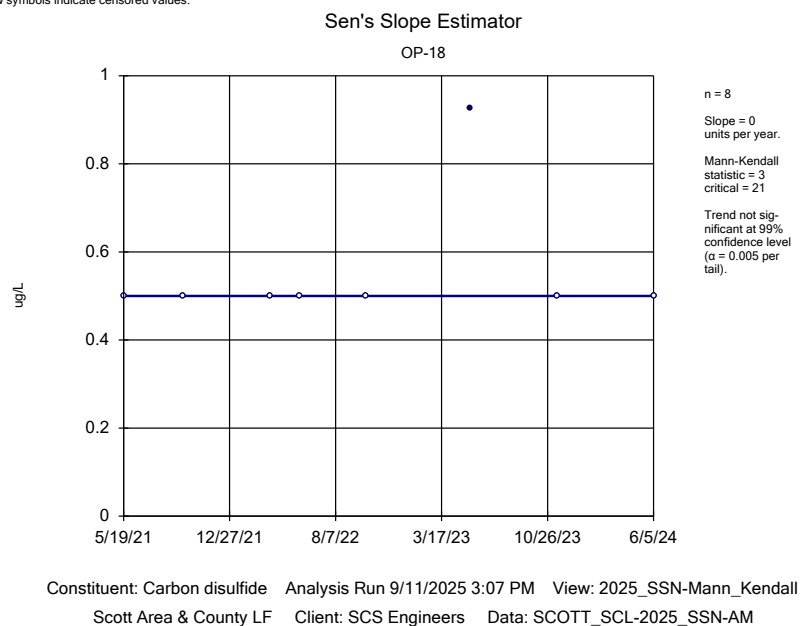
Constituent: Cadmium Analysis Run 9/11/2025 3:07 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

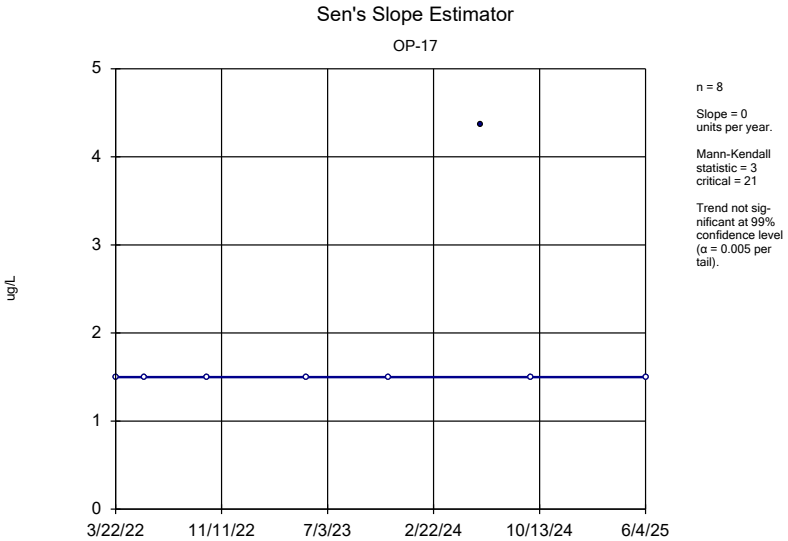


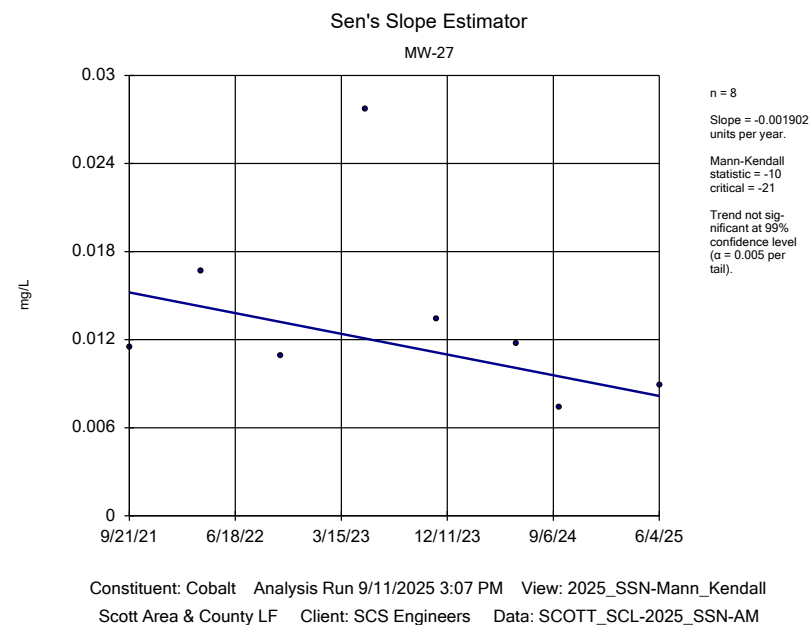
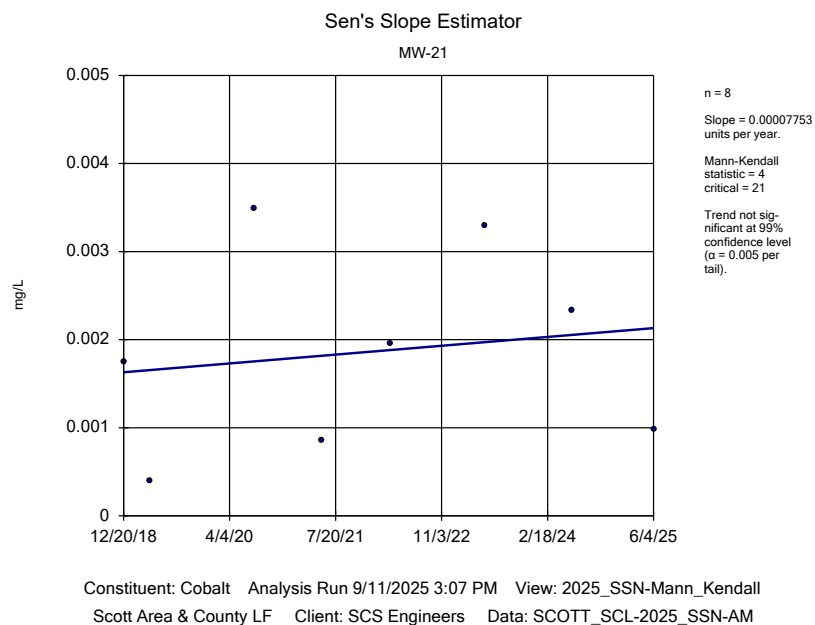
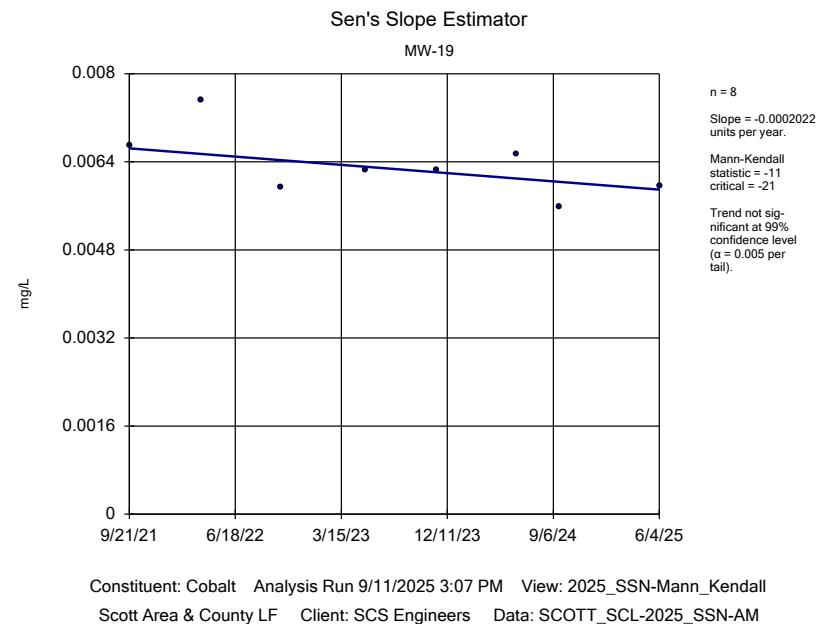
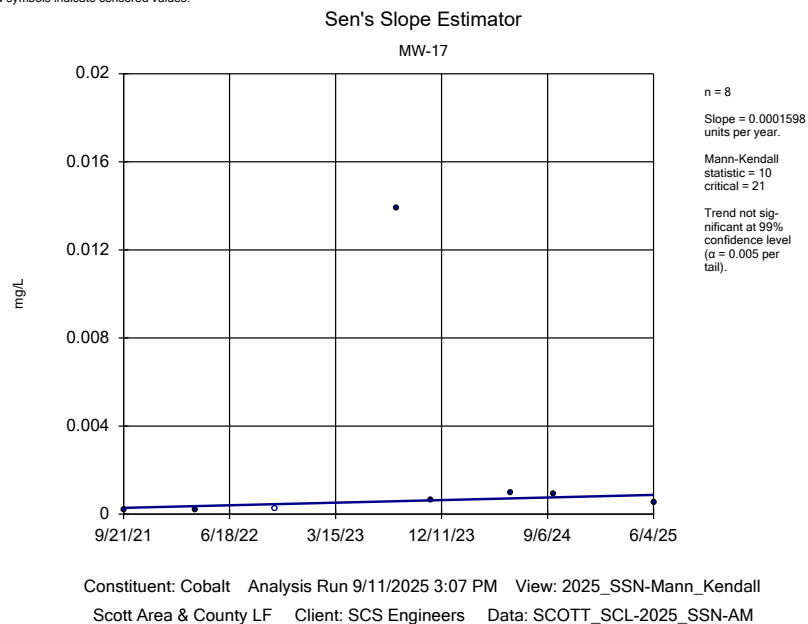
Constituent: Cadmium Analysis Run 9/11/2025 3:07 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

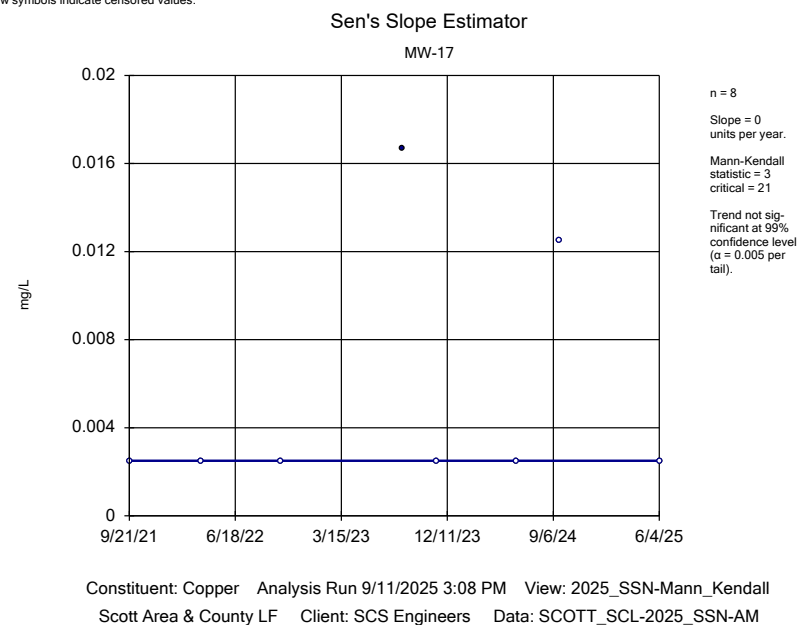
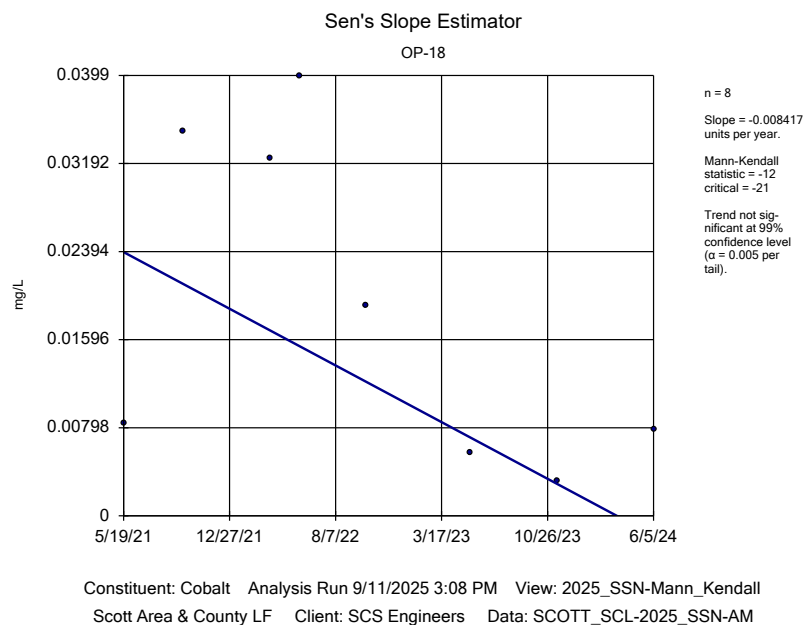
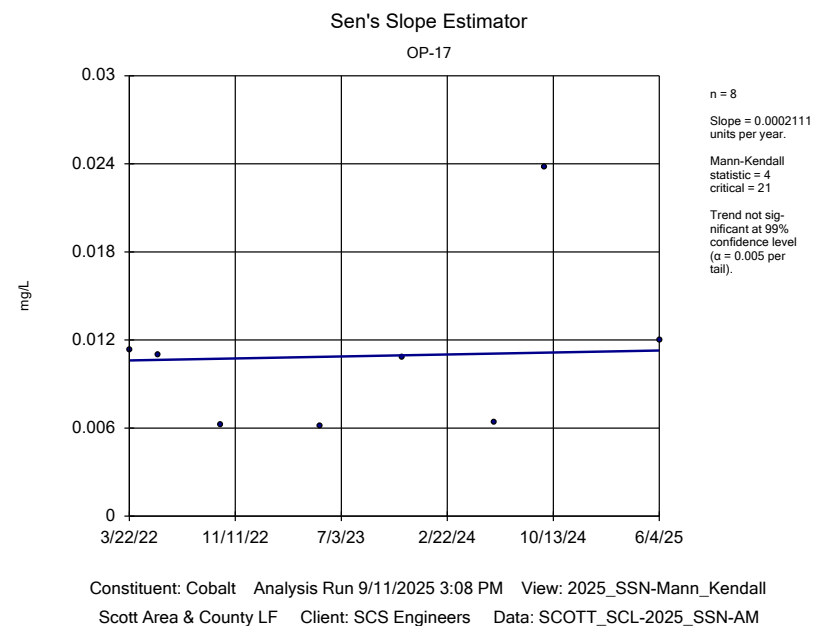
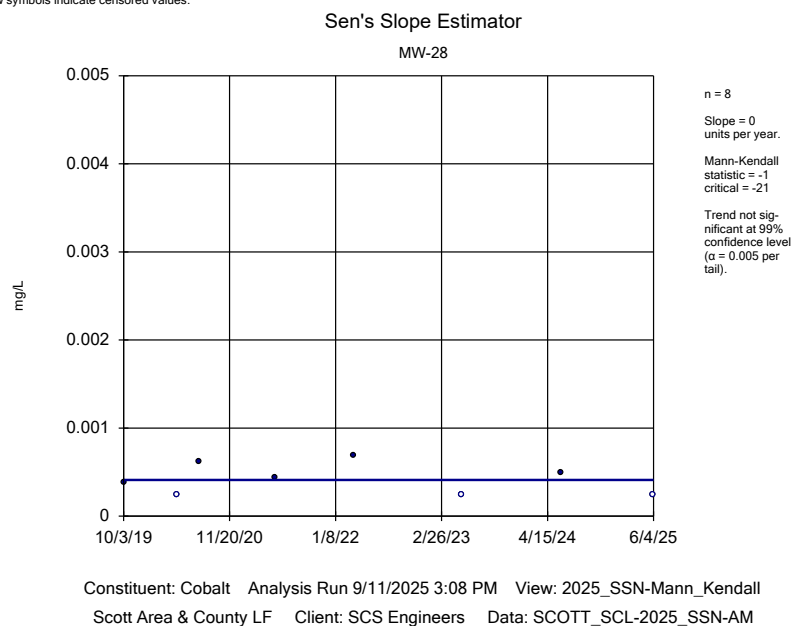


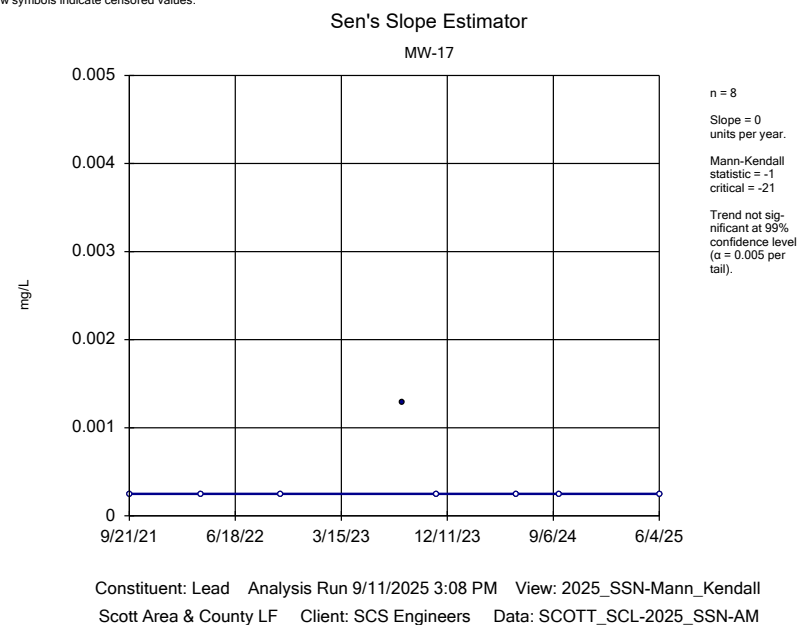
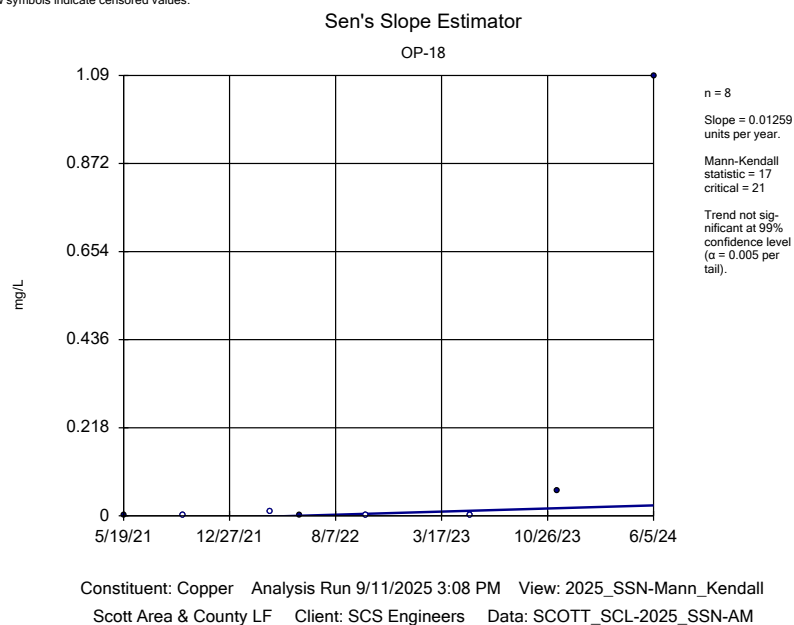
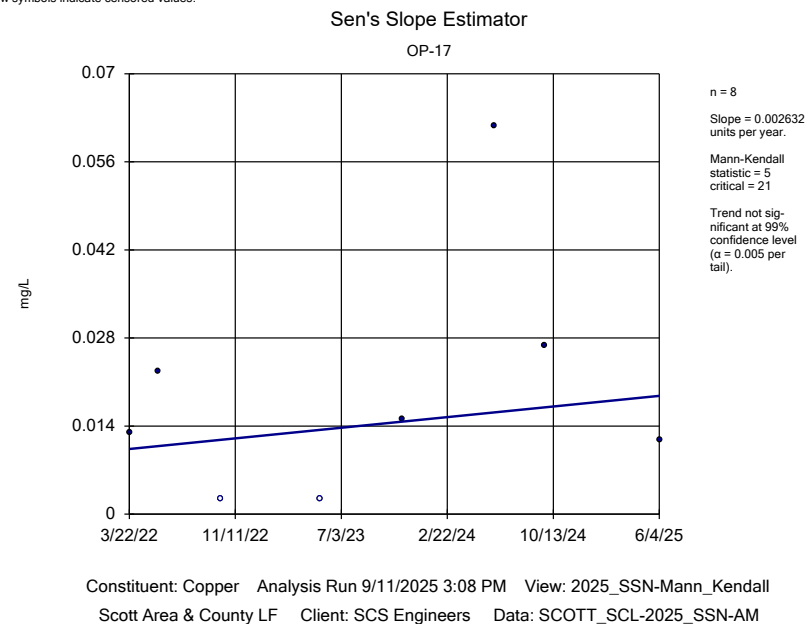
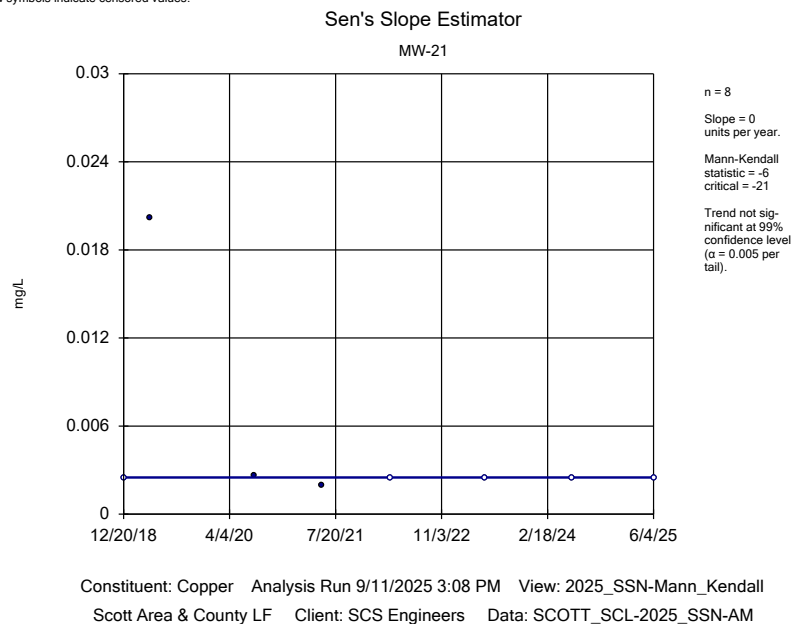
Constituent: Carbon disulfide Analysis Run 9/11/2025 3:07 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

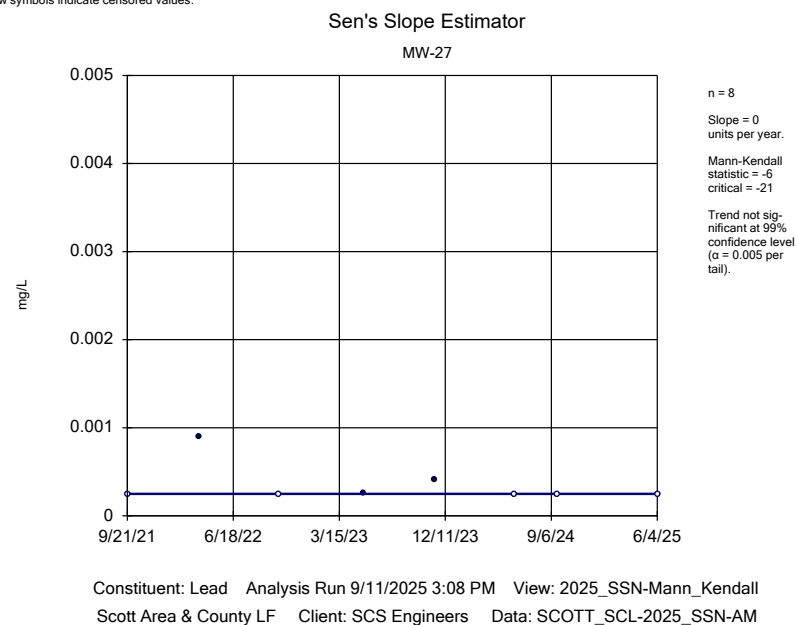
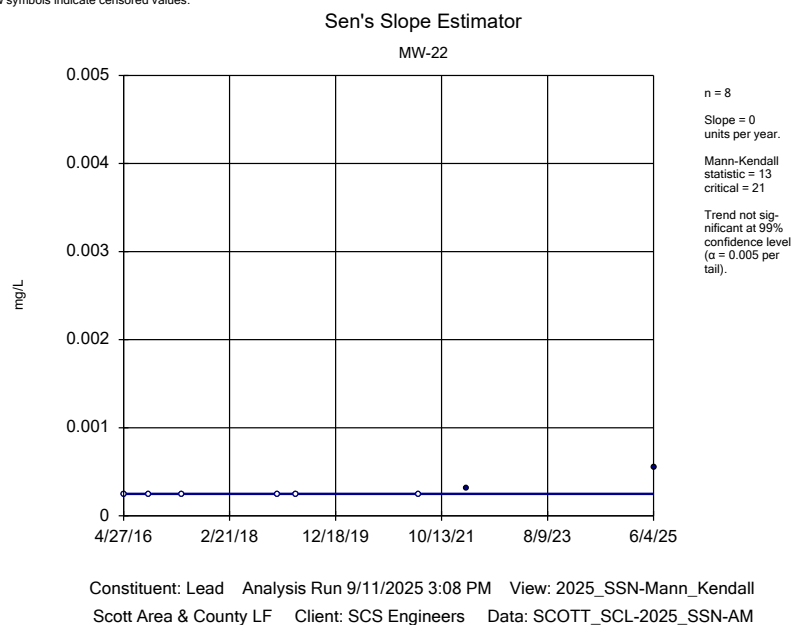
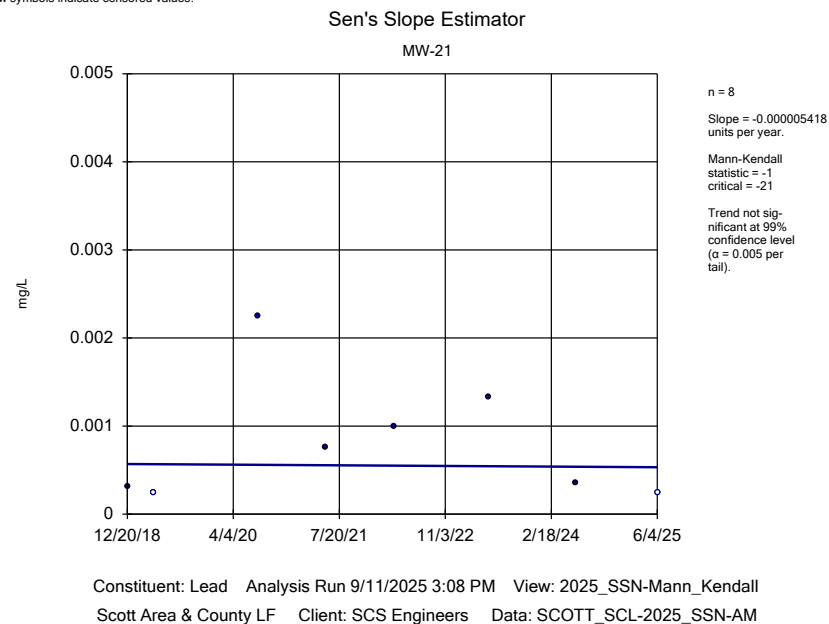
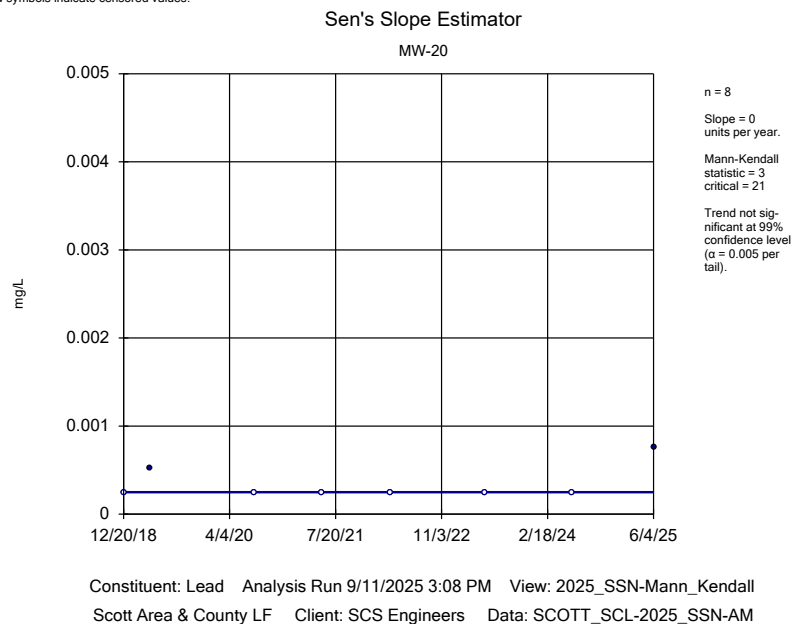


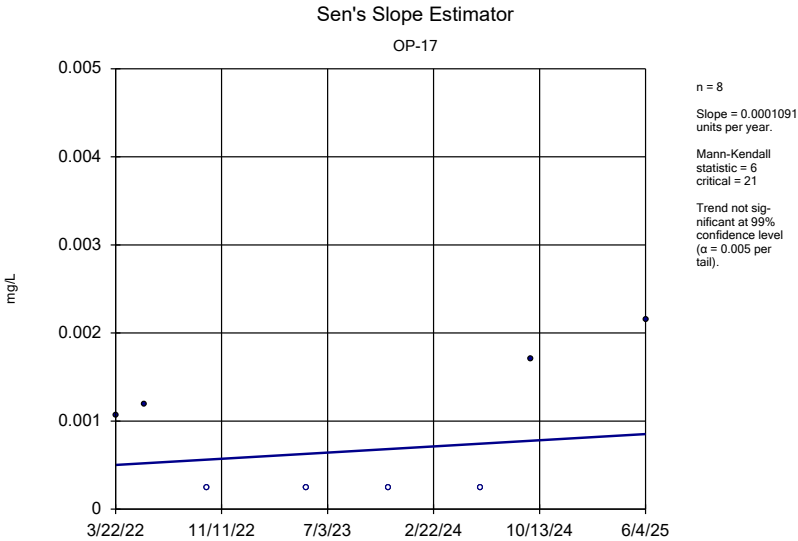




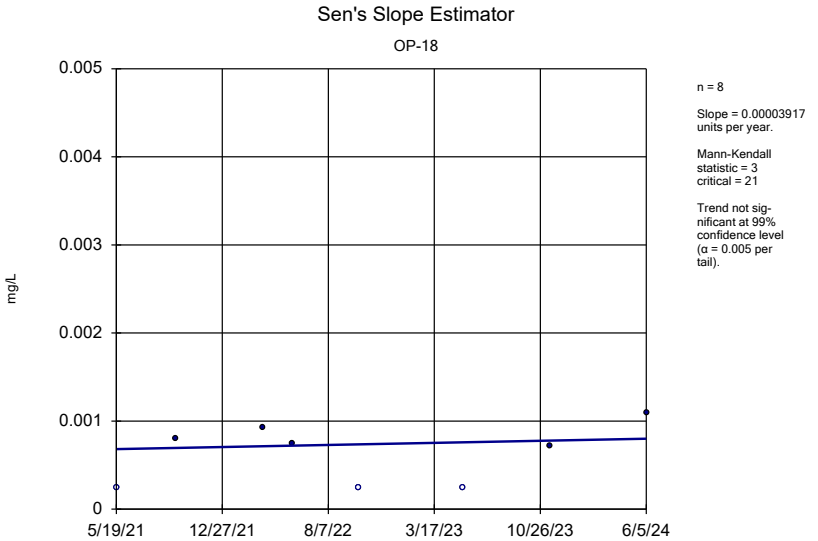




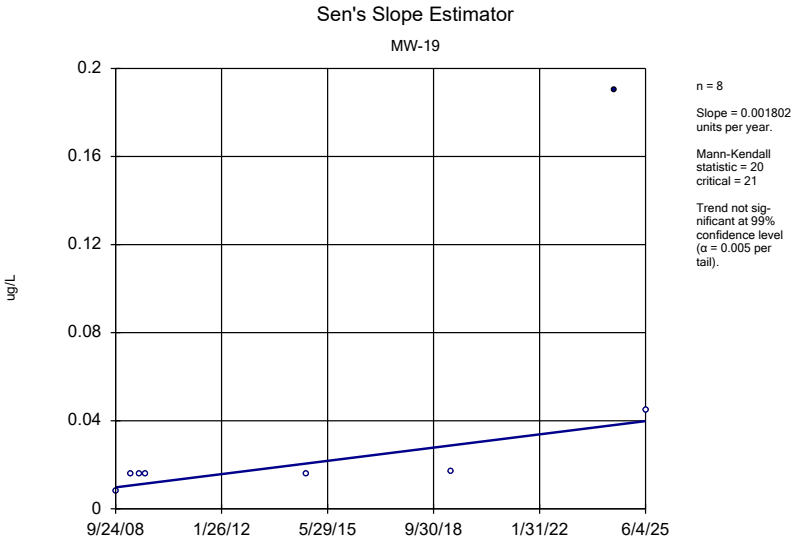




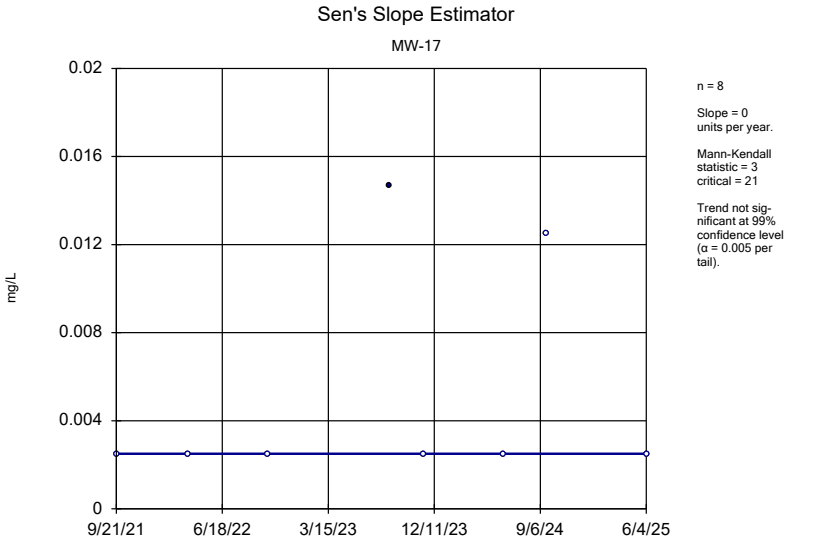
Constituent: Lead Analysis Run 9/11/2025 3:08 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



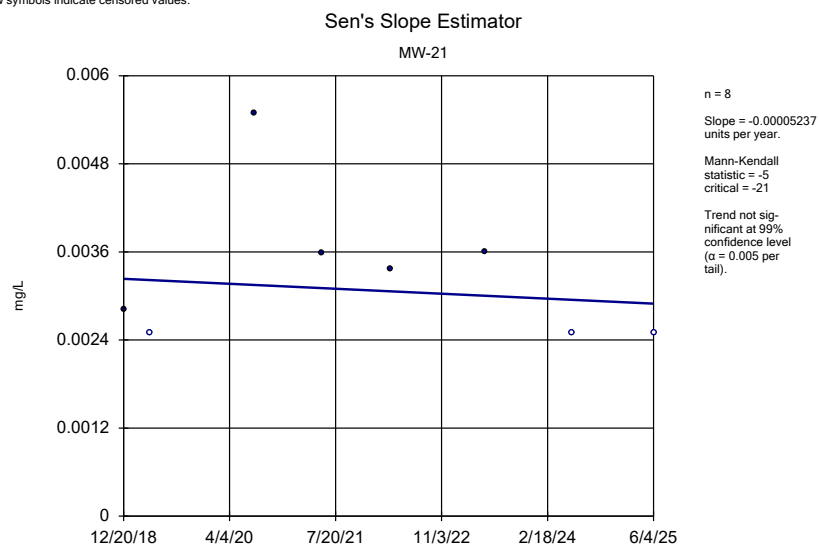
Constituent: Lead Analysis Run 9/11/2025 3:08 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



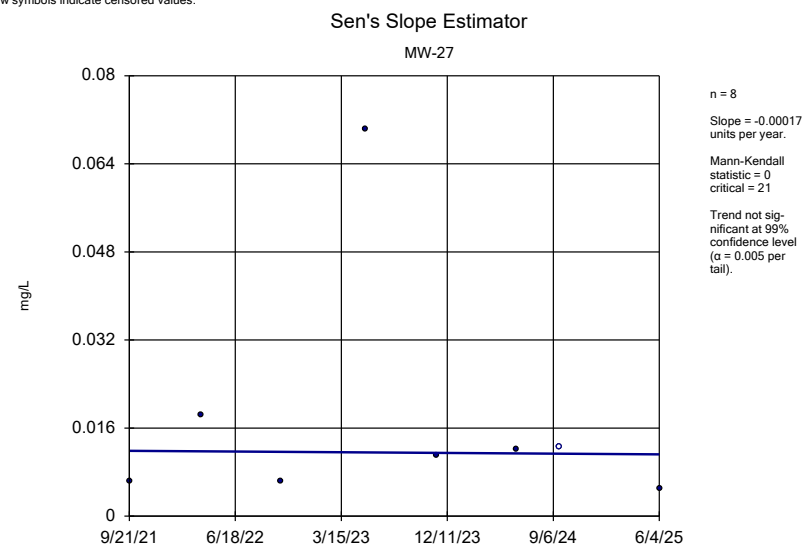
Constituent: Methoxychlor Analysis Run 9/11/2025 3:08 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



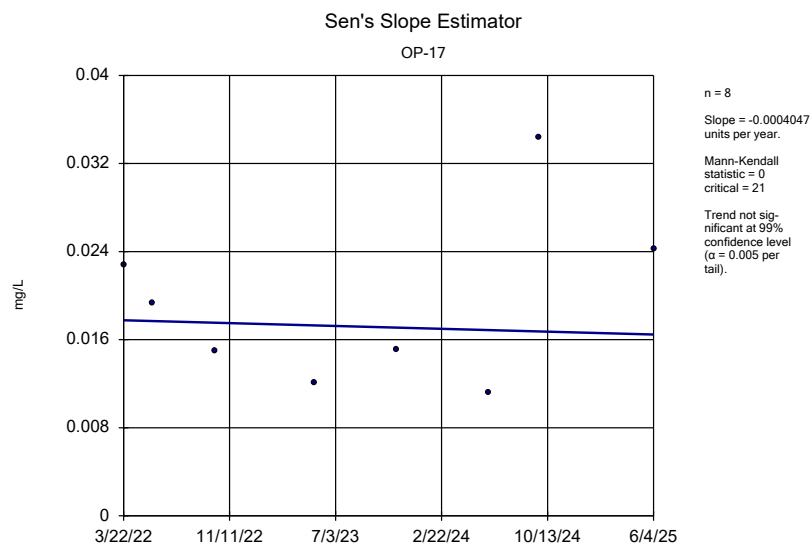
Constituent: Nickel Analysis Run 9/11/2025 3:08 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



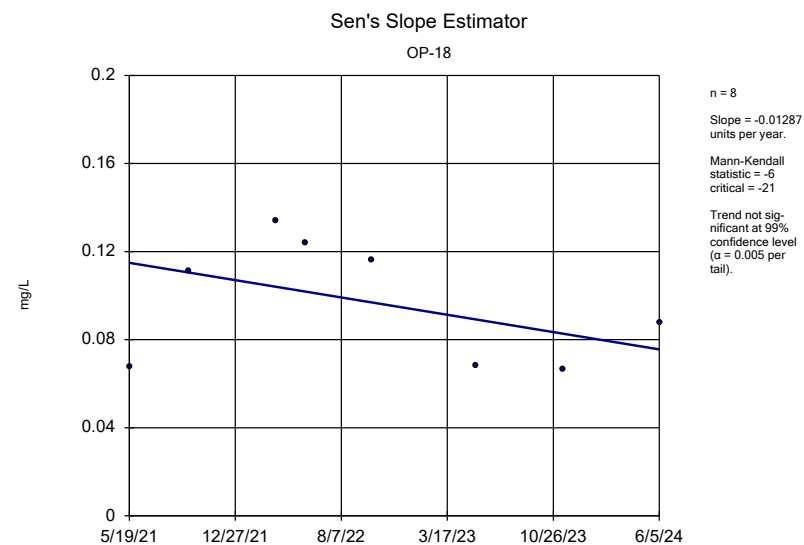
Constituent: Nickel Analysis Run 9/11/2025 3:08 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



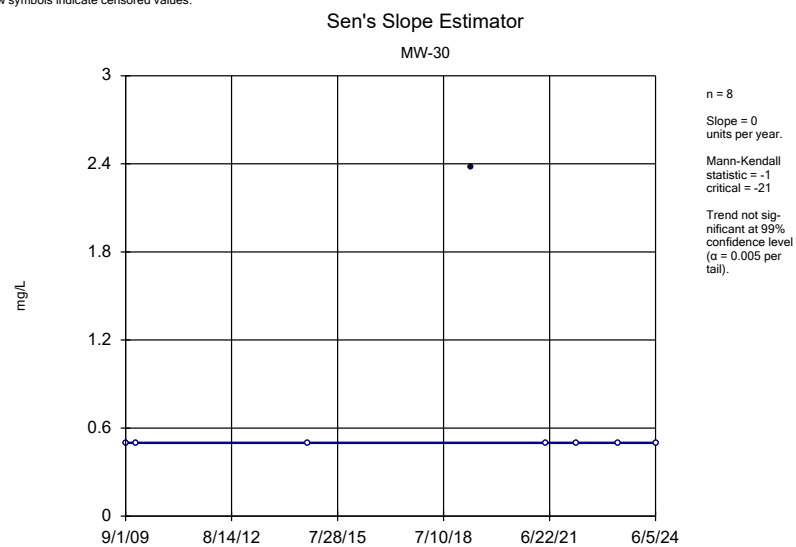
Constituent: Nickel Analysis Run 9/11/2025 3:08 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



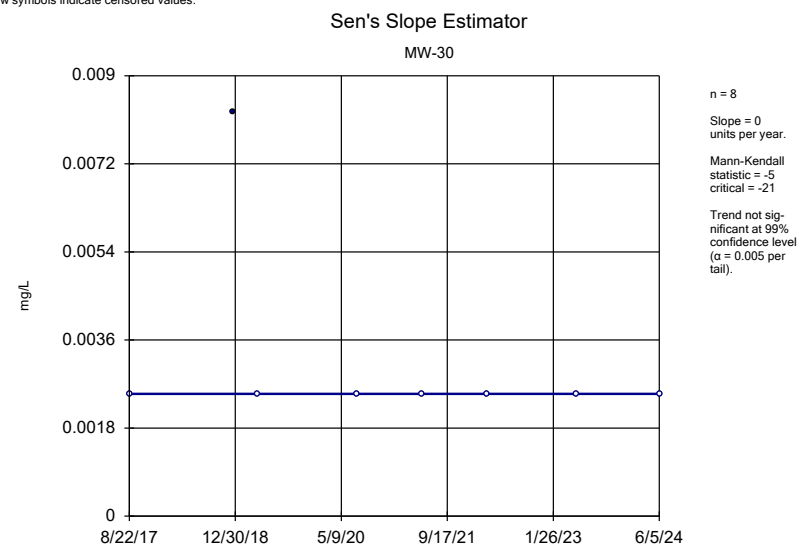
Constituent: Nickel Analysis Run 9/11/2025 3:08 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



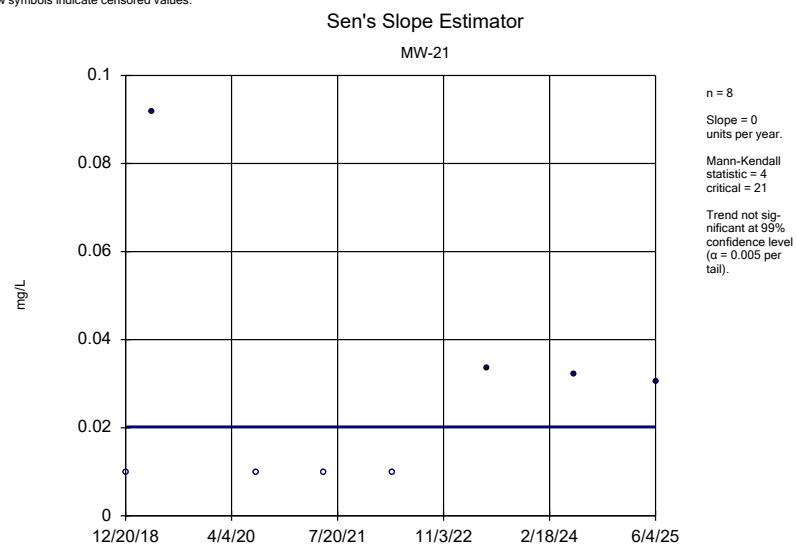
Constituent: Nickel Analysis Run 9/11/2025 3:08 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



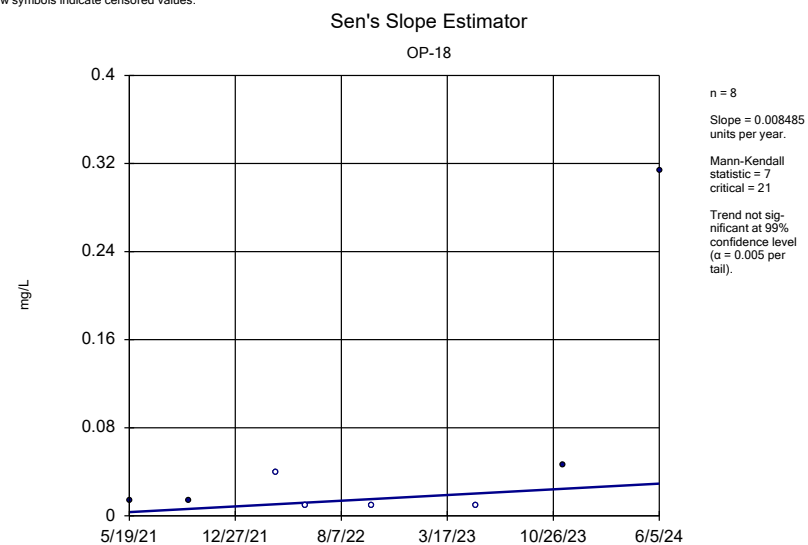
Constituent: Sulfide Analysis Run 9/11/2025 3:08 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



Constituent: Tin Analysis Run 9/11/2025 3:08 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



Constituent: Zinc Analysis Run 9/11/2025 3:08 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



Constituent: Zinc Analysis Run 9/11/2025 3:08 PM View: 2025_SSN-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Confidence Interval Summary Table and Graphs

Confidence Interval

Scott Area & County LF

Client: SCS Engineers

Data: SCOTT_SCL-2025_SSN-AM

Printed 9/11/2025, 4:18 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
1,1-Dichloroethane (ug/L)	MW-17	2.308	0.572	140	No	8	12.5	No	0.01	Param.
1,1-Dichloroethane (ug/L)	MW-27	2.965	1.994	140	No	8	0	No	0.01	Param.
1,2-Dichlorobenzene (ug/L)	OP-17	10.93	6.77	600	No	8	0	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	MW-19	1.02	0.1909	75	No	8	0	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	OP-17	13.98	8.816	75	No	8	0	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	OP-18	1.312	0.5112	75	No	8	25	No	0.01	Param.
Acetone (ug/L)	MW-27	13	5	6300	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-17	0.01915	0.0001964	0.01	No	8	12.5	No	0.01	Param.
Arsenic (mg/L)	MW-19	0.1224	0.004647	0.01	No	8	0	No	0.01	Param.
Arsenic (mg/L)	MW-21	0.004303	0.001137	0.01	No	8	0	No	0.01	Param.
Arsenic (mg/L)	MW-27	0.005251	0.002334	0.01	No	8	0	No	0.01	Param.
Arsenic (mg/L)	OP-17	0.01985	0.008834	0.01	No	8	0	No	0.01	Param.
Arsenic (mg/L)	OP-18	0.0768	0.0068	0.01	No	8	0	No	0.004	NP (normality)
Barium (mg/L)	MW-19	0.1636	0.1147	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-20	0.3185	0.2669	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-21	0.2844	0.1791	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-22	0.04549	0.02571	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-27	0.173	0.1332	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-28	0.2173	0.1724	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-30	0.1773	0.09247	2	No	8	0	No	0.01	Param.
Barium (mg/L)	OP-17	0.3741	0.3412	2	No	8	0	No	0.01	Param.
Barium (mg/L)	OP-18	0.2057	0.09234	2	No	8	0	No	0.01	Param.
Benzene (ug/L)	MW-19	0.6278	0.2604	5	No	8	37.5	No	0.01	Param.
Benzene (ug/L)	MW-27	0.6864	0.22	5	No	8	12.5	No	0.01	Param.
Benzene (ug/L)	OP-17	2.72	1.343	5	No	8	0	No	0.01	Param.
Benzene (ug/L)	OP-18	1.927	0.847	5	No	8	0	No	0.01	Param.
Beryllium (mg/L)	OP-18	0.00965	0.0005	0.004	No	8	75	No	0.004	NP (NDs)
Cadmium (mg/L)	MW-17	0.0005	0.00005	0.005	No	8	87.5	No	0.004	NP (NDs)
Cadmium (mg/L)	MW-27	0.0005	0.00005	0.005	No	8	75	No	0.004	NP (NDs)
Cadmium (mg/L)	OP-17	0.00056	0.00005	0.005	No	8	50	No	0.004	NP (normality)
Carbon disulfide (ug/L)	MW-21	0.87	0.166	700	No	8	50	No	0.01	Param.
Carbon disulfide (ug/L)	OP-18	0.925	0.5	700	No	8	87.5	No	0.004	NP (NDs)
Chlorobenzene (ug/L)	MW-27	2.035	1.415	100	No	8	0	No	0.01	Param.
Chlorobenzene (ug/L)	OP-17	40.78	28.62	100	No	8	0	No	0.01	Param.
Chlorobenzene (ug/L)	OP-18	32.81	17.1	100	No	8	0	No	0.01	Param.
Chloromethane (ug/L)	OP-17	4.36	1.5	3	No	8	87.5	No	0.004	NP (NDs)
cis-1,2-Dichloroethene (ug/L)	MW-17	6.137	0.2963	70	No	8	12.5	No	0.01	Param.
cis-1,2-Dichloroethene (ug/L)	MW-19	3.795	1.467	70	No	8	0	No	0.01	Param.
cis-1,2-Dichloroethene (ug/L)	MW-27	34.05	26.44	70	No	8	0	No	0.01	Param.
Cobalt (mg/L)	MW-17	0.0139	0.000213	0.003648	No	8	12.5	No	0.004	NP (normality)
Cobalt (mg/L)	MW-19	0.006972	0.00572	0.003648	Yes	8	0	No	0.01	Param.
Cobalt (mg/L)	MW-21	0.003073	0.0006876	0.003648	No	8	0	No	0.01	Param.
Cobalt (mg/L)	MW-27	0.02028	0.006767	0.003648	Yes	8	0	No	0.01	Param.
Cobalt (mg/L)	MW-28	0.0005957	0.0003707	0.003648	No	8	37.5	No	0.01	Param.
Cobalt (mg/L)	OP-17	0.01707	0.004849	0.003648	Yes	8	0	No	0.01	Param.
Cobalt (mg/L)	OP-18	0.03458	0.003235	0.003648	No	8	0	No	0.01	Param.
Copper (mg/L)	MW-17	0.0167	0.0025	1.3	No	8	87.5	No	0.004	NP (NDs)
Copper (mg/L)	MW-21	0.0202	0.001975	1.3	No	8	62.5	No	0.004	NP (NDs)
Copper (mg/L)	OP-17	0.03847	0.001826	1.3	No	8	25	No	0.01	Param.
Copper (mg/L)	OP-18	1.09	0.00148	1.3	No	8	50	No	0.004	NP (normality)

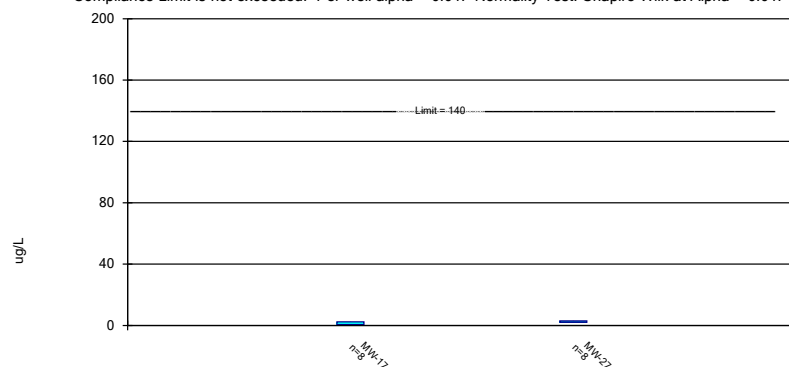
Confidence Interval

Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM Printed 9/11/2025, 4:18 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Lead (mg/L)	MW-17	0.00129	0.00025	0.015	No	8	87.5	No	0.004	NP (NDs)
Lead (mg/L)	MW-20	0.00076	0.00025	0.015	No	8	75	No	0.004	NP (NDs)
Lead (mg/L)	MW-21	0.001512	0.0001546	0.015	No	8	25	No	0.01	Param.
Lead (mg/L)	MW-22	0.000553	0.00025	0.015	No	8	75	No	0.004	NP (NDs)
Lead (mg/L)	MW-27	0.000896	0.00025	0.015	No	8	62.5	No	0.004	NP (NDs)
Lead (mg/L)	OP-17	0.001645	0.0003798	0.015	No	8	50	No	0.01	Param.
Lead (mg/L)	OP-18	0.0009421	0.0005051	0.015	No	8	37.5	No	0.01	Param.
Methoxychlor (ug/L)	MW-19	0.19	0.008	40	No	8	87.5	No	0.004	NP (NDs)
Nickel (mg/L)	MW-17	0.0147	0.0025	0.1	No	8	87.5	No	0.004	NP (NDs)
Nickel (mg/L)	MW-21	0.004426	0.00279	0.1	No	8	37.5	No	0.01	Param.
Nickel (mg/L)	MW-27	0.0702	0.00506	0.1	No	8	12.5	No	0.004	NP (normality)
Nickel (mg/L)	OP-17	0.02745	0.01106	0.1	No	8	0	No	0.01	Param.
Nickel (mg/L)	OP-18	0.1262	0.06759	0.1	No	8	0	No	0.01	Param.
Sulfide (mg/L)	MW-30	2.38	0.5	1	No	8	87.5	No	0.004	NP (NDs)
Tin (mg/L)	MW-30	0.00825	0.0025	4.2	No	8	87.5	No	0.004	NP (NDs)
Zinc (mg/L)	MW-21	0.0917	0.01	2	No	8	50	No	0.004	NP (normality)
Zinc (mg/L)	OP-18	0.314	0.01	2	No	8	50	No	0.004	NP (normality)

Parametric Confidence Interval

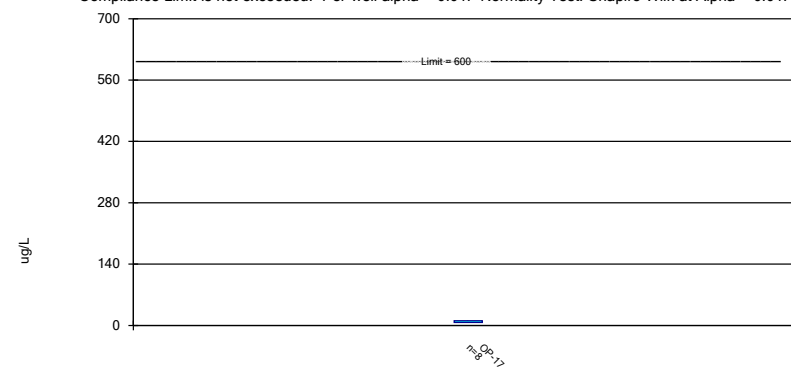
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: 1,1-Dichloroethane Analysis Run 9/11/2025 4:15 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Parametric Confidence Interval

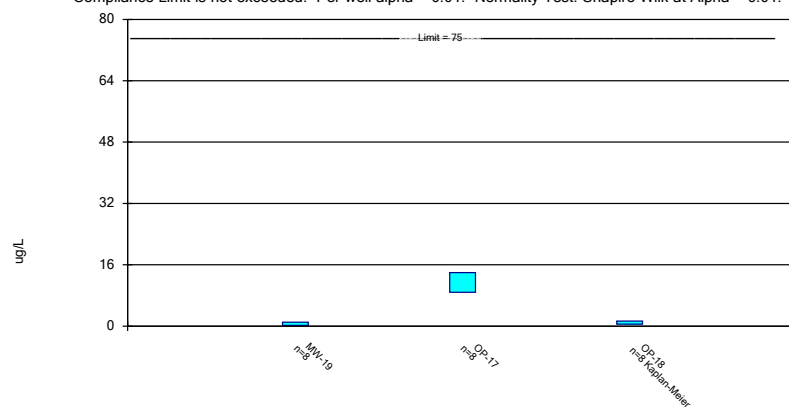
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: 1,2-Dichlorobenzene Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Parametric Confidence Interval

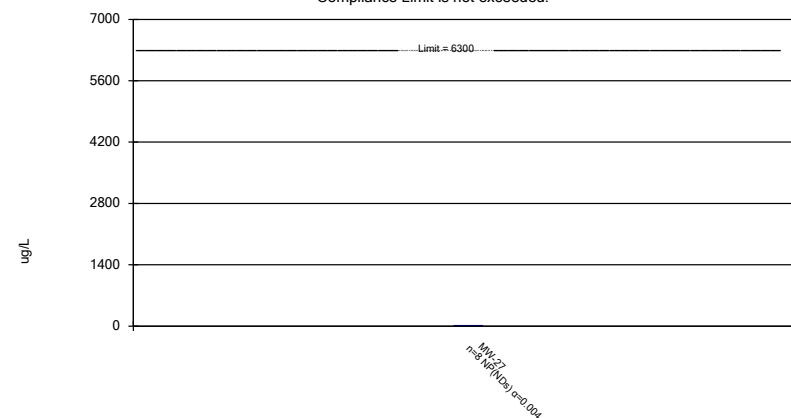
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: 1,4-Dichlorobenzene Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Non-Parametric Confidence Interval

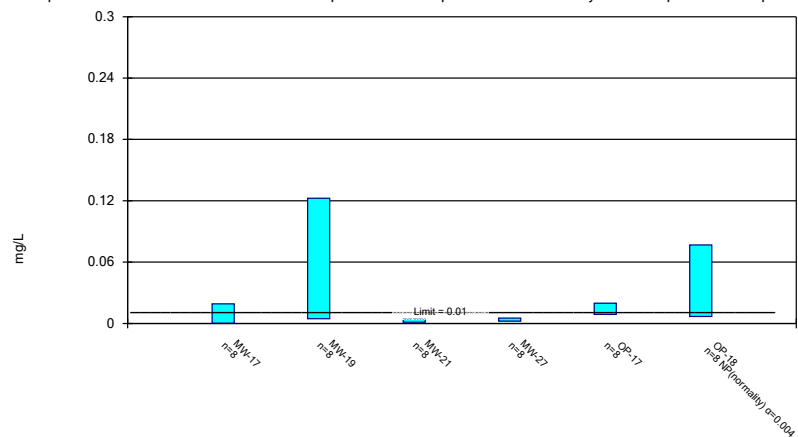
Compliance Limit is not exceeded.



Constituent: Acetone Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Parametric and Non-Parametric (NP) Confidence Interval

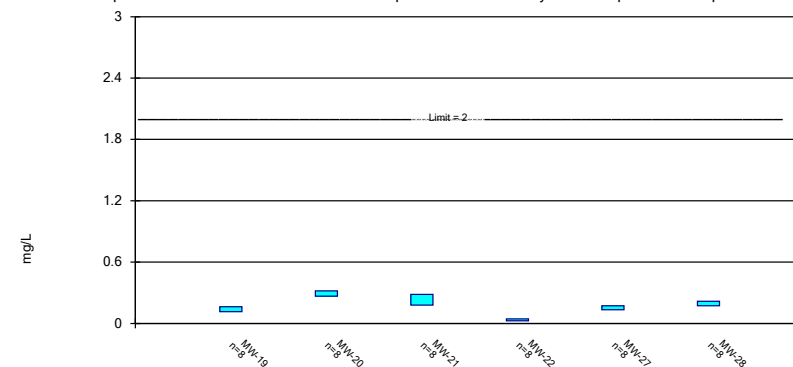
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Arsenic Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
 Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Parametric Confidence Interval

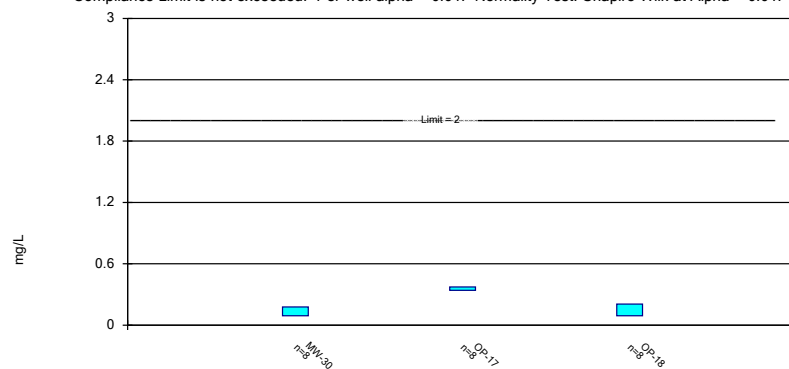
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Barium Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
 Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Parametric Confidence Interval

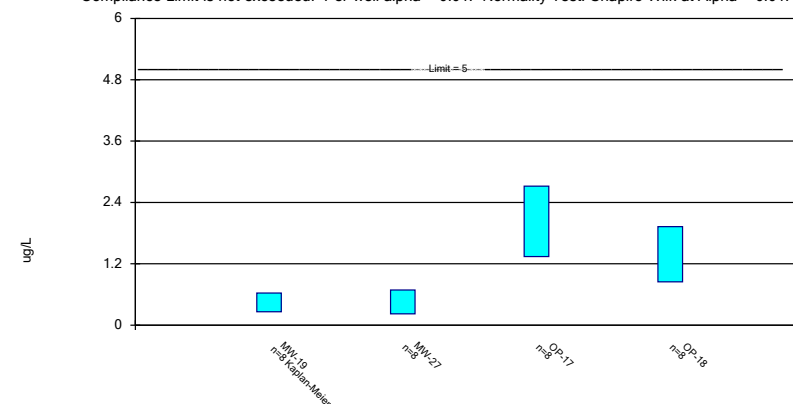
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



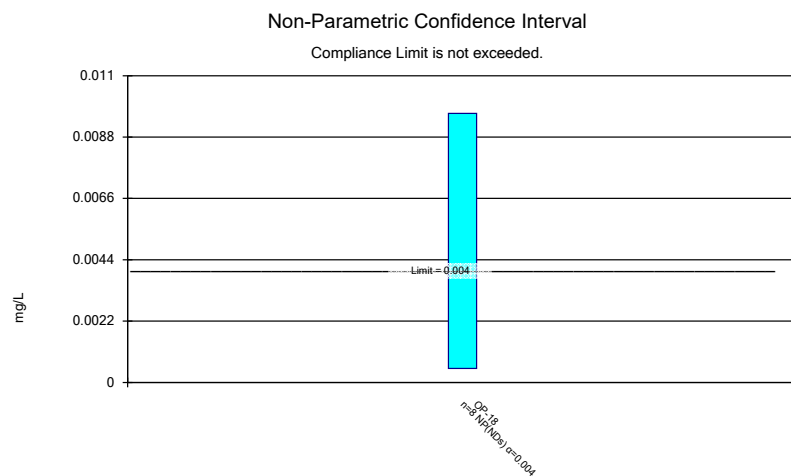
Constituent: Barium Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
 Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Parametric Confidence Interval

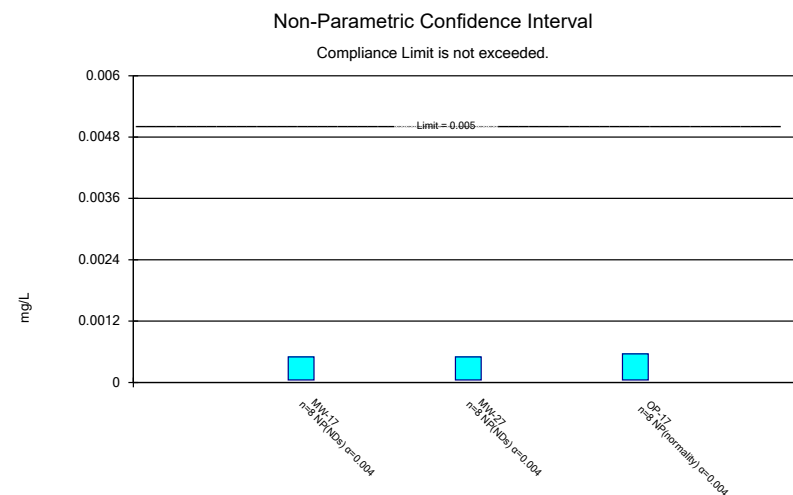
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



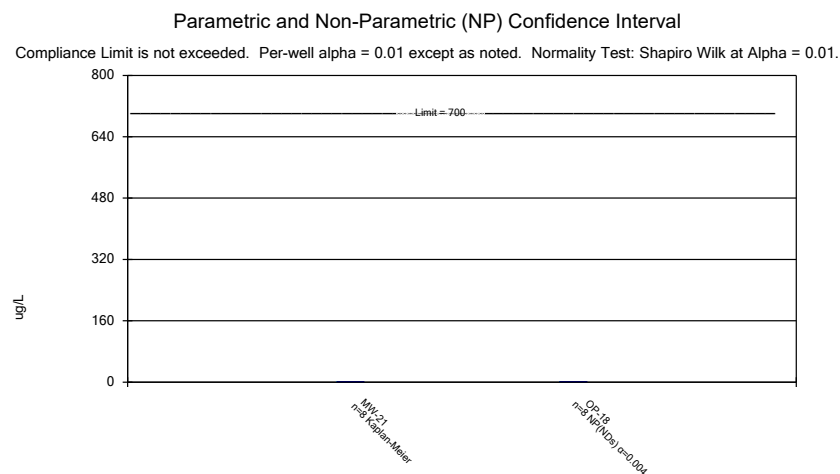
Constituent: Benzene Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
 Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



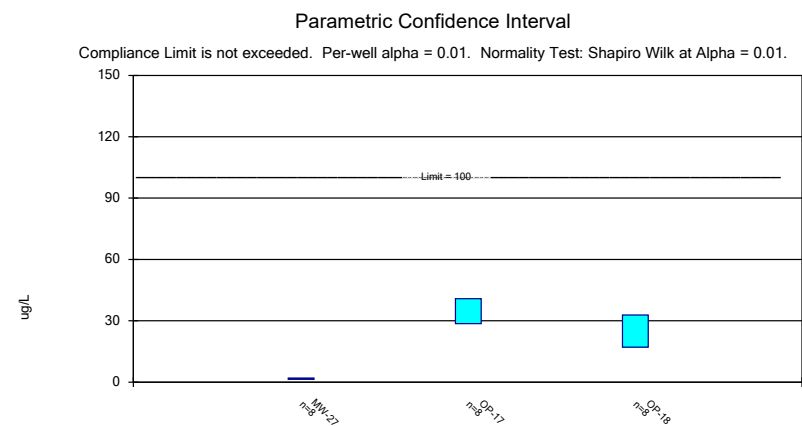
Constituent: Beryllium Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



Constituent: Cadmium Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



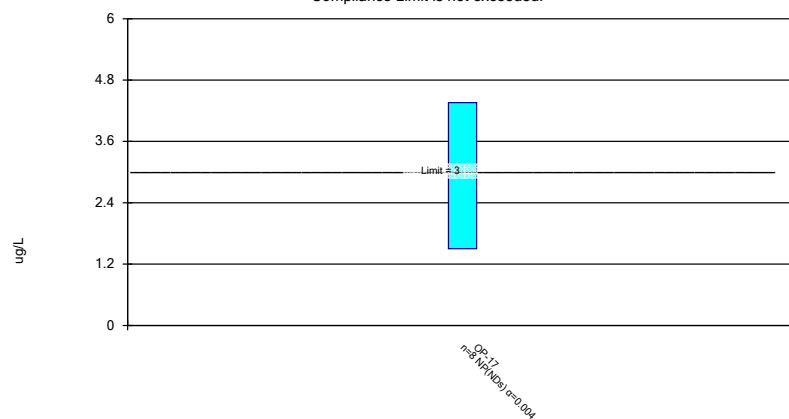
Constituent: Carbon disulfide Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM



Constituent: Chlorobenzene Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Non-Parametric Confidence Interval

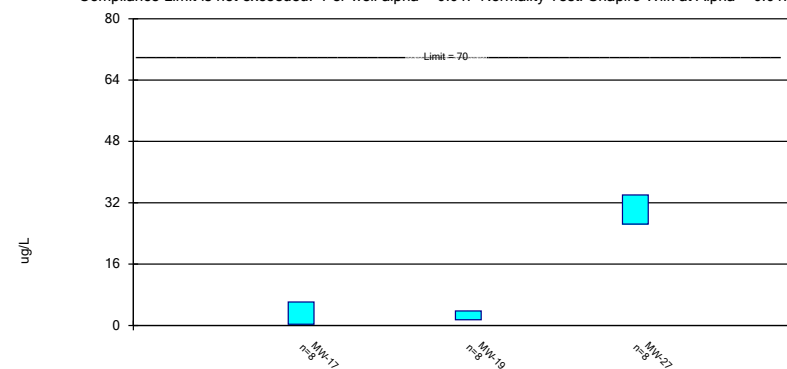
Compliance Limit is not exceeded.



Constituent: Chloromethane Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Parametric Confidence Interval

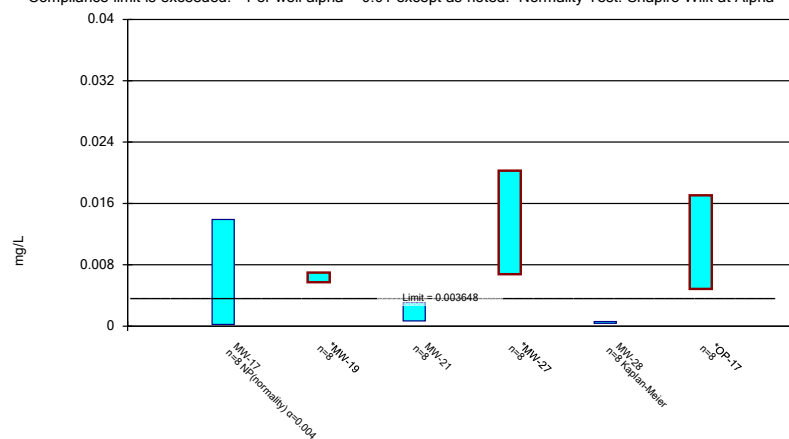
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: cis-1,2-Dichloroethene Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Parametric and Non-Parametric (NP) Confidence Interval

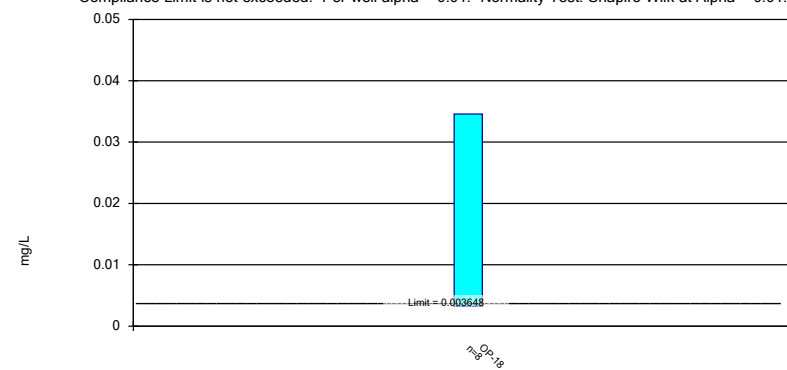
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Cobalt Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Parametric Confidence Interval

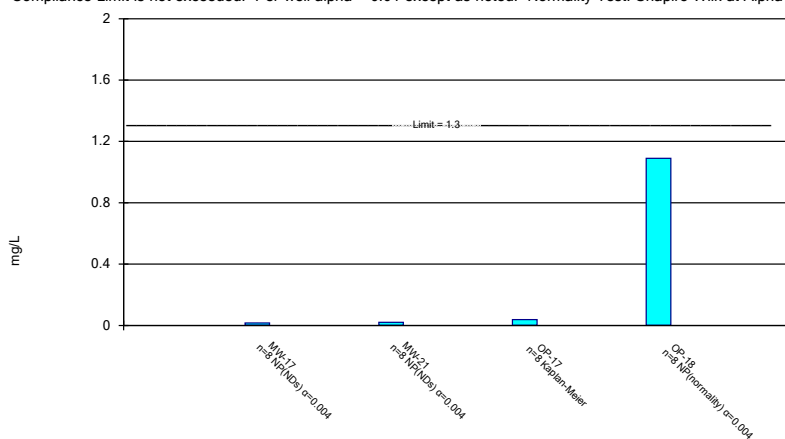
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Cobalt Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Parametric and Non-Parametric (NP) Confidence Interval

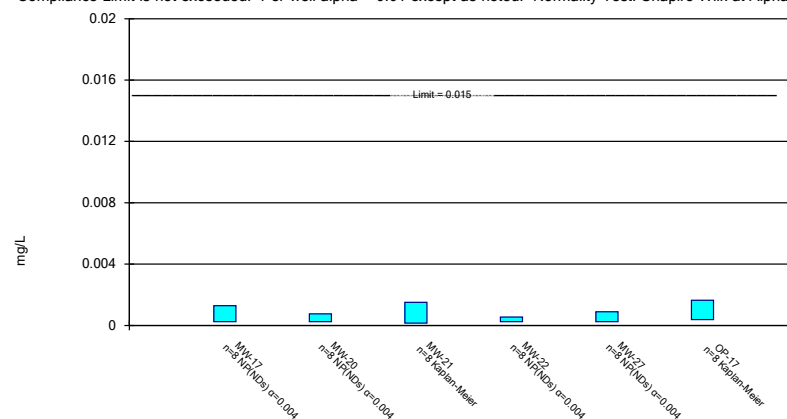
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Copper Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Parametric and Non-Parametric (NP) Confidence Interval

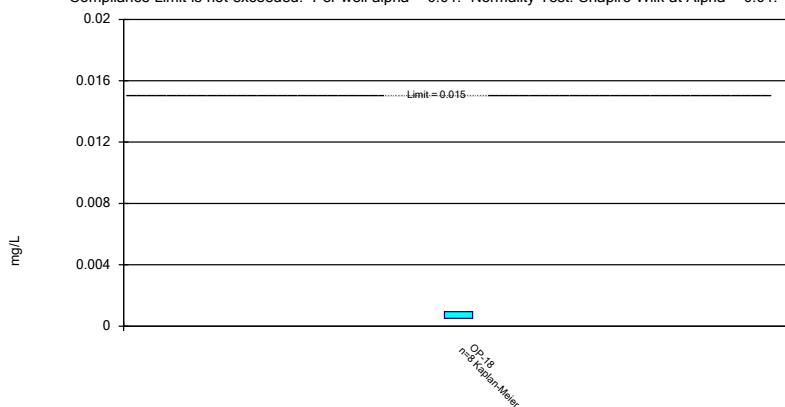
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Lead Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Parametric Confidence Interval

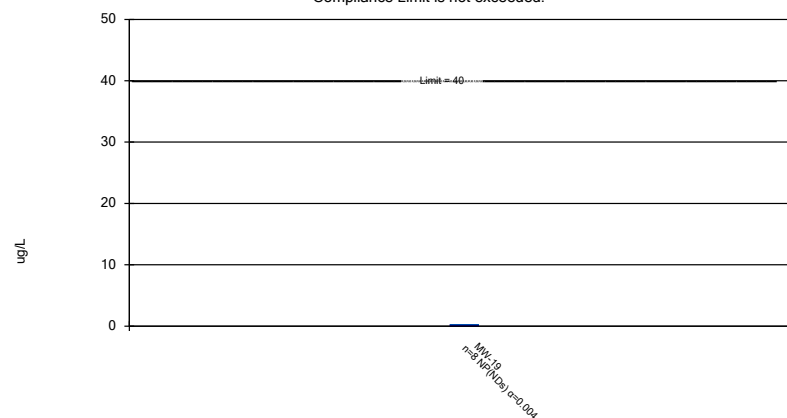
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Lead Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Non-Parametric Confidence Interval

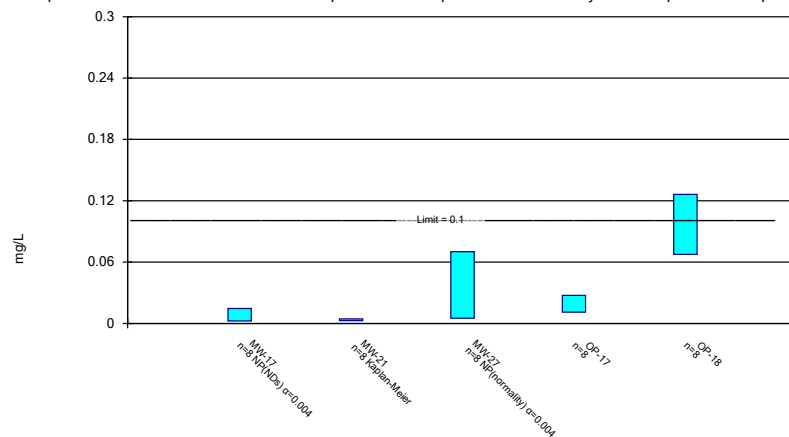
Compliance Limit is not exceeded.



Constituent: Methoxychlor Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Parametric and Non-Parametric (NP) Confidence Interval

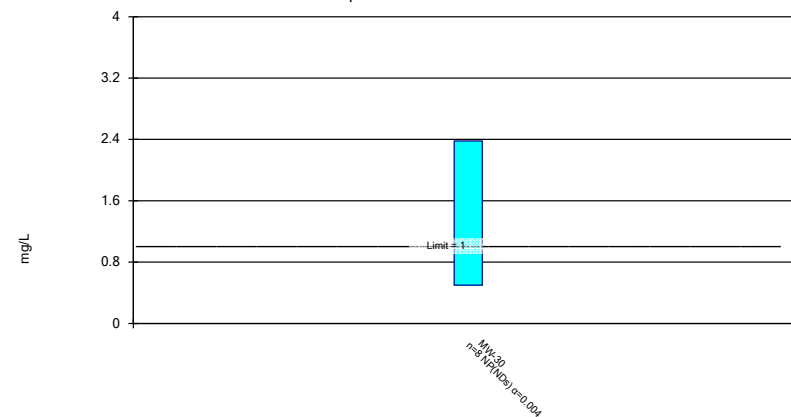
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Nickel Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Non-Parametric Confidence Interval

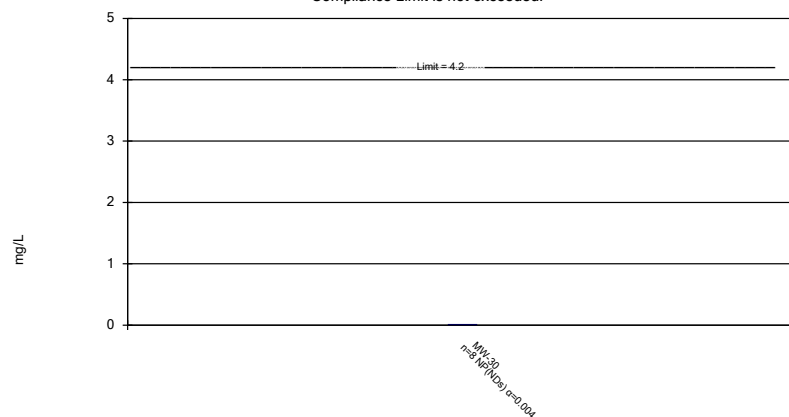
Compliance Limit is not exceeded.



Constituent: Sulfide Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Non-Parametric Confidence Interval

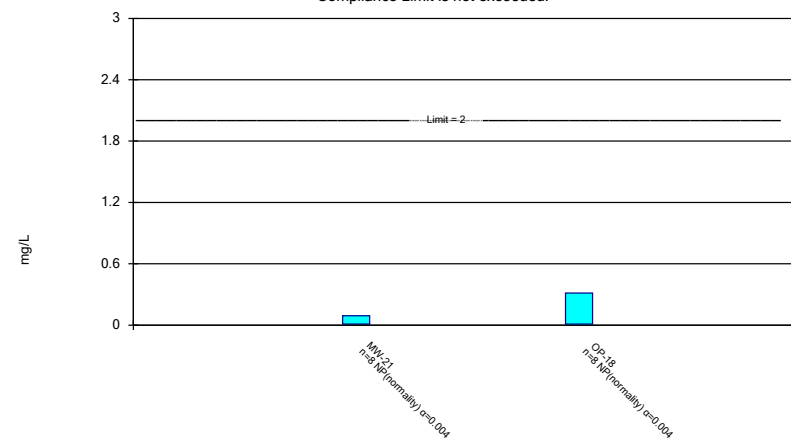
Compliance Limit is not exceeded.



Constituent: Tin Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



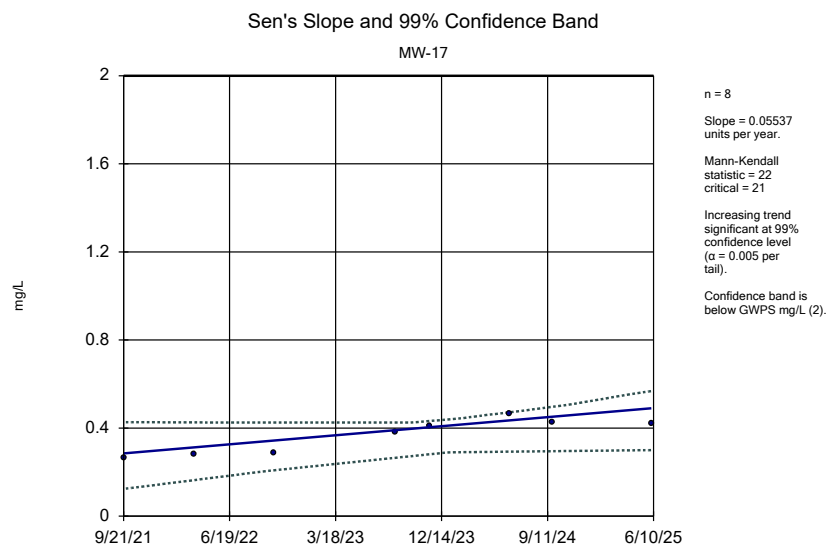
Constituent: Zinc Analysis Run 9/11/2025 4:16 PM View: 2025_SSN-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Theil-Sen Confidence Bands Summary Table and Graphs

Theil Sen/Trend Test

Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM Printed 9/11/2025, 3:49 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	MW-17	0.05537	22	21	Yes	8	0	0.01	NP

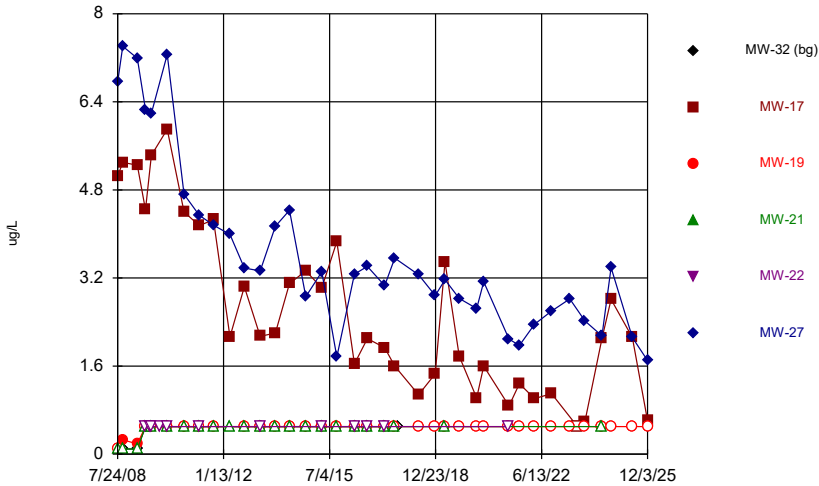


Constituent: Barium Analysis Run 9/11/2025 3:48 PM View: 2025_SSN-Theil_Sen
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL-2025_SSN-AM

Attachment B
2nd 2025 Statistical Evaluation Output

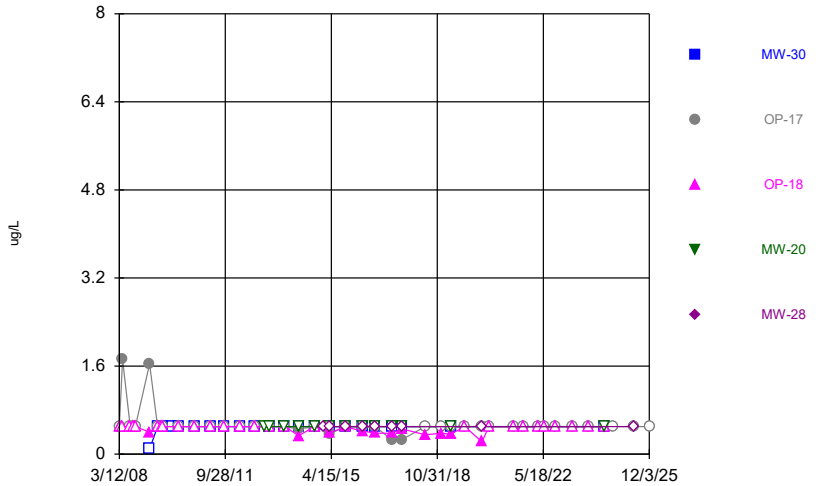
Time Series Plots

Time Series



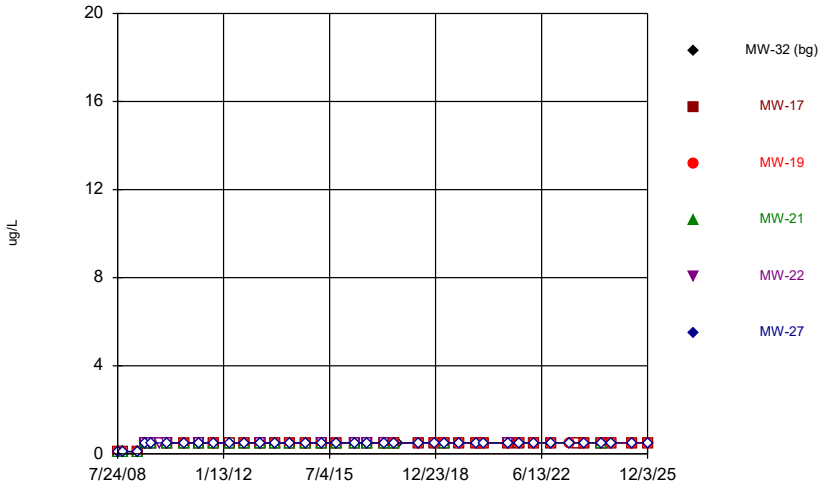
Constituent: 1,1-Dichloroethane Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



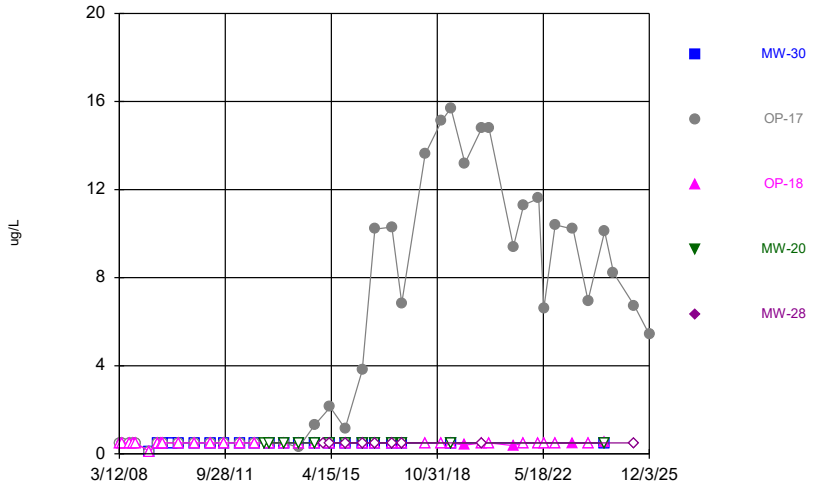
Constituent: 1,1-Dichloroethane Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



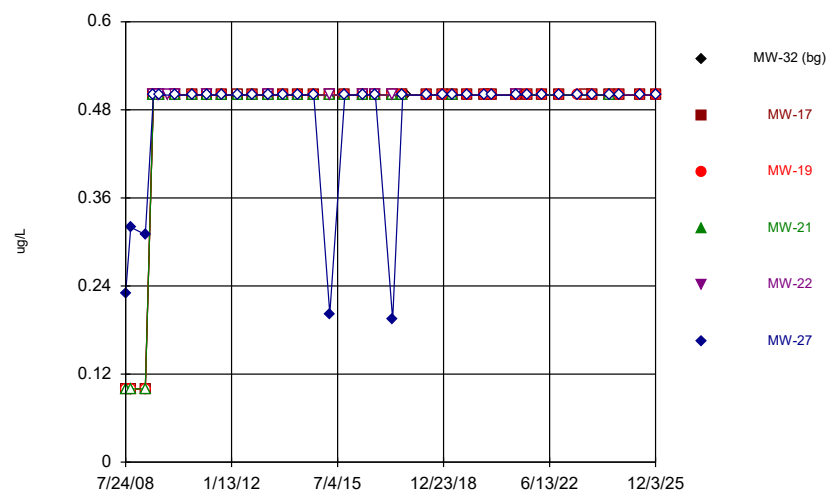
Constituent: 1,2-Dichlorobenzene Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series

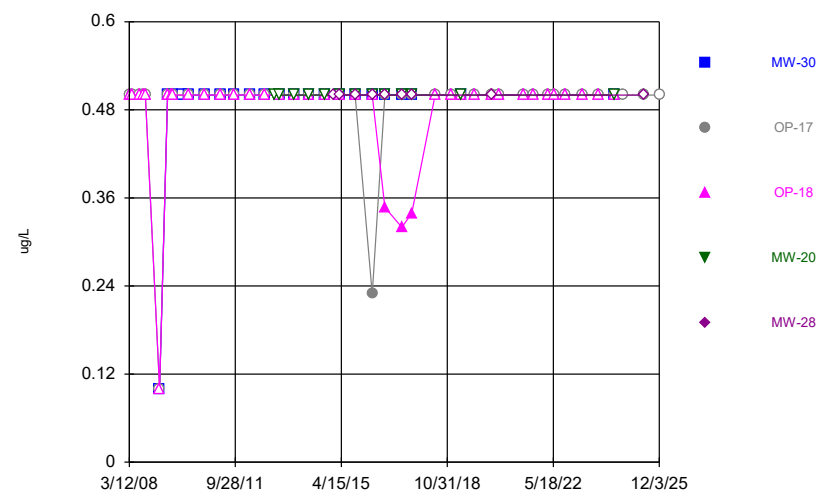


Constituent: 1,2-Dichlorobenzene Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

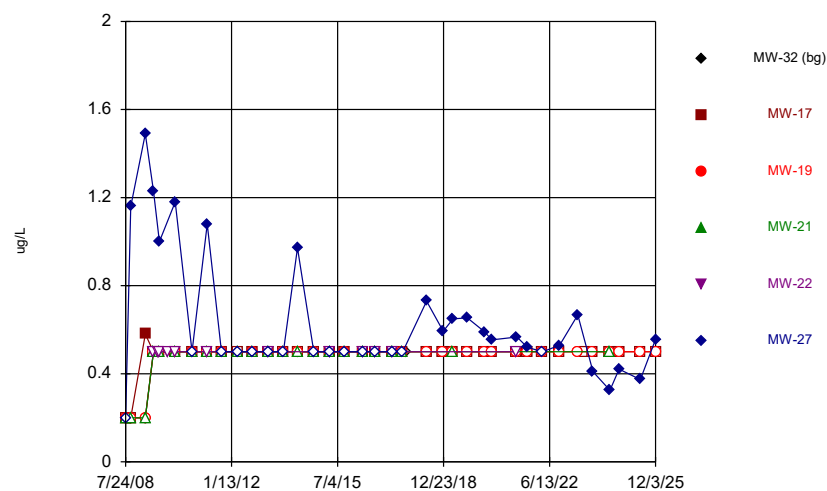
Time Series



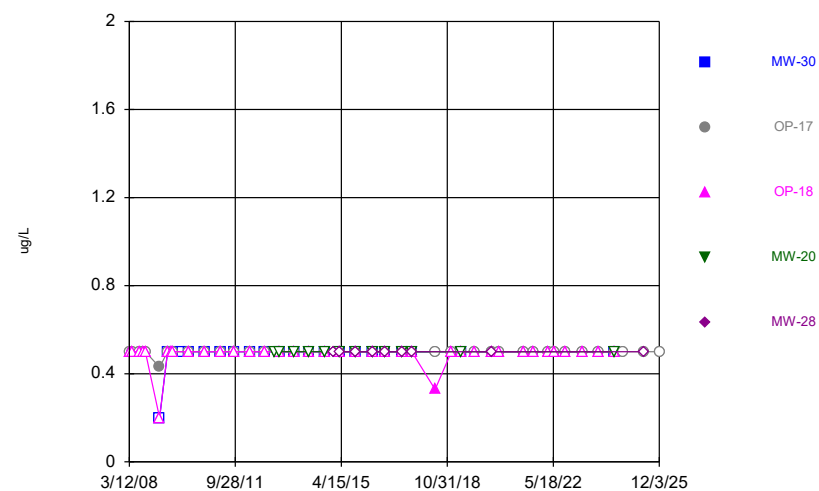
Time Series



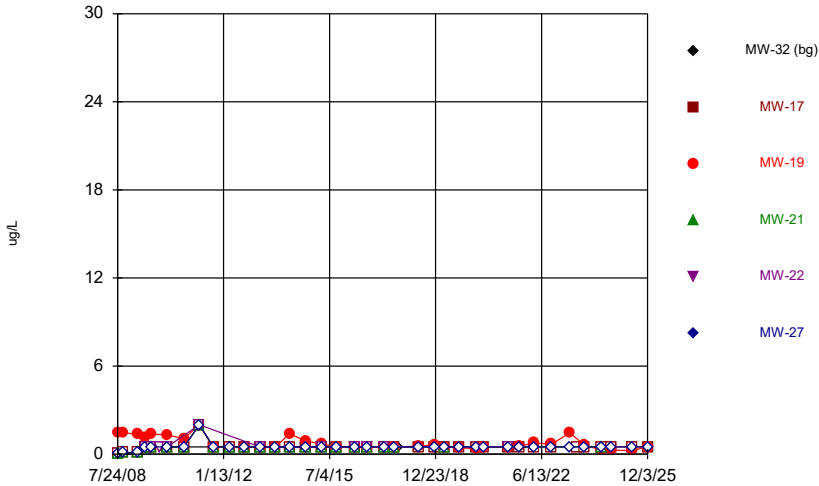
Time Series



Time Series

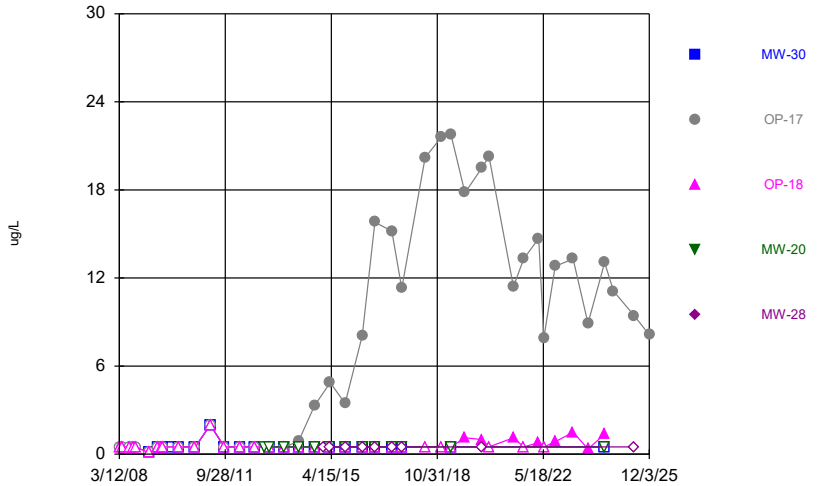


Time Series



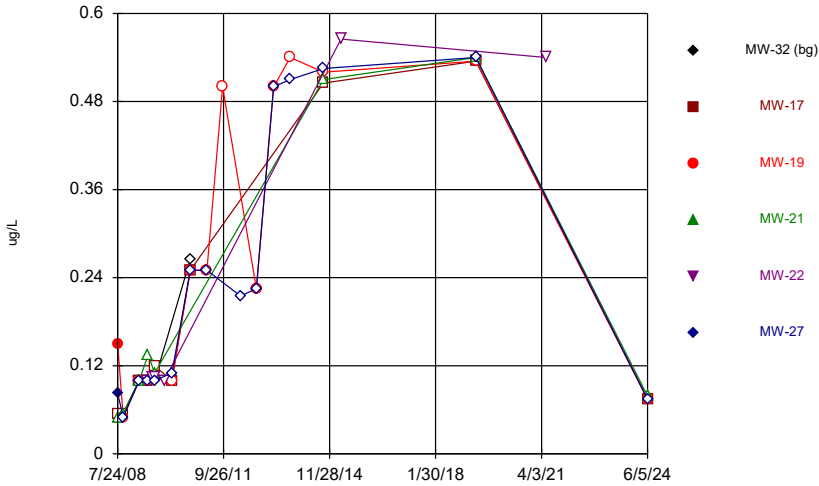
Constituent: 1,4-Dichlorobenzene Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



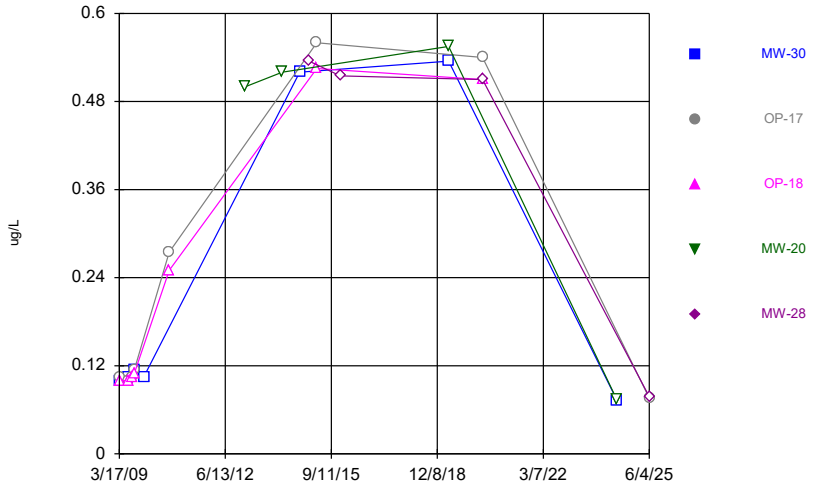
Constituent: 1,4-Dichlorobenzene Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



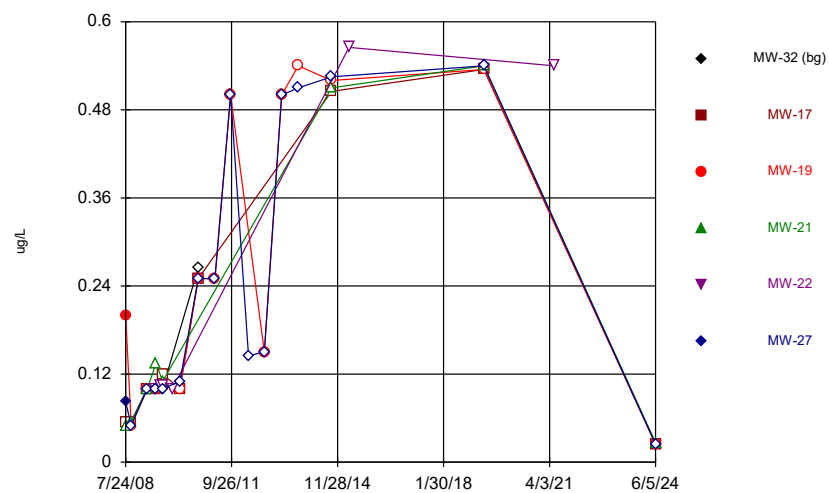
Constituent: 2,4,5-T [2C] Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



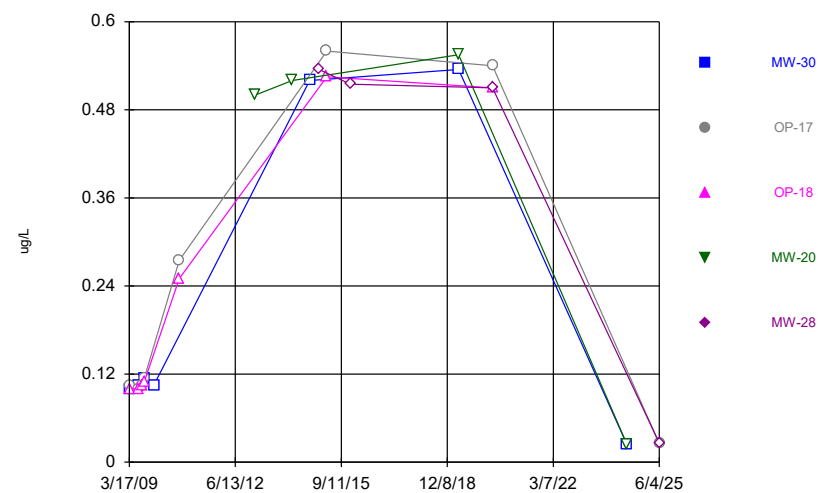
Constituent: 2,4,5-T [2C] Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



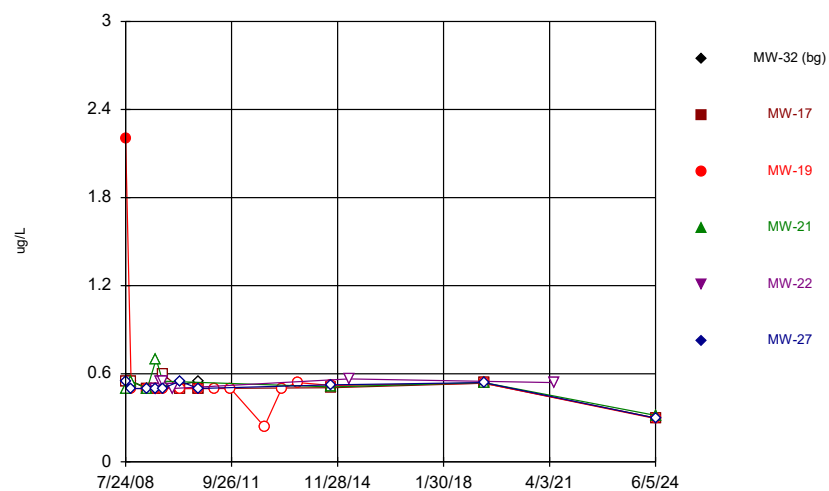
Constituent: 2,4,5-TP [Silvex] [2C] Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



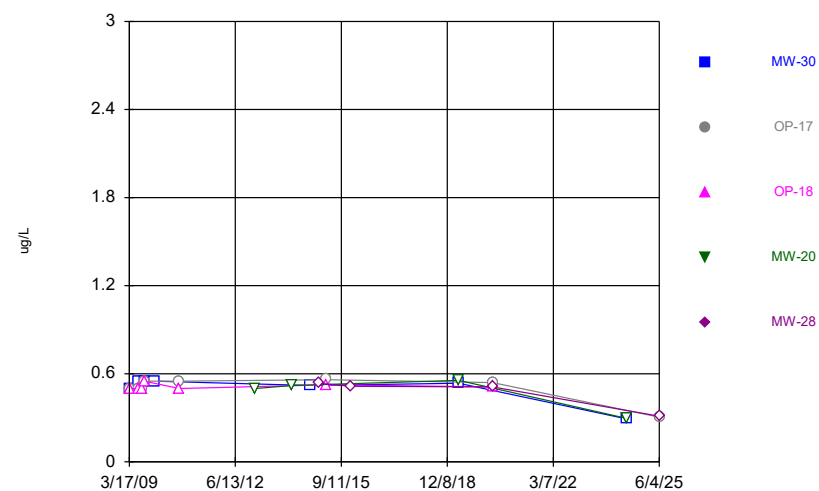
Constituent: 2,4,5-TP [Silvex] [2C] Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



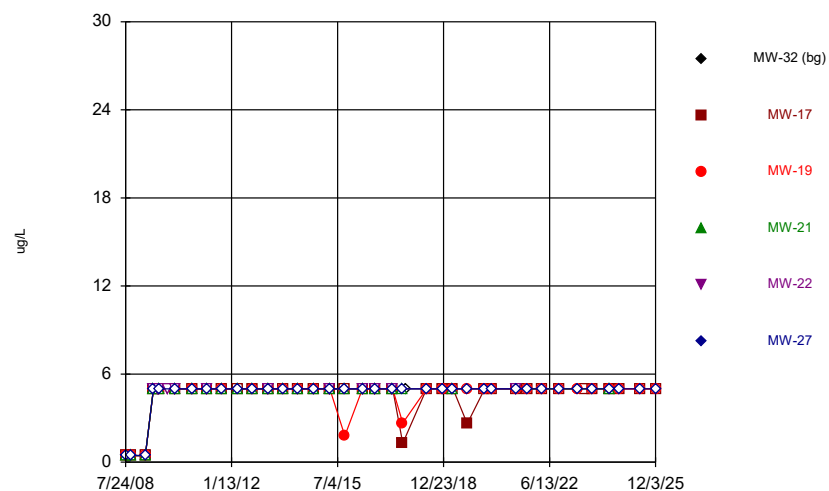
Constituent: 2,4-D [2C] Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series

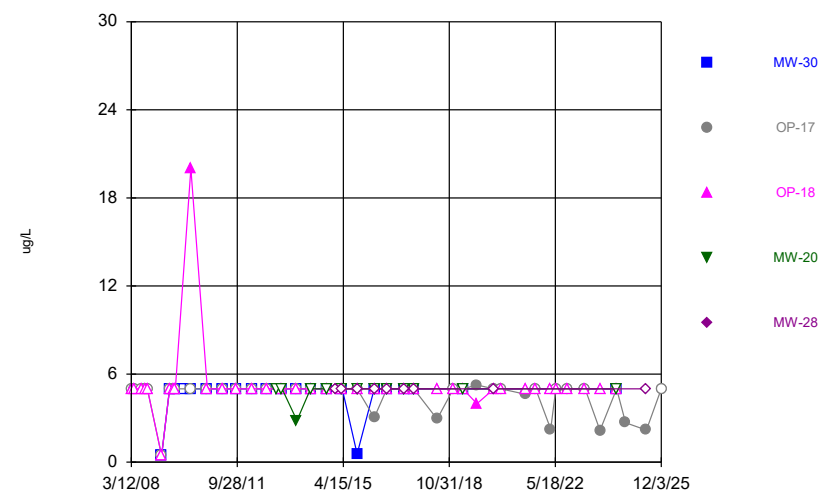


Constituent: 2,4-D [2C] Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

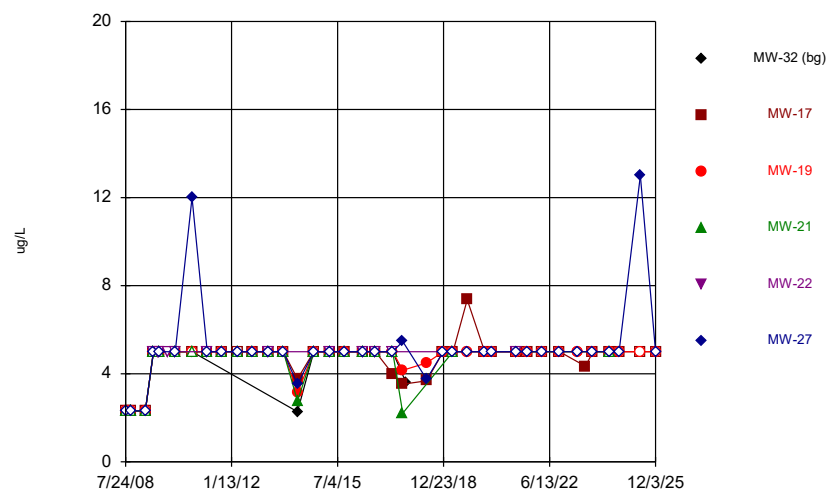
Time Series



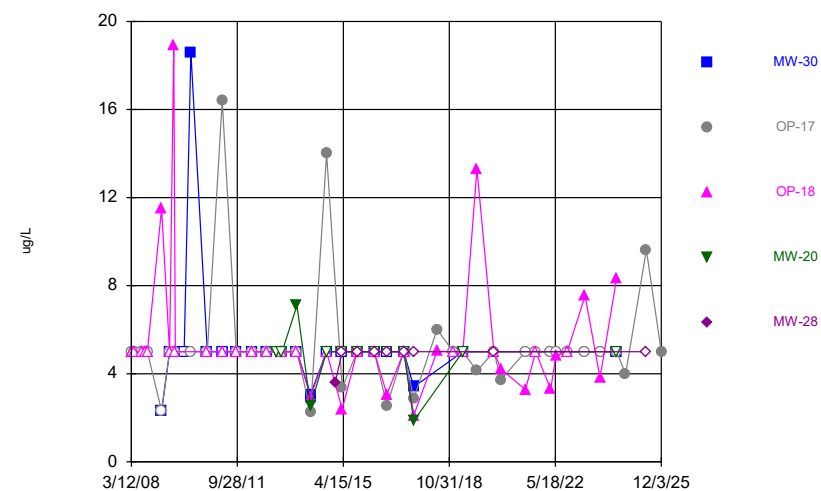
Time Series



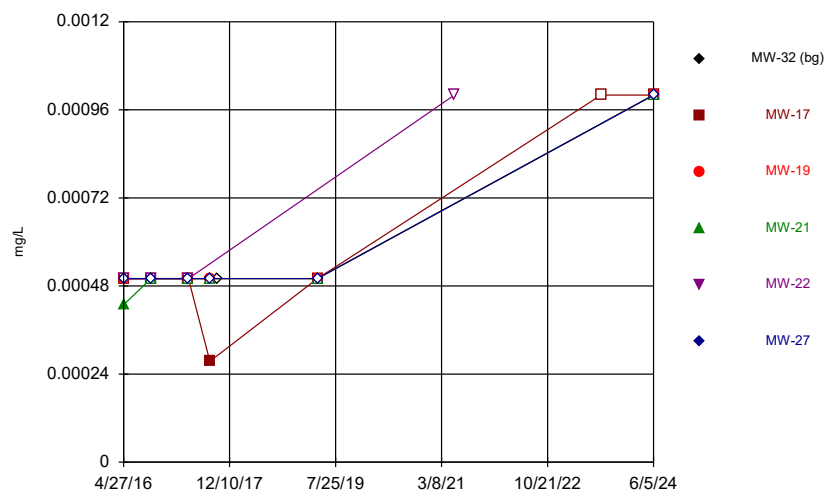
Time Series



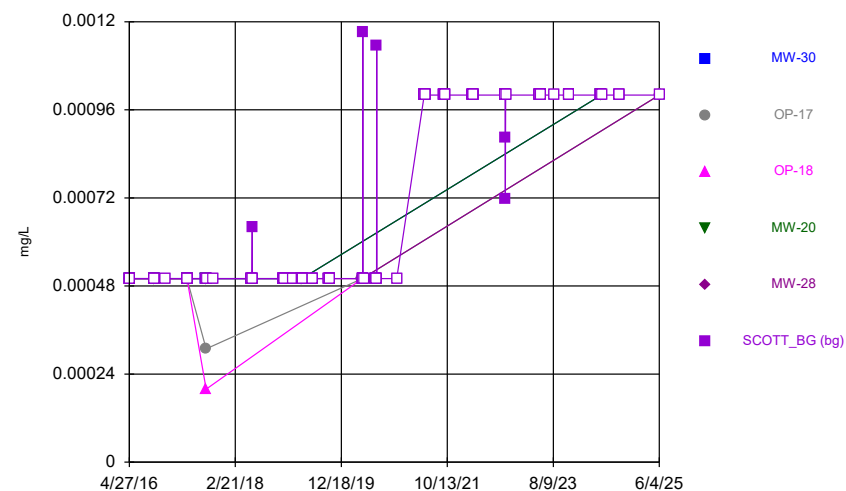
Time Series



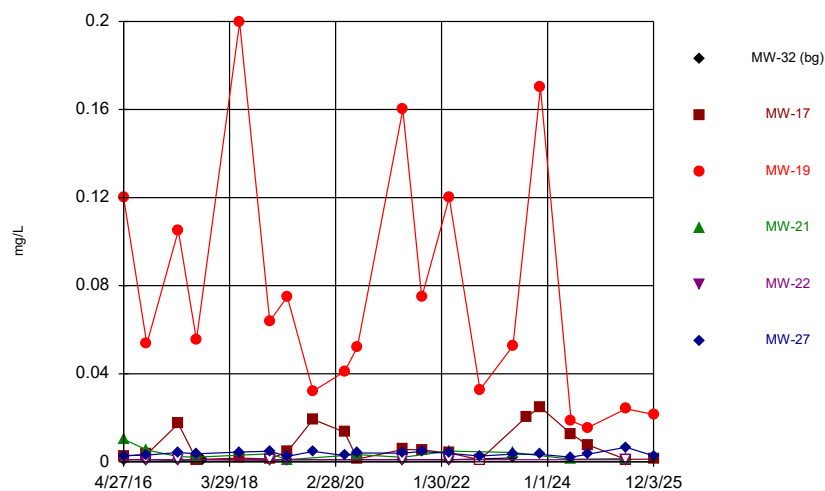
Time Series



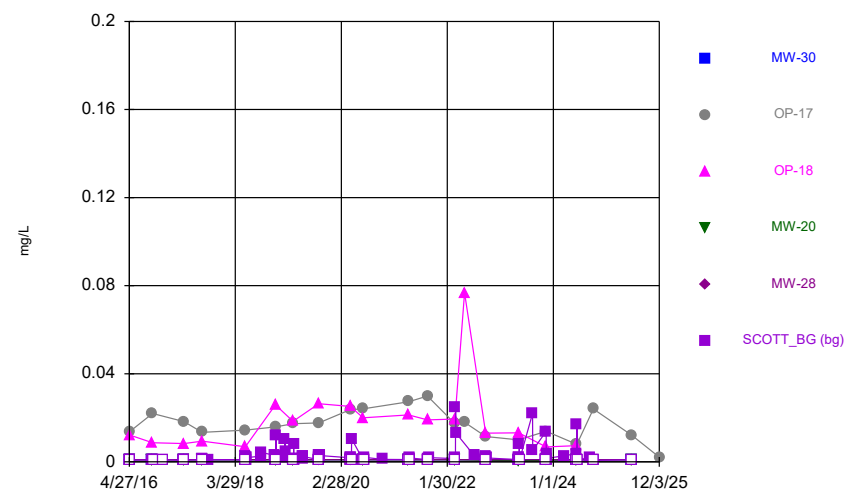
Time Series



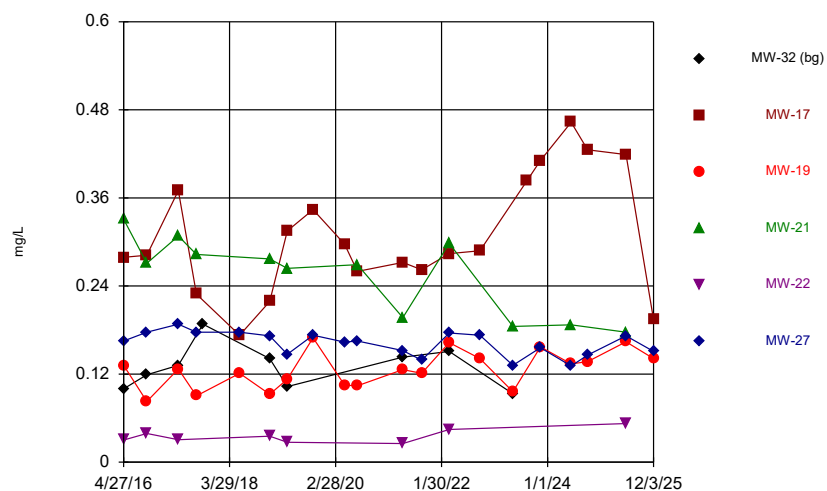
Time Series



Time Series

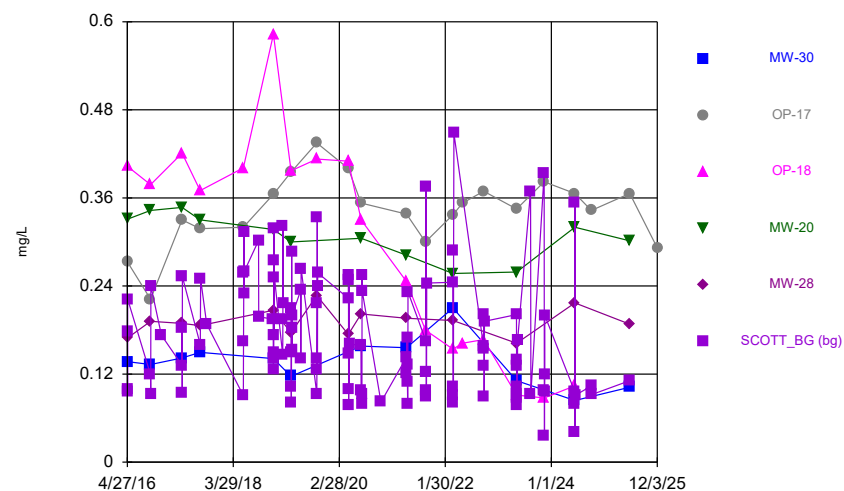


Time Series



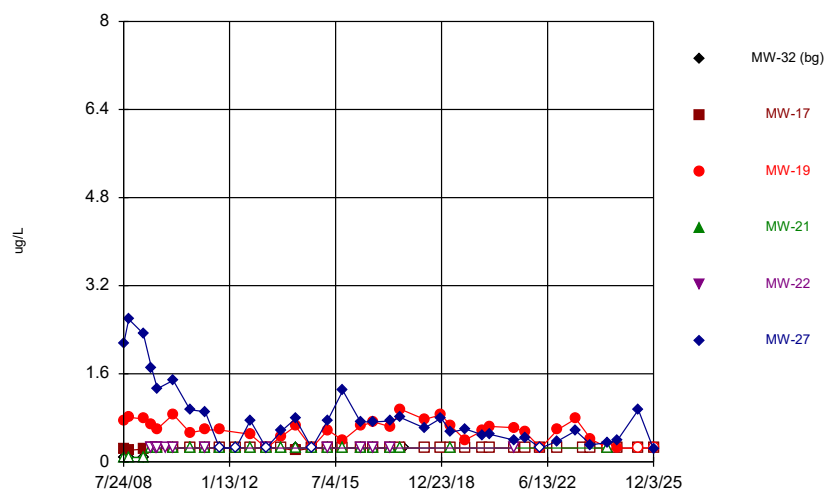
Constituent: Barium Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



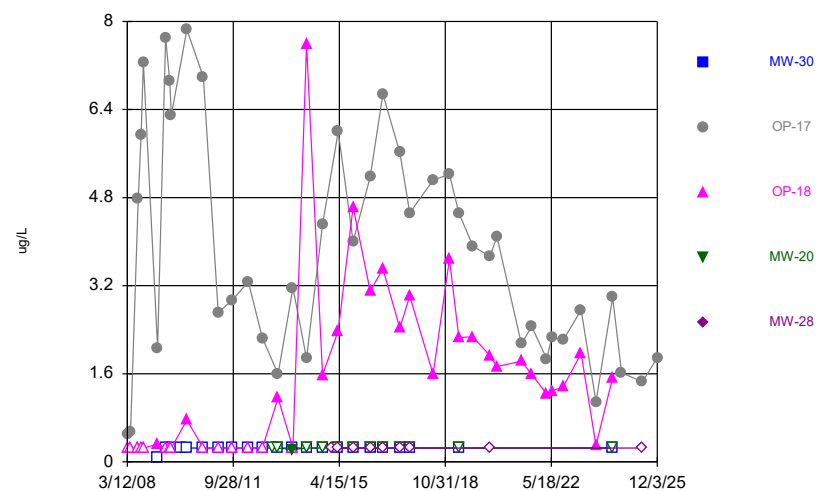
Constituent: Barium Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



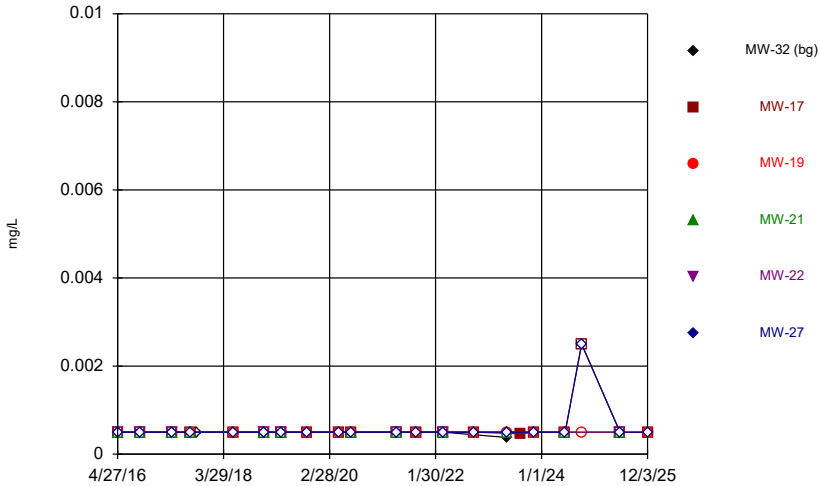
Constituent: Benzene Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series

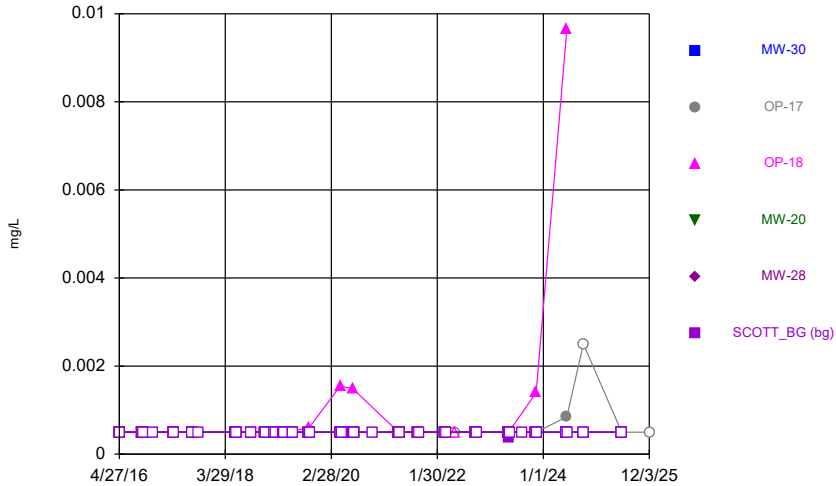


Constituent: Benzene Analysis Run 4/27/2026 10:46 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

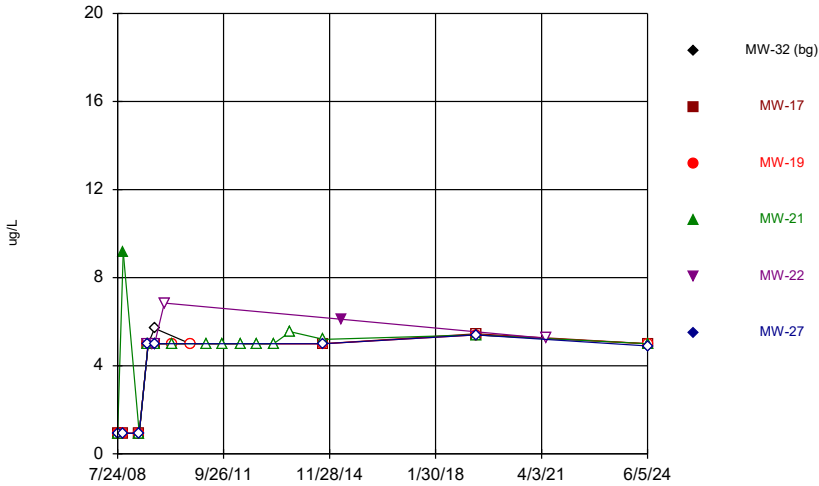
Time Series



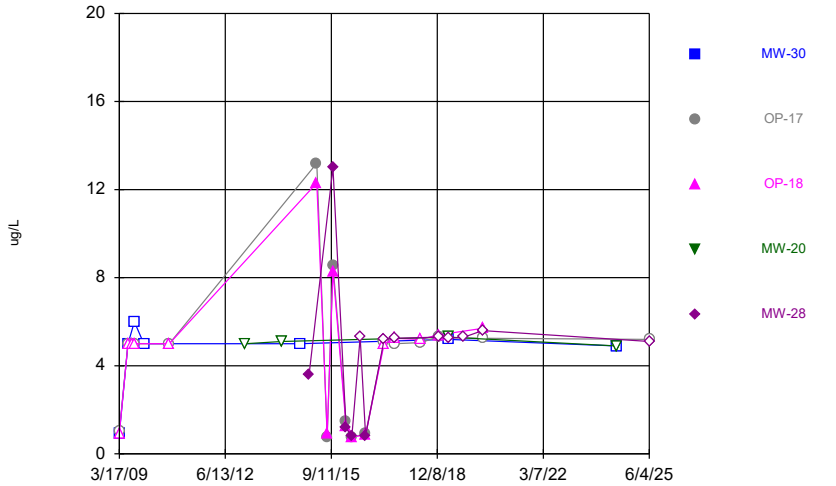
Time Series



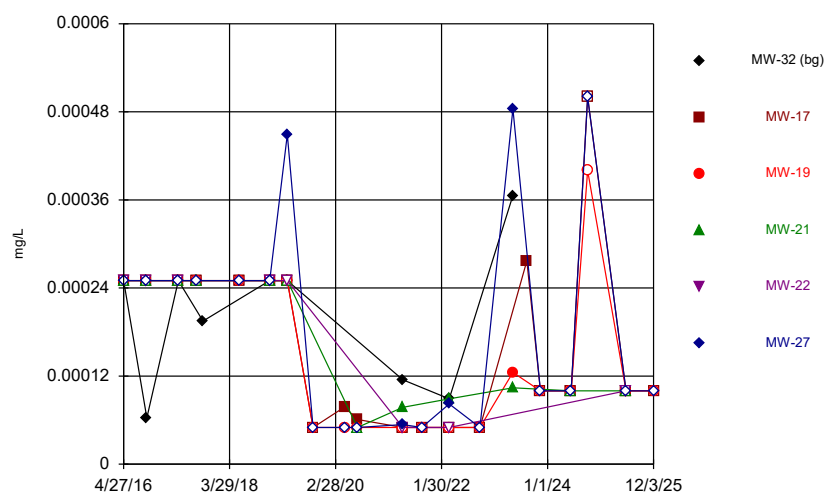
Time Series



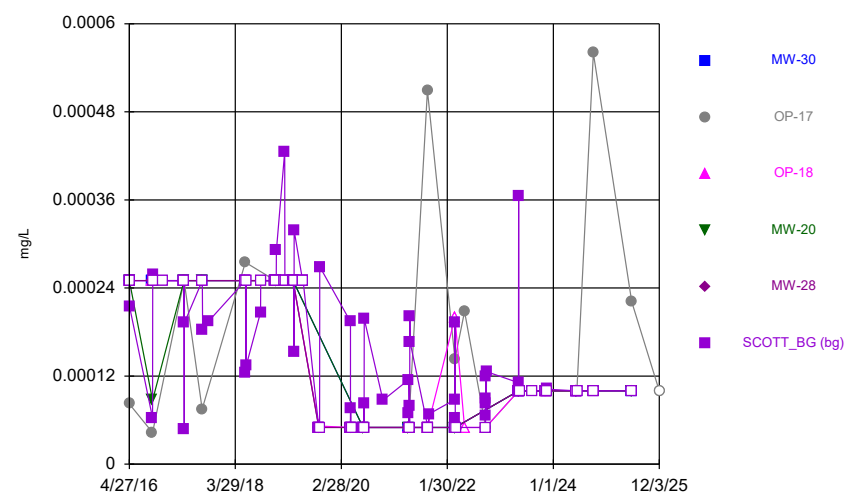
Time Series



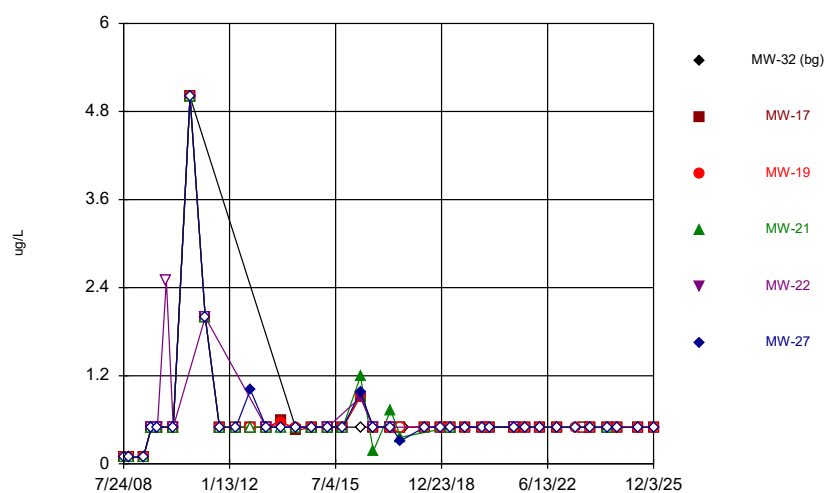
Time Series



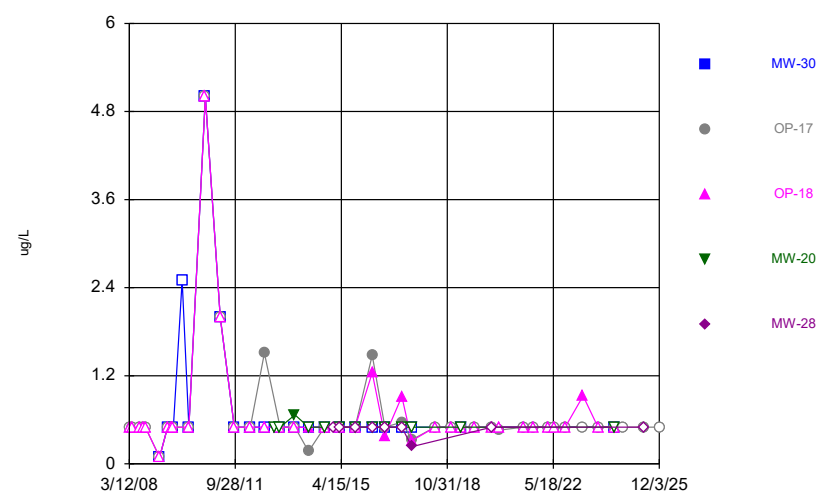
Time Series



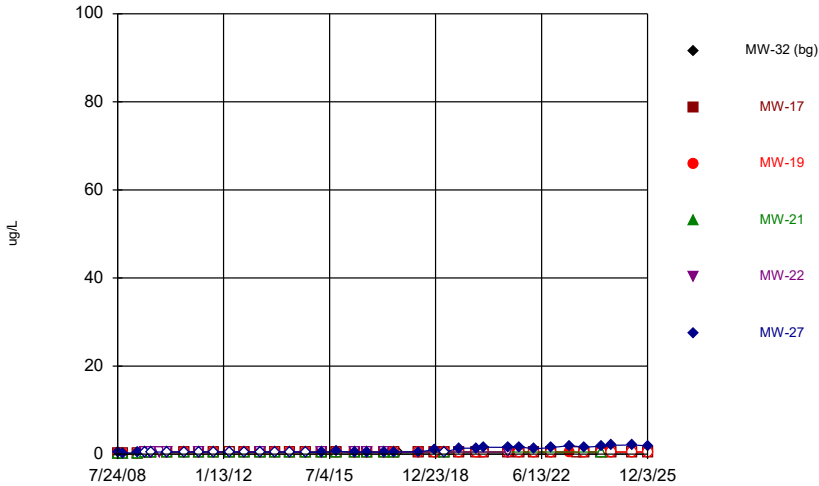
Time Series



Time Series

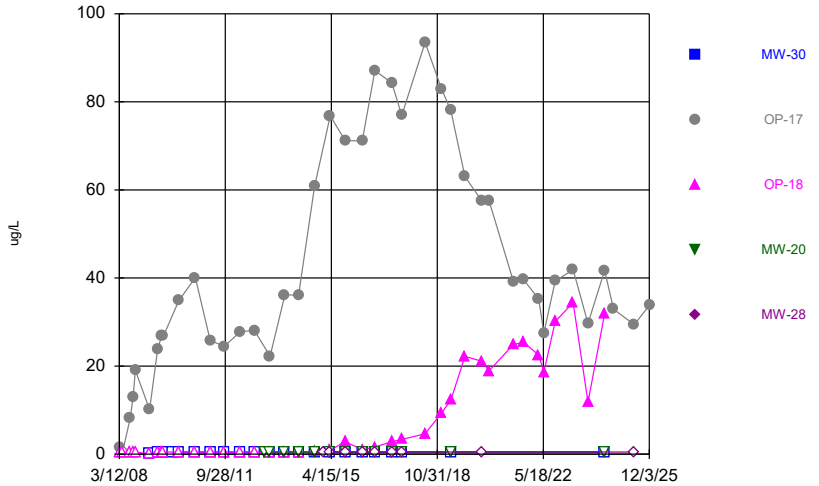


Time Series



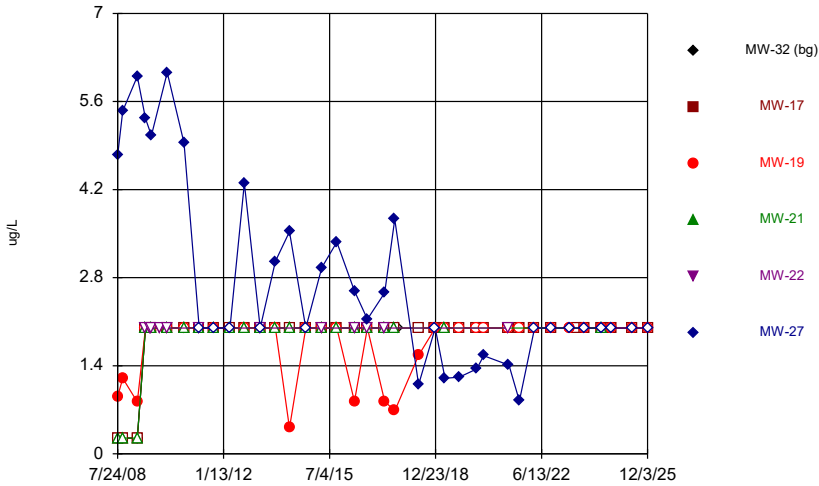
Constituent: Chlorobenzene Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



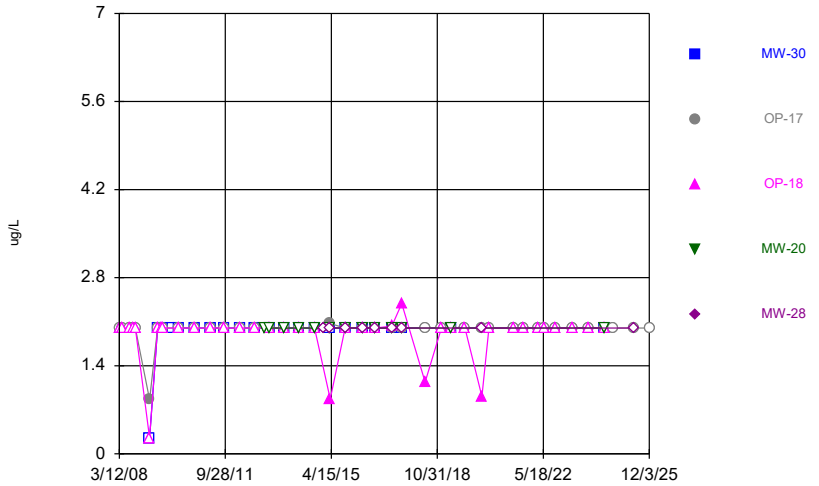
Constituent: Chlorobenzene Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



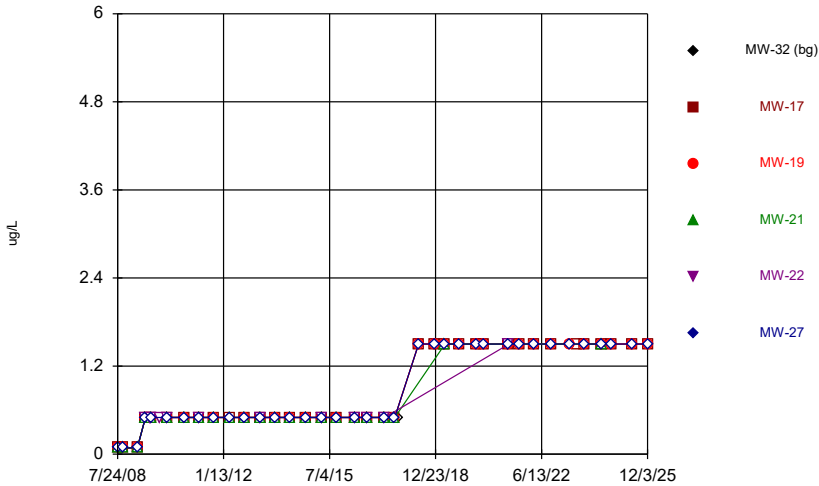
Constituent: Chloroethane Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



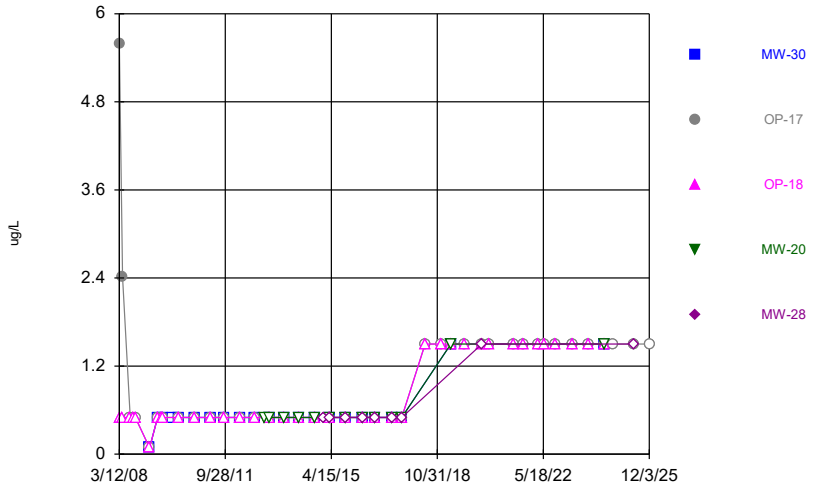
Constituent: Chloroethane Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



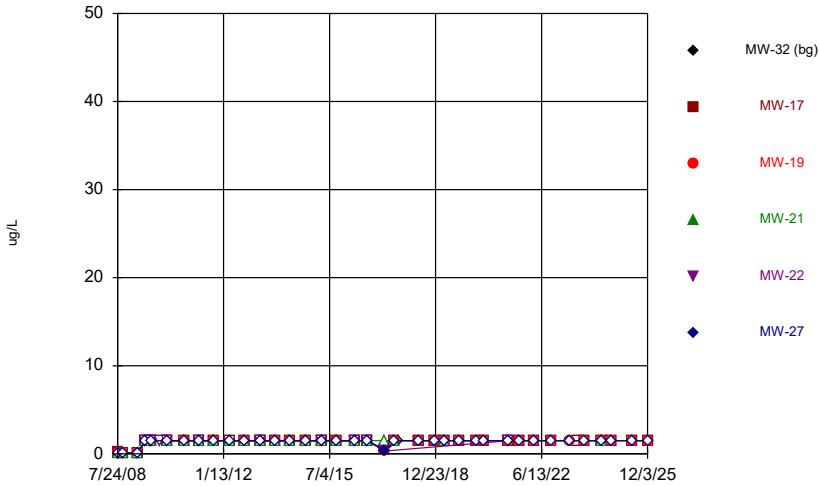
Constituent: Chloroform Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



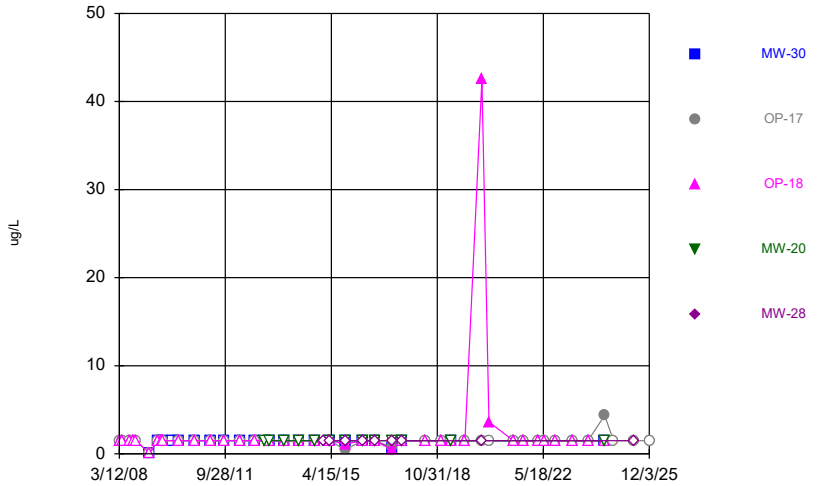
Constituent: Chloroform Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



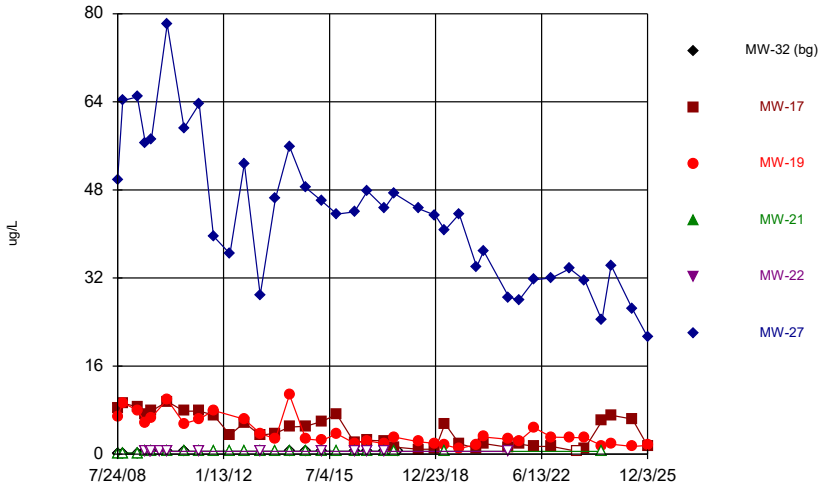
Constituent: Chloromethane Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



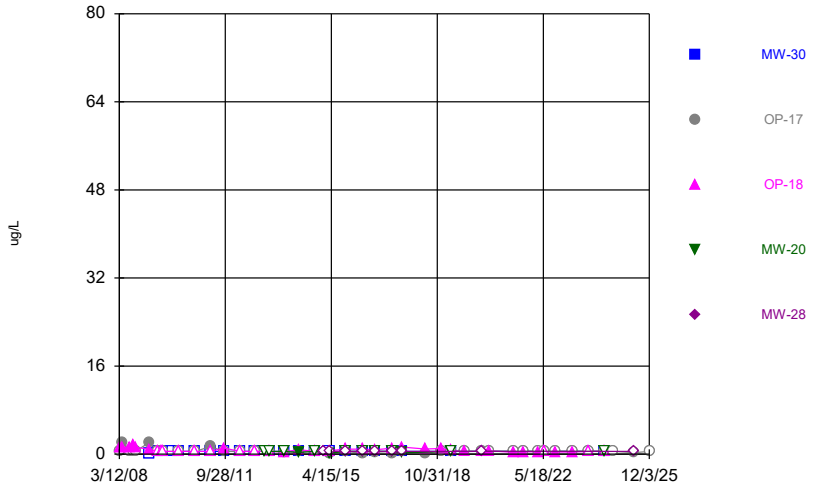
Constituent: Chloromethane Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



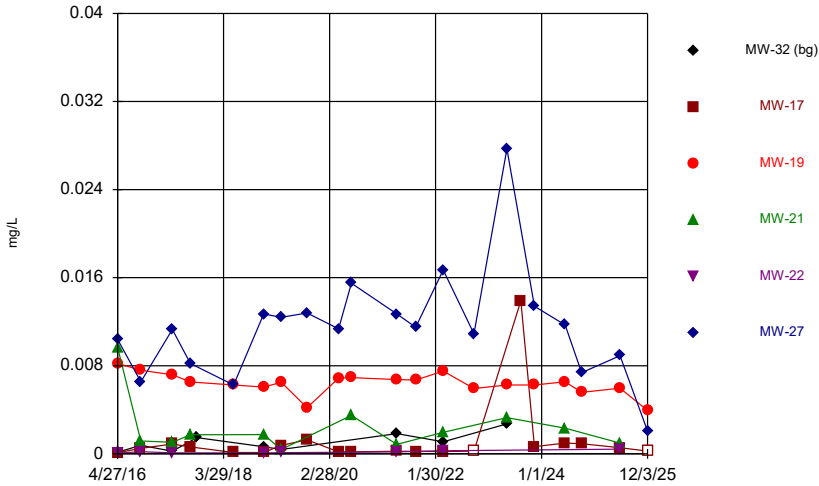
Constituent: cis-1,2-Dichloroethene Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



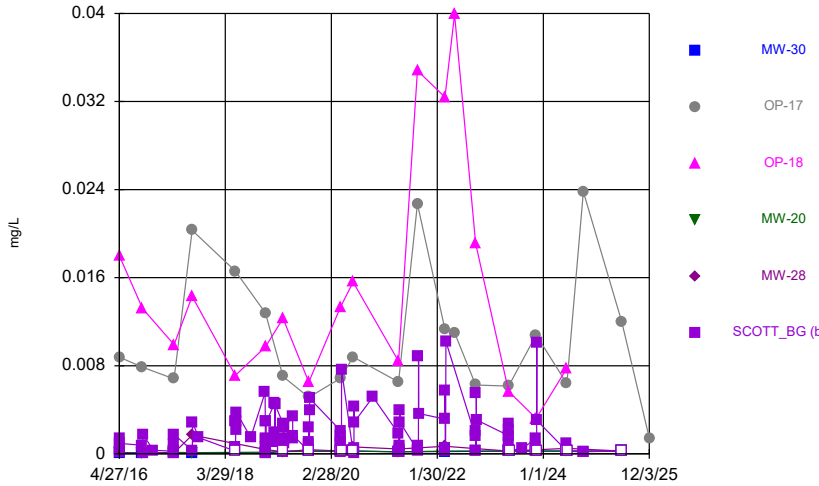
Constituent: cis-1,2-Dichloroethene Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



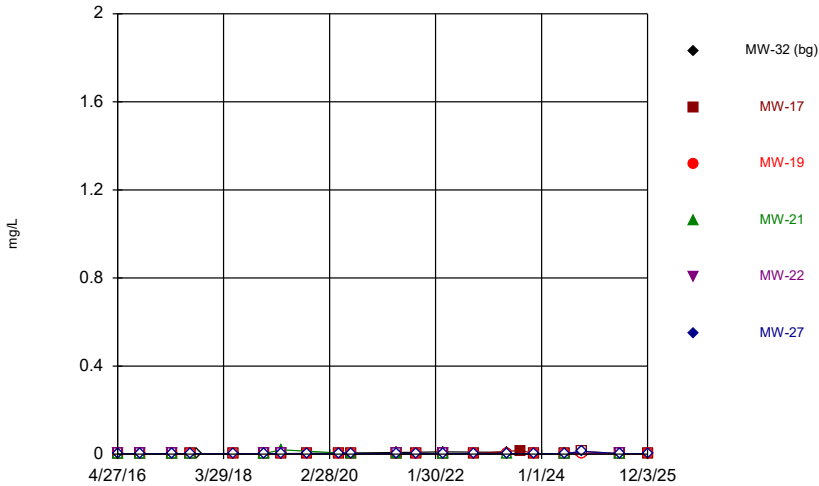
Constituent: Cobalt Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series

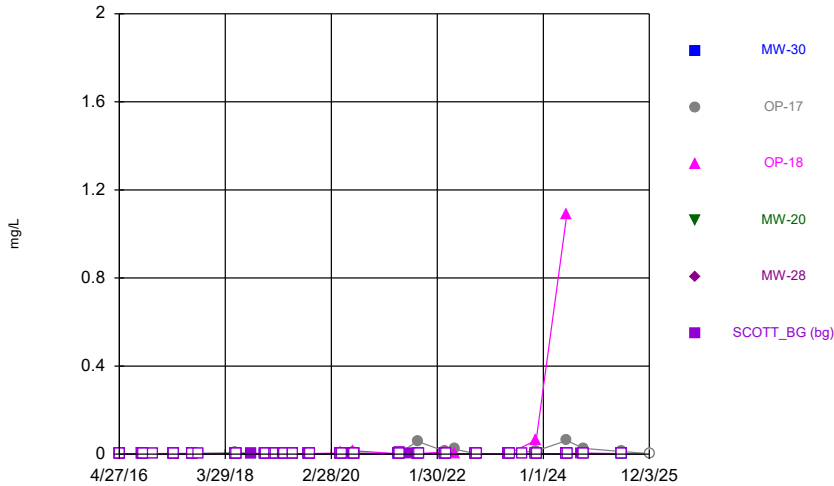


Constituent: Cobalt Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

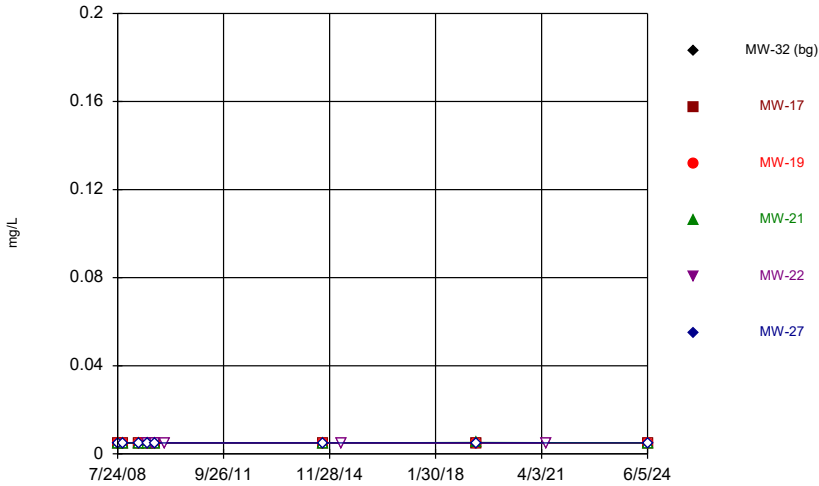
Time Series



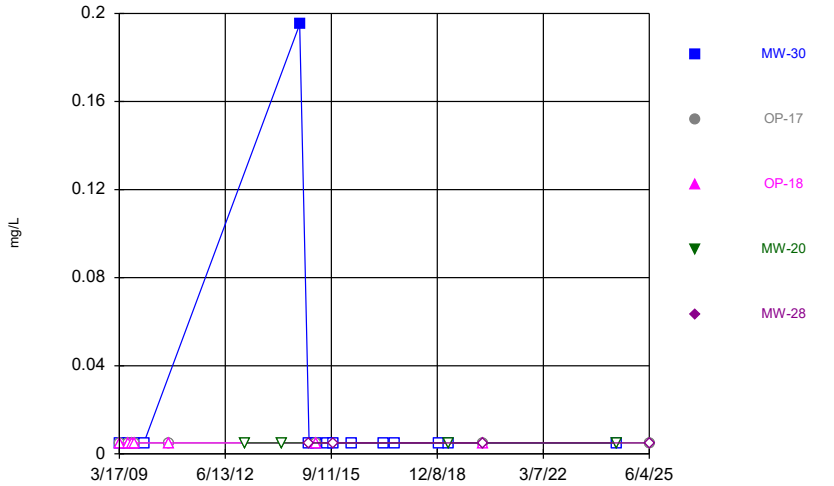
Time Series



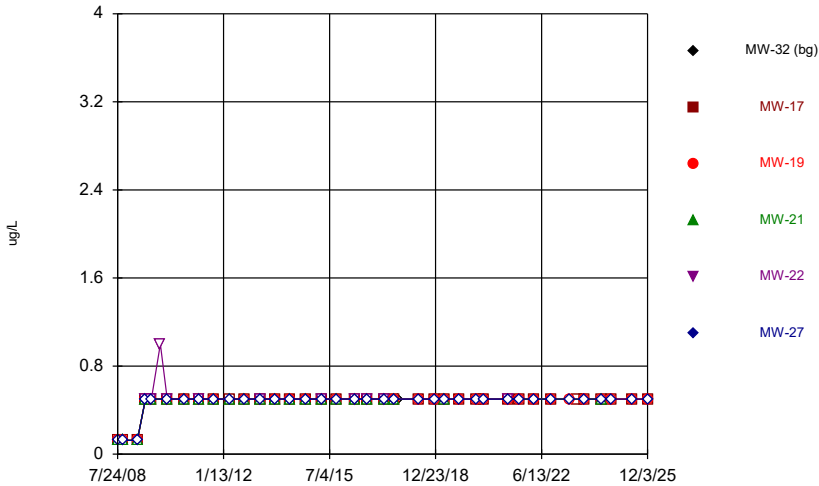
Time Series



Time Series

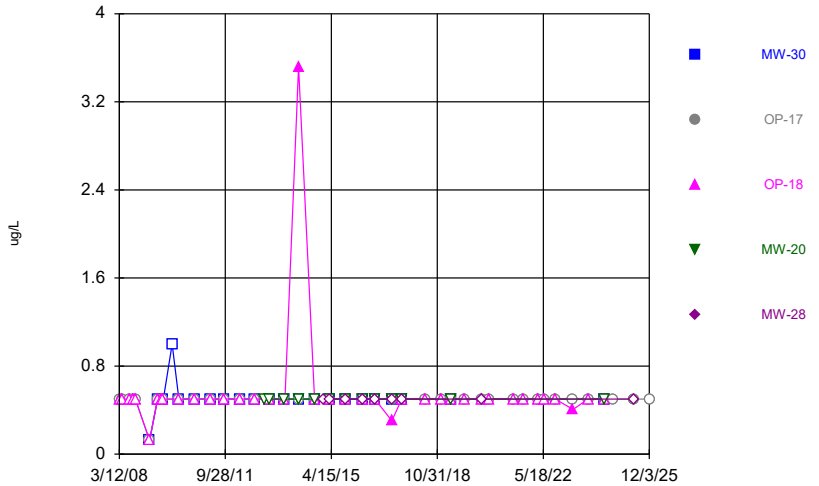


Time Series



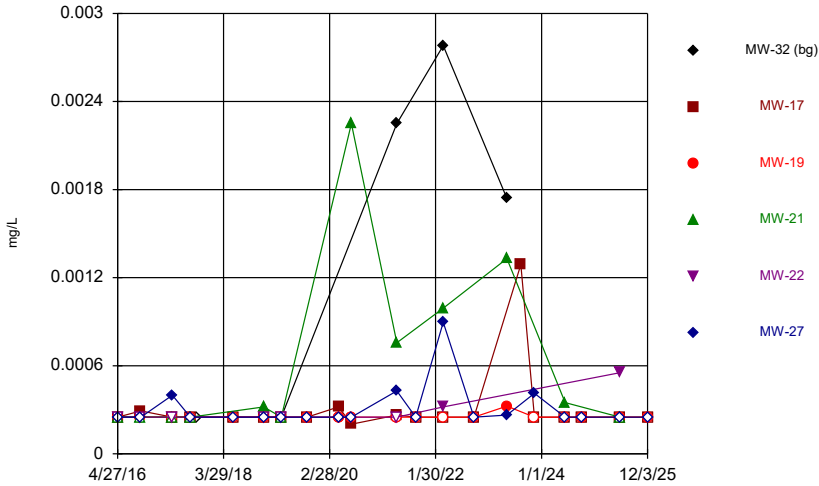
Constituent: Ethylbenzene Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



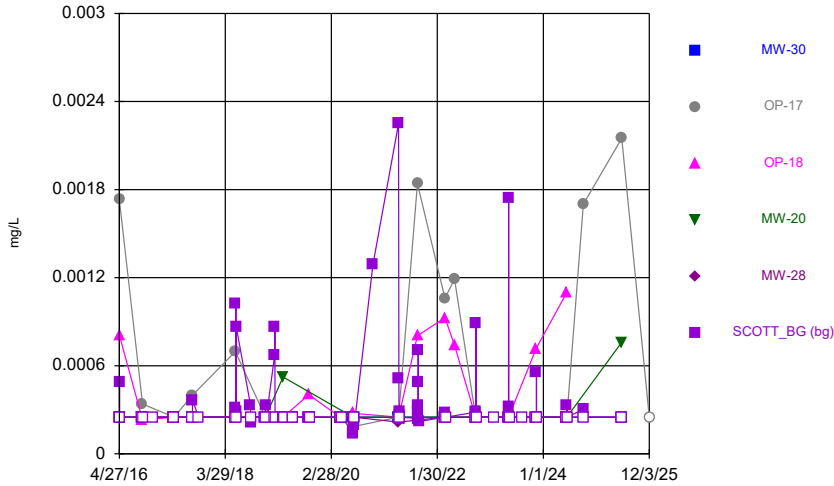
Constituent: Ethylbenzene Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



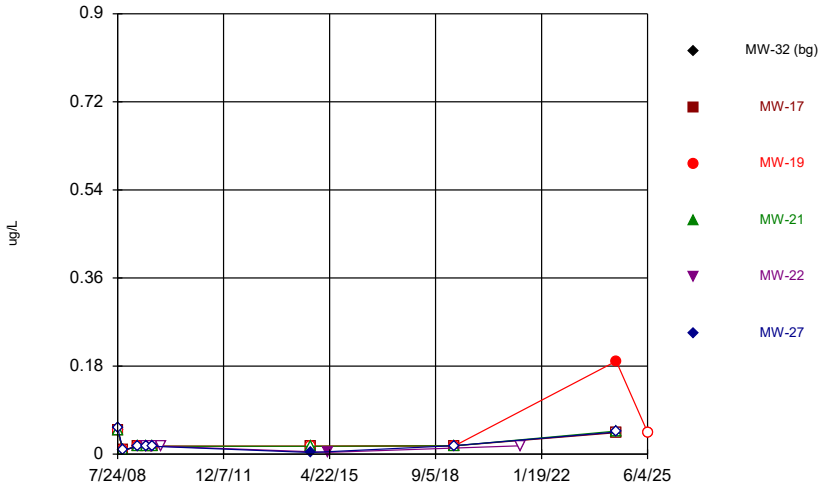
Constituent: Lead Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series

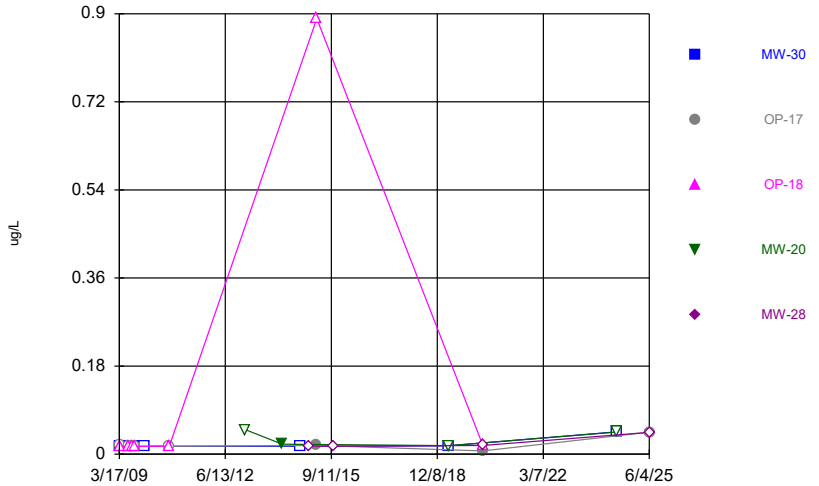


Constituent: Lead Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

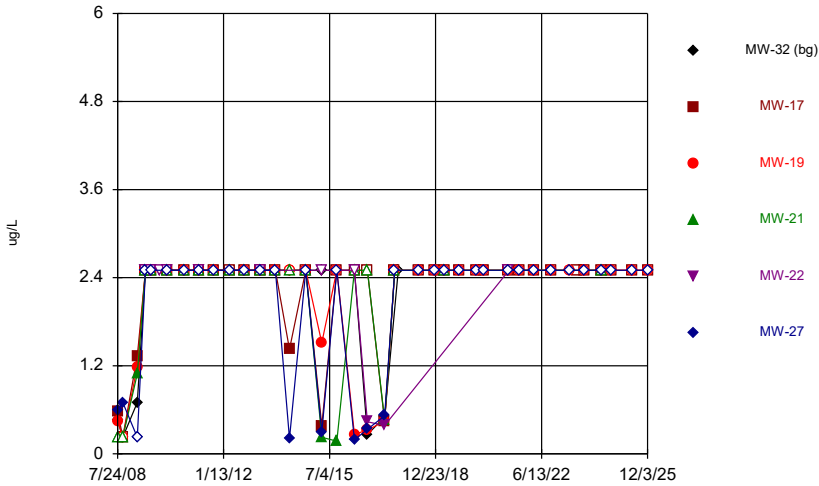
Time Series



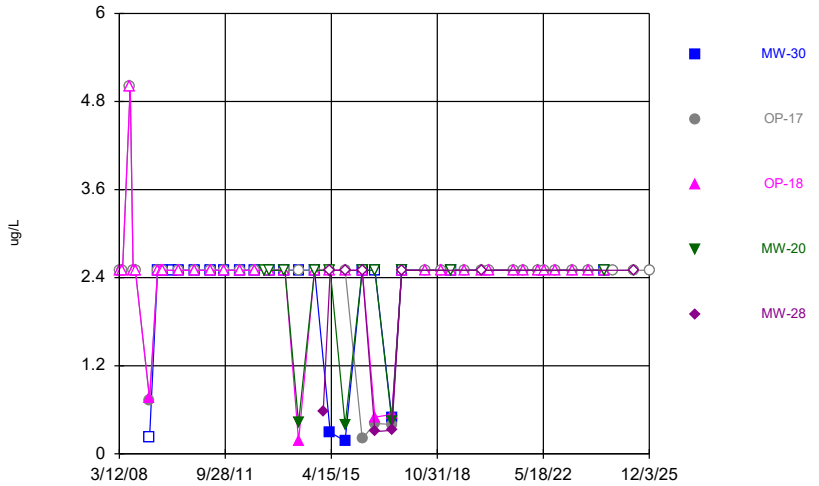
Time Series



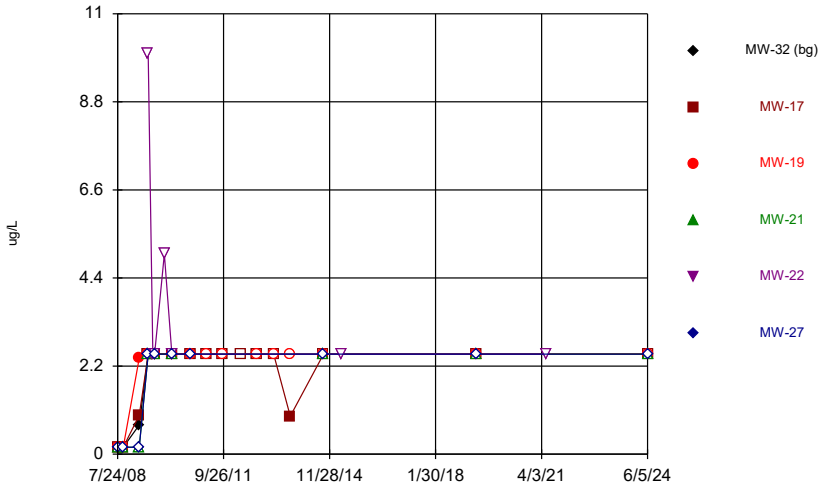
Time Series



Time Series

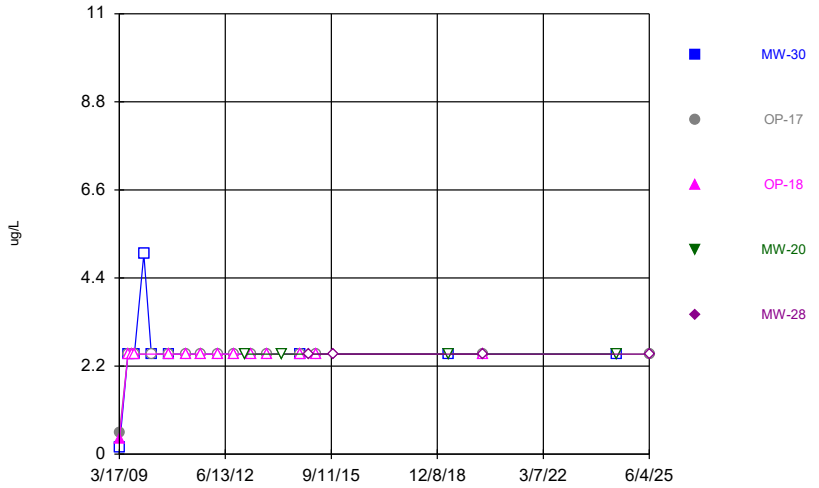


Time Series



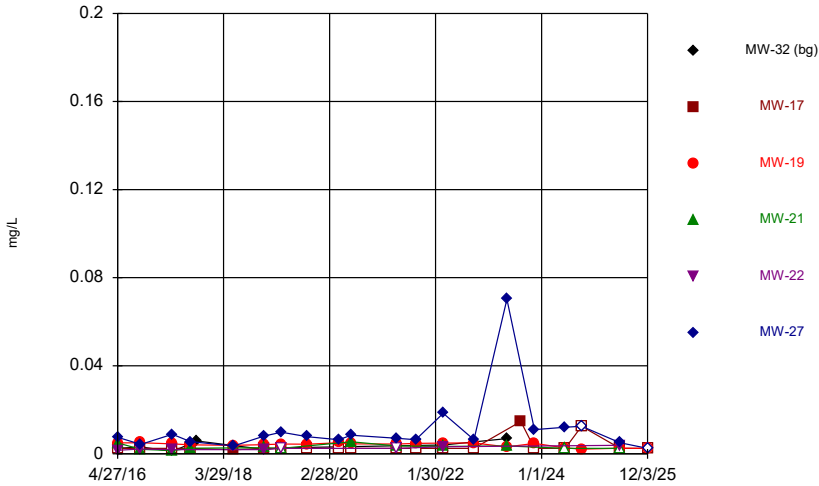
Constituent: Naphthalene Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



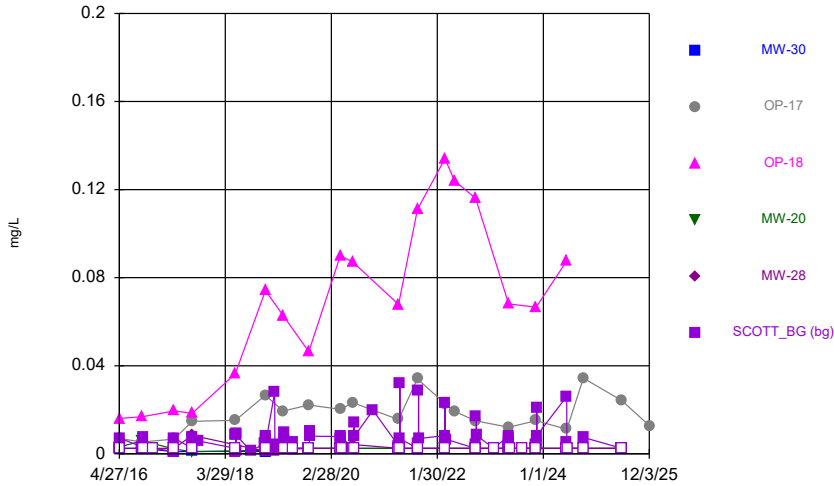
Constituent: Naphthalene Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



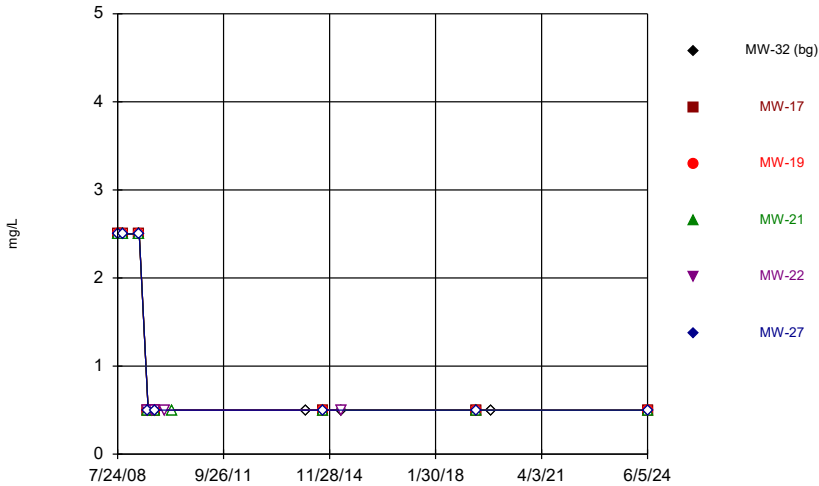
Constituent: Nickel Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



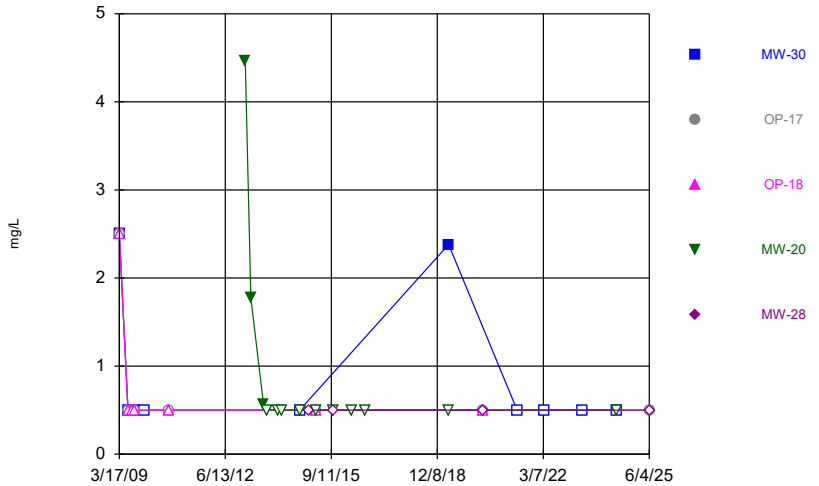
Constituent: Nickel Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



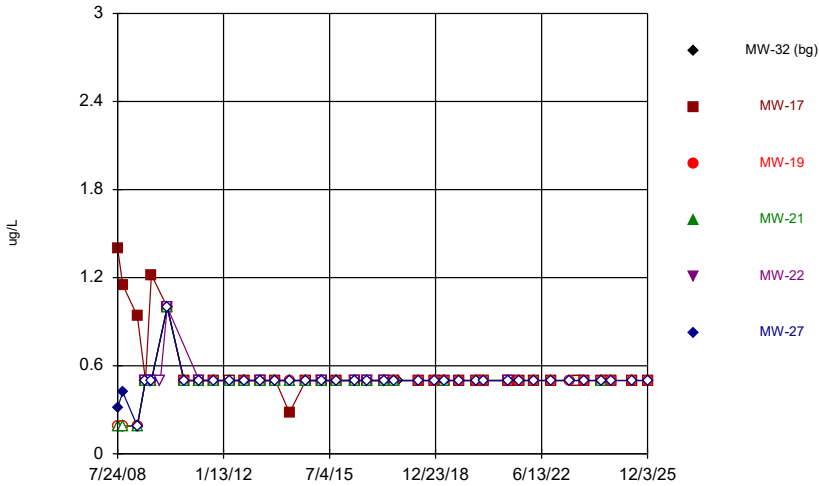
Constituent: Sulfide Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



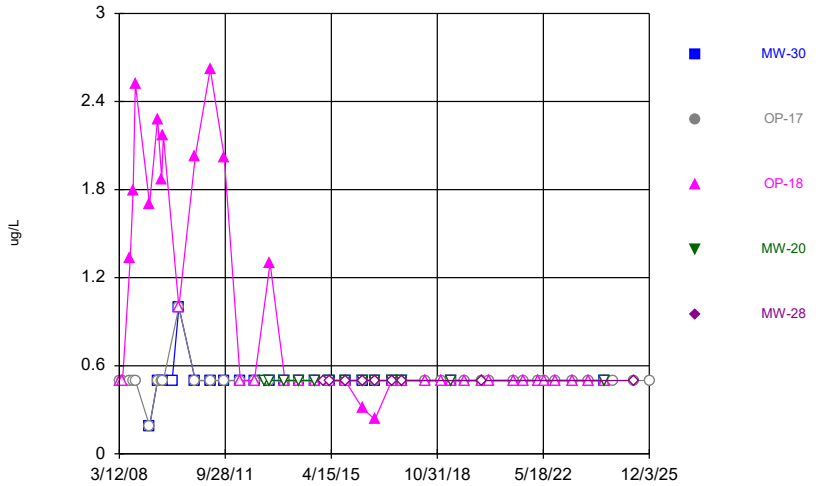
Constituent: Sulfide Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



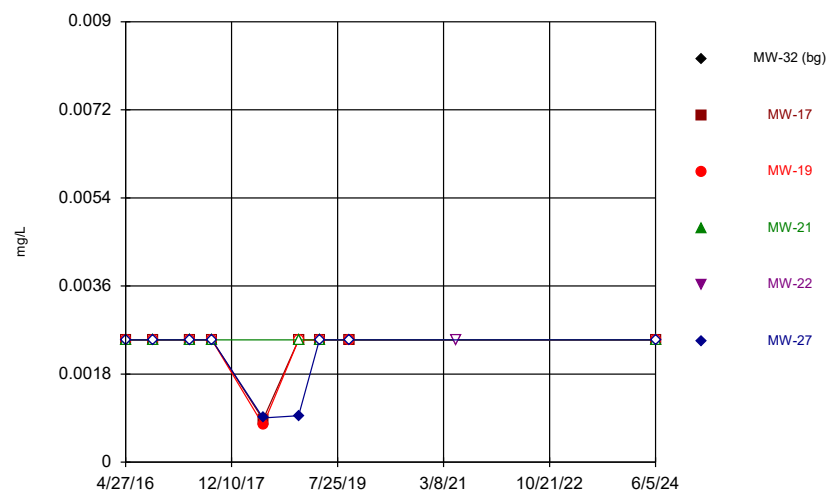
Constituent: Tetrachloroethene Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series

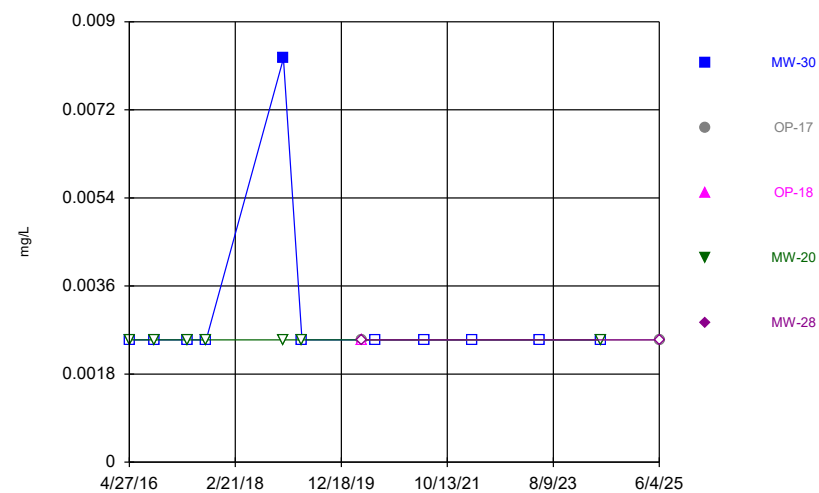


Constituent: Tetrachloroethene Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

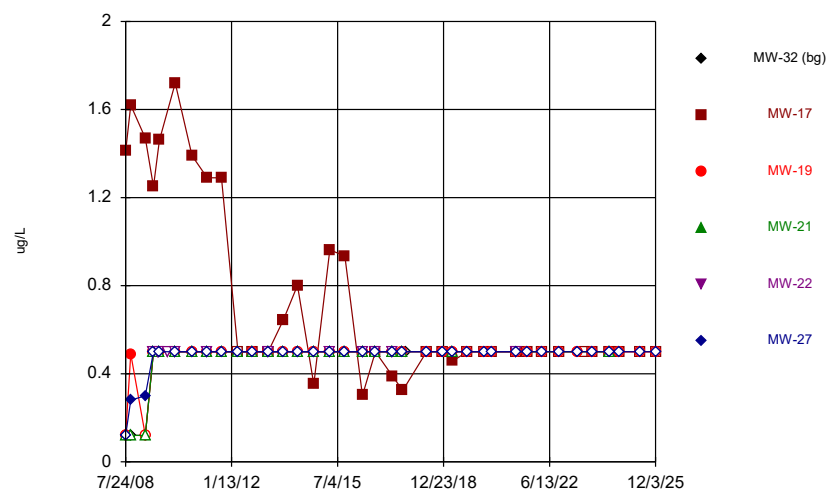
Time Series



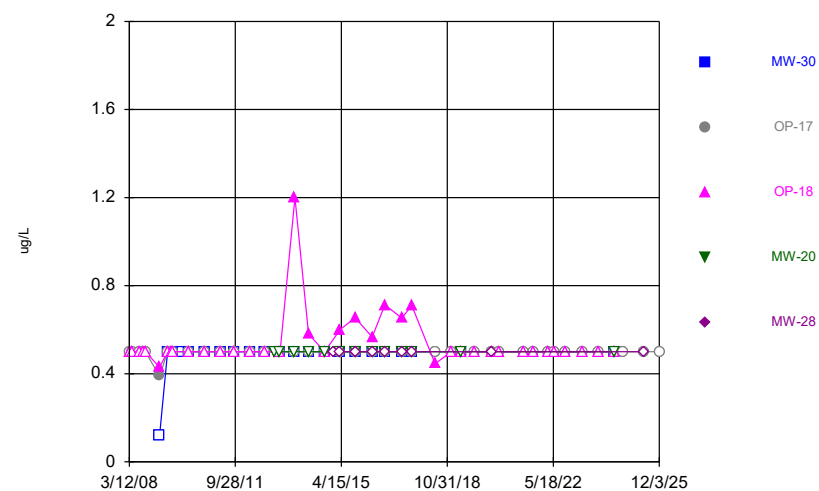
Time Series



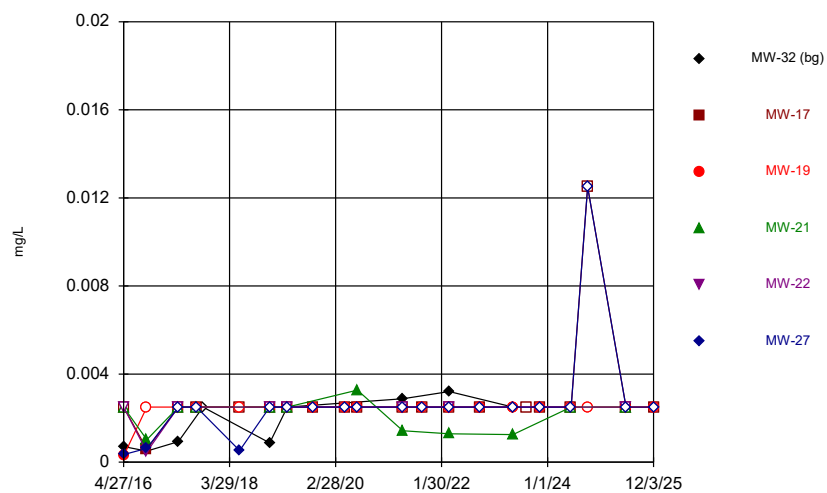
Time Series



Time Series

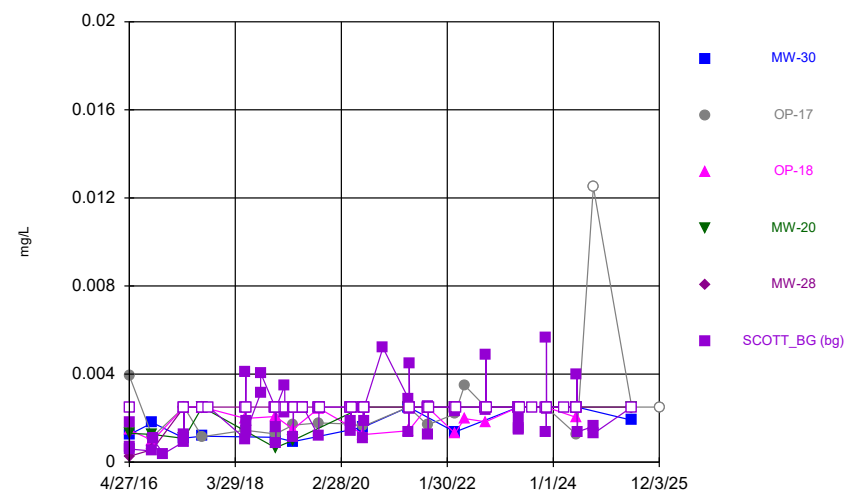


Time Series



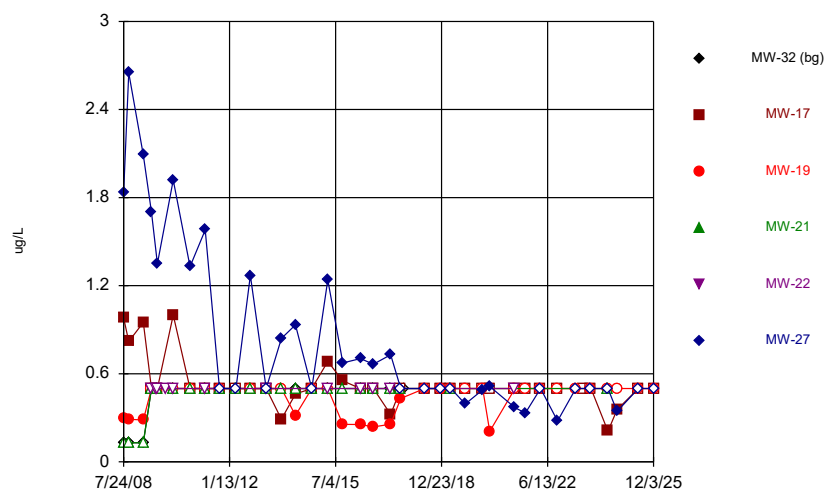
Constituent: Vanadium Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



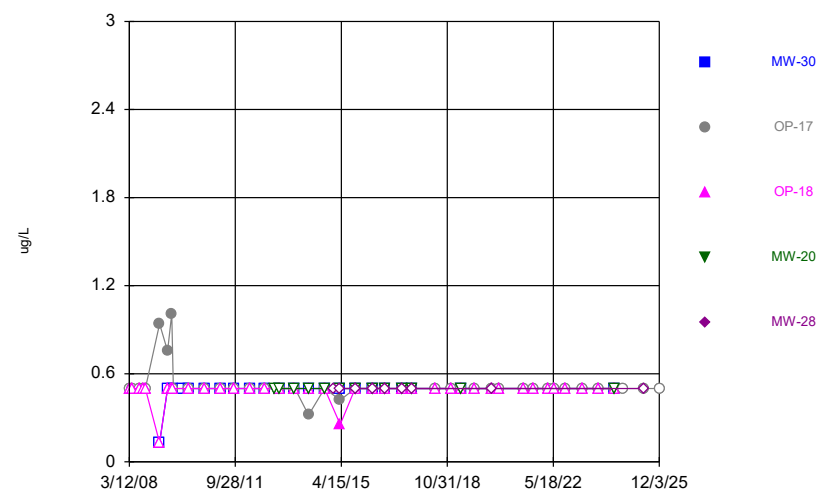
Constituent: Vanadium Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



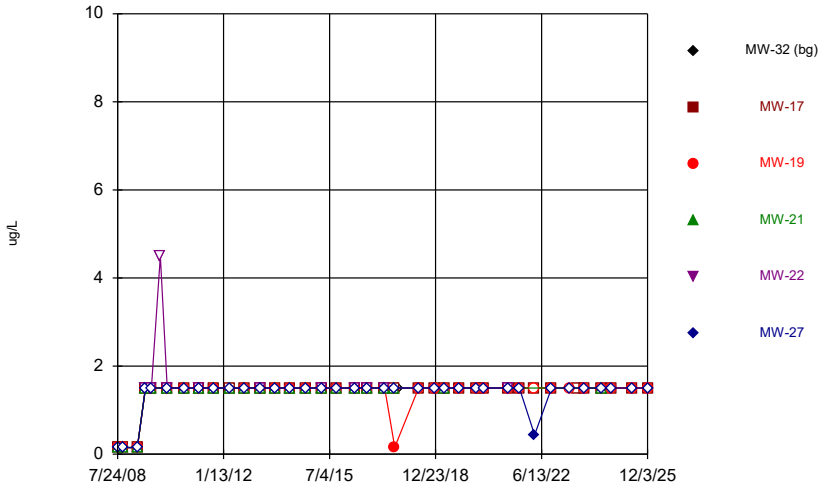
Constituent: Vinyl chloride Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



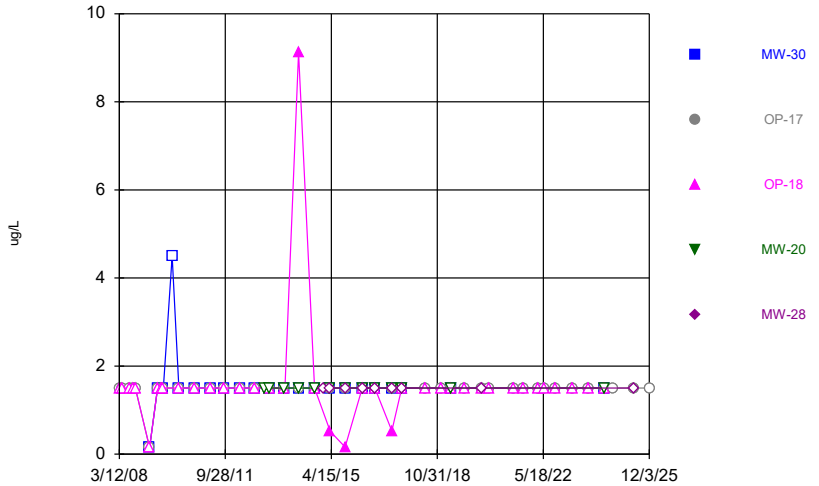
Constituent: Vinyl chloride Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



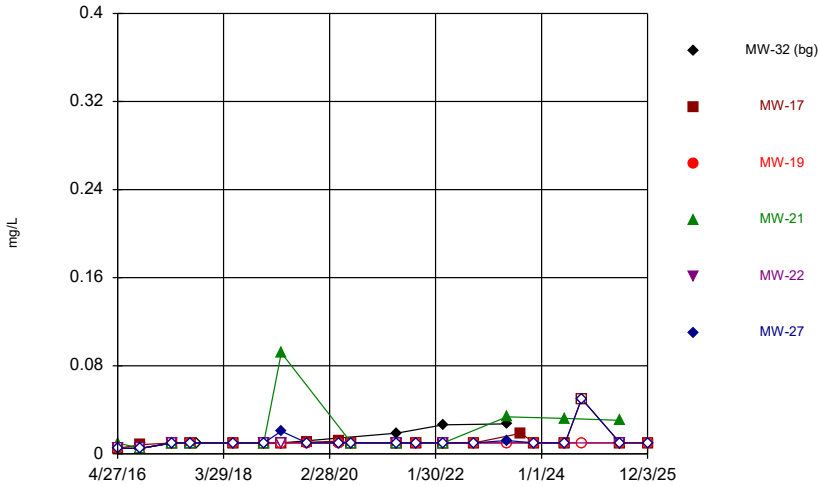
Constituent: Xylenes, total Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



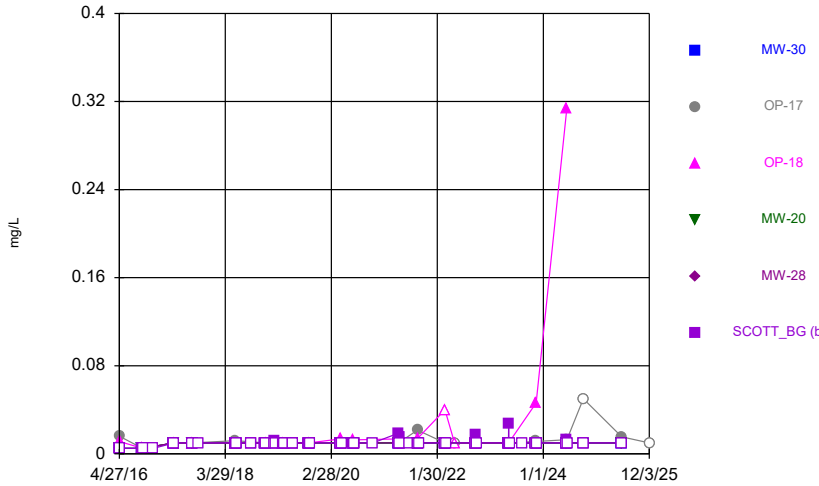
Constituent: Xylenes, total Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



Constituent: Zinc Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Time Series



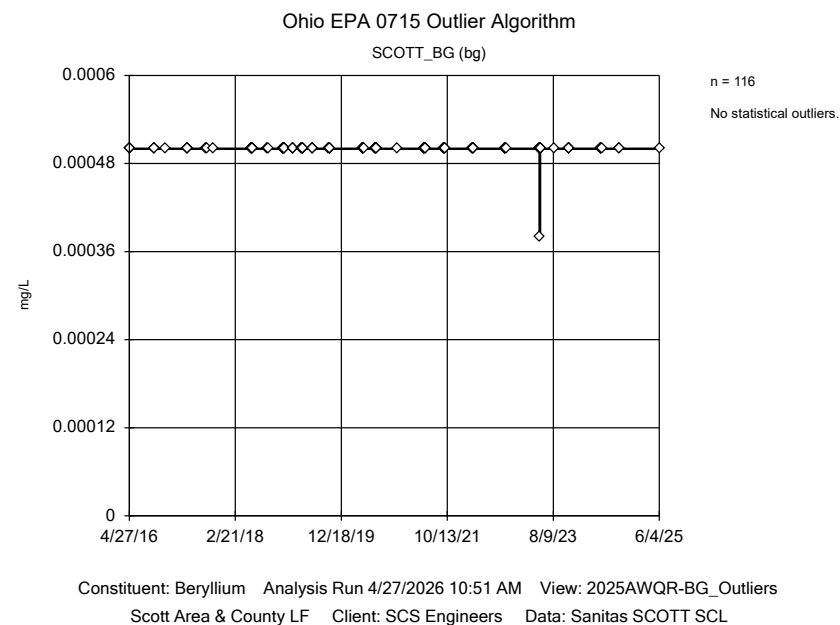
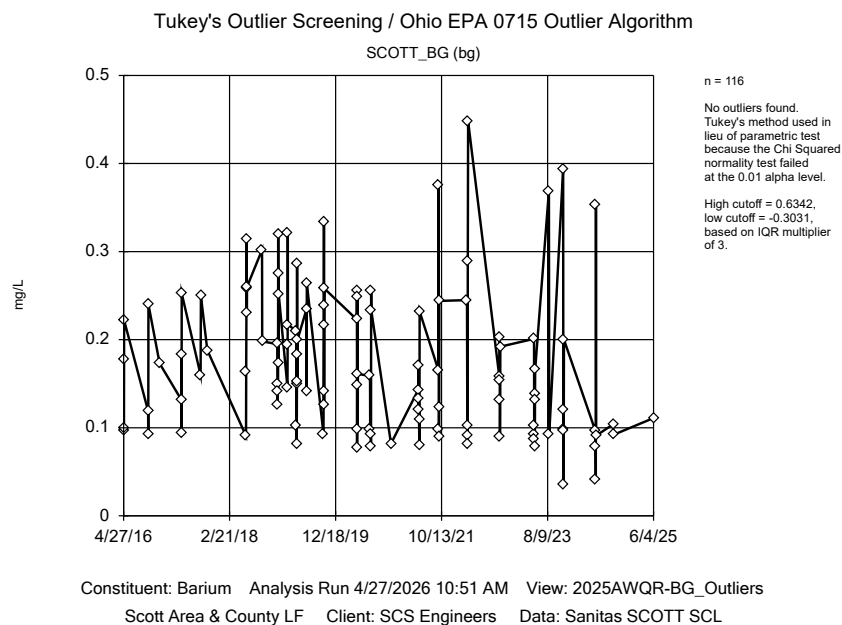
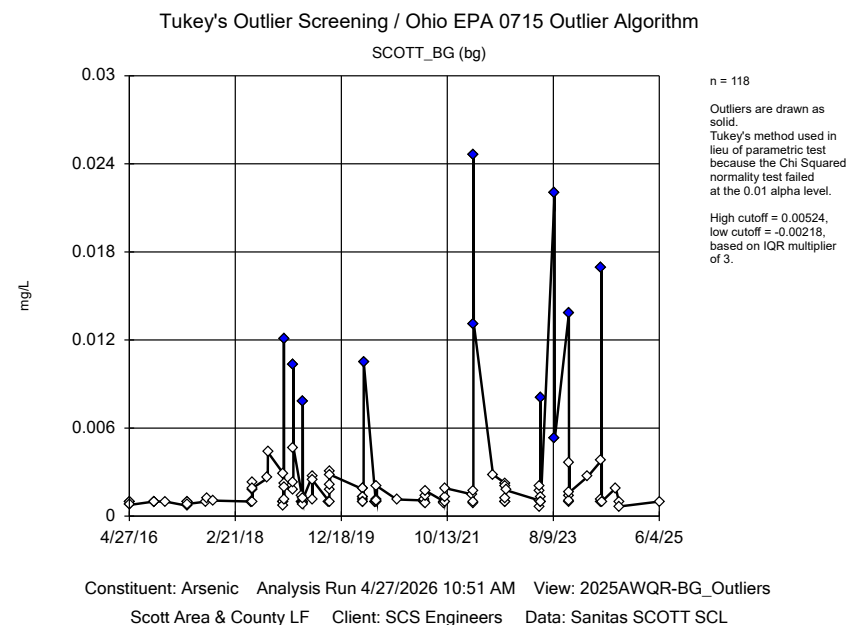
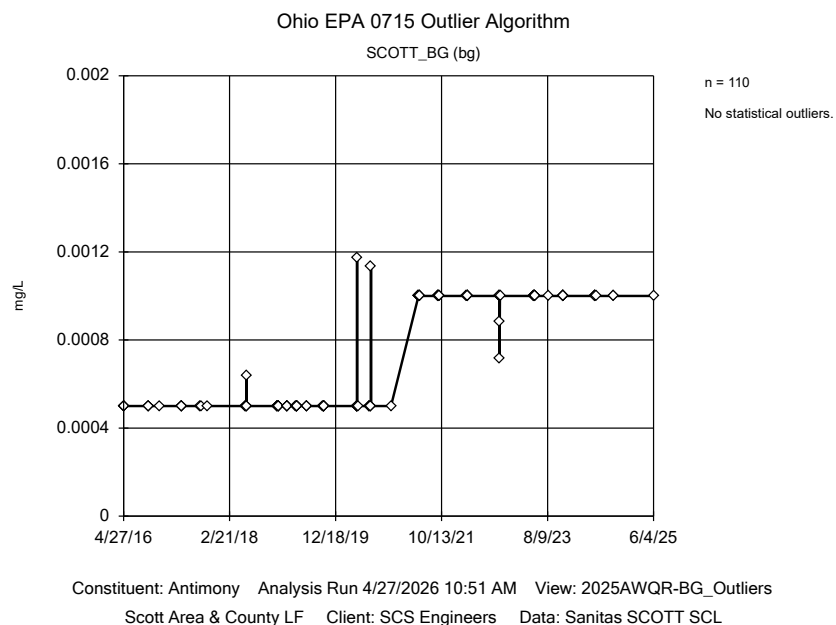
Constituent: Zinc Analysis Run 4/27/2026 10:47 AM View: 2025AWQR-Time_Series
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Outlier Tests Summary Table and Graphs

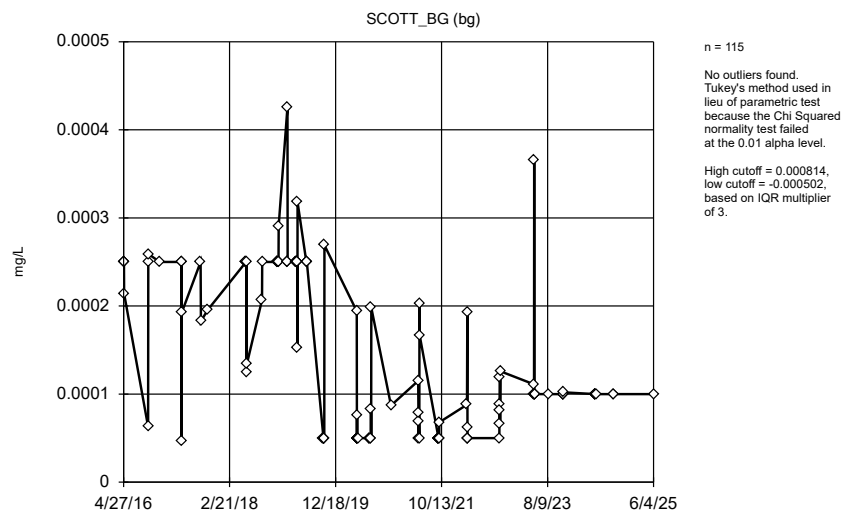
BG Outlier Analysis

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL Printed 4/27/2026, 10:57 AM

<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Normality Test</u>
Antimony (mg/L)	SCOTT_BG (bg)	No	n/a	n/a	OH	110	0.0007186	0.00025	n/a
Arsenic (mg/L)	SCOTT_BG (bg)	Yes	0.0121,0.0103,0.00782,0.0105,0.02465,0.0131,0.008	12/23/2018,2/21/2019,4/20/2019,5/7/2020,3/26/2022	NP (nrm)/OH	118	0.00255	0.003902	ChiSquared
Barium (mg/L)	SCOTT_BG (bg)	No	n/a	n/a	NP (nrm)/OH	116	0.1731	0.08288	ChiSquared
Beryllium (mg/L)	SCOTT_BG (bg)	No	n/a	n/a	OH	116	0.000499	0.00001114	n/a
Cadmium (mg/L)	SCOTT_BG (bg)	No	n/a	n/a	NP (nrm)/OH	115	0.0001471	0.00009043	ChiSquared
Chromium (mg/L)	SCOTT_BG (bg)	No	n/a	n/a	OH	111	0.002425	0.0004454	n/a
Cobalt (mg/L)	SCOTT_BG (bg)	No	n/a	n/a	NP (nrm)/OH	114	0.001733	0.002036	ChiSquared
Copper (mg/L)	SCOTT_BG (bg)	No	n/a	n/a	NP (nrm)/OH	115	0.002665	0.0006617	ChiSquared
Lead (mg/L)	SCOTT_BG (bg)	Yes	0.000493,0.000363,0.000311,0.00102,0.000286,0.000	4/28/2016,8/25/2017,6/5/2018,6/7/2018,6/9/2018,6/	NP (nrm)/OH	117	0.0003321	0.0002789	ChiSquared
Nickel (mg/L)	SCOTT_BG (bg)	Yes	0.0279,0.0318,0.0288,0.0232,0.021,0.02605	2/19/2019,5/27/2021,9/28/2021,3/23/2022,11/19/202	NP (nrm)/OH	115	0.005527	0.005901	ChiSquared
Selenium (mg/L)	SCOTT_BG (bg)	No	n/a	n/a	OH	112	0.002349	0.0004189	n/a
Silver (mg/L)	SCOTT_BG (bg)	No	n/a	n/a	OH	110	0.0004915	0.00004727	n/a
Thallium (mg/L)	SCOTT_BG (bg)	No	n/a	n/a	OH	112	0.0004988	0.00009295	n/a
Vanadium (mg/L)	SCOTT_BG (bg)	Yes	0.000706,0.000597,0.000504,0.000384,0.0041,0.0040	4/29/2016,4/30/2016,9/28/2016,12/9/2016,6/7/2018,	NP (nrm)/OH	117	0.002334	0.0008347	ChiSquared
Zinc (mg/L)	SCOTT_BG (bg)	No	n/a	n/a	OH	116	0.01002	0.002395	n/a

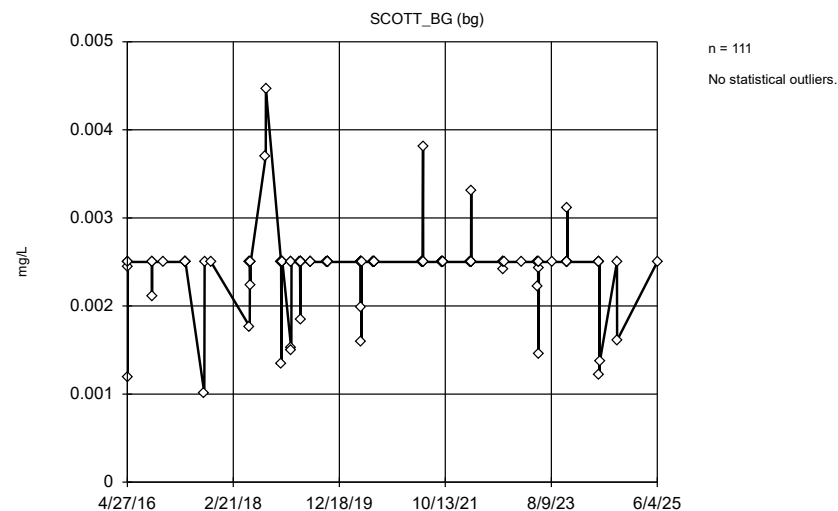


Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



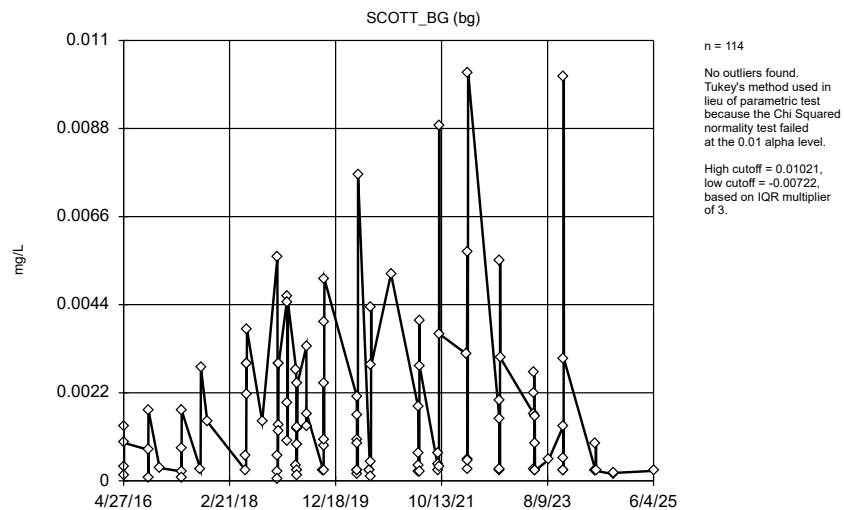
Constituent: Cadmium Analysis Run 4/27/2026 10:51 AM View: 2025AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Ohio EPA 0715 Outlier Algorithm



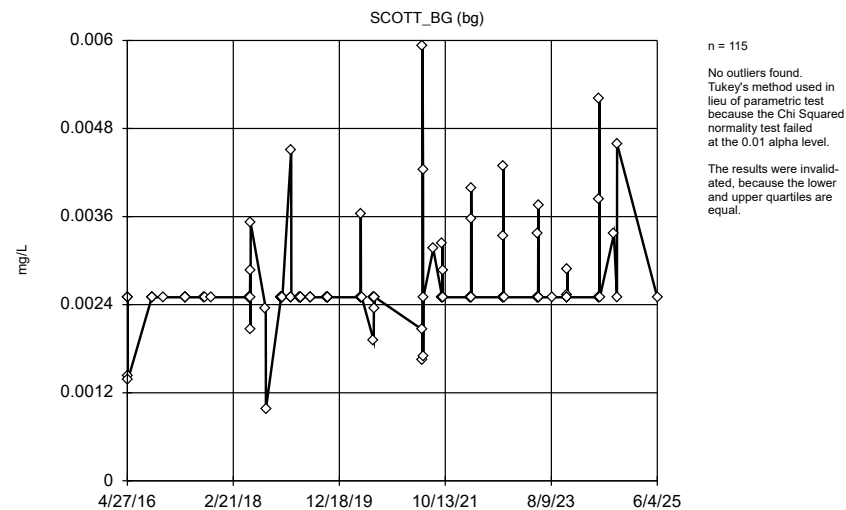
Constituent: Chromium Analysis Run 4/27/2026 10:51 AM View: 2025AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



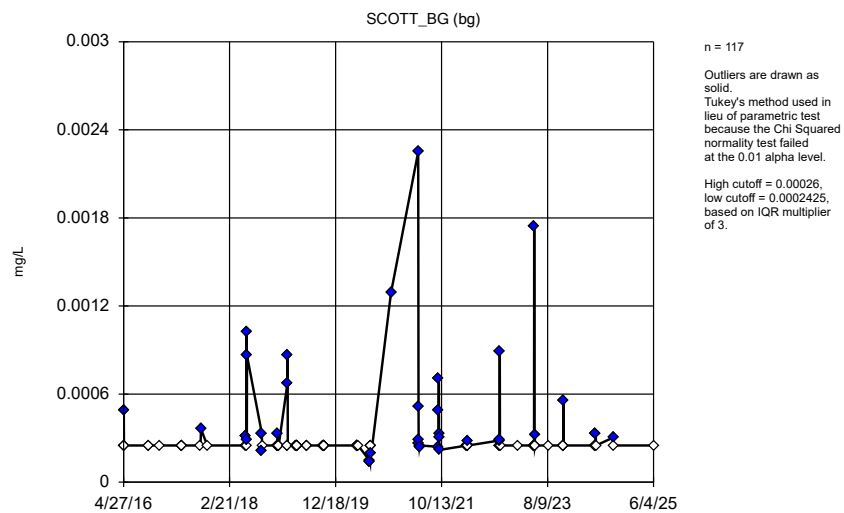
Constituent: Cobalt Analysis Run 4/27/2026 10:51 AM View: 2025AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



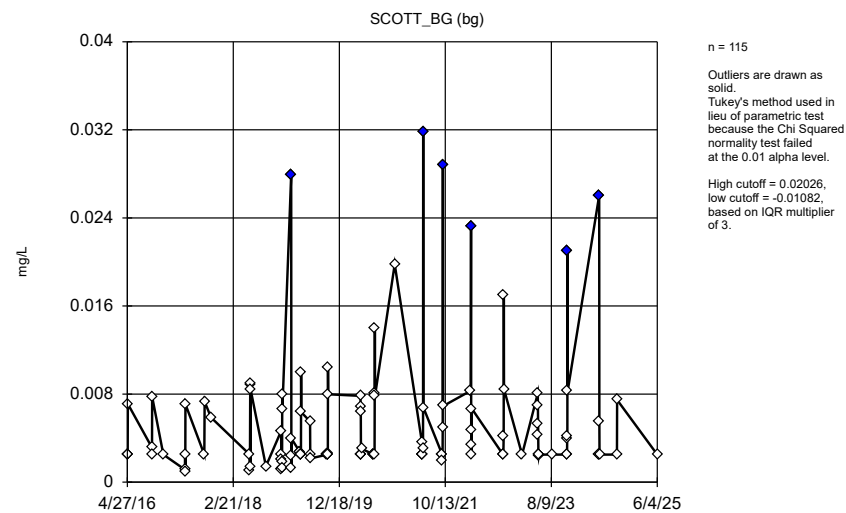
Constituent: Copper Analysis Run 4/27/2026 10:51 AM View: 2025AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



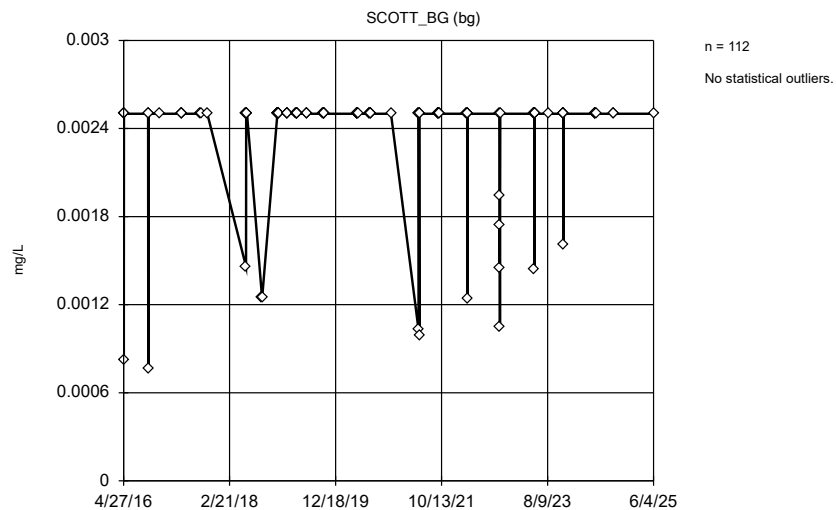
Constituent: Lead Analysis Run 4/27/2026 10:51 AM View: 2025AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Tukey's Outlier Screening / Ohio EPA 0715 Outlier Algorithm



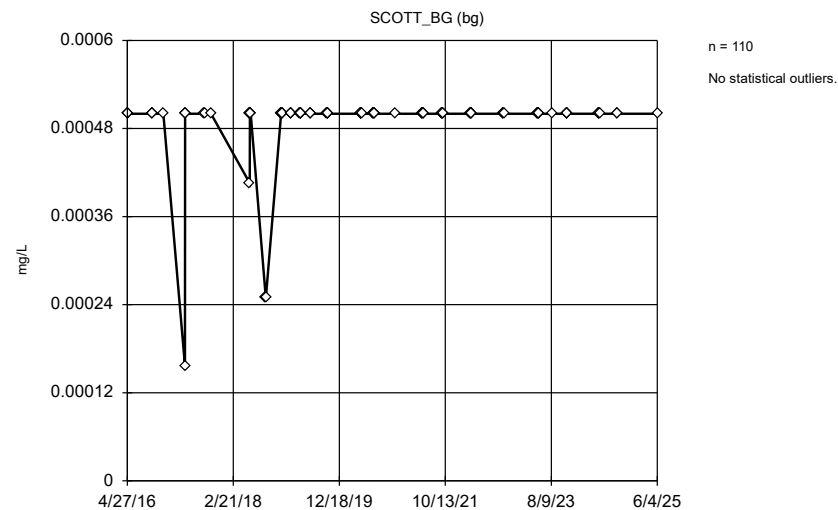
Constituent: Nickel Analysis Run 4/27/2026 10:51 AM View: 2025AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Ohio EPA 0715 Outlier Algorithm

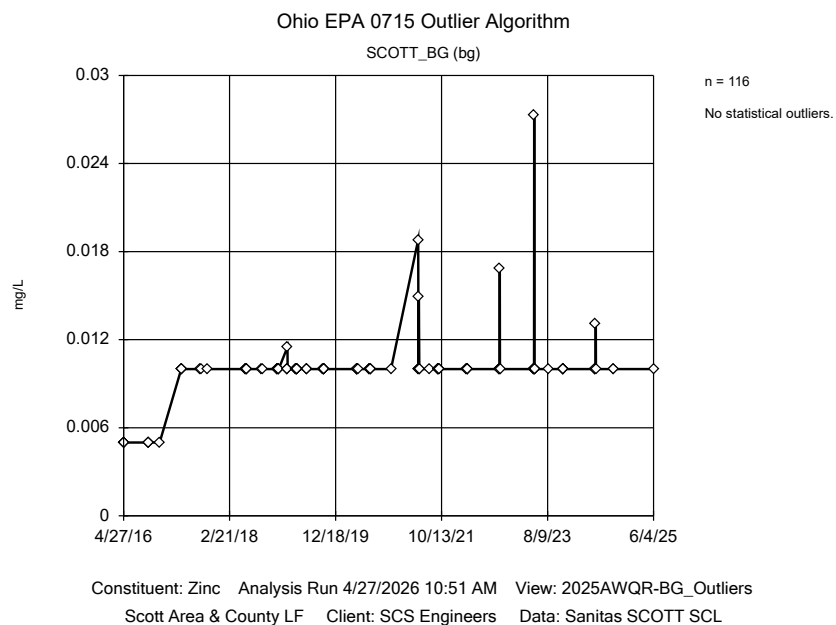
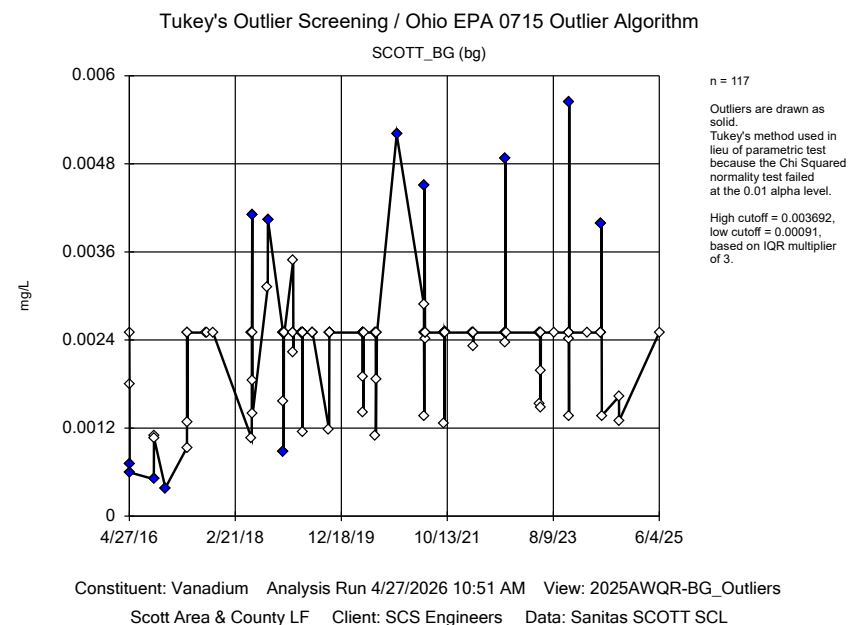
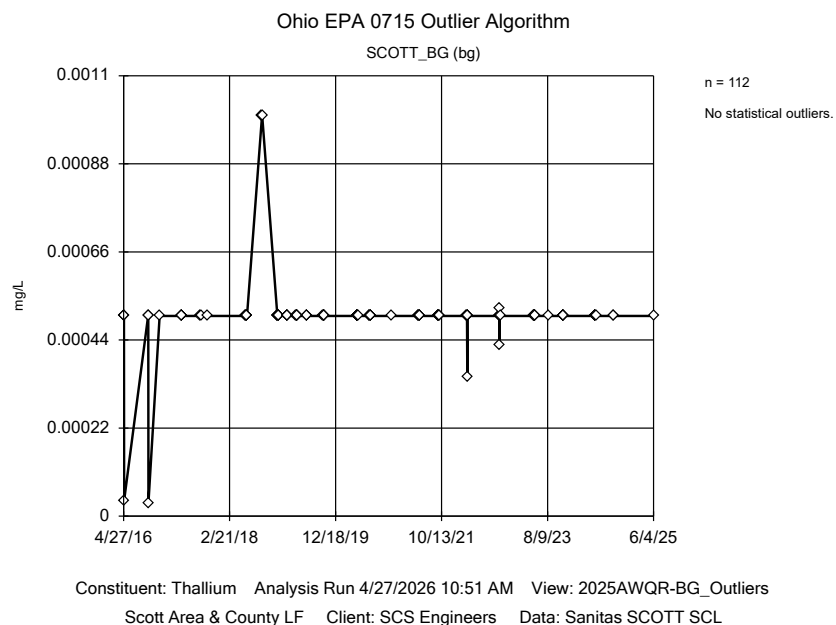


Constituent: Selenium Analysis Run 4/27/2026 10:51 AM View: 2025AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Ohio EPA 0715 Outlier Algorithm



Constituent: Silver Analysis Run 4/27/2026 10:51 AM View: 2025AWQR-BG_Outliers
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL



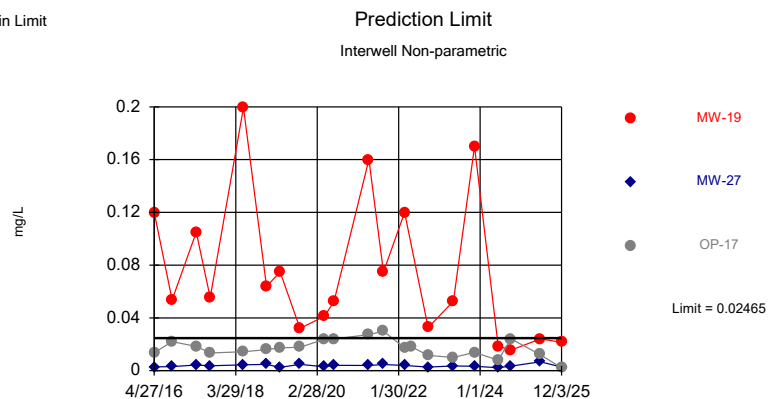
Interwell Prediction Limit Summary Table and Graphs

AM Prediction Limit

Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL Printed 4/27/2026, 11:28 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Wells</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	MW-19	0.02465	n/a	12/3/2025	0.0215	No	118	SCOTT_BG	n/a	n/a	29.66	n/a	n/a	0.0001404	NP Inter (normality) 1 of 2
Arsenic (mg/L)	MW-27	0.02465	n/a	12/3/2025	0.00269	No	118	SCOTT_BG	n/a	n/a	29.66	n/a	n/a	0.0001404	NP Inter (normality) 1 of 2
Arsenic (mg/L)	OP-17	0.02465	n/a	12/3/2025	0.00215	No	118	SCOTT_BG	n/a	n/a	29.66	n/a	n/a	0.0001404	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-17	0.448	n/a	12/3/2025	0.194	No	116	SCOTT_BG	n/a	n/a	0	n/a	n/a	0.0001462	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-19	0.448	n/a	12/3/2025	0.141	No	116	SCOTT_BG	n/a	n/a	0	n/a	n/a	0.0001462	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-27	0.448	n/a	12/3/2025	0.151	No	116	SCOTT_BG	n/a	n/a	0	n/a	n/a	0.0001462	NP Inter (normality) 1 of 2
Barium (mg/L)	OP-17	0.448	n/a	12/3/2025	0.292	No	116	SCOTT_BG	n/a	n/a	0	n/a	n/a	0.0001462	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-19	0.0102	n/a	12/3/2025	0.00395	No	114	SCOTT_BG	n/a	n/a	14.04	n/a	n/a	0.000152	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-27	0.0102	n/a	12/3/2025	0.00207	No	114	SCOTT_BG	n/a	n/a	14.04	n/a	n/a	0.000152	NP Inter (normality) 1 of 2
Cobalt (mg/L)	OP-17	0.0102	n/a	12/3/2025	0.00144	No	114	SCOTT_BG	n/a	n/a	14.04	n/a	n/a	0.000152	NP Inter (normality) 1 of 2
Nickel (mg/L)	OP-17	0.0318	n/a	12/3/2025	0.0128	No	115	SCOTT_BG	n/a	n/a	38.26	n/a	n/a	0.0001491	NP Inter (normality) 1 of 2

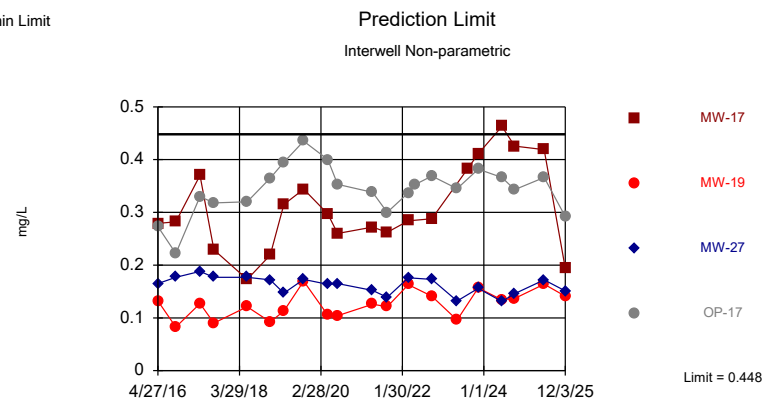
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 118 background values. 29.66% NDs. Annual per-constituent alpha = 0.002805. Individual comparison alpha = 0.0001404 (1 of 2). Comparing 3 points to limit. Assumes 7 future values.

Constituent: Arsenic Analysis Run 4/27/2026 11:26 AM View: 2025AWQR-AM-PL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

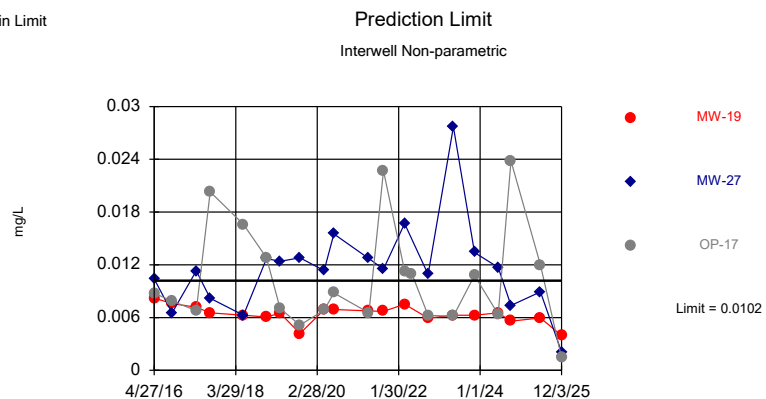
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 116 background values. Annual per-constituent alpha = 0.00292. Individual comparison alpha = 0.0001462 (1 of 2). Comparing 4 points to limit. Assumes 6 future values.

Constituent: Barium Analysis Run 4/27/2026 11:26 AM View: 2025AWQR-AM-PL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

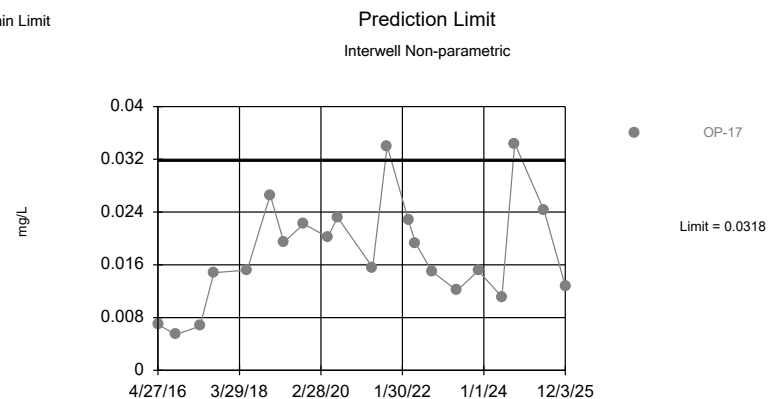
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 114 background values. 14.04% NDs. Annual per-constituent alpha = 0.003036. Individual comparison alpha = 0.000152 (1 of 2). Comparing 3 points to limit. Assumes 7 future values.

Constituent: Cobalt Analysis Run 4/27/2026 11:26 AM View: 2025AWQR-AM-PL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 115 background values. 38.26% NDs. Annual per-constituent alpha = 0.002978. Individual comparison alpha = 0.0001491 (1 of 2). Assumes 9 future values.

Constituent: Nickel Analysis Run 4/27/2026 11:26 AM View: 2025AWQR-AM-PL
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCL

Mann-Kendall/Sen's Slope Trend Test Summary Table and Graphs

Trend Test

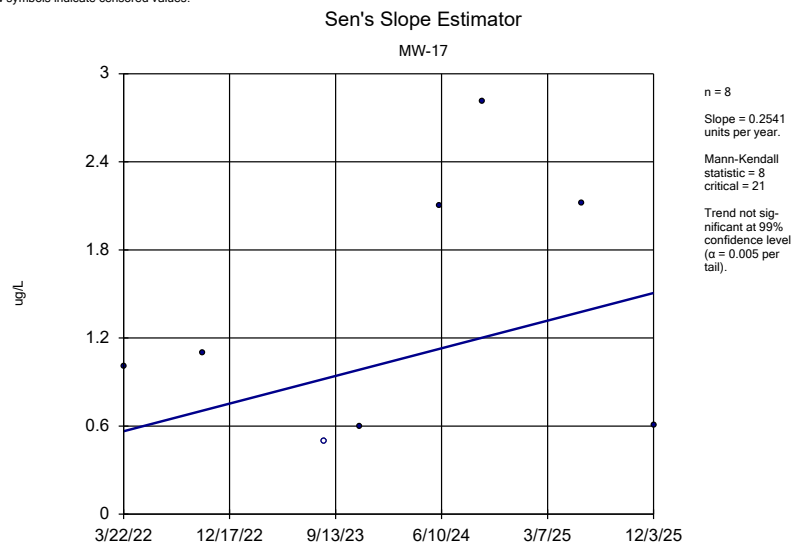
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM Printed 4/21/2026, 1:48 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Alpha</u>	<u>Method</u>
1,1-Dichloroethane (ug/L)	MW-17	0.2541	8	21	No	8	12.5	0.01	NP
1,1-Dichloroethane (ug/L)	MW-27	-0.1797	-10	-21	No	8	0	0.01	NP
1,2-Dichlorobenzene (ug/L)	OP-17	-0.9358	-12	-21	No	8	0	0.01	NP
1,4-Dichlorobenzene (ug/L)	MW-19	-0.1414	-18	-21	No	8	12.5	0.01	NP
1,4-Dichlorobenzene (ug/L)	OP-17	-0.6276	-4	-21	No	8	0	0.01	NP
1,4-Dichlorobenzene (ug/L)	OP-18	0.09509	3	21	No	8	25	0.01	NP
Acetone (ug/L)	MW-27	0	5	21	No	8	87.5	0.01	NP
Arsenic (mg/L)	MW-17	-0.003158	-4	-21	No	8	12.5	0.01	NP
Arsenic (mg/L)	MW-19	-0.01124	-12	-21	No	8	0	0.01	NP
Arsenic (mg/L)	MW-21	-0.000178	-2	-21	No	8	0	0.01	NP
Arsenic (mg/L)	MW-27	-0.0001345	-2	-21	No	8	0	0.01	NP
Arsenic (mg/L)	OP-17	-0.002341	-8	-21	No	8	0	0.01	NP
Arsenic (mg/L)	OP-18	-0.005473	-16	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-17	0.02925	8	21	No	8	0	0.01	NP
Barium (mg/L)	MW-19	0.000156	1	21	No	8	0	0.01	NP
Barium (mg/L)	MW-20	-0.004976	-4	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-21	-0.01522	-16	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-22	0.001745	6	21	No	8	0	0.01	NP
Barium (mg/L)	MW-27	-0.003915	-8	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-28	-0.00322	-8	-21	No	8	0	0.01	NP
Barium (mg/L)	MW-30	-0.006216	-10	-21	No	8	0	0.01	NP
Barium (mg/L)	OP-17	-0.006218	-9	-21	No	8	0	0.01	NP
Barium (mg/L)	OP-18	-0.04479	-18	-21	No	8	0	0.01	NP
Benzene (ug/L)	MW-19	-0.04113	-10	-21	No	8	50	0.01	NP
Benzene (ug/L)	MW-27	0.04088	4	21	No	8	12.5	0.01	NP
Benzene (ug/L)	OP-17	-0.1873	-6	-21	No	8	0	0.01	NP
Benzene (ug/L)	OP-18	-0.1582	-4	-21	No	8	0	0.01	NP
Beryllium (mg/L)	OP-18	0	13	21	No	8	75	0.01	NP
Cadmium (mg/L)	MW-17	0.00001455	9	21	No	8	87.5	0.01	NP
Cadmium (mg/L)	MW-27	0.000005237	8	21	No	8	75	0.01	NP
Cadmium (mg/L)	OP-17	0.000002143	6	21	No	8	62.5	0.01	NP
Carbon disulfide (ug/L)	MW-21	0	-2	-21	No	8	50	0.01	NP
Carbon disulfide (ug/L)	OP-18	0	3	21	No	8	87.5	0.01	NP
Chlorobenzene (ug/L)	MW-27	0.2028	18	21	No	8	0	0.01	NP
Chlorobenzene (ug/L)	OP-17	0.2184	0	21	No	8	0	0.01	NP
Chlorobenzene (ug/L)	OP-18	1.878	4	21	No	8	0	0.01	NP
Chloromethane (ug/L)	OP-17	0	1	21	No	8	87.5	0.01	NP
cis-1,2-Dichloroethene (ug/L)	MW-17	1.002	11	21	No	8	12.5	0.01	NP
cis-1,2-Dichloroethene (ug/L)	MW-19	-0.731	-22	-21	Yes	8	0	0.01	NP
cis-1,2-Dichloroethene (ug/L)	MW-27	-2.461	-10	-21	No	8	0	0.01	NP
Cobalt (mg/L)	MW-17	0.000004994	1	21	No	8	25	0.01	NP
Cobalt (mg/L)	MW-19	-0.0005378	-13	-21	No	8	0	0.01	NP
Cobalt (mg/L)	MW-21	0.00007753	4	21	No	8	0	0.01	NP
Cobalt (mg/L)	MW-27	-0.003387	-18	-21	No	8	0	0.01	NP
Cobalt (mg/L)	MW-28	0	-1	-21	No	8	37.5	0.01	NP
Cobalt (mg/L)	OP-17	-0.00003279	0	21	No	8	0	0.01	NP
Cobalt (mg/L)	OP-18	-0.008417	-12	-21	No	8	0	0.01	NP
Copper (mg/L)	MW-17	0	-1	-21	No	8	87.5	0.01	NP
Copper (mg/L)	MW-21	0	-6	-21	No	8	62.5	0.01	NP
Copper (mg/L)	OP-17	0	-1	-21	No	8	37.5	0.01	NP

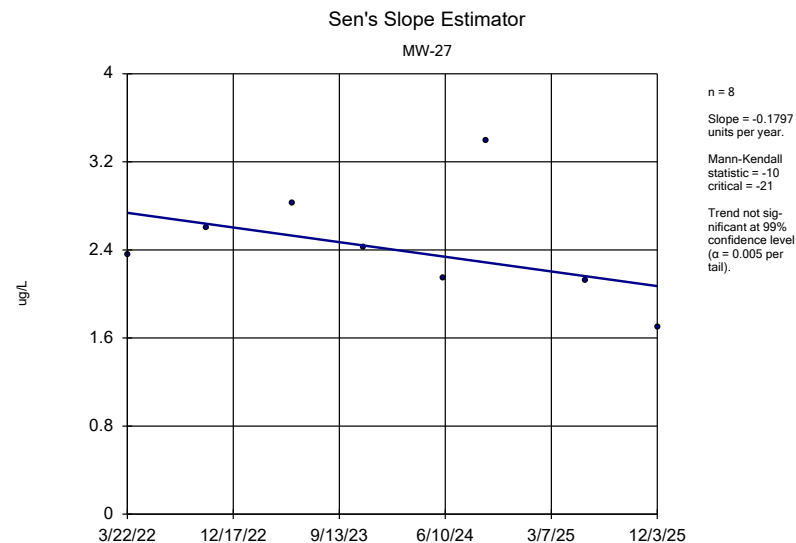
Trend Test

Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM Printed 4/21/2026, 1:48 PM

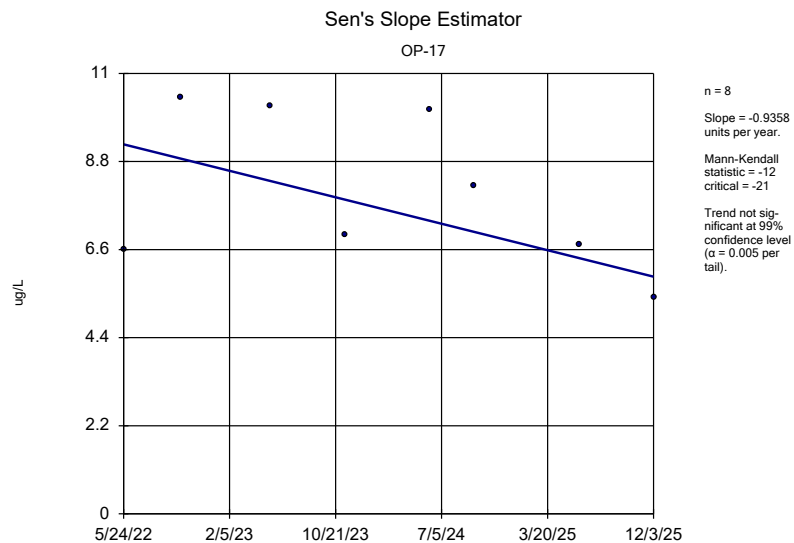
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Alpha</u>	<u>Method</u>
Copper (mg/L)	OP-18	0.01259	17	21	No	8	50	0.01	NP
Lead (mg/L)	MW-17	0	-3	-21	No	8	87.5	0.01	NP
Lead (mg/L)	MW-20	0	3	21	No	8	75	0.01	NP
Lead (mg/L)	MW-21	-0.000005418	-1	-21	No	8	25	0.01	NP
Lead (mg/L)	MW-22	0	13	21	No	8	75	0.01	NP
Lead (mg/L)	MW-27	-0.000006156	-12	-21	No	8	62.5	0.01	NP
Lead (mg/L)	OP-17	0	4	21	No	8	62.5	0.01	NP
Lead (mg/L)	OP-18	0.00003917	3	21	No	8	37.5	0.01	NP
Methoxychlor (ug/L)	MW-19	0.001802	20	21	No	8	87.5	0.01	NP
Nickel (mg/L)	MW-17	0	-1	-21	No	8	87.5	0.01	NP
Nickel (mg/L)	MW-21	-0.00005237	-5	-21	No	8	37.5	0.01	NP
Nickel (mg/L)	MW-27	-0.004152	-12	-21	No	8	25	0.01	NP
Nickel (mg/L)	OP-17	-0.0003038	0	21	No	8	0	0.01	NP
Nickel (mg/L)	OP-18	-0.01287	-6	-21	No	8	0	0.01	NP
Sulfide (mg/L)	MW-30	0	-1	-21	No	8	87.5	0.01	NP
Tin (mg/L)	MW-30	0	-5	-21	No	8	87.5	0.01	NP
Zinc (mg/L)	MW-21	0	4	21	No	8	50	0.01	NP
Zinc (mg/L)	OP-18	0.008485	7	21	No	8	50	0.01	NP



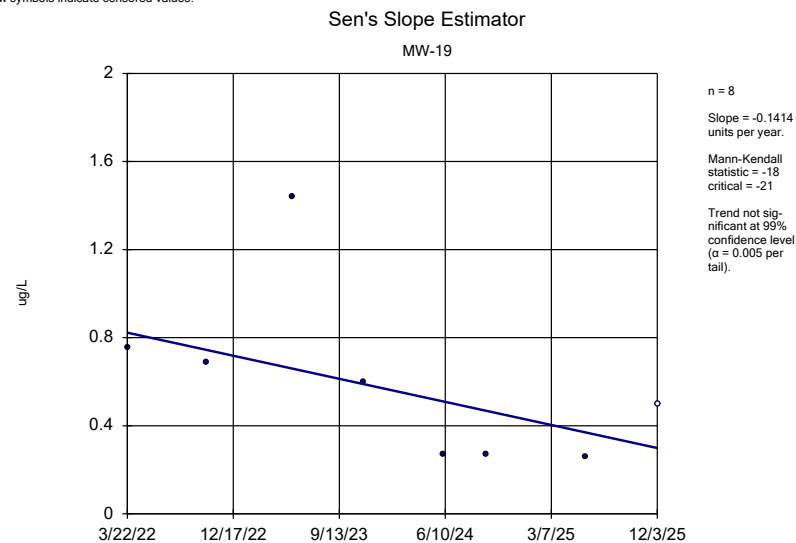
Constituent: 1,1-Dichloroethane Analysis Run 4/21/2026 1:39 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



Constituent: 1,1-Dichloroethane Analysis Run 4/21/2026 1:39 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



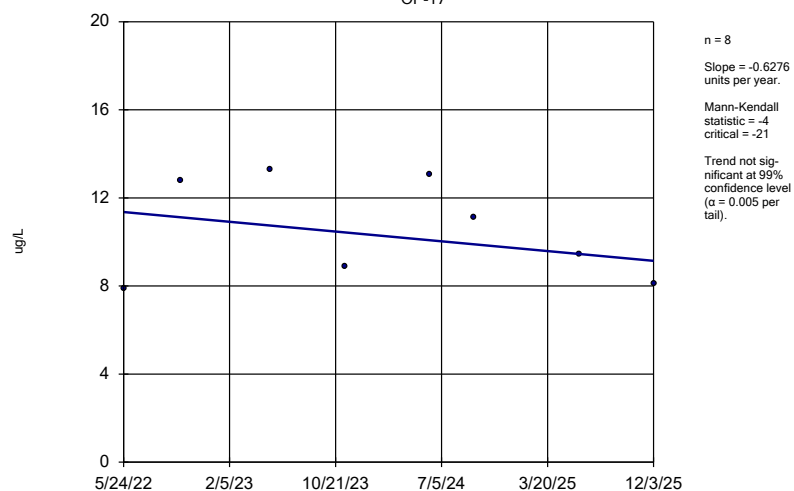
Constituent: 1,2-Dichlorobenzene Analysis Run 4/21/2026 1:39 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



Constituent: 1,4-Dichlorobenzene Analysis Run 4/21/2026 1:39 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Sen's Slope Estimator

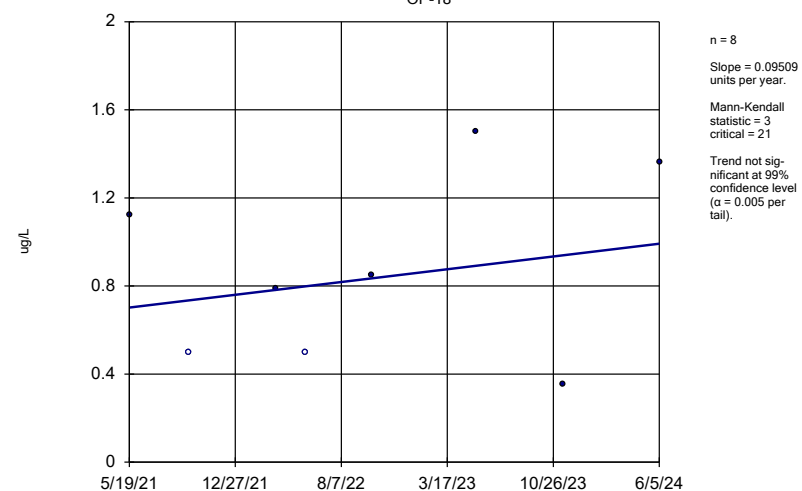
OP-17



Constituent: 1,4-Dichlorobenzene Analysis Run 4/21/2026 1:39 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Sen's Slope Estimator

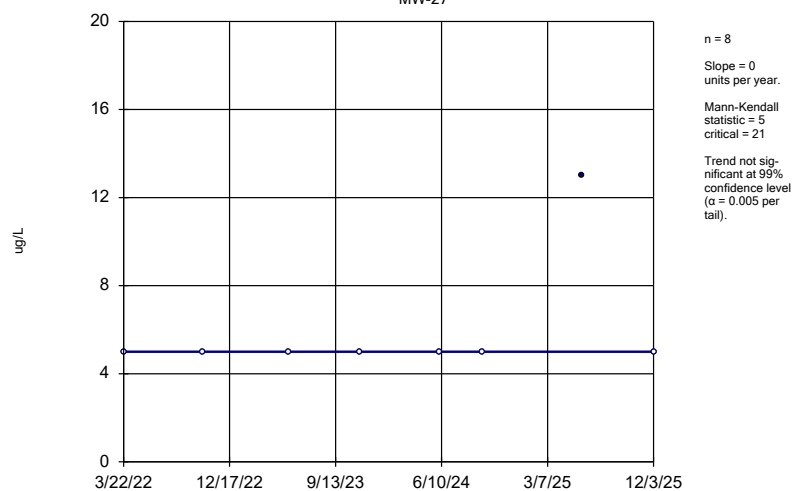
OP-18

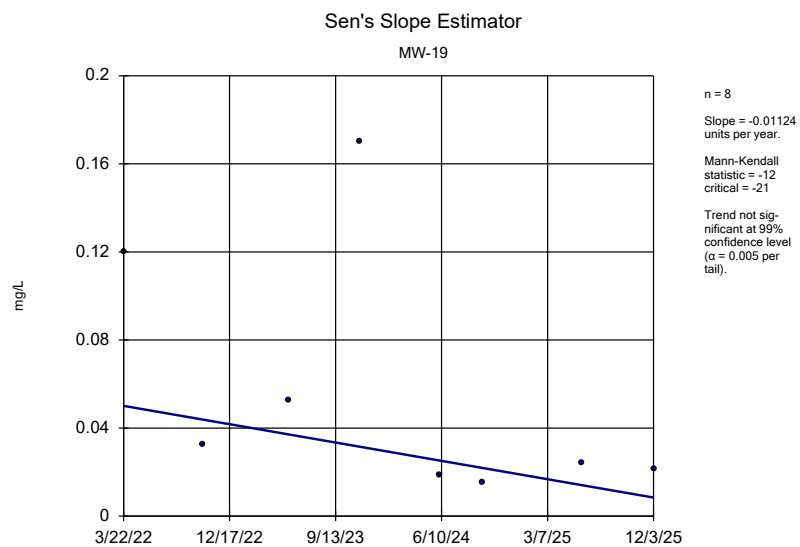


Constituent: 1,4-Dichlorobenzene Analysis Run 4/21/2026 1:39 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

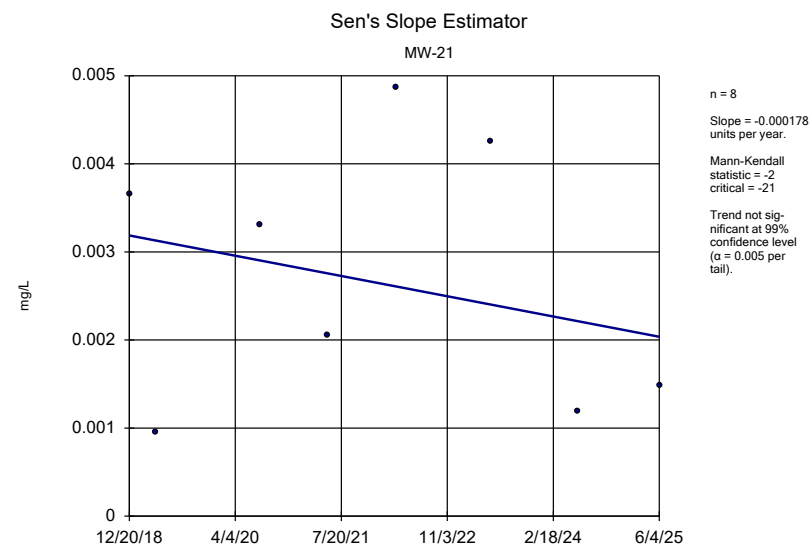
Sen's Slope Estimator

MW-27

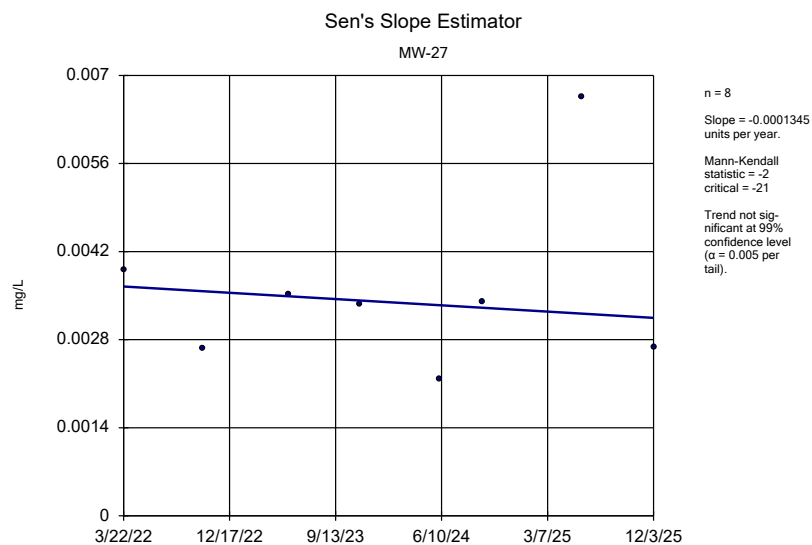




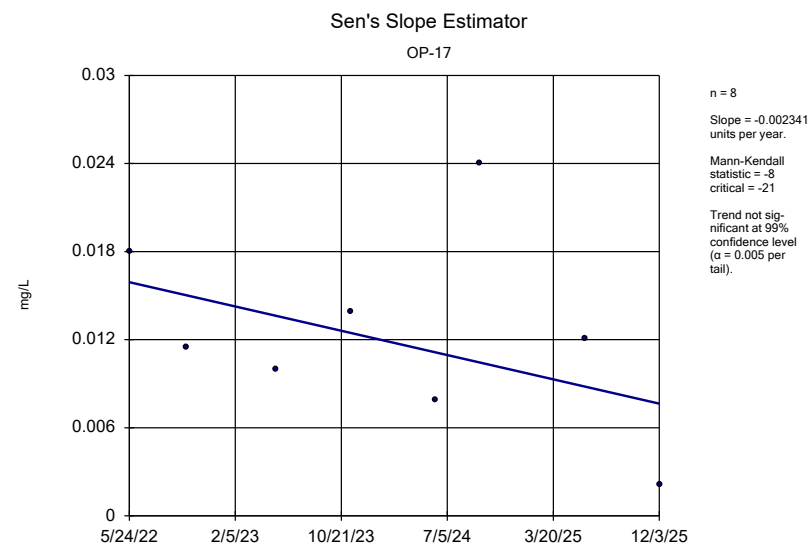
Constituent: Arsenic Analysis Run 4/21/2026 1:39 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



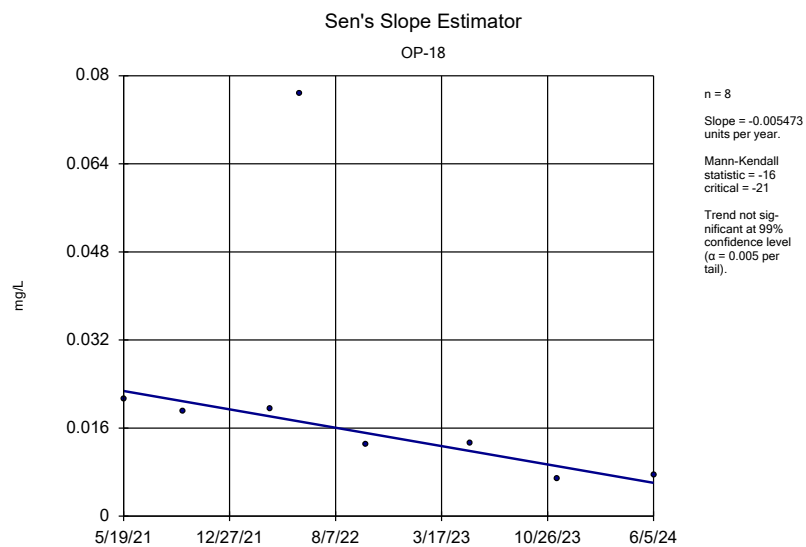
Constituent: Arsenic Analysis Run 4/21/2026 1:39 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



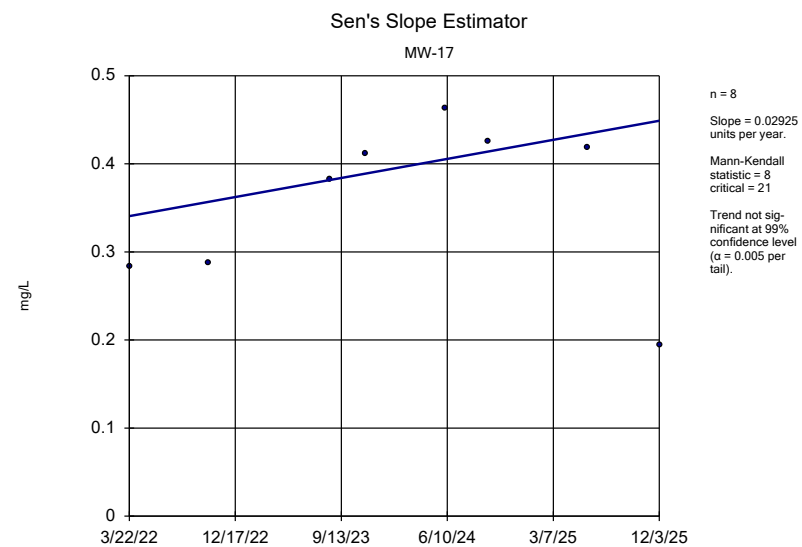
Constituent: Arsenic Analysis Run 4/21/2026 1:39 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



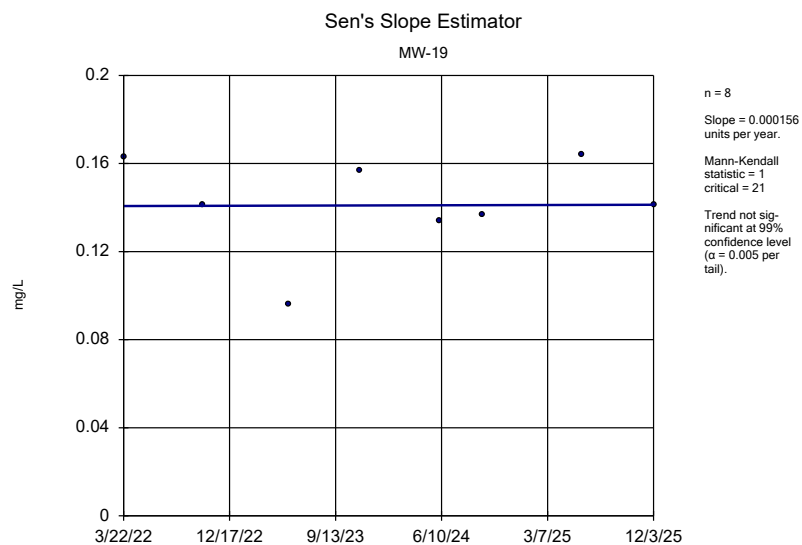
Constituent: Arsenic Analysis Run 4/21/2026 1:39 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



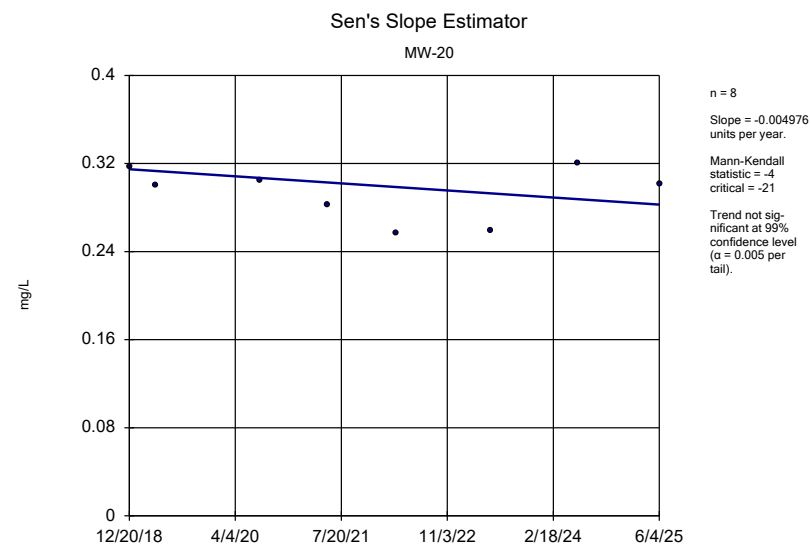
Constituent: Arsenic Analysis Run 4/21/2026 1:39 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



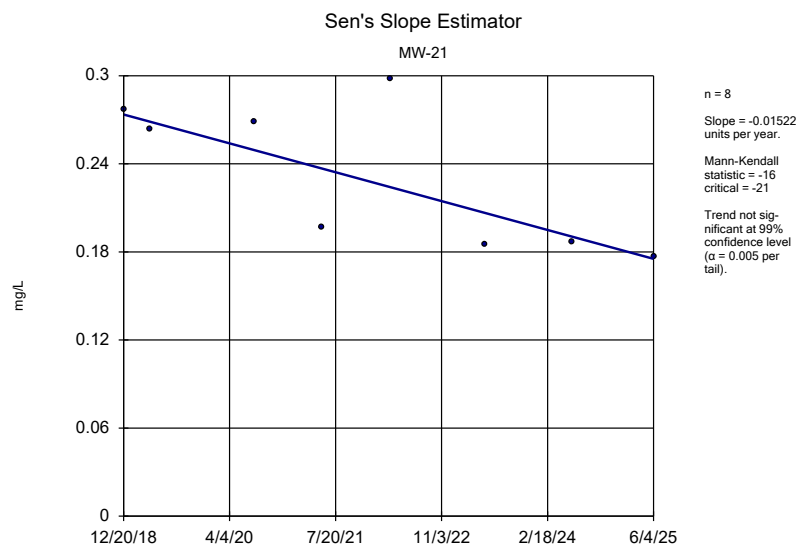
Constituent: Barium Analysis Run 4/21/2026 1:39 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



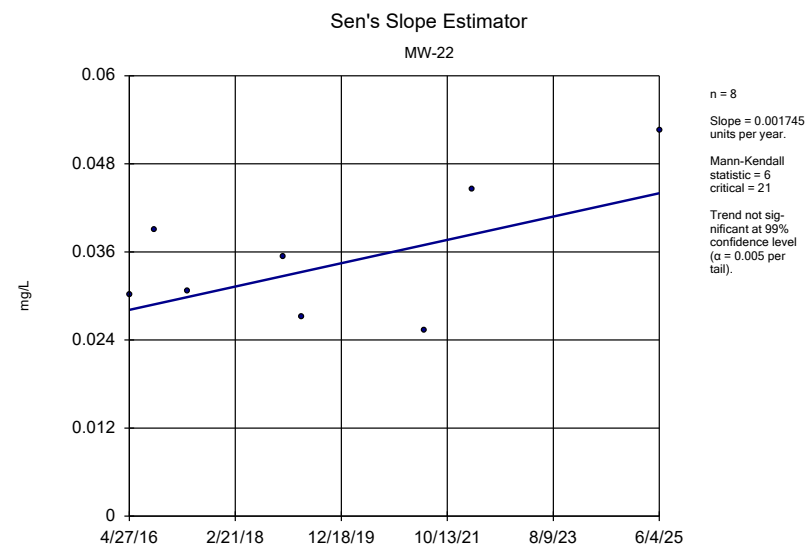
Constituent: Barium Analysis Run 4/21/2026 1:39 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



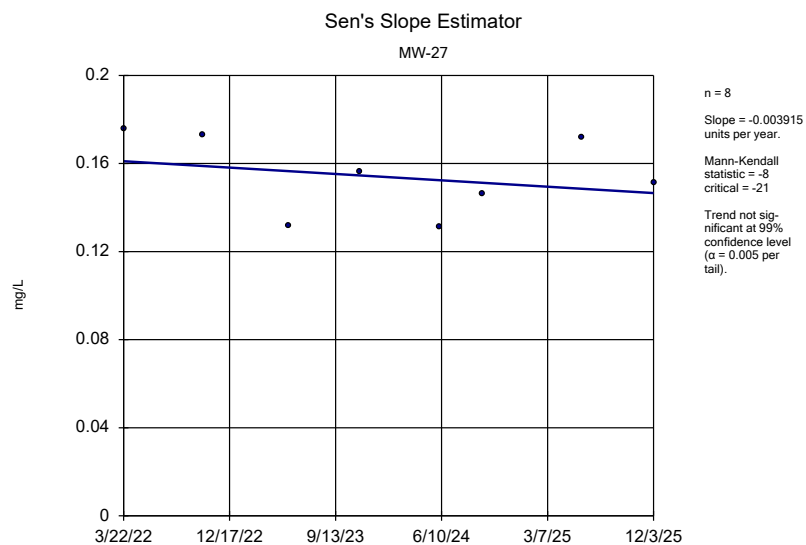
Constituent: Barium Analysis Run 4/21/2026 1:39 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



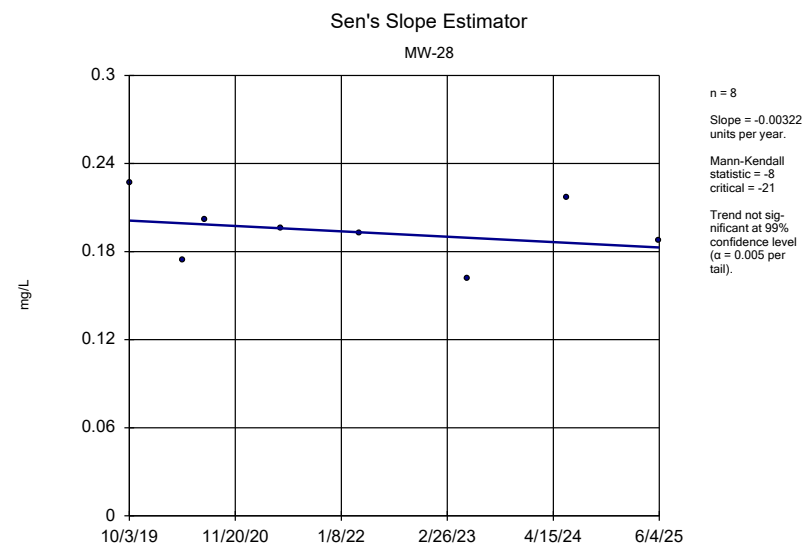
Constituent: Barium Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



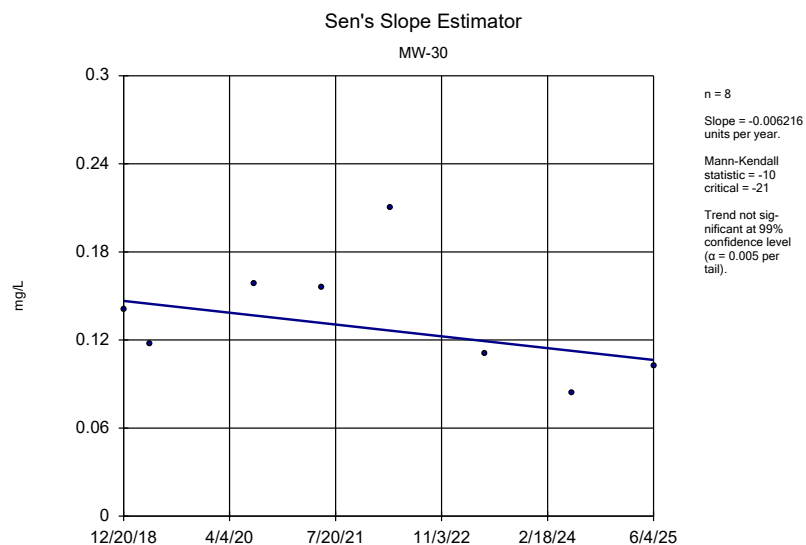
Constituent: Barium Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



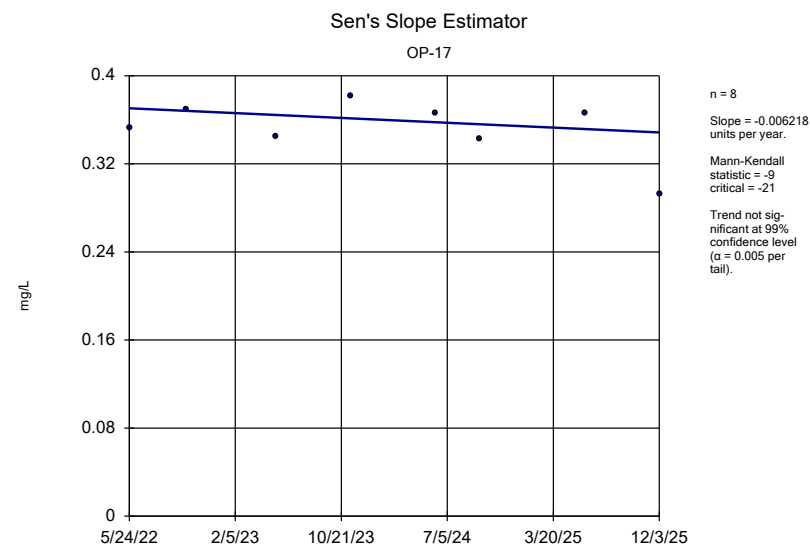
Constituent: Barium Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



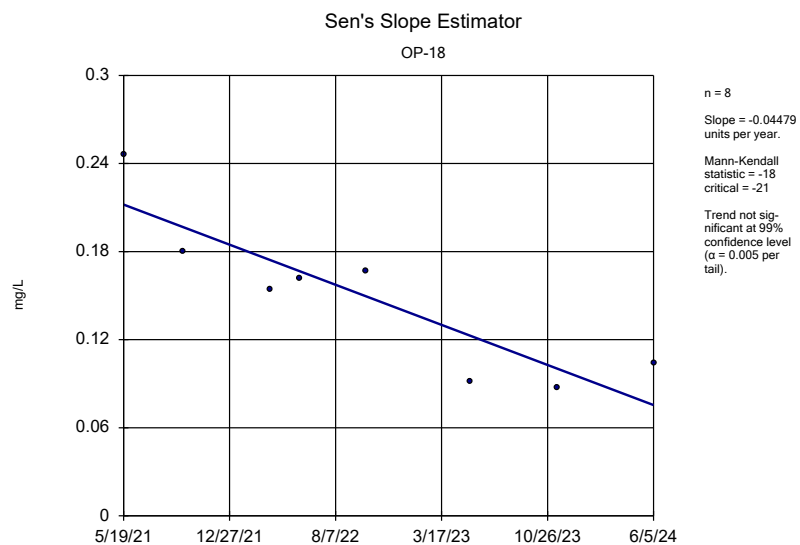
Constituent: Barium Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



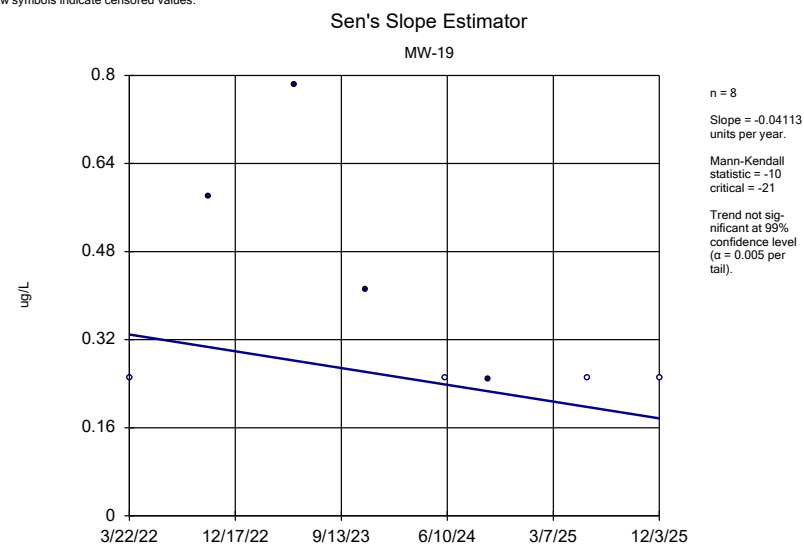
Constituent: Barium Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



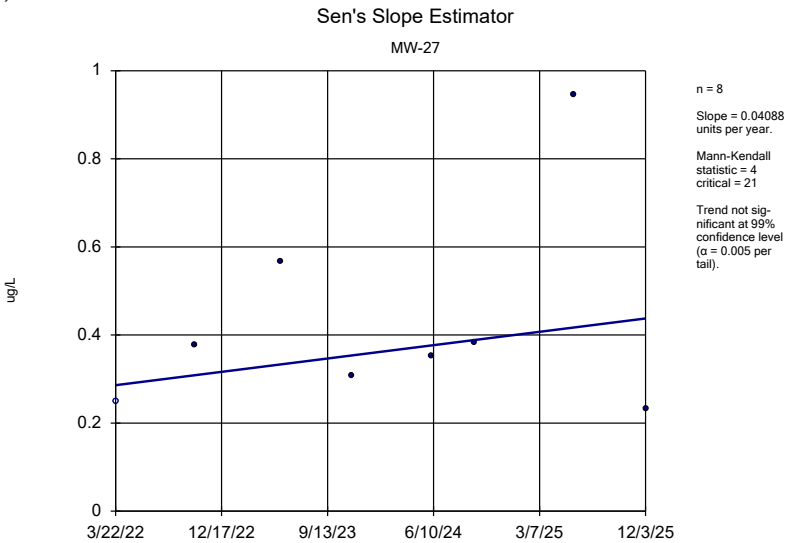
Constituent: Barium Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



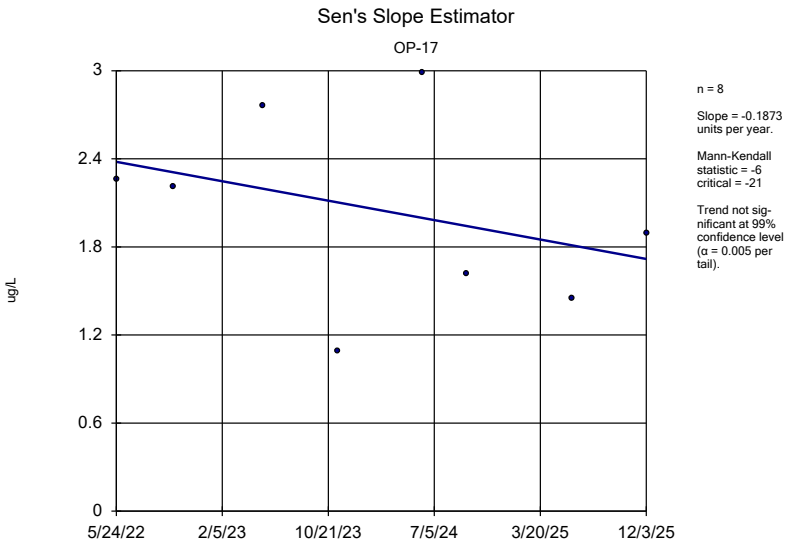
Constituent: Barium Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



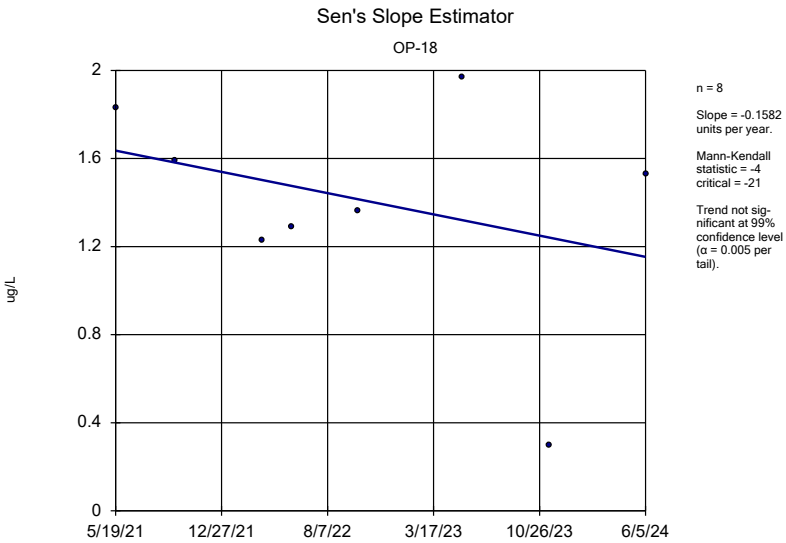
Constituent: Benzene Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



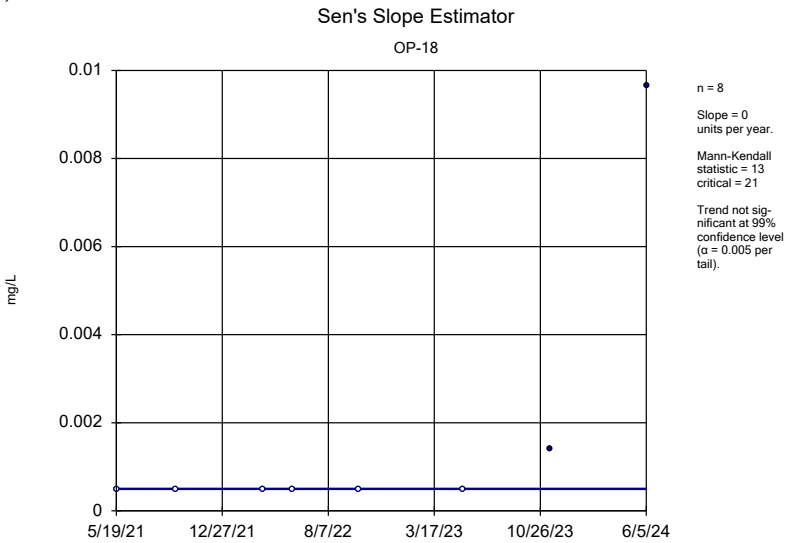
Constituent: Benzene Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



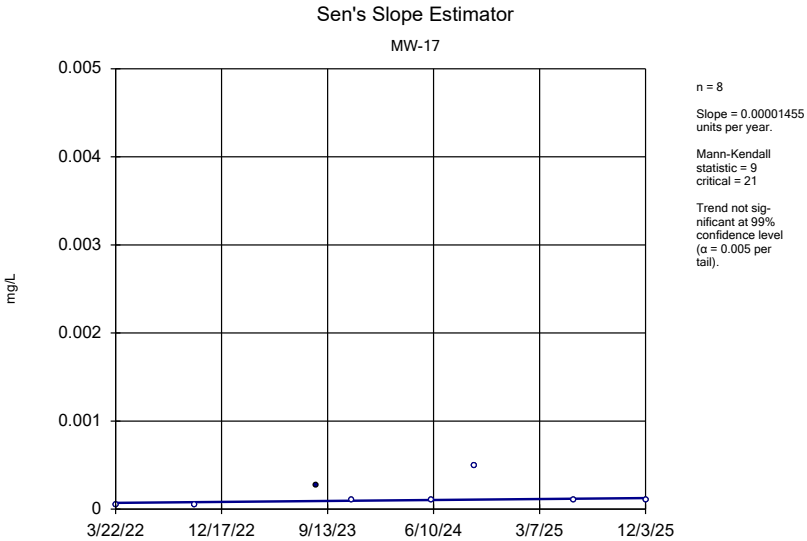
Constituent: Benzene Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



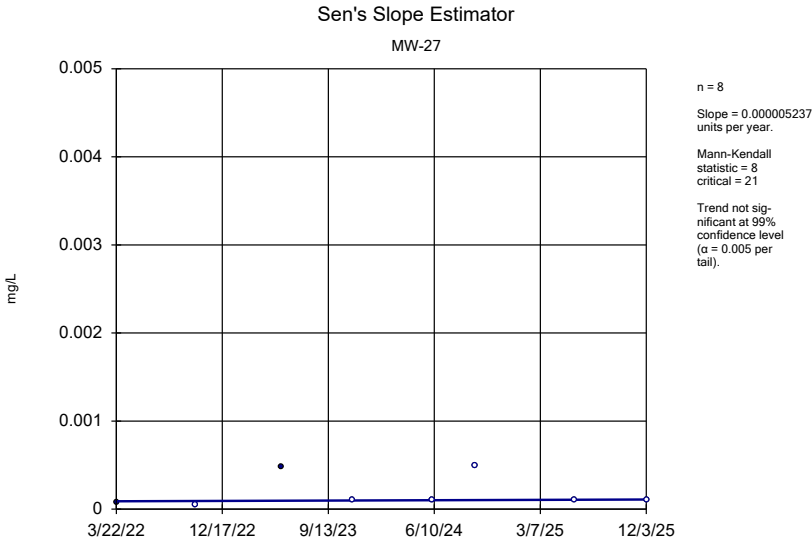
Constituent: Benzene Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



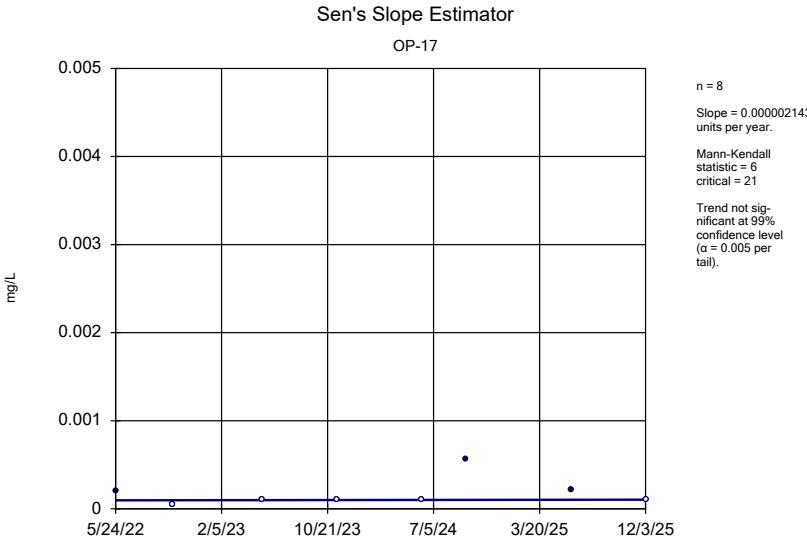
Constituent: Beryllium Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



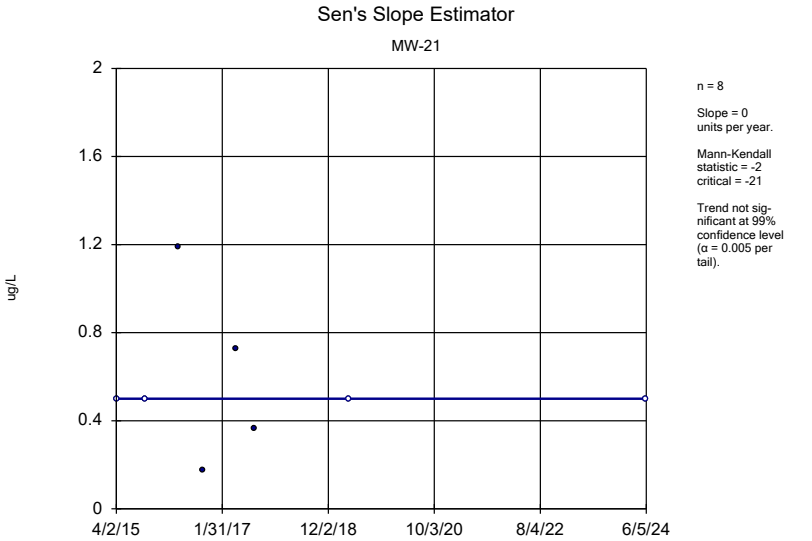
Constituent: Cadmium Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



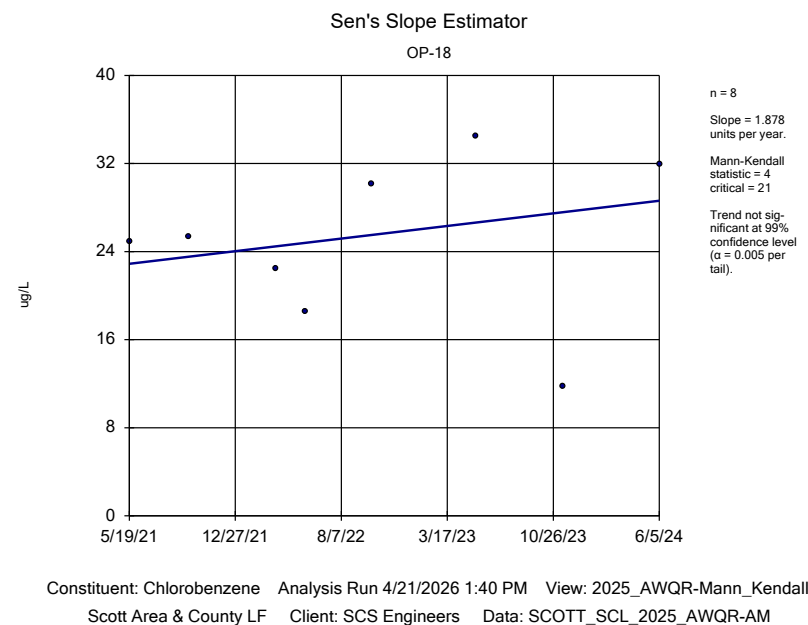
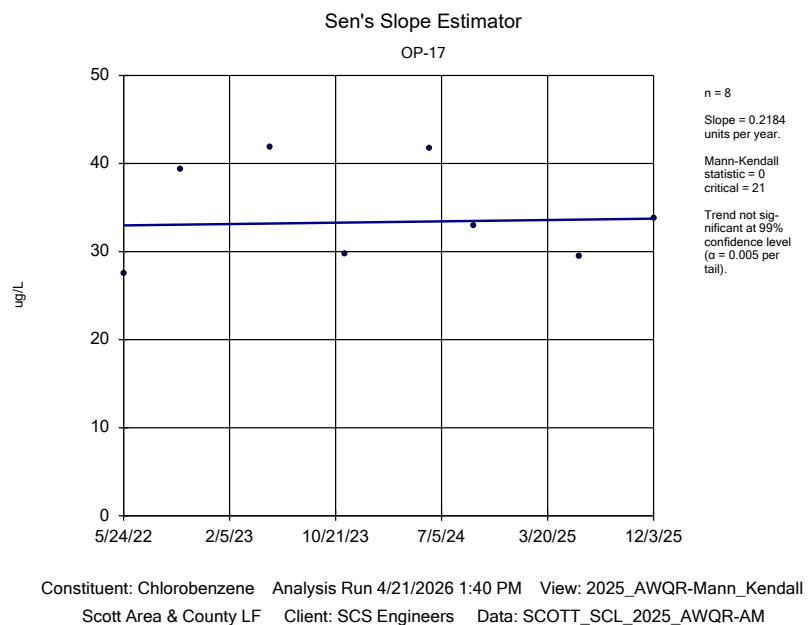
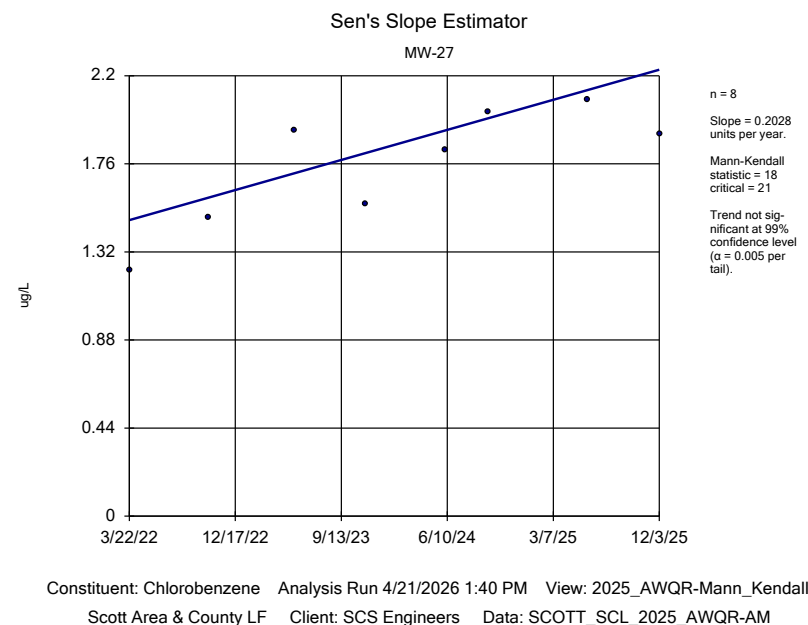
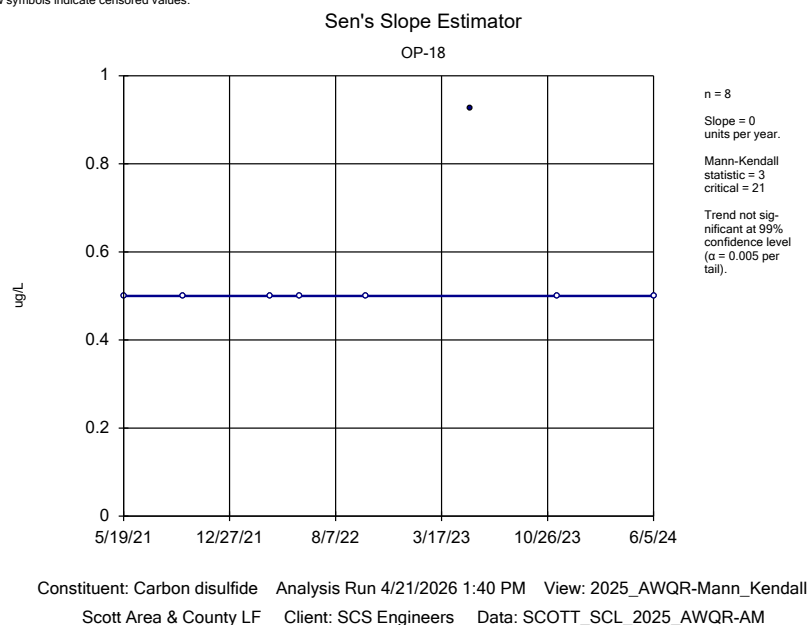
Constituent: Cadmium Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

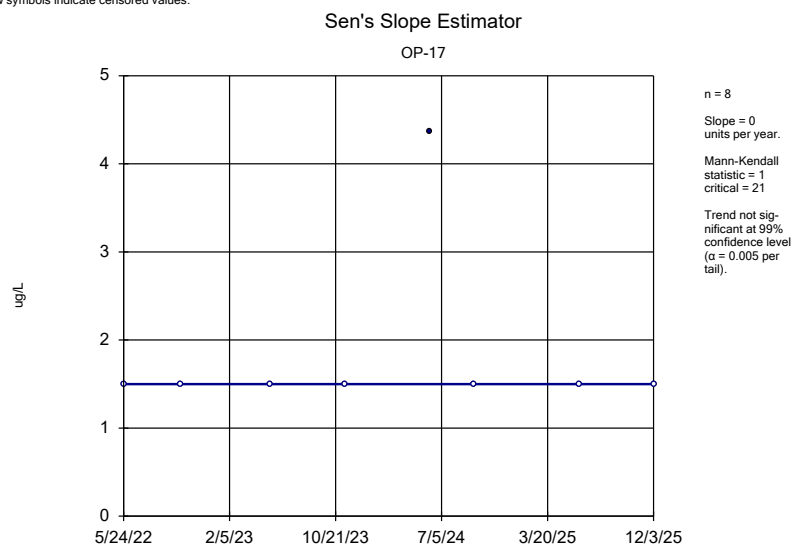


Constituent: Cadmium Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

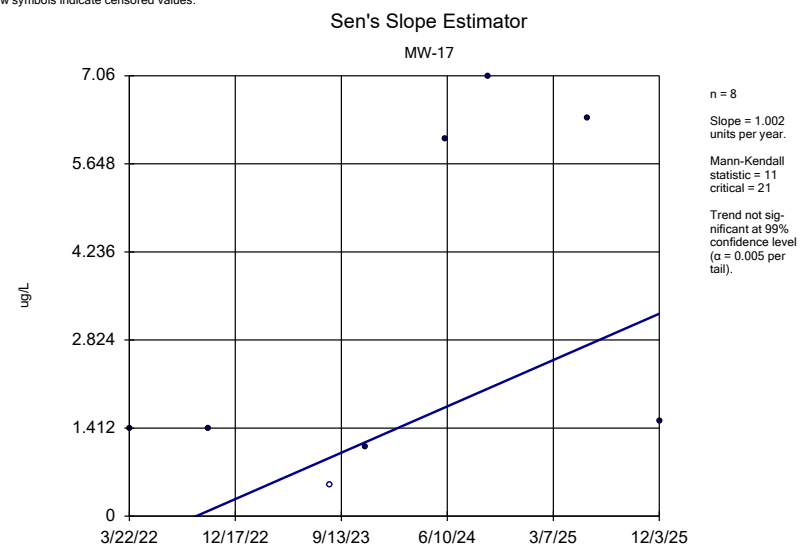


Constituent: Carbon disulfide Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

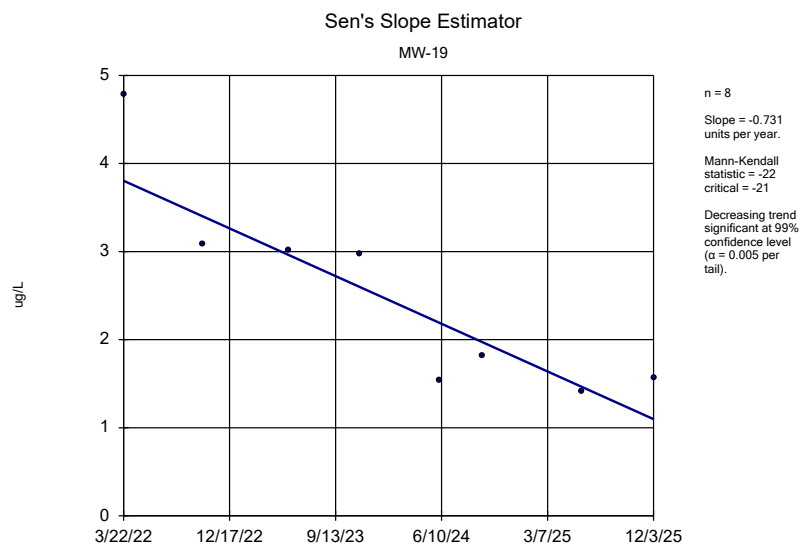




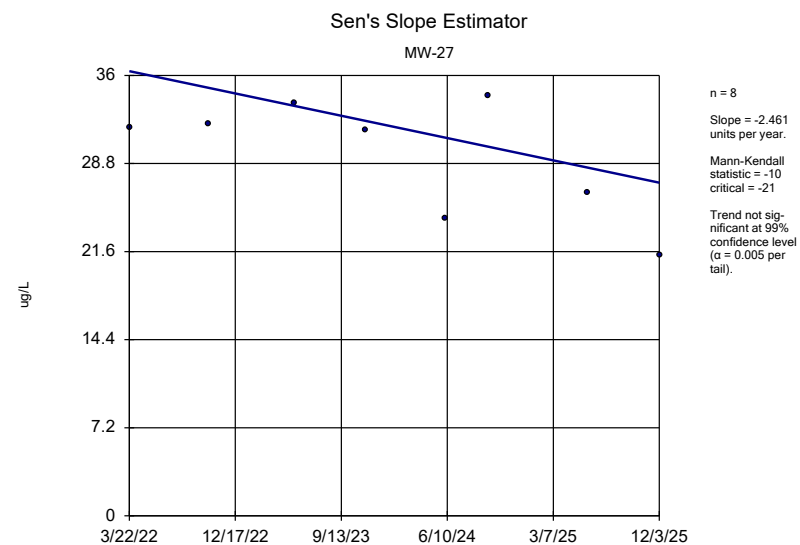
Constituent: Chloromethane Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
 Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



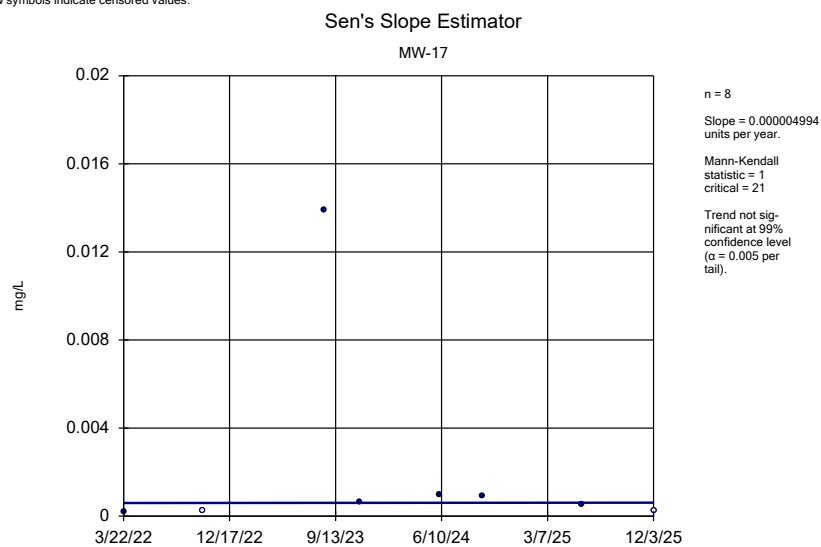
Constituent: cis-1,2-Dichloroethene Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
 Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



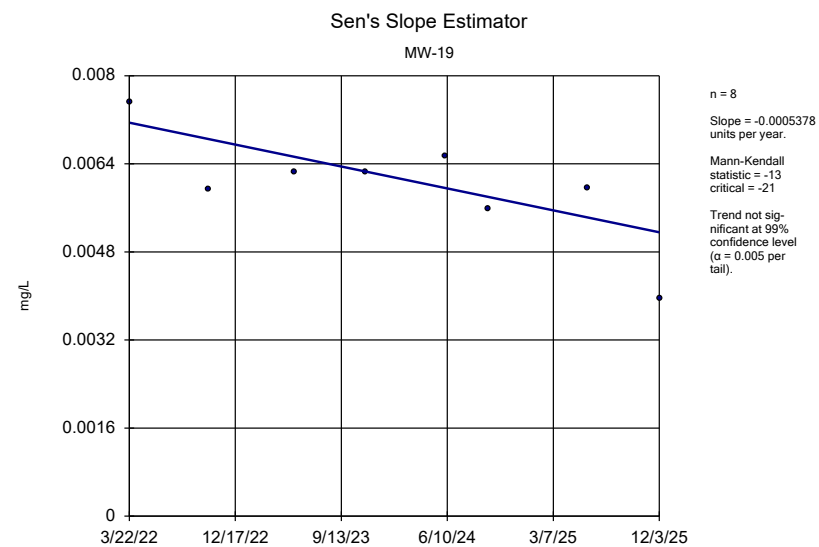
Constituent: cis-1,2-Dichloroethene Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
 Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



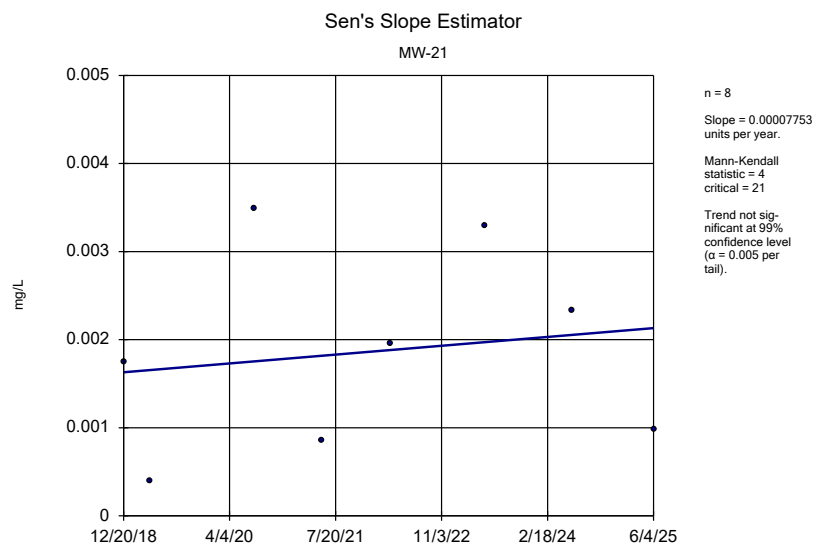
Constituent: cis-1,2-Dichloroethene Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
 Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



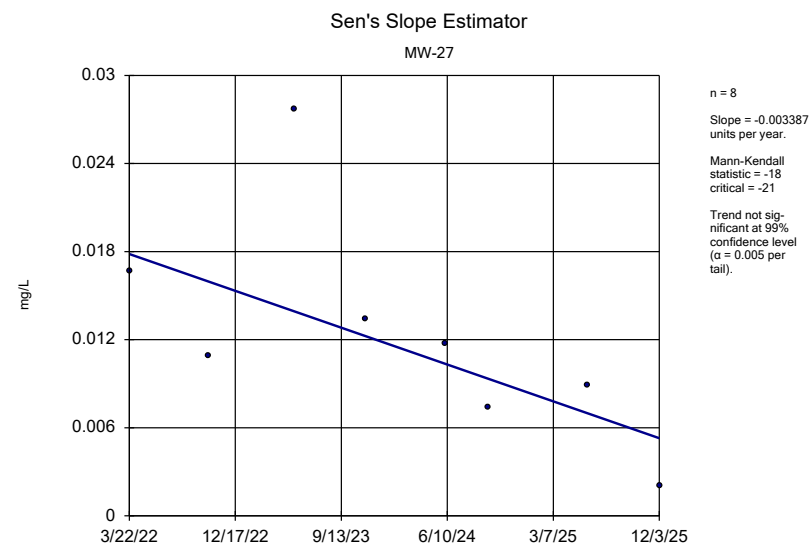
Constituent: Cobalt Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



Constituent: Cobalt Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



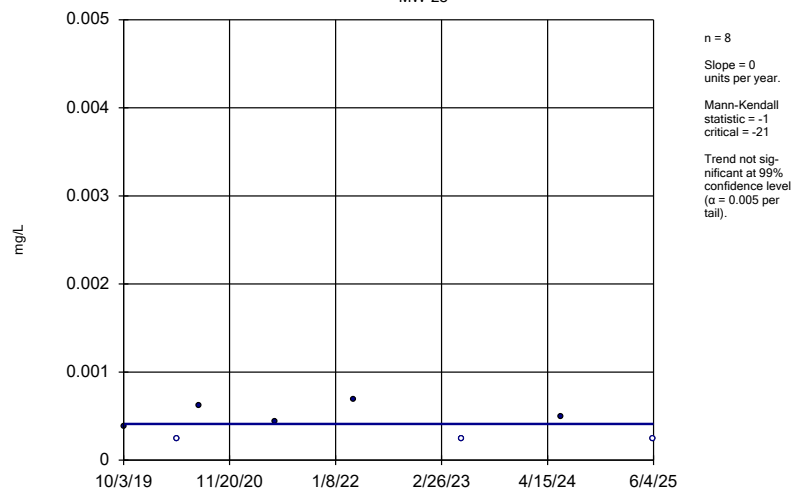
Constituent: Cobalt Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



Constituent: Cobalt Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Sen's Slope Estimator

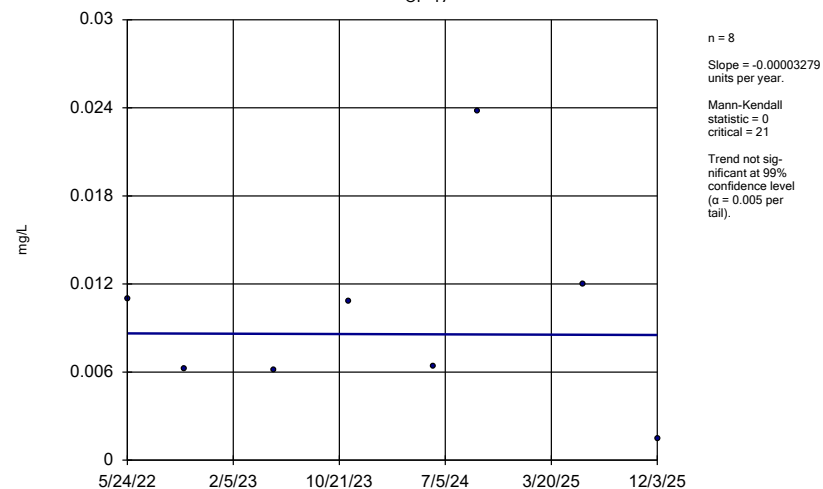
MW-28



Constituent: Cobalt Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Sen's Slope Estimator

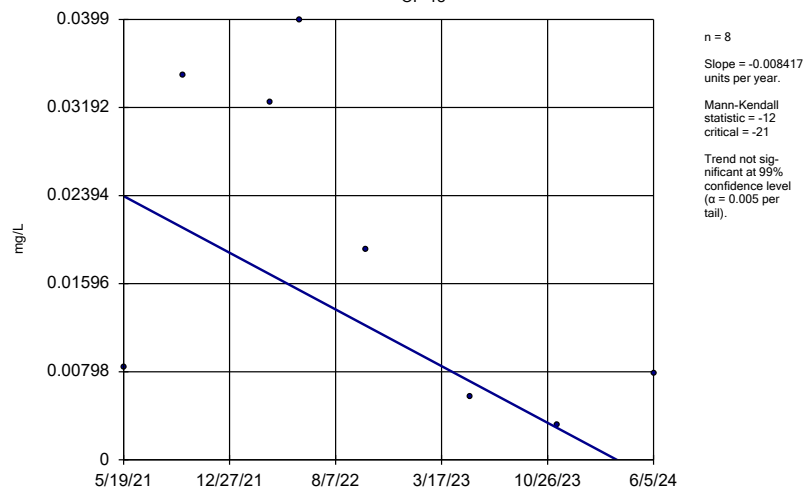
OP-17



Constituent: Cobalt Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Sen's Slope Estimator

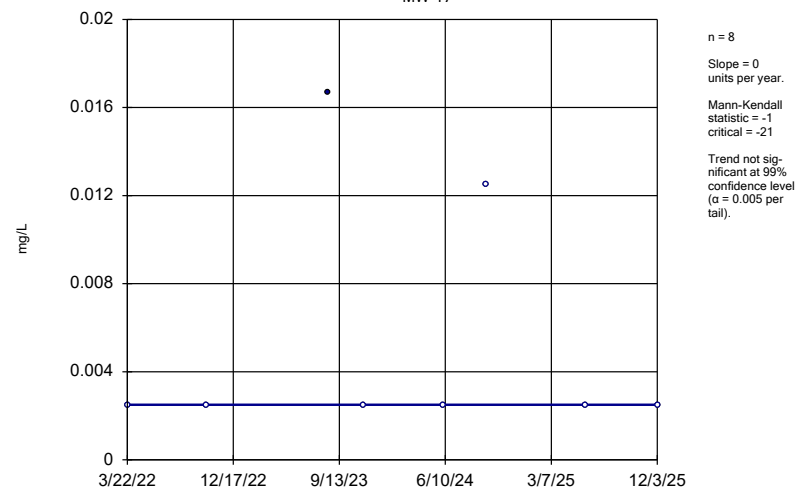
OP-18



Constituent: Cobalt Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Sen's Slope Estimator

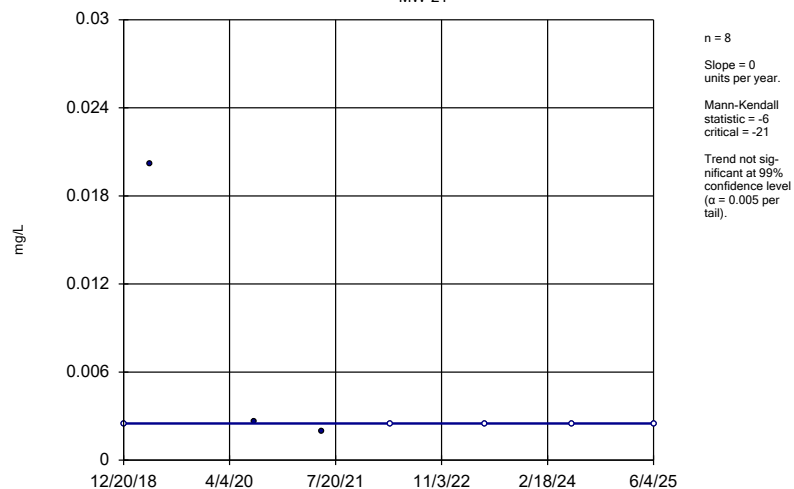
MW-17



Constituent: Copper Analysis Run 4/21/2026 1:40 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Sen's Slope Estimator

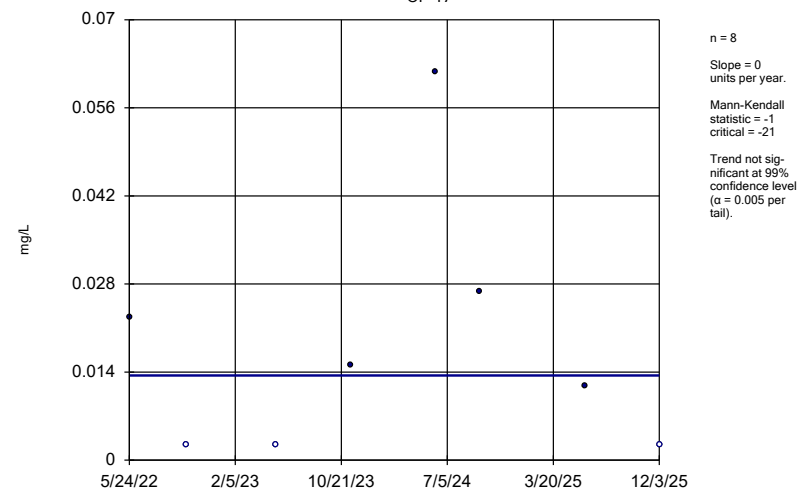
MW-21



Constituent: Copper Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Sen's Slope Estimator

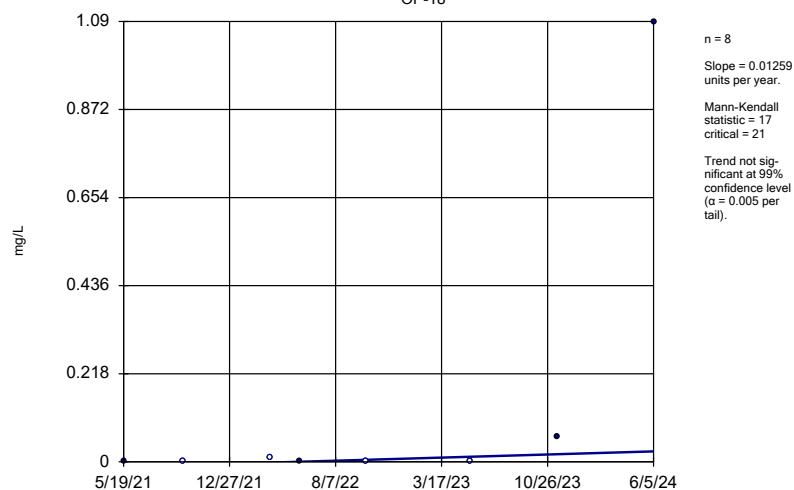
OP-17



Constituent: Copper Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Sen's Slope Estimator

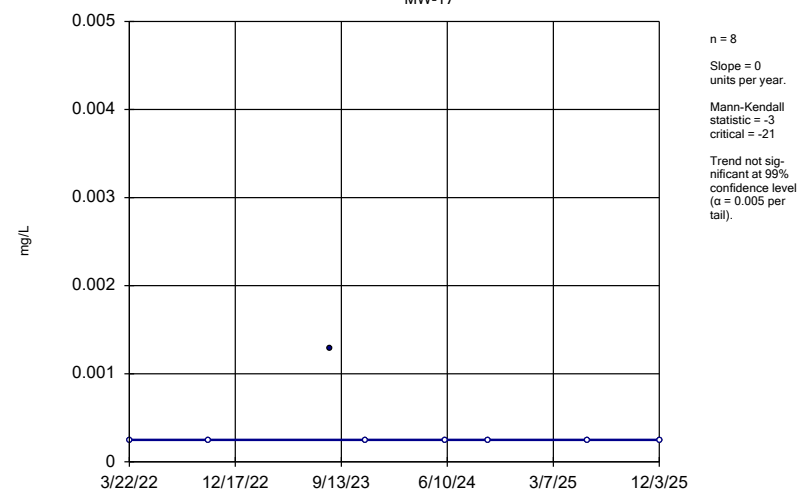
OP-18



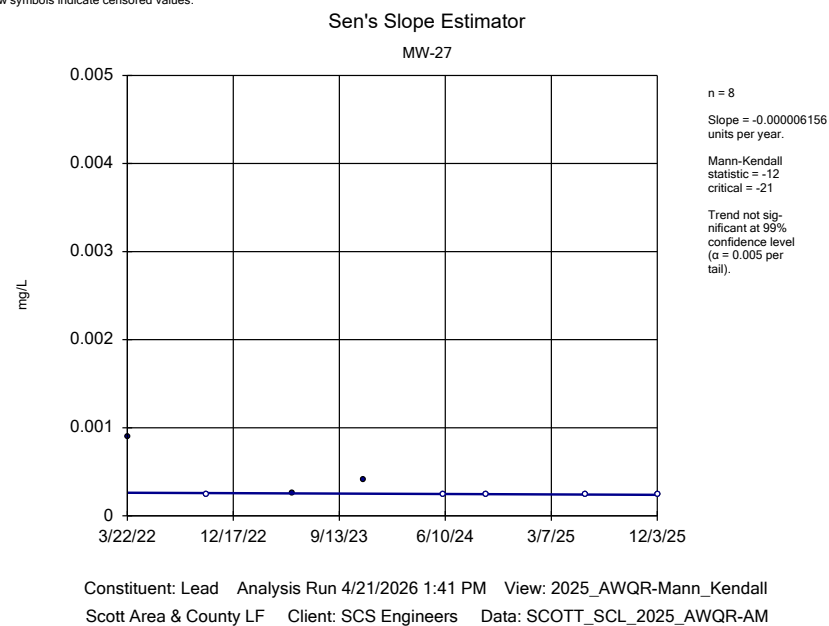
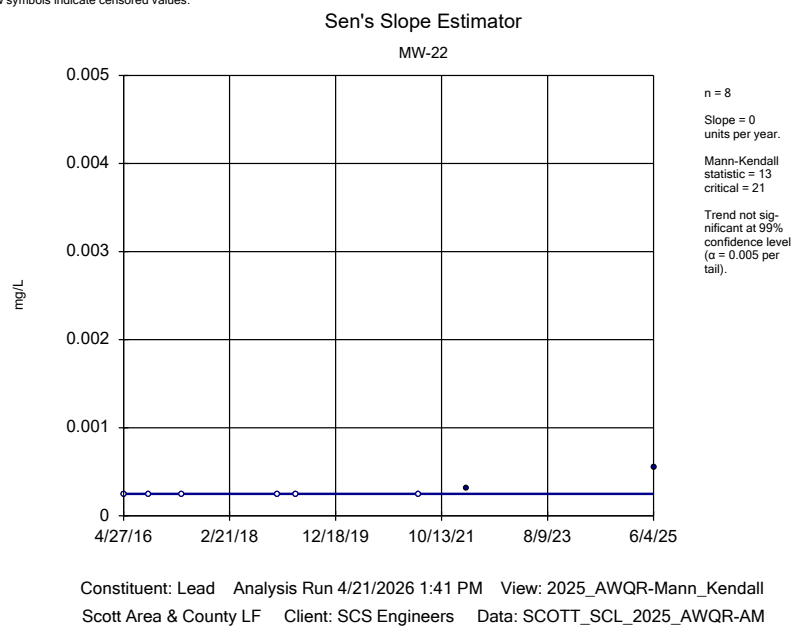
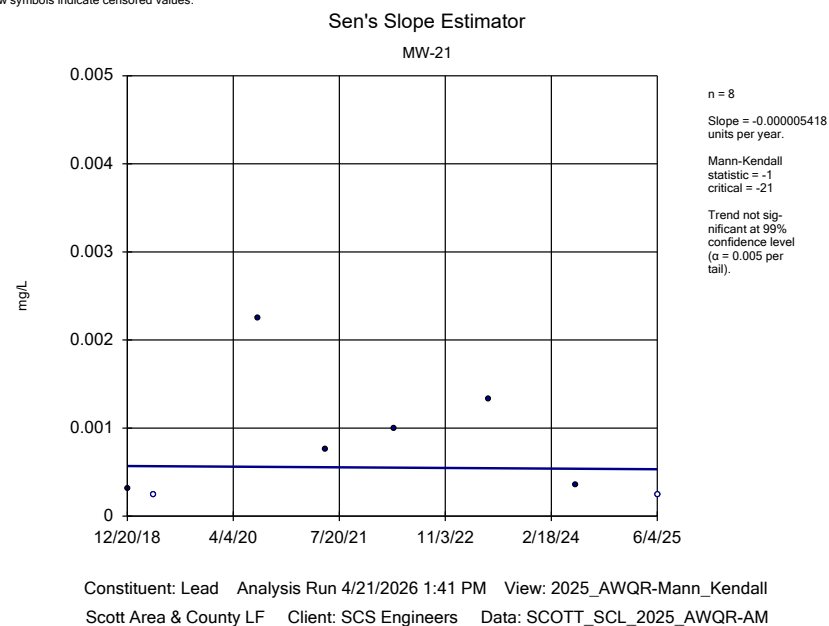
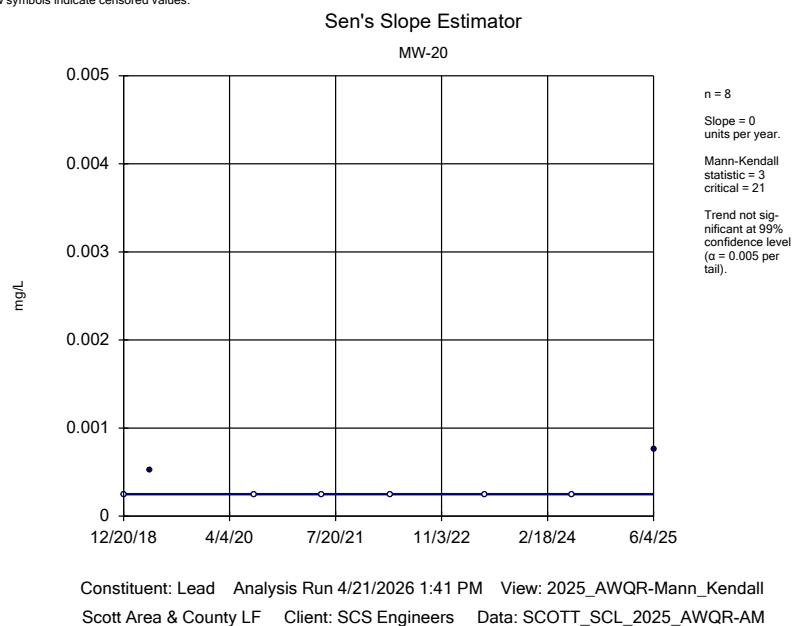
Constituent: Copper Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Sen's Slope Estimator

MW-17

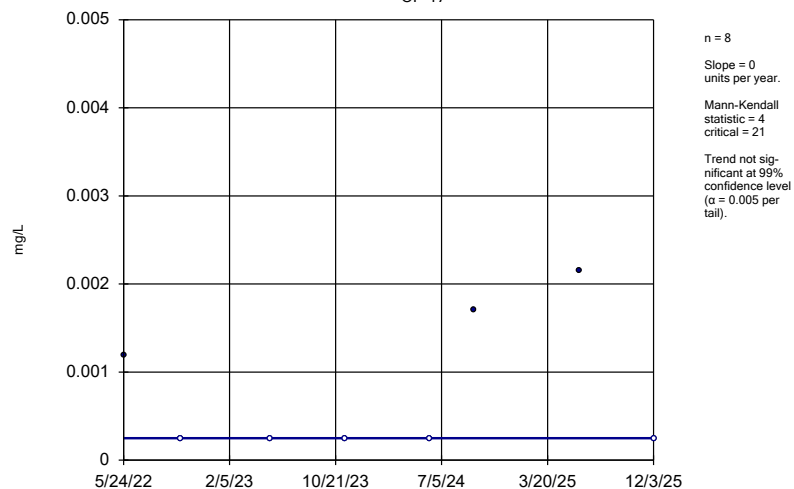


Constituent: Lead Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



Sen's Slope Estimator

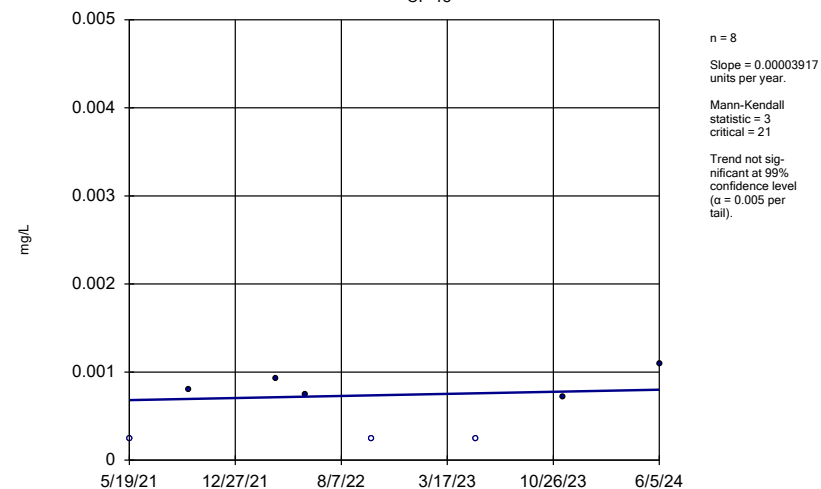
OP-17



Constituent: Lead Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Sen's Slope Estimator

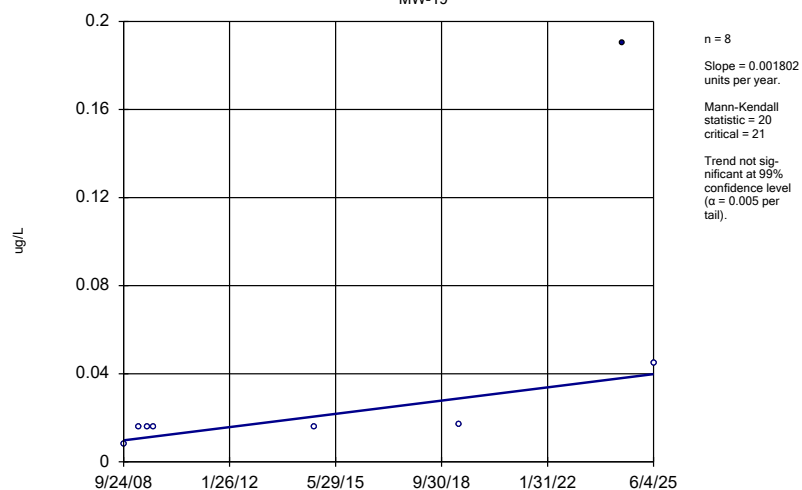
OP-18



Constituent: Lead Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Sen's Slope Estimator

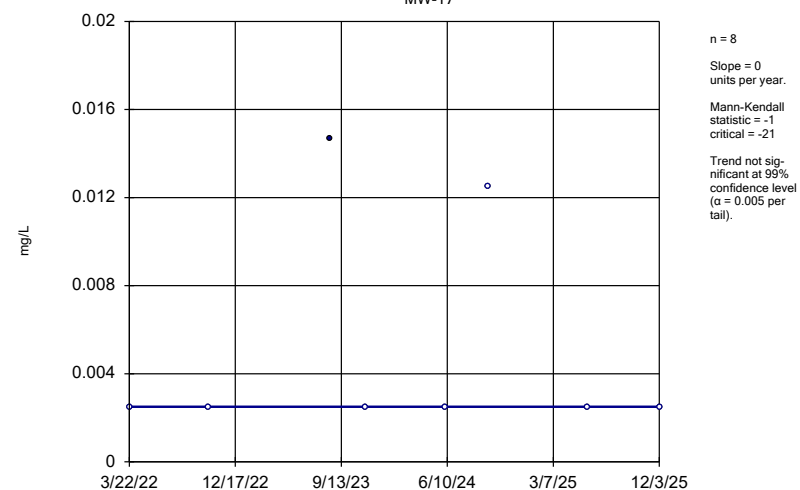
MW-19



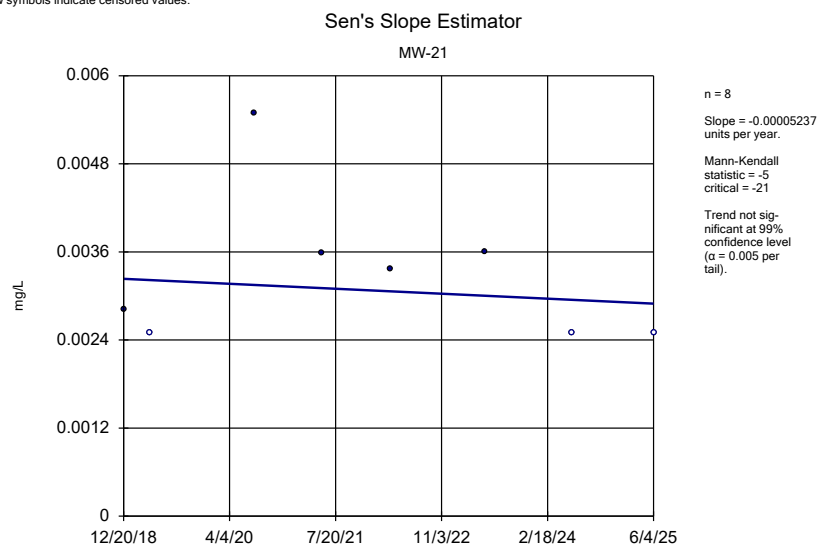
Constituent: Methoxychlor Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Sen's Slope Estimator

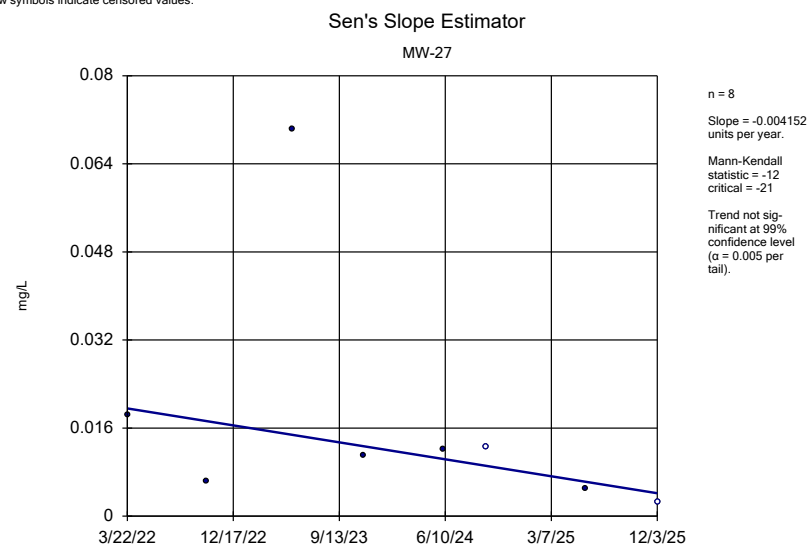
MW-17



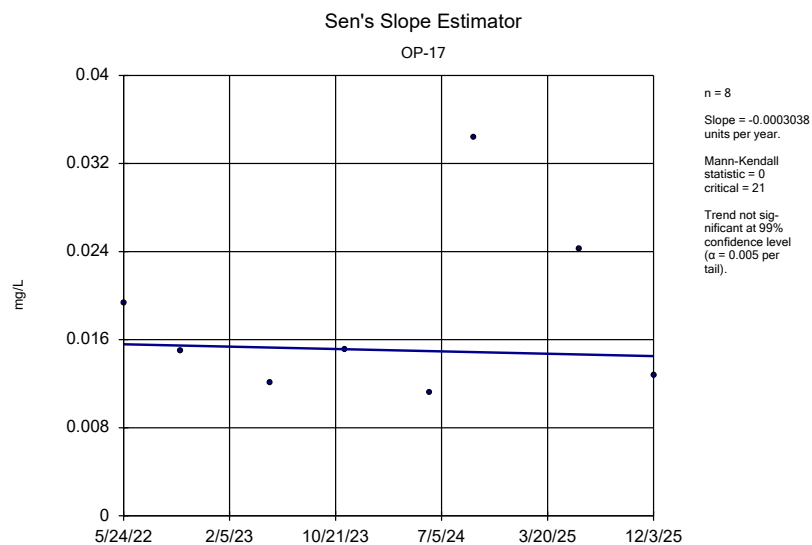
Constituent: Nickel Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



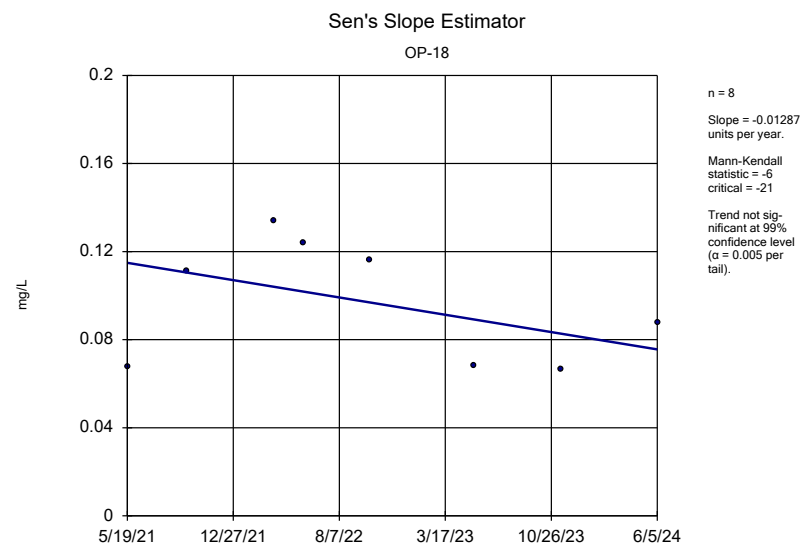
Constituent: Nickel Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



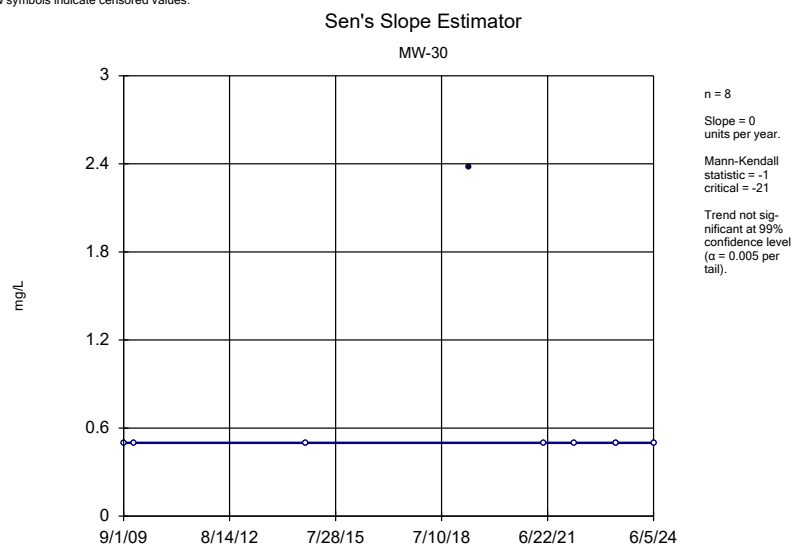
Constituent: Nickel Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



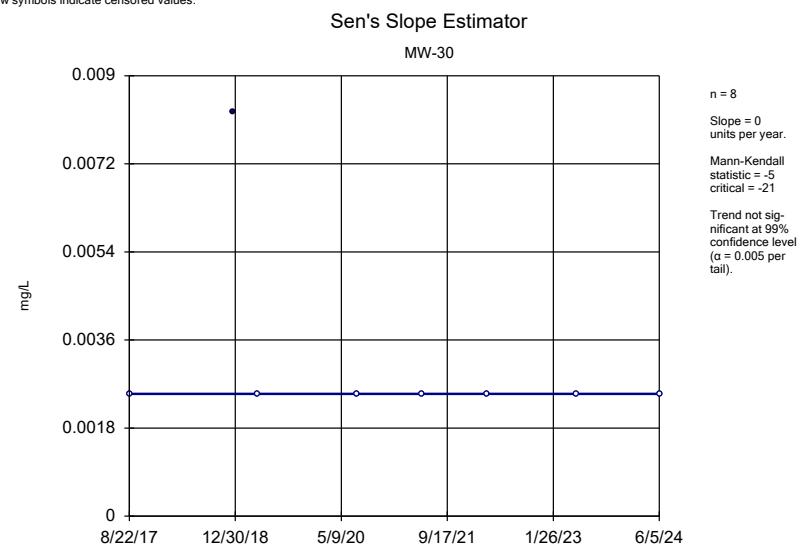
Constituent: Nickel Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



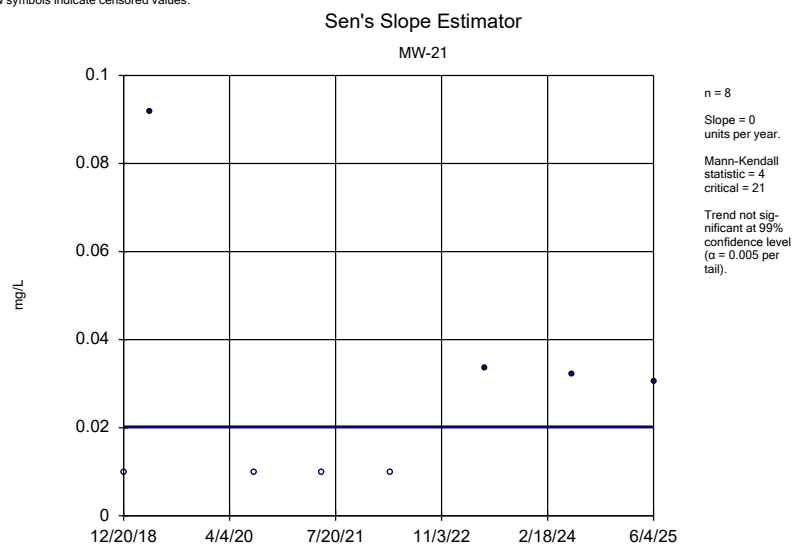
Constituent: Nickel Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



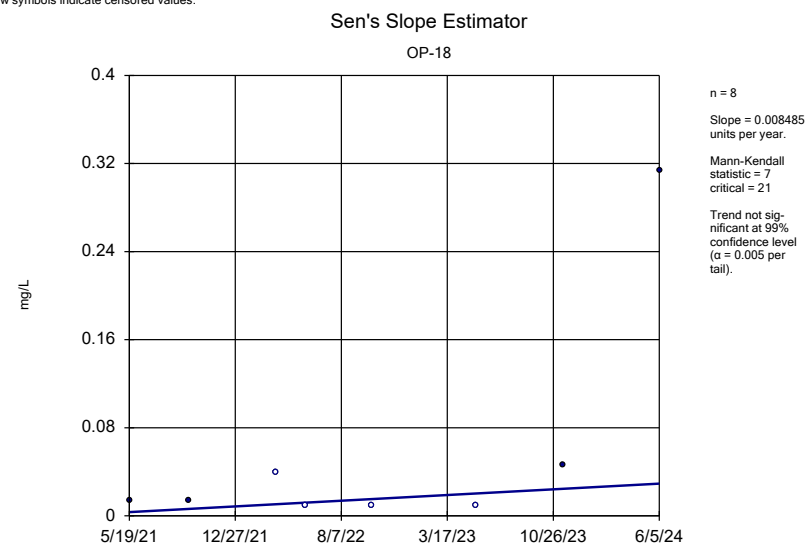
Constituent: Sulfide Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



Constituent: Tin Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



Constituent: Zinc Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



Constituent: Zinc Analysis Run 4/21/2026 1:41 PM View: 2025_AWQR-Mann_Kendall
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Confidence Interval Summary Table and Graphs

Confidence Interval

Scott Area & County LF

Client: SCS Engineers

Data: SCOTT_SCL_2025_AWQR-AM

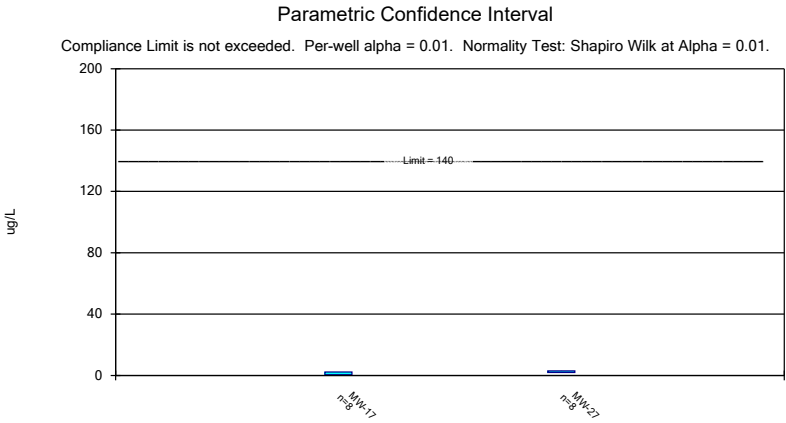
Printed 4/27/2026, 12:24 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
1,1-Dichloroethane (ug/L)	MW-17	2.278	0.4333	140	No	8	12.5	No	0.01	Param.
1,1-Dichloroethane (ug/L)	MW-27	2.984	1.906	140	No	8	0	No	0.01	Param.
1,2-Dichlorobenzene (ug/L)	OP-17	10.13	6.02	600	No	8	0	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	MW-19	1.014	0.1818	75	No	8	12.5	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	OP-17	12.98	8.172	75	No	8	0	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	OP-18	1.312	0.5112	75	No	8	25	No	0.01	Param.
Acetone (ug/L)	MW-27	13	5	6300	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MW-17	0.01905	0	0.02465	No	8	12.5	No	0.01	Param.
Arsenic (mg/L)	MW-19	0.1175	0	0.02465	No	8	0	No	0.01	Param.
Arsenic (mg/L)	MW-21	0.004303	0.001137	0.02465	No	8	0	No	0.01	Param.
Arsenic (mg/L)	MW-27	0.005001	0.002089	0.02465	No	8	0	No	0.01	Param.
Arsenic (mg/L)	OP-17	0.01938	0.005507	0.02465	No	8	0	No	0.01	Param.
Arsenic (mg/L)	OP-18	0.0768	0.0068	0.02465	No	8	0	No	0.004	NP (normality)
Barium (mg/L)	MW-17	0.4566	0.2603	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-19	0.1648	0.1184	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-20	0.3185	0.2669	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-21	0.2844	0.1791	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-22	0.04549	0.02571	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-27	0.1737	0.1356	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-28	0.2173	0.1724	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MW-30	0.1773	0.09247	2	No	8	0	No	0.01	Param.
Barium (mg/L)	OP-17	0.3812	0.3228	2	No	8	0	No	0.01	Param.
Barium (mg/L)	OP-18	0.2057	0.09234	2	No	8	0	No	0.01	Param.
Benzene (ug/L)	MW-19	0.784	0.249	5	No	8	50	No	0.004	NP (normality)
Benzene (ug/L)	MW-27	0.6745	0.1792	5	No	8	12.5	No	0.01	Param.
Benzene (ug/L)	OP-17	2.722	1.346	5	No	8	0	No	0.01	Param.
Benzene (ug/L)	OP-18	1.927	0.847	5	No	8	0	No	0.01	Param.
Beryllium (mg/L)	OP-18	0.00965	0.0005	0.004	No	8	75	No	0.004	NP (NDs)
Cadmium (mg/L)	MW-17	0.0005	0.00005	0.005	No	8	87.5	No	0.004	NP (NDs)
Cadmium (mg/L)	MW-27	0.0005	0.00005	0.005	No	8	75	No	0.004	NP (NDs)
Cadmium (mg/L)	OP-17	0.00056	0.00005	0.005	No	8	62.5	No	0.004	NP (NDs)
Carbon disulfide (ug/L)	MW-21	0.87	0.166	700	No	8	50	No	0.01	Param.
Carbon disulfide (ug/L)	OP-18	0.925	0.5	700	No	8	87.5	No	0.004	NP (NDs)
Chlorobenzene (ug/L)	MW-27	2.072	1.441	100	No	8	0	No	0.01	Param.
Chlorobenzene (ug/L)	OP-17	40.61	28.44	100	No	8	0	No	0.01	Param.
Chlorobenzene (ug/L)	OP-18	32.81	17.1	100	No	8	0	No	0.01	Param.
Chloromethane (ug/L)	OP-17	4.36	1.5	3	No	8	87.5	No	0.004	NP (NDs)
cis-1,2-Dichloroethene (ug/L)	MW-17	6.124	0.2319	70	No	8	12.5	No	0.01	Param.
cis-1,2-Dichloroethene (ug/L)	MW-27	34.46	24.34	70	No	8	0	No	0.01	Param.
Cobalt (mg/L)	MW-17	0.0139	0.000213	0.0102	No	8	25	No	0.004	NP (normality)
Cobalt (mg/L)	MW-19	0.007071	0.004934	0.0102	No	8	0	No	0.01	Param.
Cobalt (mg/L)	MW-21	0.003073	0.0006876	0.0102	No	8	0	No	0.01	Param.
Cobalt (mg/L)	MW-27	0.02036	0.004328	0.0102	No	8	0	No	0.01	Param.
Cobalt (mg/L)	MW-28	0.0005957	0.0003707	0.0102	No	8	37.5	No	0.01	Param.
Cobalt (mg/L)	OP-17	0.01679	0.002662	0.0102	No	8	0	No	0.01	Param.
Cobalt (mg/L)	OP-18	0.03458	0.003235	0.0102	No	8	0	No	0.01	Param.
Copper (mg/L)	MW-17	0.0167	0.0025	1.3	No	8	87.5	No	0.004	NP (NDs)
Copper (mg/L)	MW-21	0.0202	0.001975	1.3	No	8	62.5	No	0.004	NP (NDs)
Copper (mg/L)	OP-17	0.03812	0.0001846	1.3	No	8	37.5	No	0.01	Param.
Copper (mg/L)	OP-18	1.09	0.00148	1.3	No	8	50	No	0.004	NP (normality)

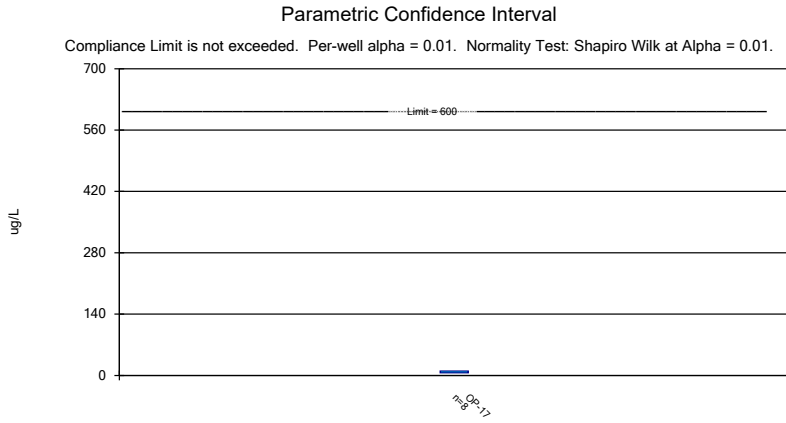
Confidence Interval

Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM Printed 4/27/2026, 12:24 PM

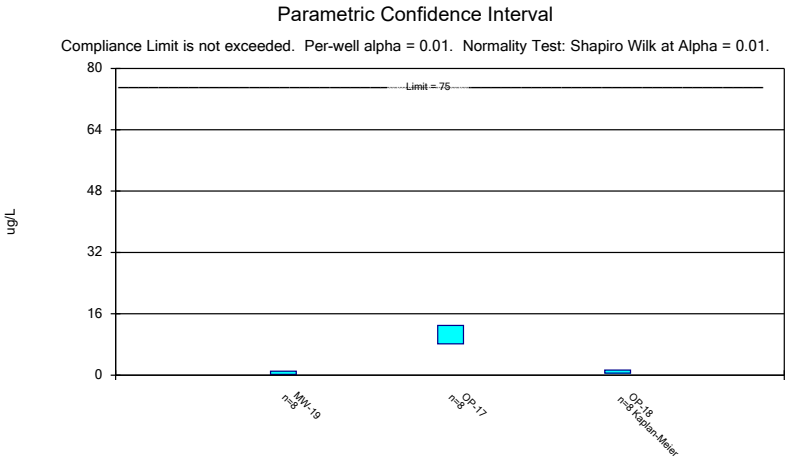
<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Lead (mg/L)	MW-17	0.00129	0.00025	0.015	No	8	87.5	No	0.004	NP (NDs)
Lead (mg/L)	MW-20	0.00076	0.00025	0.015	No	8	75	No	0.004	NP (NDs)
Lead (mg/L)	MW-21	0.001512	0.0001546	0.015	No	8	25	No	0.01	Param.
Lead (mg/L)	MW-22	0.000553	0.00025	0.015	No	8	75	No	0.004	NP (NDs)
Lead (mg/L)	MW-27	0.000896	0.00025	0.015	No	8	62.5	No	0.004	NP (NDs)
Lead (mg/L)	OP-17	0.00215	0.00025	0.015	No	8	62.5	No	0.004	NP (NDs)
Lead (mg/L)	OP-18	0.0009421	0.0005051	0.015	No	8	37.5	No	0.01	Param.
Methoxychlor (ug/L)	MW-19	0.19	0.008	40	No	8	87.5	No	0.004	NP (NDs)
Nickel (mg/L)	MW-17	0.0147	0.0025	0.1	No	8	87.5	No	0.004	NP (NDs)
Nickel (mg/L)	MW-21	0.004426	0.00279	0.1	No	8	37.5	No	0.01	Param.
Nickel (mg/L)	MW-27	0.0702	0.0025	0.1	No	8	25	No	0.004	NP (normality)
Nickel (mg/L)	OP-17	0.02636	0.009648	0.1	No	8	0	No	0.01	Param.
Nickel (mg/L)	OP-18	0.1262	0.06759	0.1	No	8	0	No	0.01	Param.
Sulfide (mg/L)	MW-30	2.38	0.5	1	No	8	87.5	No	0.004	NP (NDs)
Tin (mg/L)	MW-30	0.00825	0.0025	4.2	No	8	87.5	No	0.004	NP (NDs)
Zinc (mg/L)	MW-21	0.0917	0.01	2	No	8	50	No	0.004	NP (normality)
Zinc (mg/L)	OP-18	0.314	0.01	2	No	8	50	No	0.004	NP (normality)



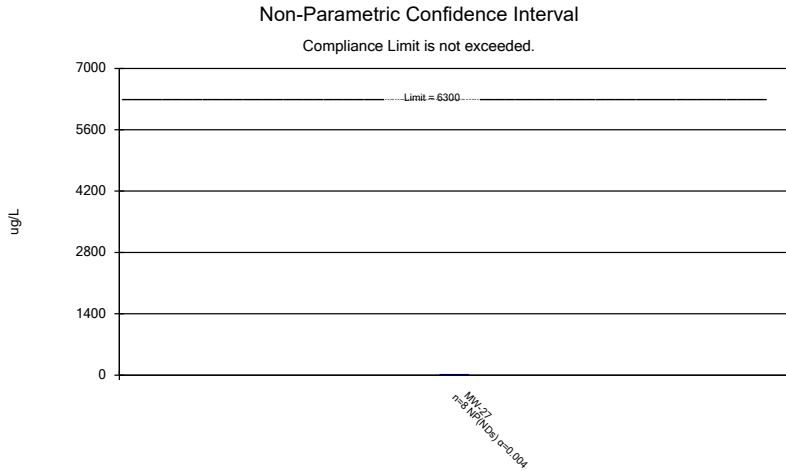
Constituent: 1,1-Dichloroethane Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interv
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



Constituent: 1,2-Dichlorobenzene Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Inte
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



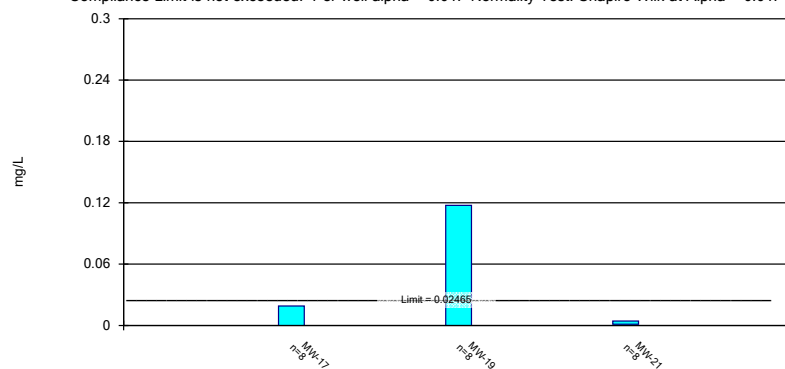
Constituent: 1,4-Dichlorobenzene Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Inte
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



Constituent: Acetone Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric Confidence Interval

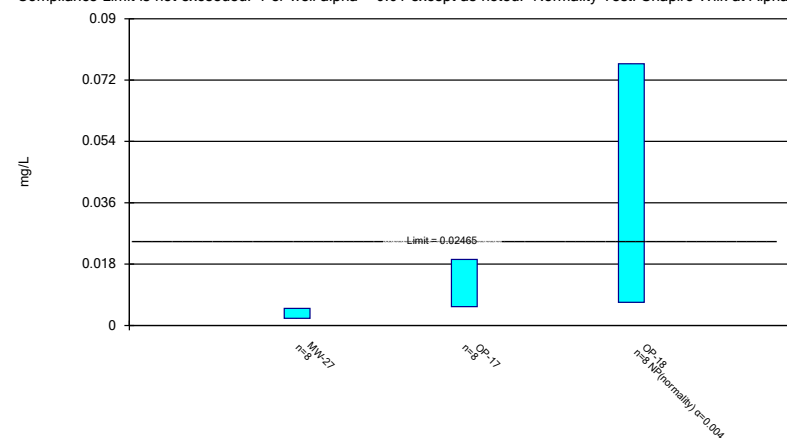
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Arsenic Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric and Non-Parametric (NP) Confidence Interval

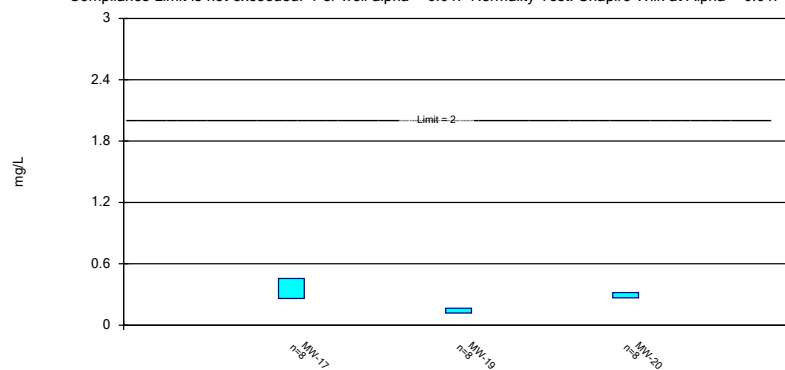
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Arsenic Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric Confidence Interval

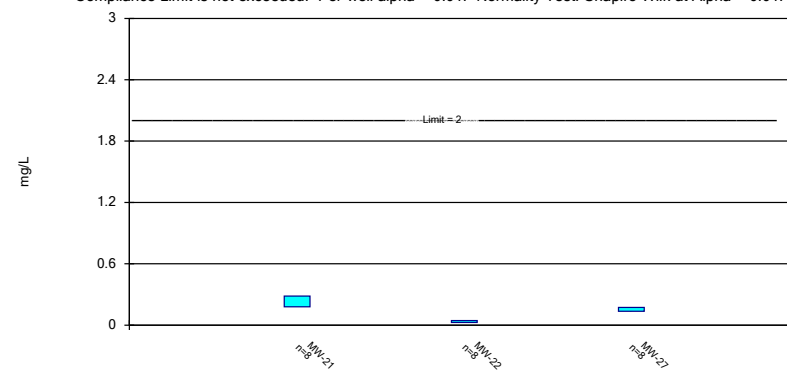
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Barium Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

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 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric Confidence Interval

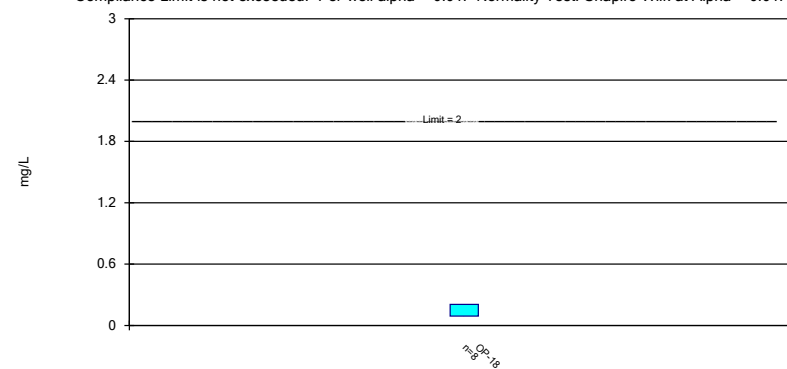
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Barium Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric Confidence Interval

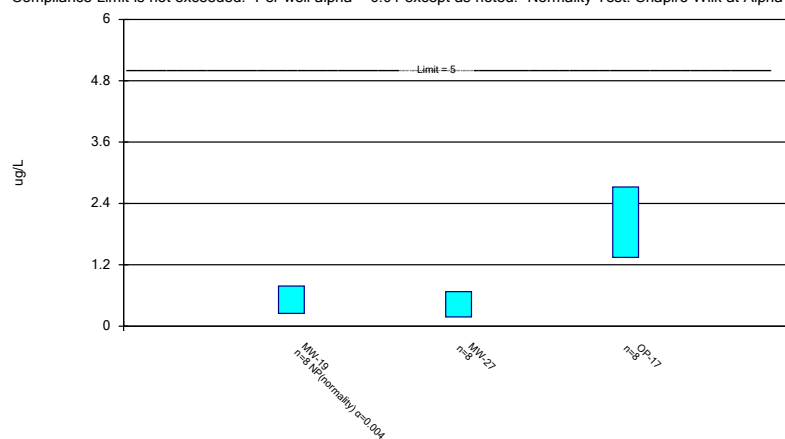
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Barium Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric and Non-Parametric (NP) Confidence Interval

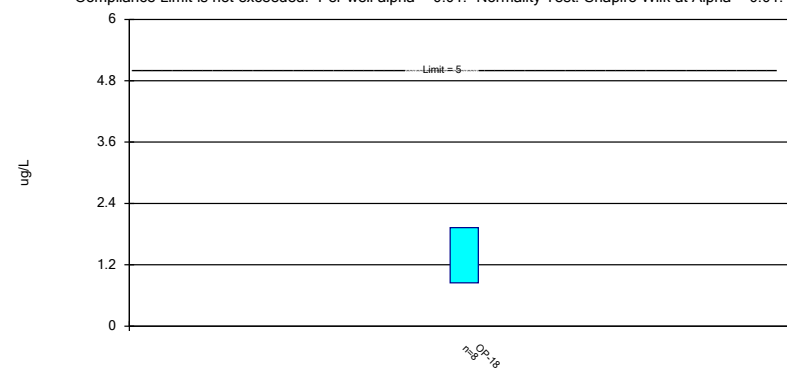
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



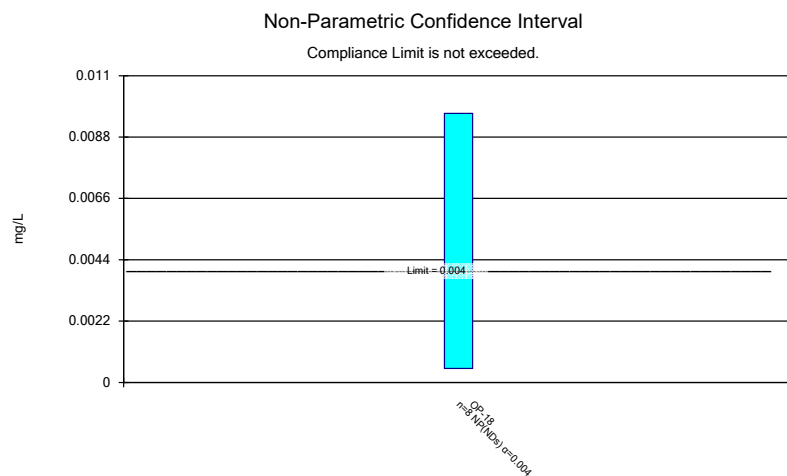
Constituent: Benzene Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric Confidence Interval

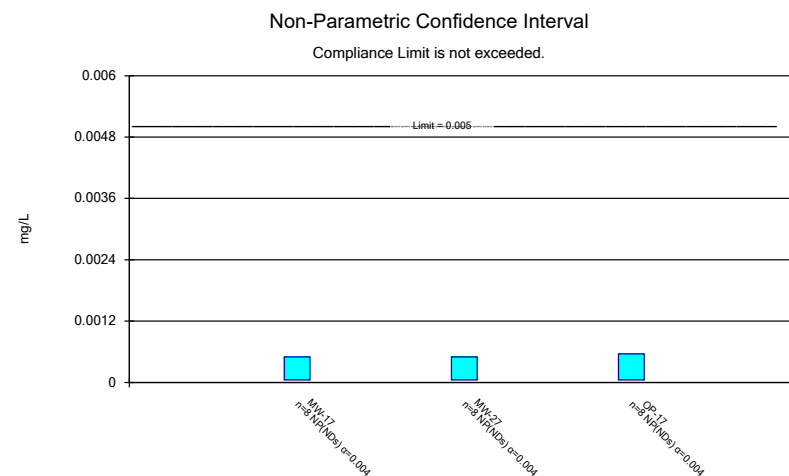
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



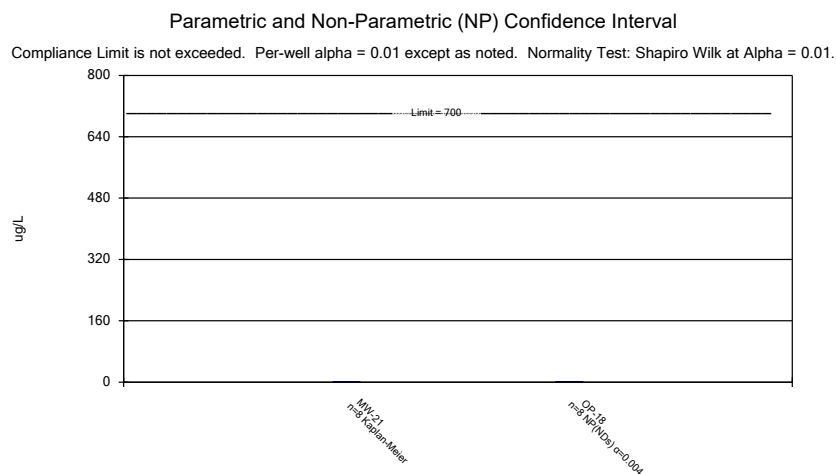
Constituent: Benzene Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



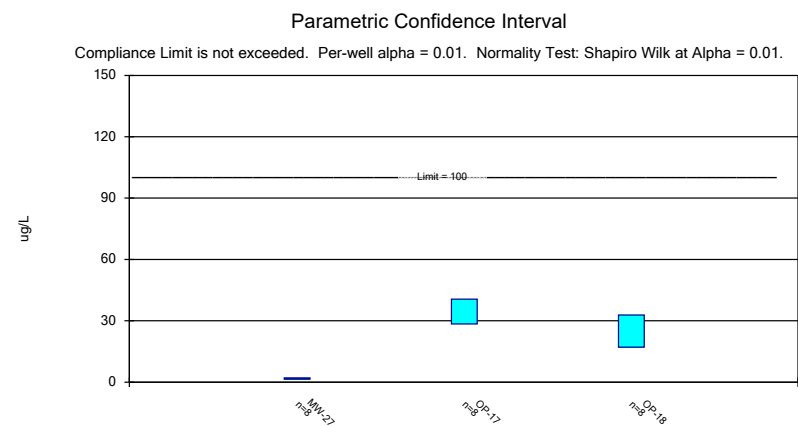
Constituent: Beryllium Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



Constituent: Cadmium Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



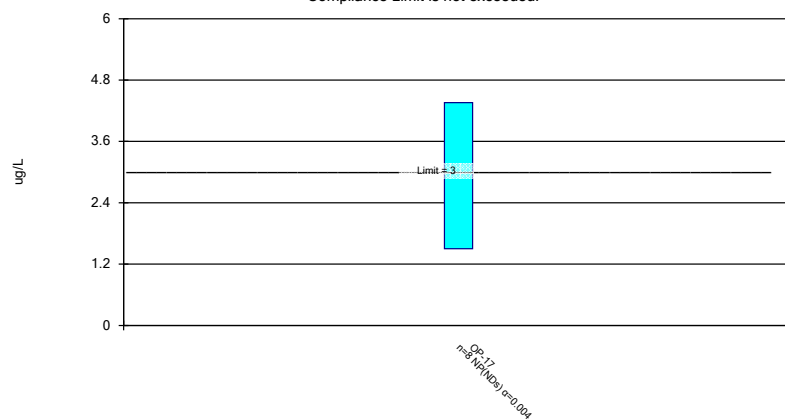
Constituent: Carbon disulfide Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM



Constituent: Chlorobenzene Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Non-Parametric Confidence Interval

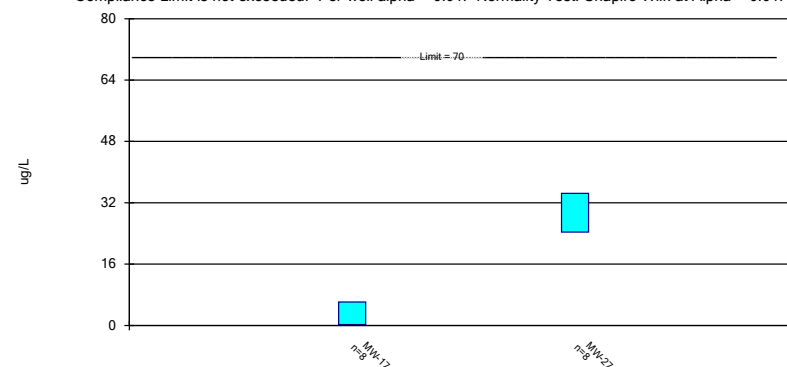
Compliance Limit is not exceeded.



Constituent: Chloromethane Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric Confidence Interval

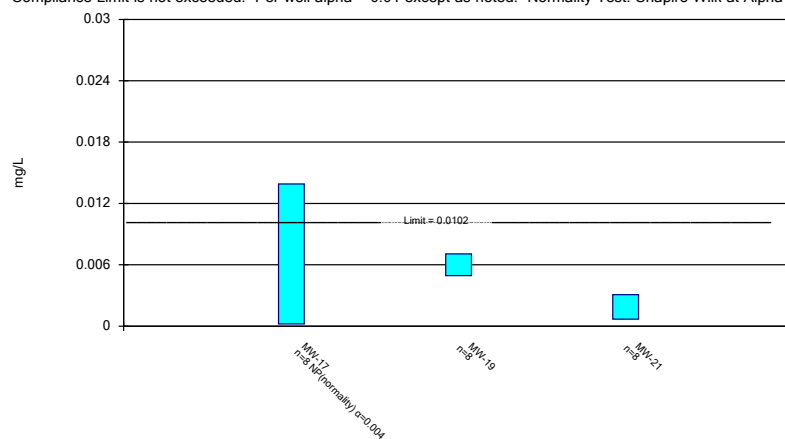
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: cis-1,2-Dichloroethene Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Int
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric and Non-Parametric (NP) Confidence Interval

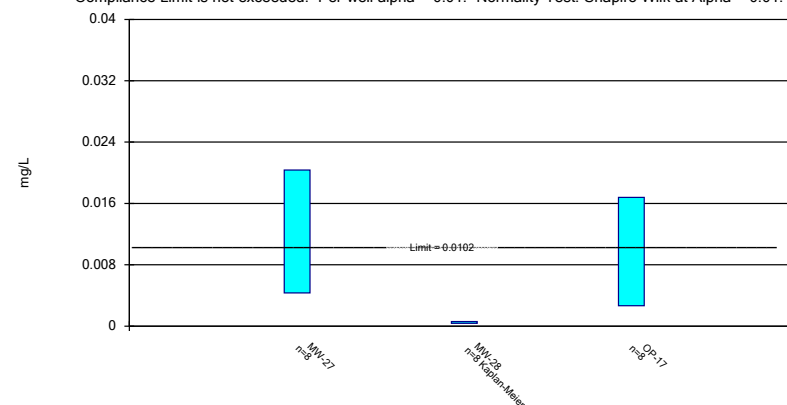
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Cobalt Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric Confidence Interval

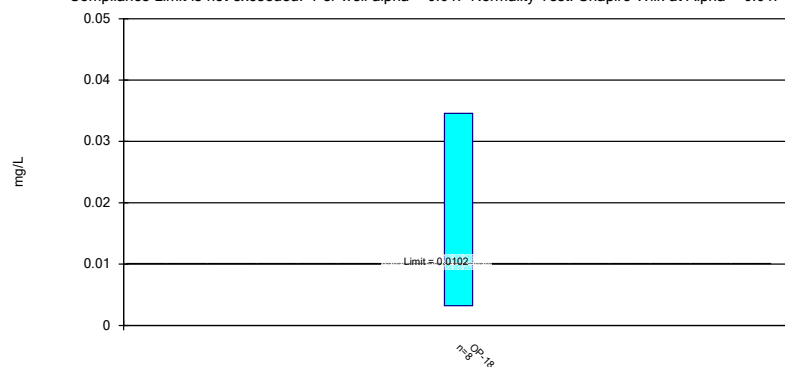
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Cobalt Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric Confidence Interval

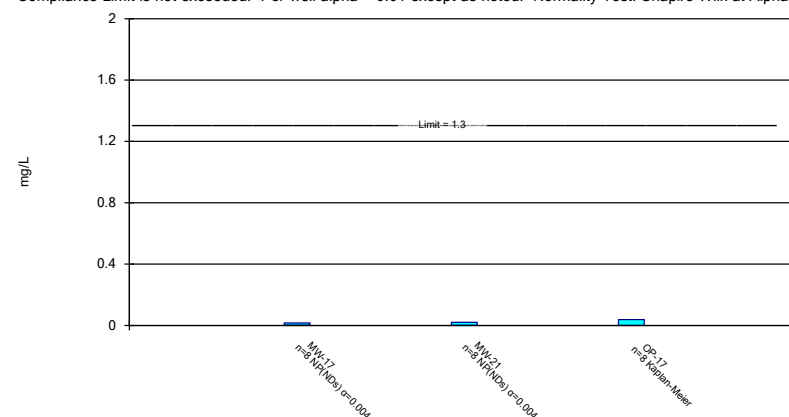
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Cobalt Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric and Non-Parametric (NP) Confidence Interval

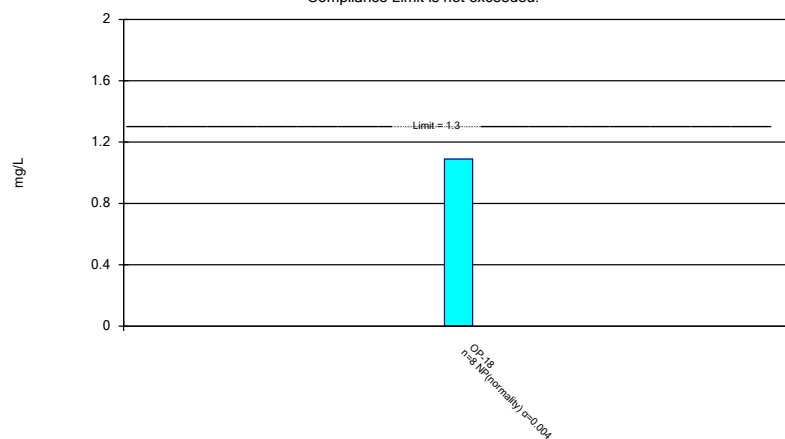
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Copper Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Non-Parametric Confidence Interval

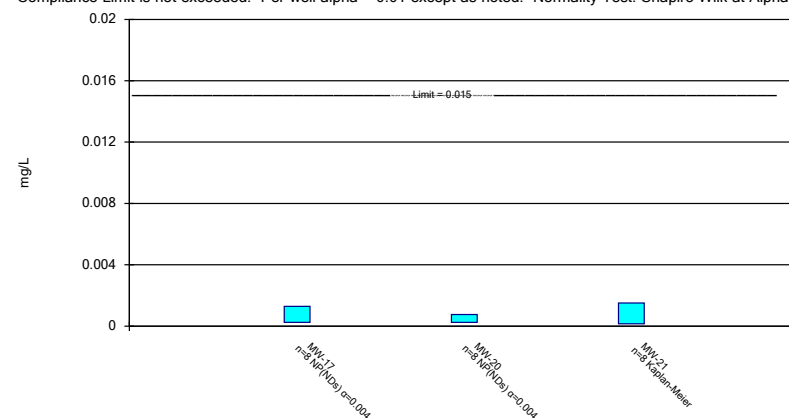
Compliance Limit is not exceeded.



Constituent: Copper Analysis Run 4/27/2026 12:22 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric and Non-Parametric (NP) Confidence Interval

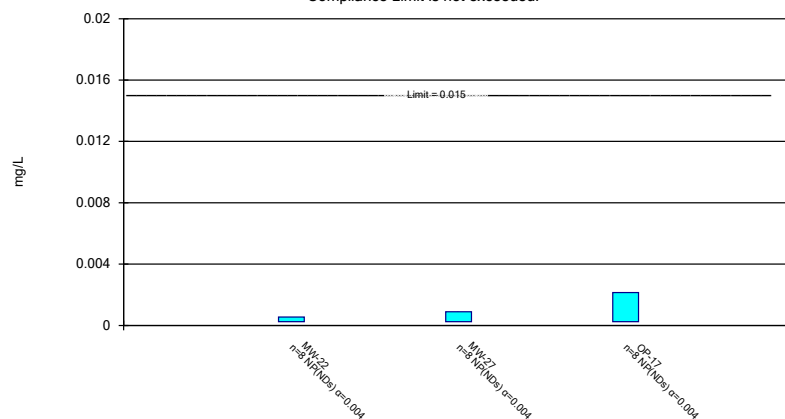
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Lead Analysis Run 4/27/2026 12:23 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Non-Parametric Confidence Interval

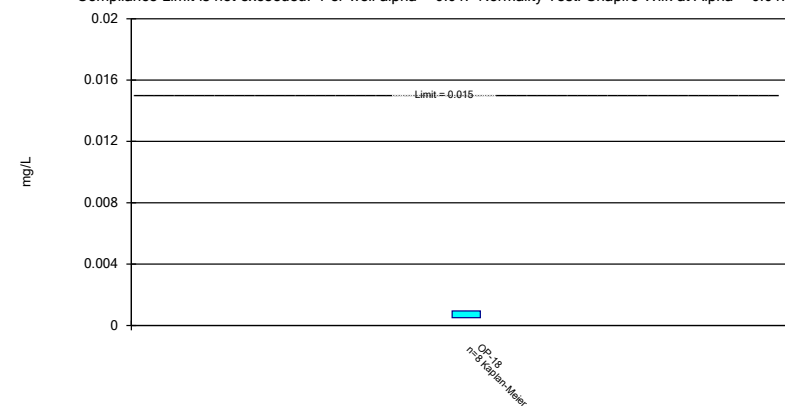
Compliance Limit is not exceeded.



Constituent: Lead Analysis Run 4/27/2026 12:23 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric Confidence Interval

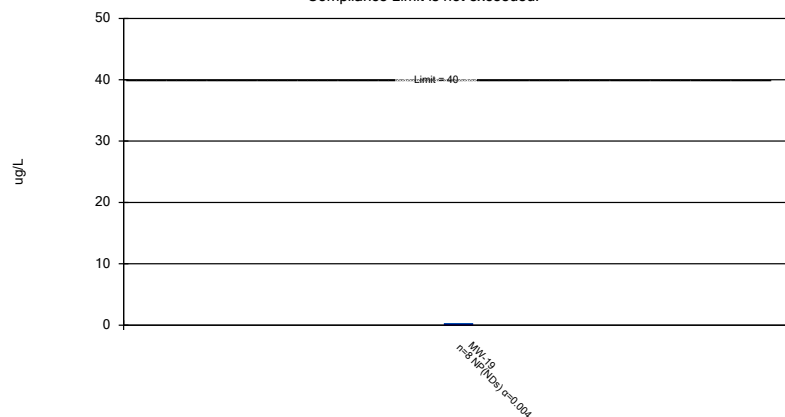
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Lead Analysis Run 4/27/2026 12:23 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Non-Parametric Confidence Interval

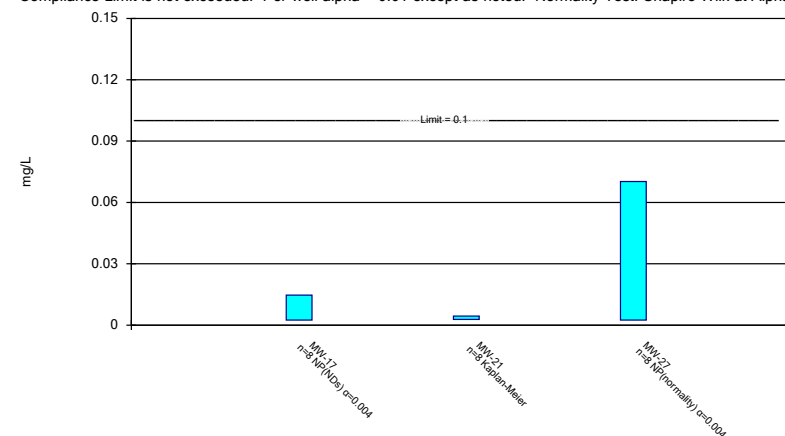
Compliance Limit is not exceeded.



Constituent: Methoxychlor Analysis Run 4/27/2026 12:23 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric and Non-Parametric (NP) Confidence Interval

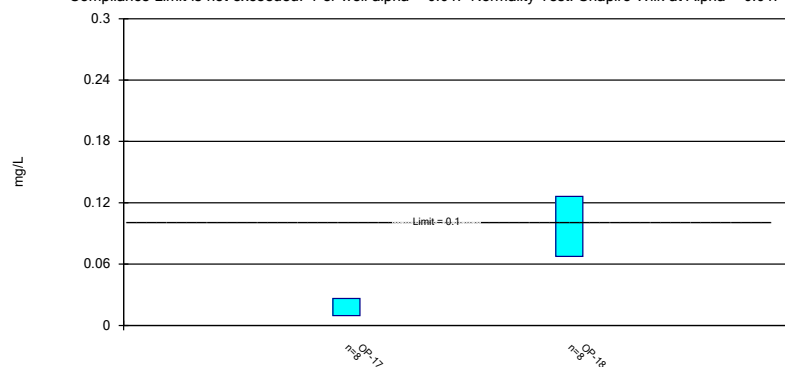
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Nickel Analysis Run 4/27/2026 12:23 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Parametric Confidence Interval

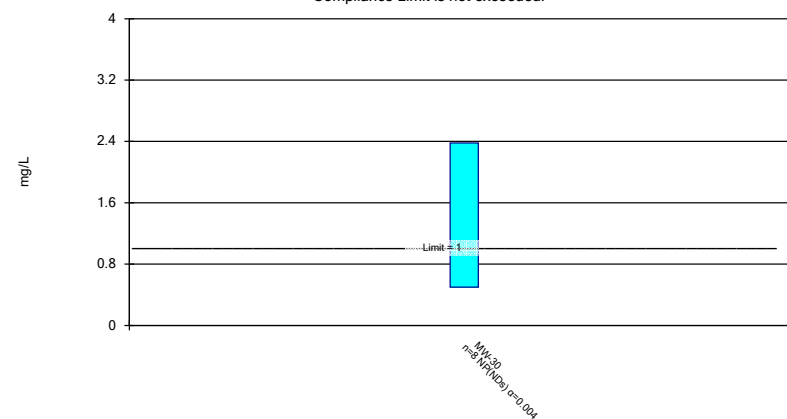
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk at Alpha = 0.01.



Constituent: Nickel Analysis Run 4/27/2026 12:23 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Non-Parametric Confidence Interval

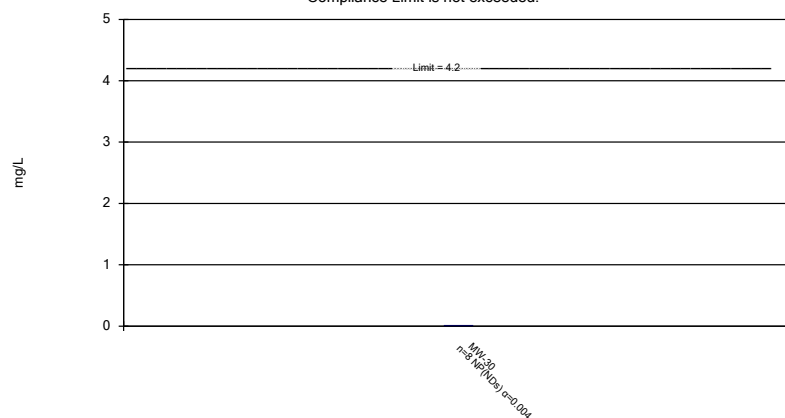
Compliance Limit is not exceeded.



Constituent: Sulfide Analysis Run 4/27/2026 12:23 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Non-Parametric Confidence Interval

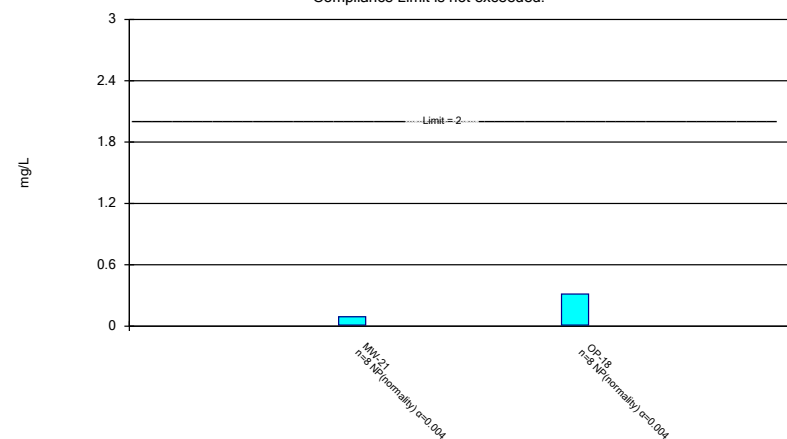
Compliance Limit is not exceeded.



Constituent: Tin Analysis Run 4/27/2026 12:23 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



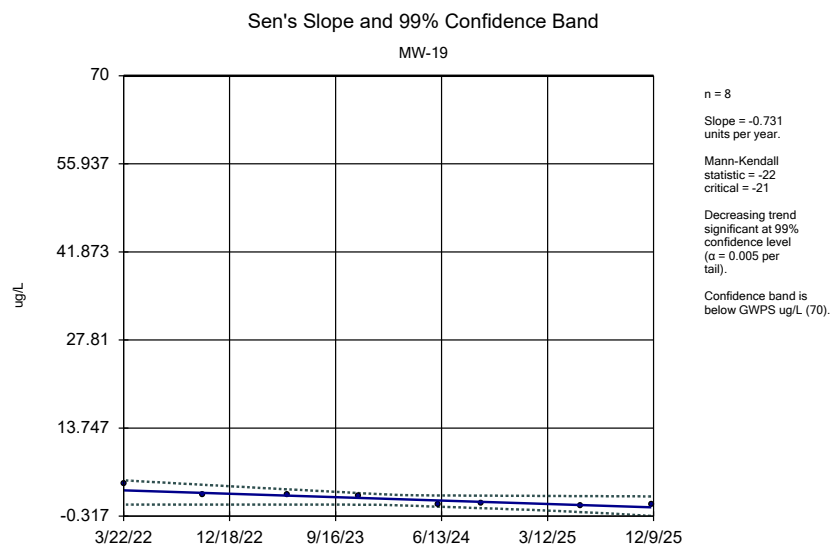
Constituent: Zinc Analysis Run 4/27/2026 12:23 PM View: 2025_AWQR-Confidence_Interval
Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Theil-Sen Confidence Bands Summary Table and Graphs

Trend Test/Theil Sen

Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM Printed 4/21/2026, 2:05 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Alpha</u>	<u>Method</u>
cis-1,2-Dichloroethene (ug/L)	MW-19	-0.731	-22	-21	Yes	8	0	0.01	NP



Constituent: cis-1,2-Dichloroethene Analysis Run 4/21/2026 2:04 PM View: 2025_AWQR-Theil_Sen
 Scott Area & County LF Client: SCS Engineers Data: SCOTT_SCL_2025_AWQR-AM

Appendix E
2025 Landfill Gas Annual Report

Gas Monitoring Summary
2025 Annual Water Quality Report
Scott County Landfill
Permit No. 82-SDP-03-77C

Monitoring Points			Methane Results (% LEL)							
Name	Type	Description	1/28/2025	S (Y/N)	6/3/2025	S (Y/N)	9/24/2025	S (Y/N)	12/5/2025	S (Y/N)
GP-5R	Subsurface	Gas Probe	0%	N	0%	N	0%	N	0%	N
GP-6	Subsurface	Gas Probe	0%	N	0%	N	0%	N	0%	N
GP-7	Subsurface	Gas Probe	0%	N	0%	N	0%	N	0%	N
GP-8R	Subsurface	Gas Probe	1%	N	39%	N	57%	N	13%	N
GP-9	Subsurface	Gas Probe	0%	N	0%	N	0%	N	0%	N
GP-11	Subsurface	Gas Probe	NI		NI		0%	N	0%	N
GP-12	Subsurface	Gas Probe	NI		NI		0%	N	0%	N

Comments:

S(Y/N) - Was screen submerged, yes or no or blank is non-applicable.

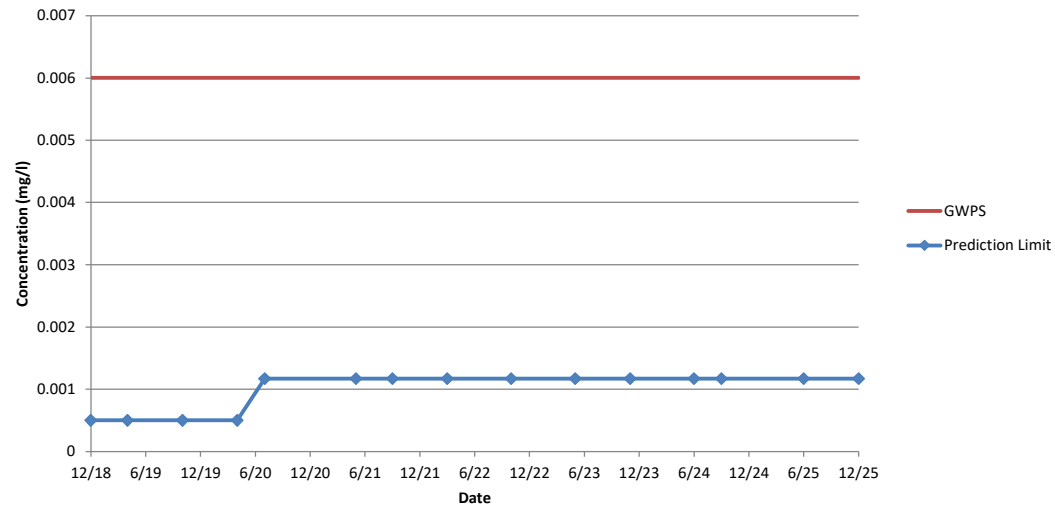
Monitoring points GP-11 and GP-12 were installed in September 2025.

NI - Not Installed.

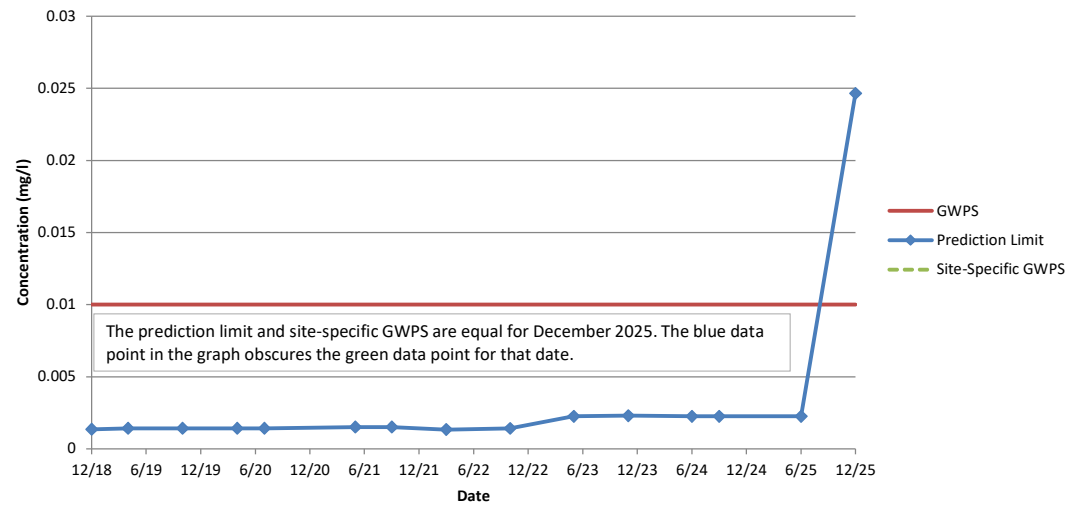
No action levels were exceeded during this reporting period.

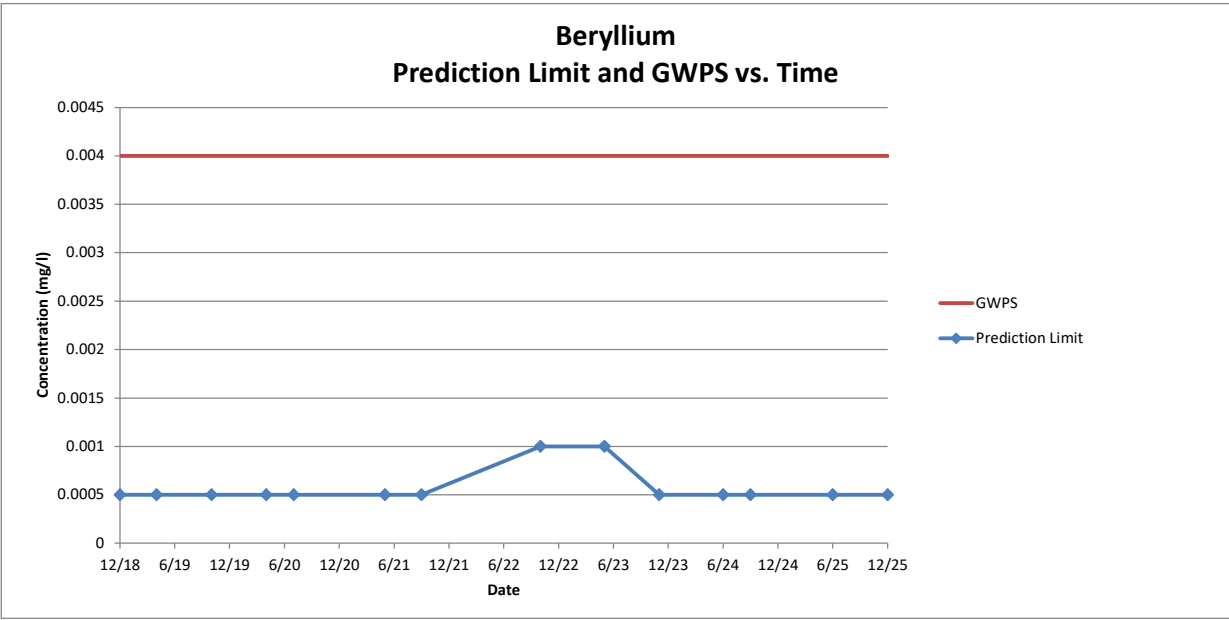
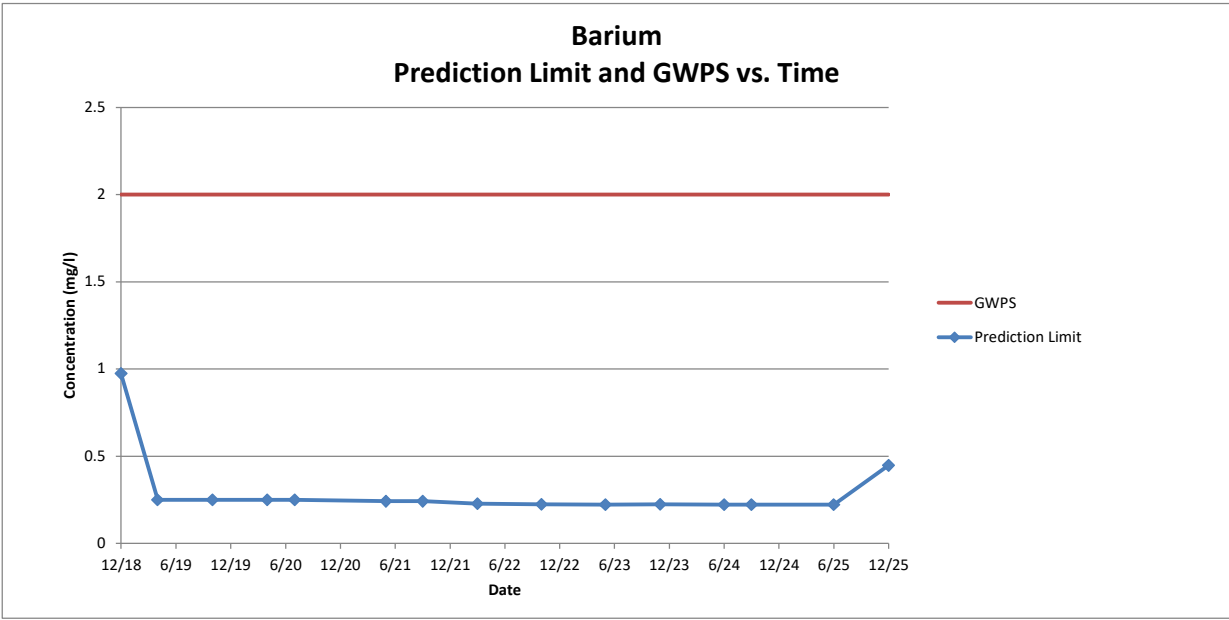
Appendix F
Standards History Graphs

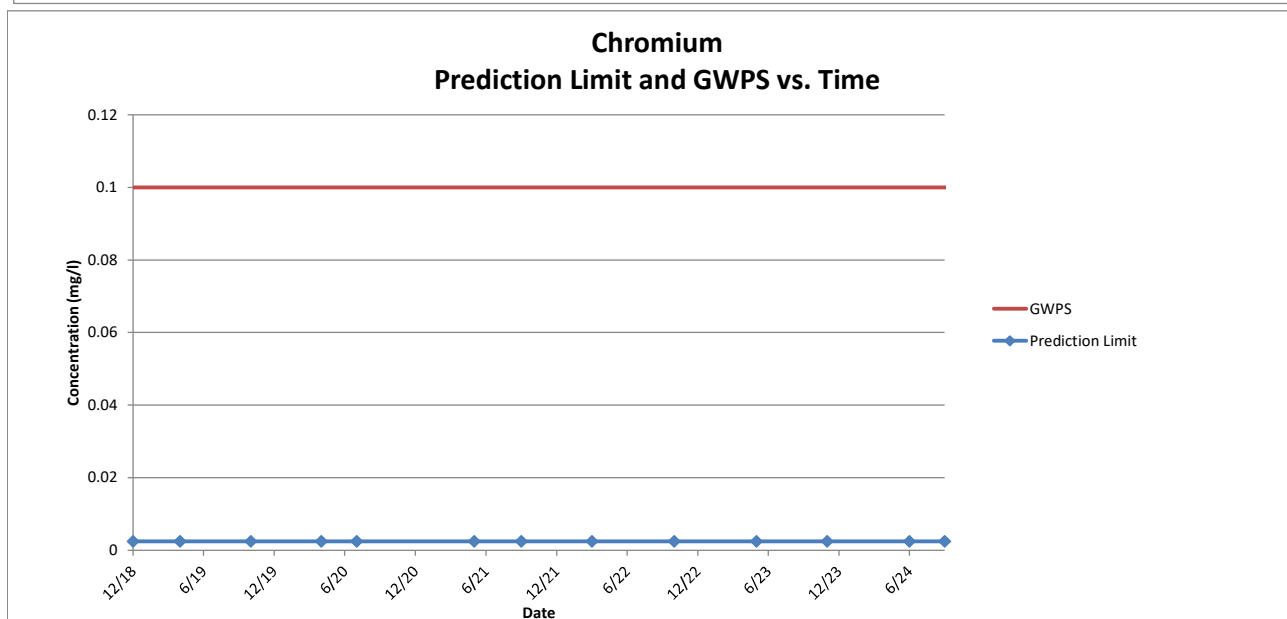
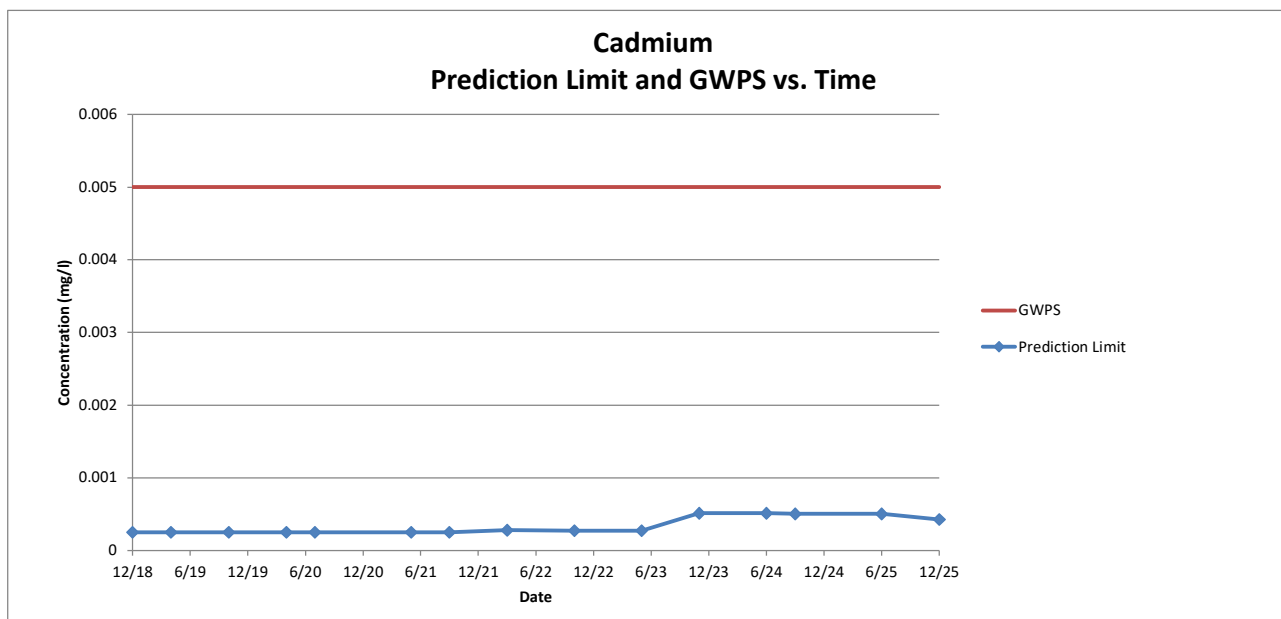
Antimony Prediction Limit and GWPS vs. Time



Arsenic Prediction Limit and GWPS vs. Time

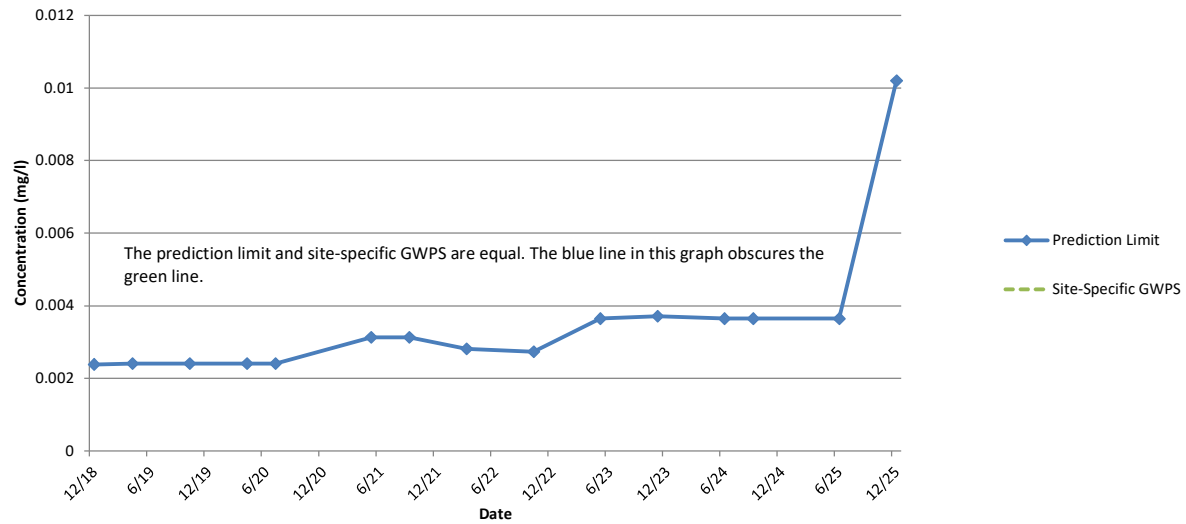






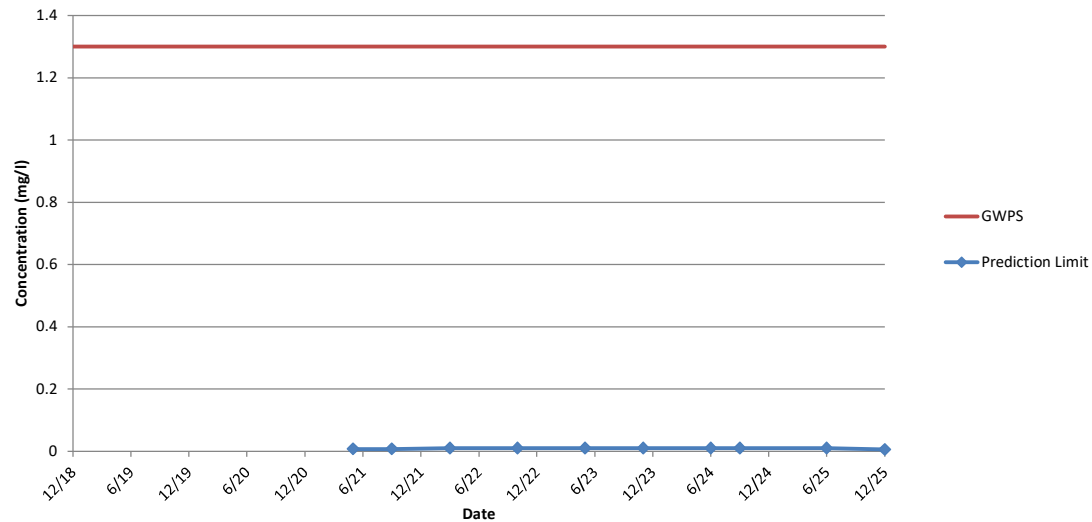
Cobalt

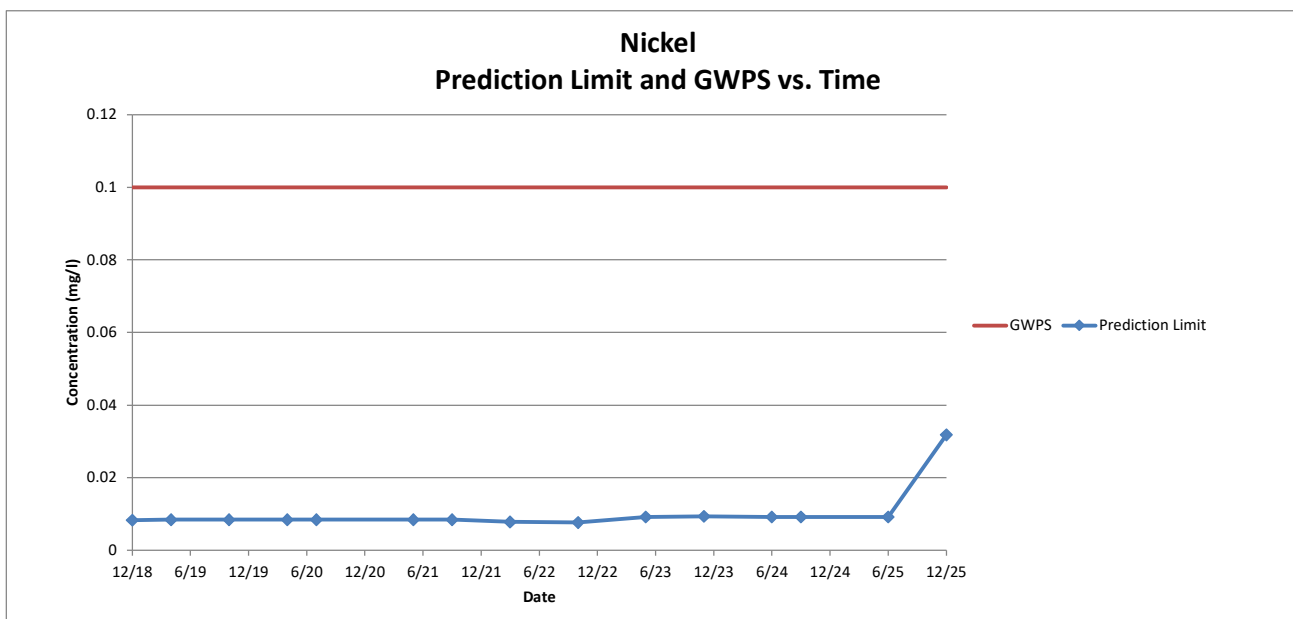
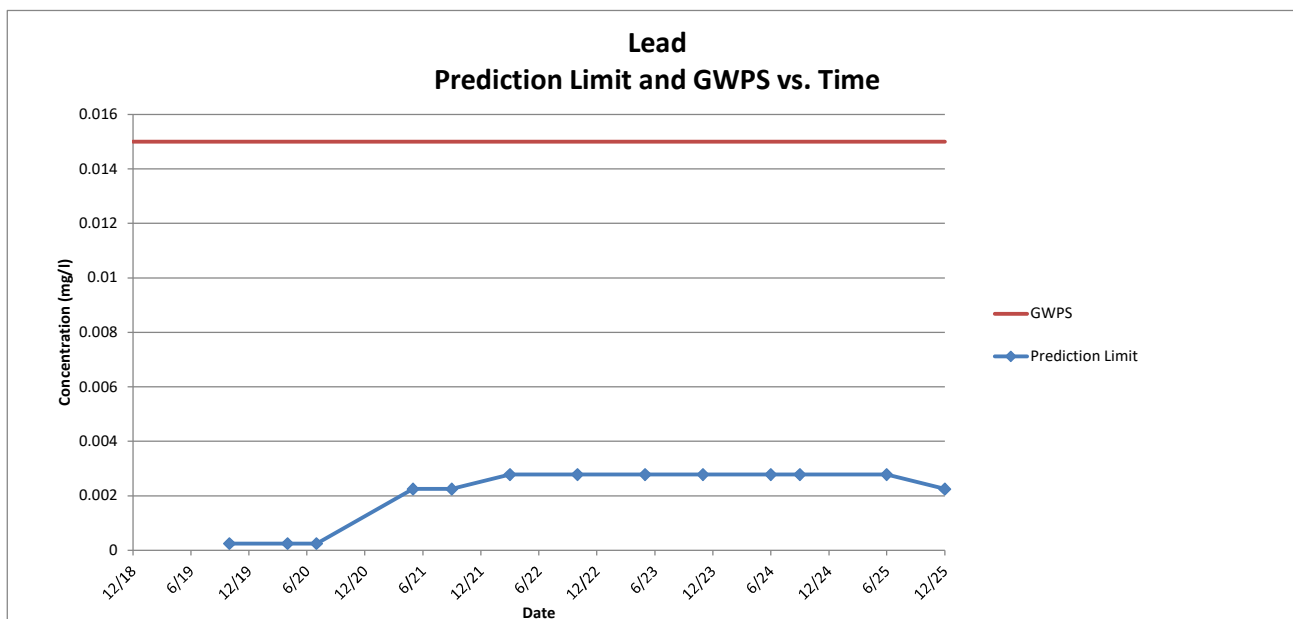
Prediction Limit and GWPS vs. Time

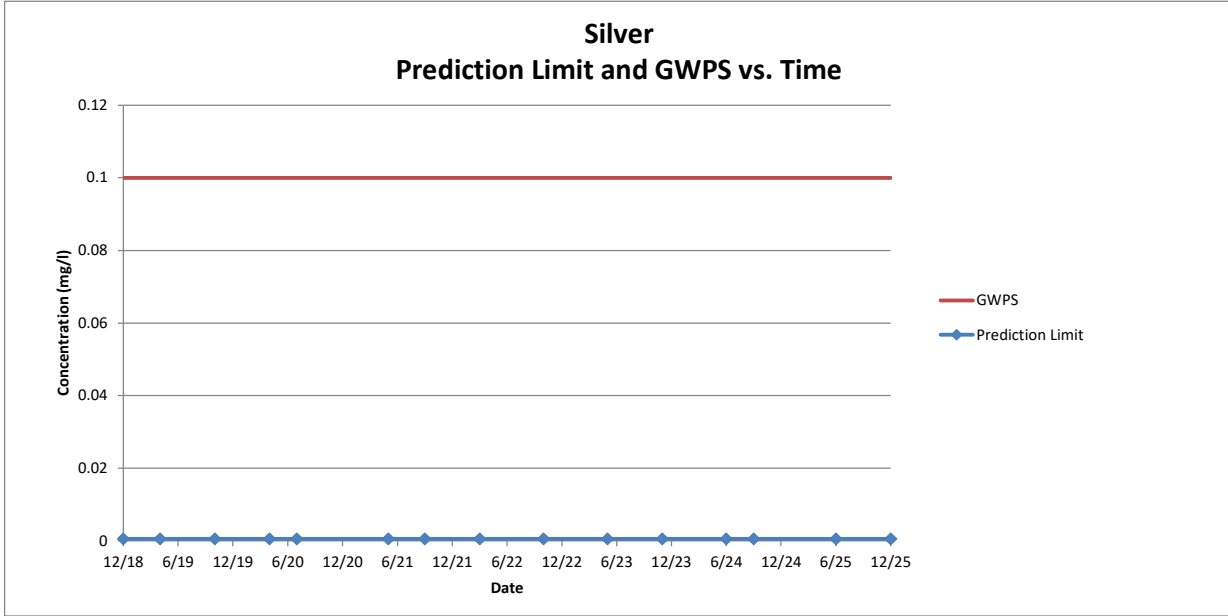
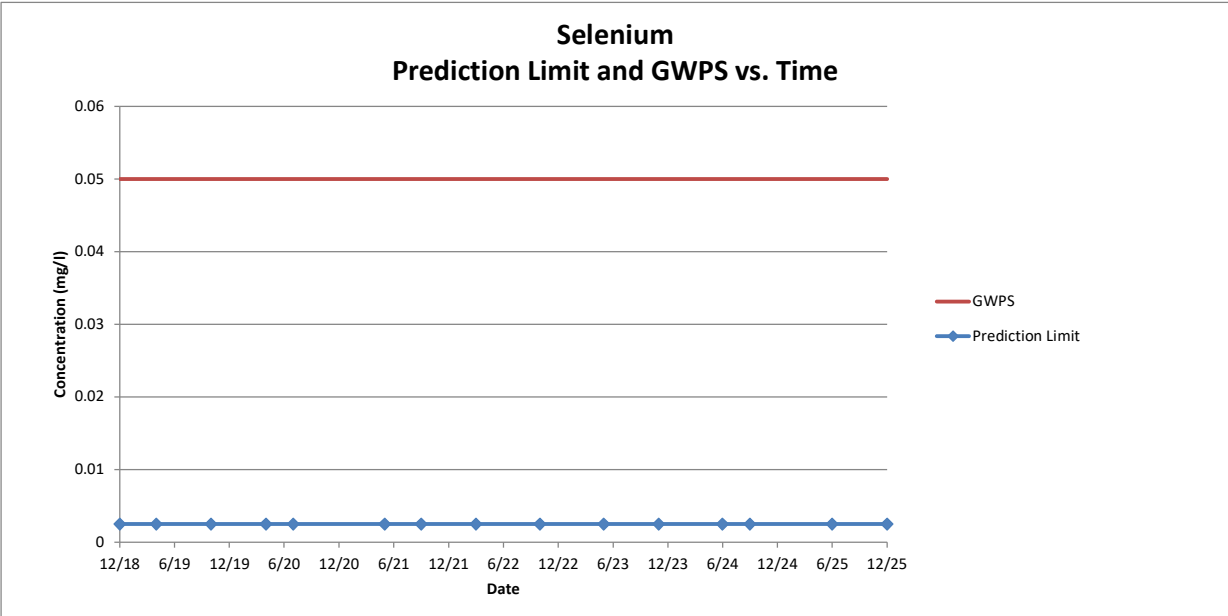


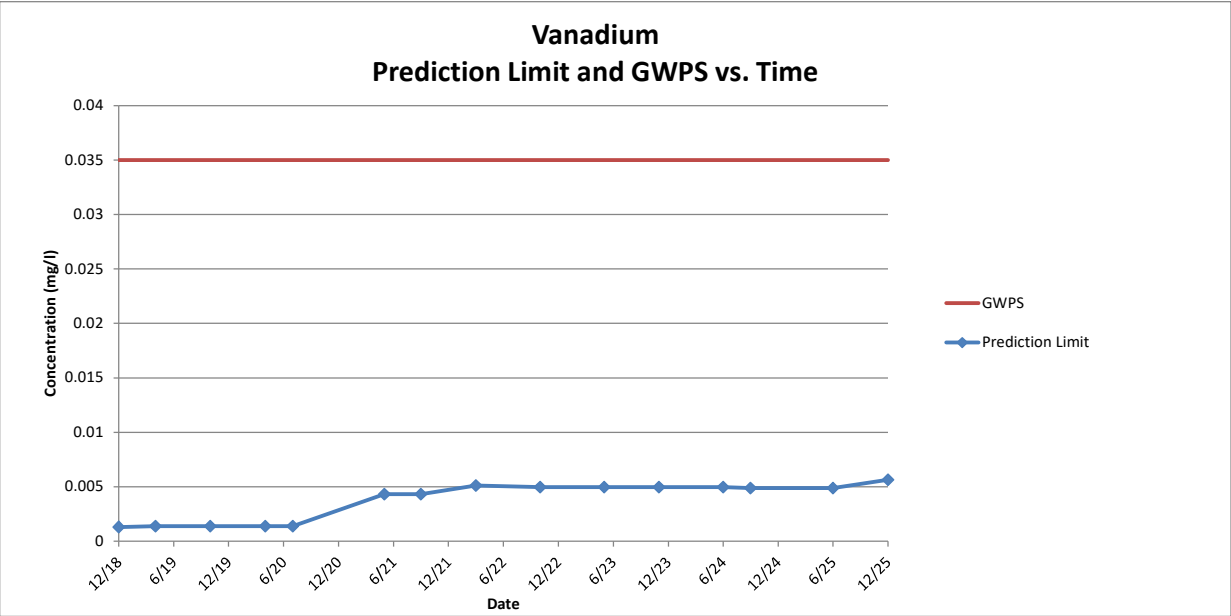
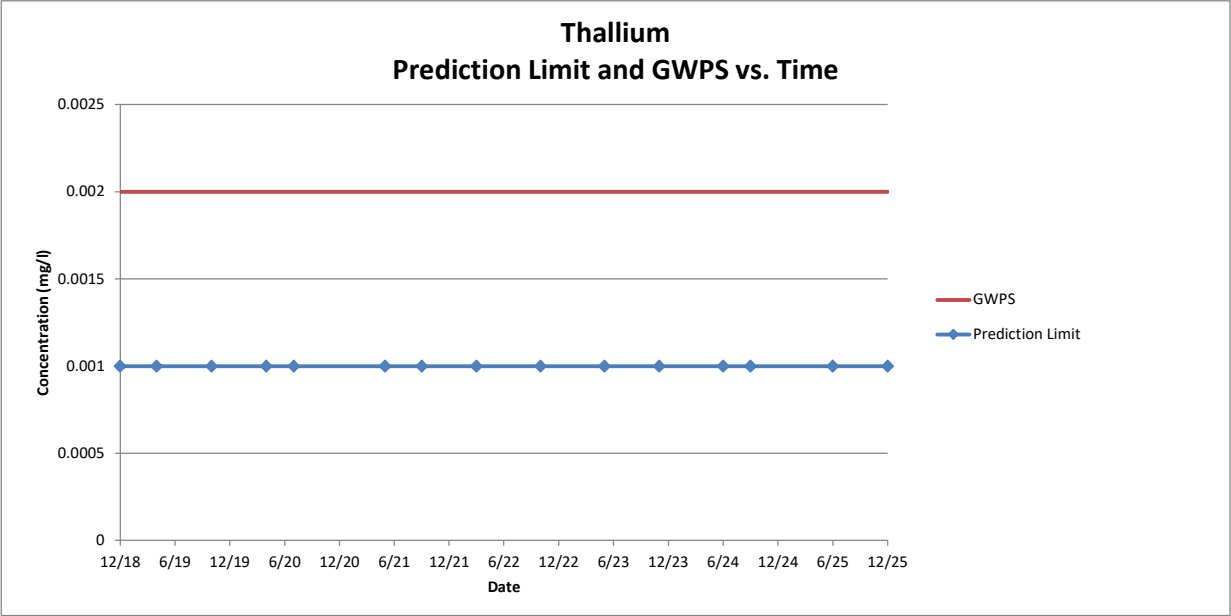
Copper

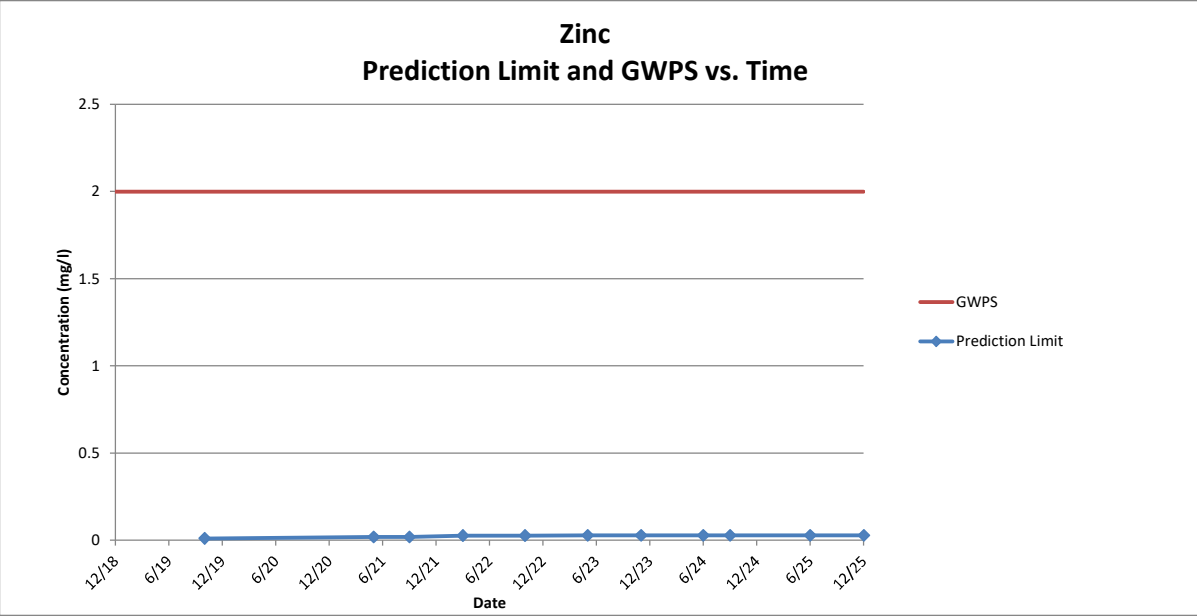
Prediction Limit and GWPS vs. Time





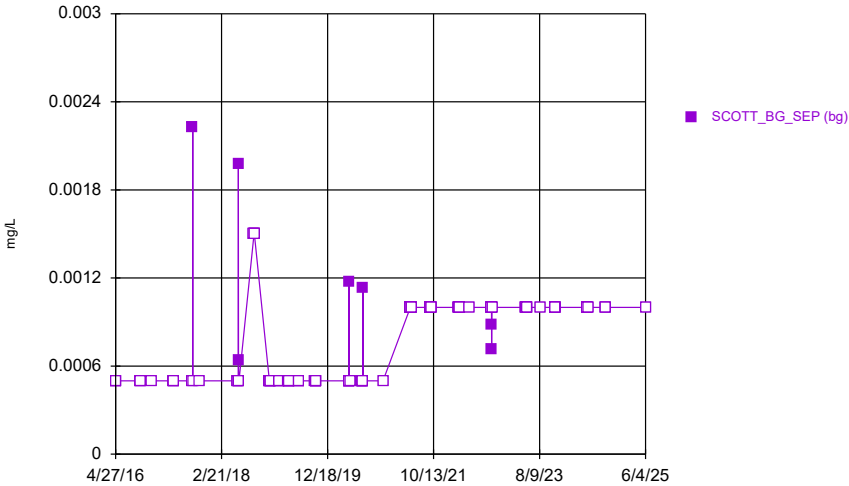






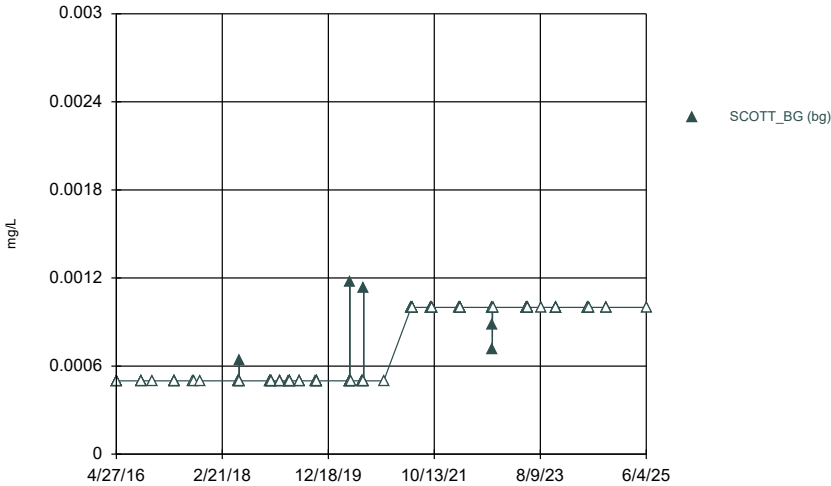
Appendix G
Background Expansion Time Series Plots

Time Series



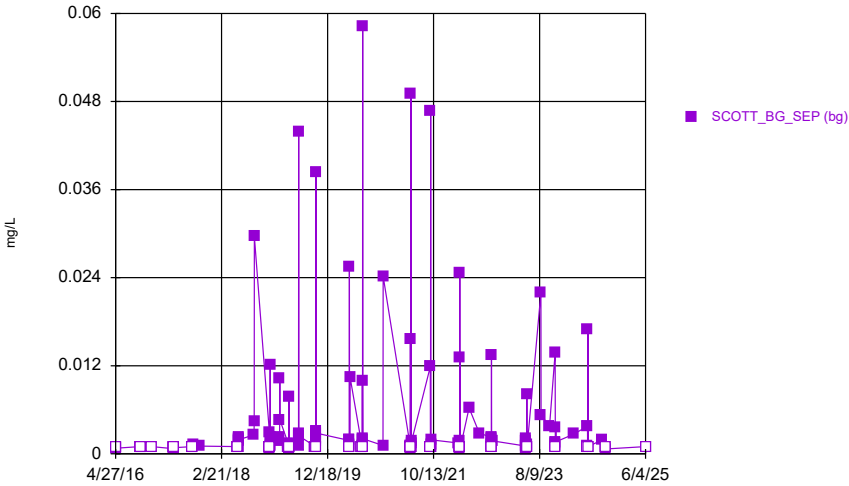
Constituent: Antimony Analysis Run 4/27/2026 10:26 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



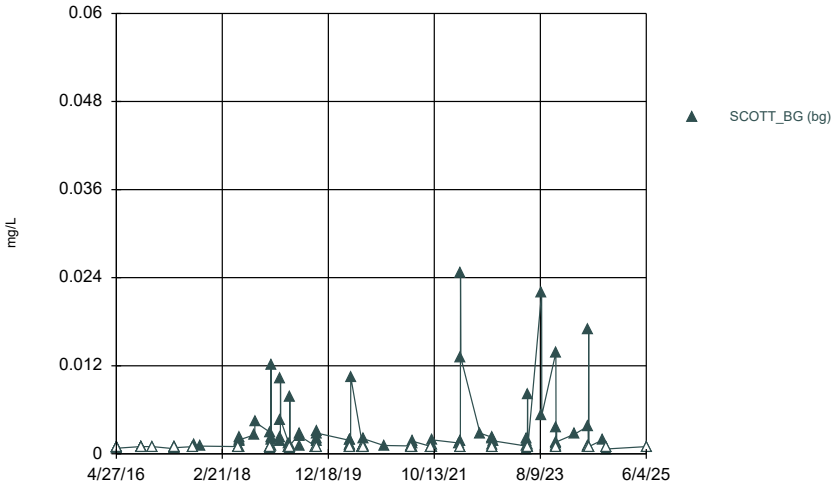
Constituent: Antimony Analysis Run 4/27/2026 10:26 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



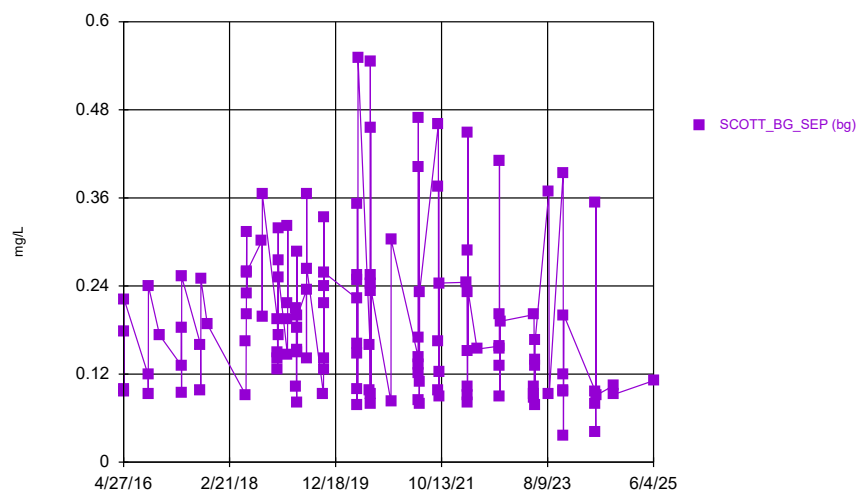
Constituent: Arsenic Analysis Run 4/27/2026 10:26 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



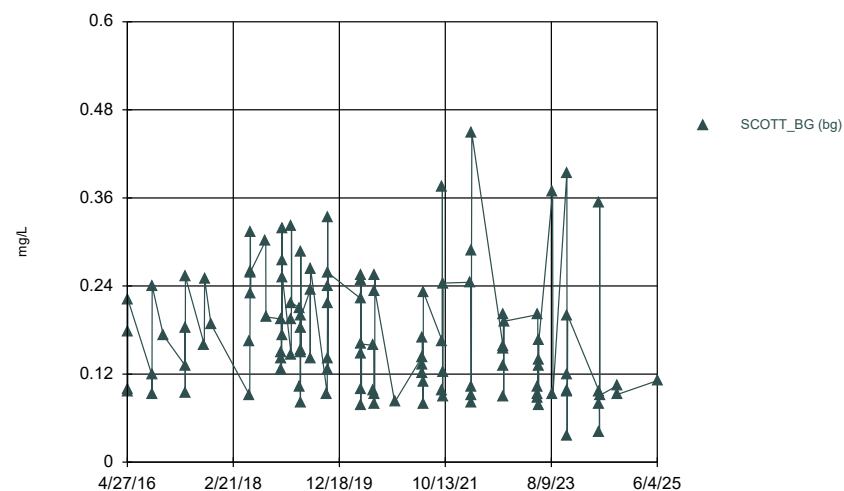
Constituent: Arsenic Analysis Run 4/27/2026 10:26 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



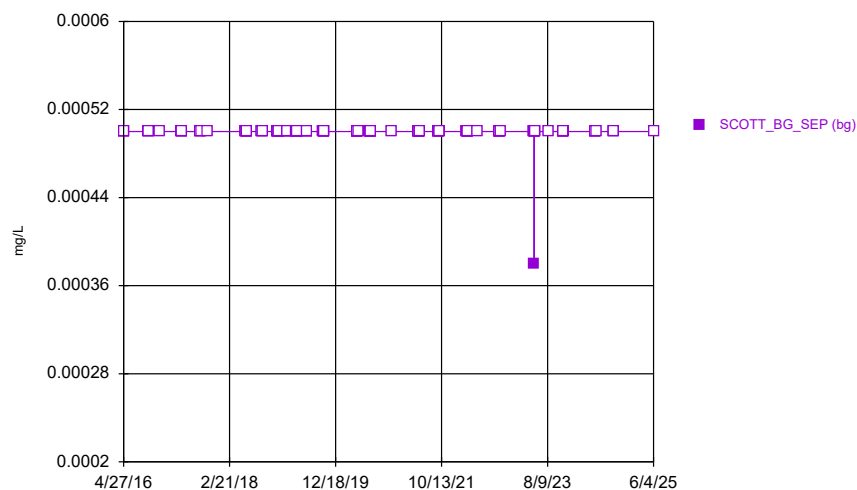
Constituent: Barium Analysis Run 4/27/2026 10:26 AM View: 2025AWQR-BG Comparison
 Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



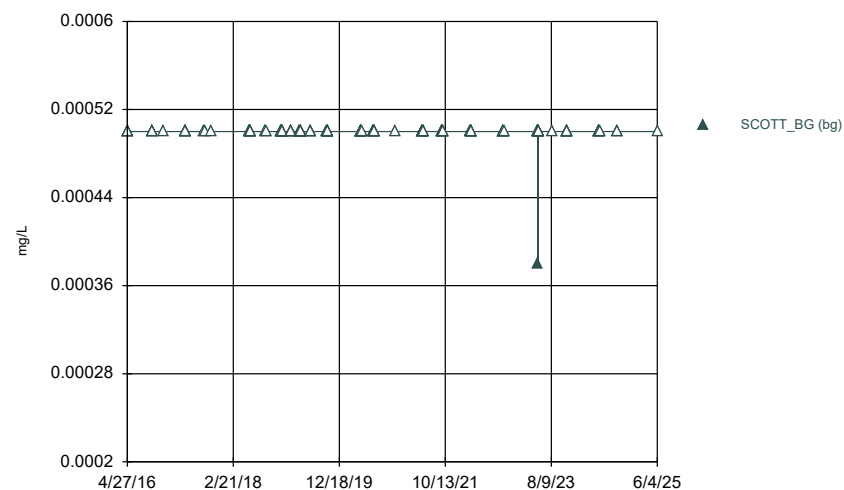
Constituent: Barium Analysis Run 4/27/2026 10:26 AM View: 2025AWQR-BG Comparison
 Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



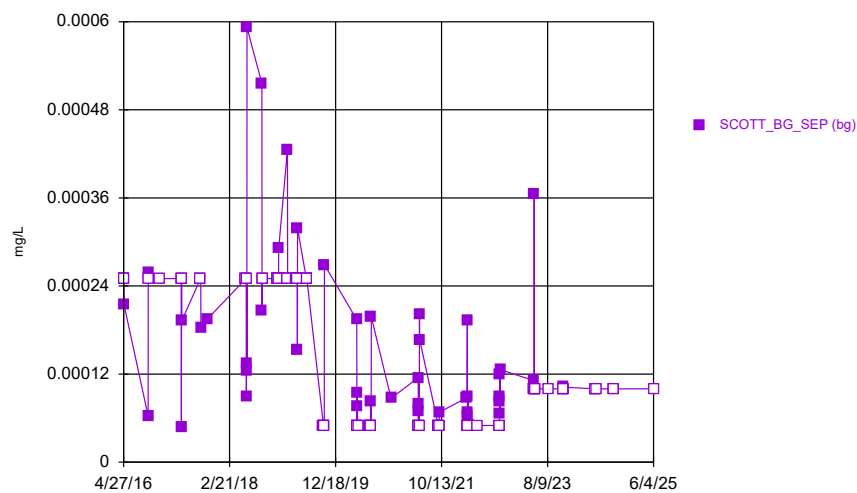
Constituent: Beryllium Analysis Run 4/27/2026 10:26 AM View: 2025AWQR-BG Comparison
 Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



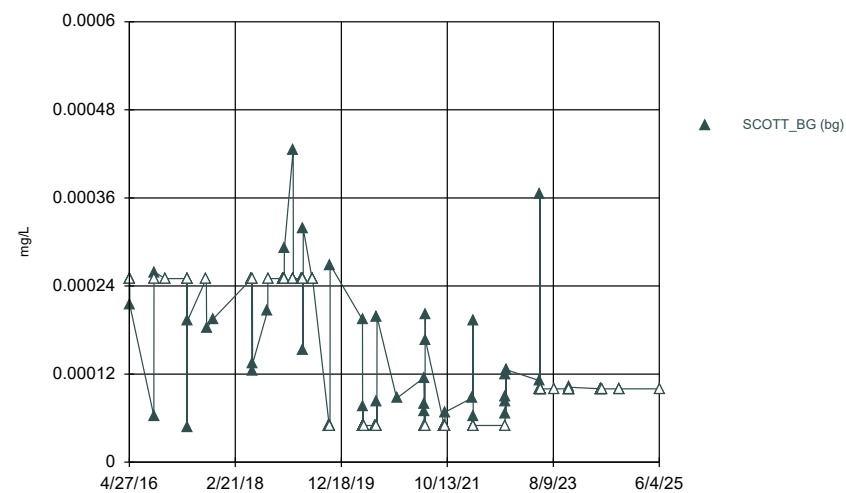
Constituent: Beryllium Analysis Run 4/27/2026 10:26 AM View: 2025AWQR-BG Comparison
 Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



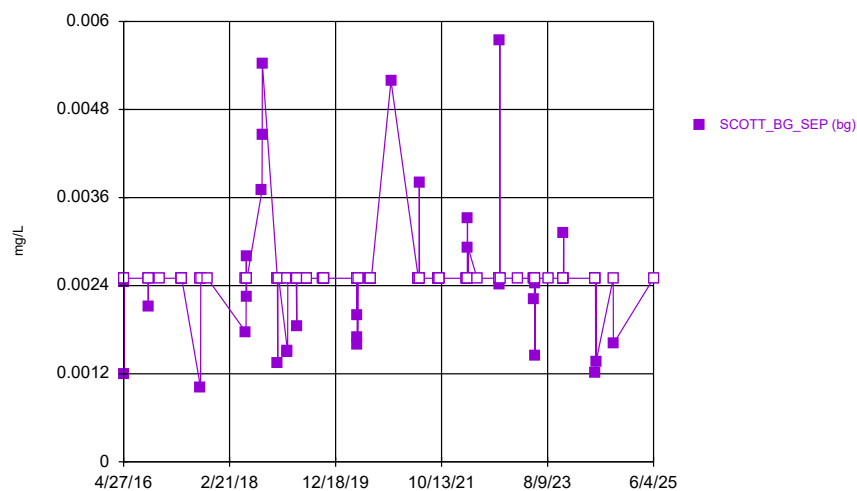
Constituent: Cadmium Analysis Run 4/27/2026 10:26 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



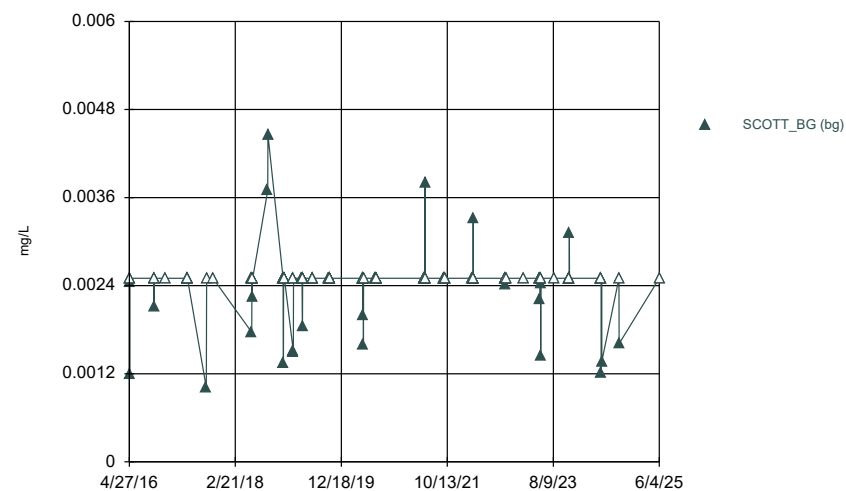
Constituent: Cadmium Analysis Run 4/27/2026 10:26 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



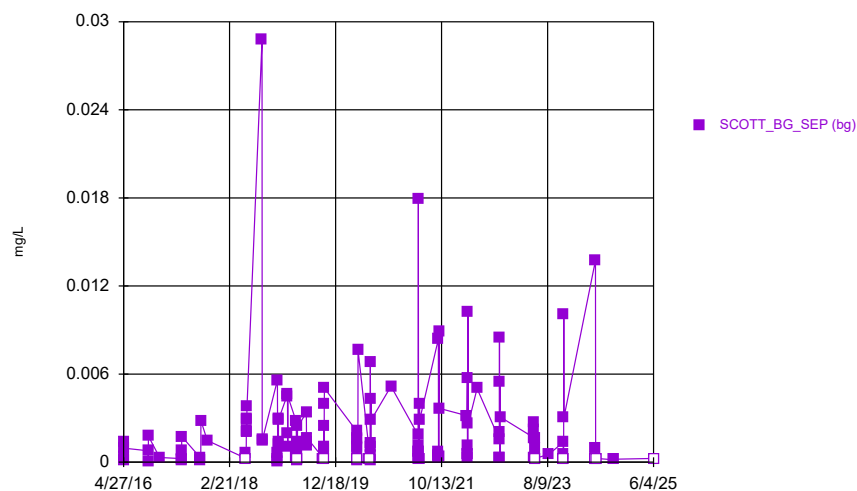
Constituent: Chromium Analysis Run 4/27/2026 10:27 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



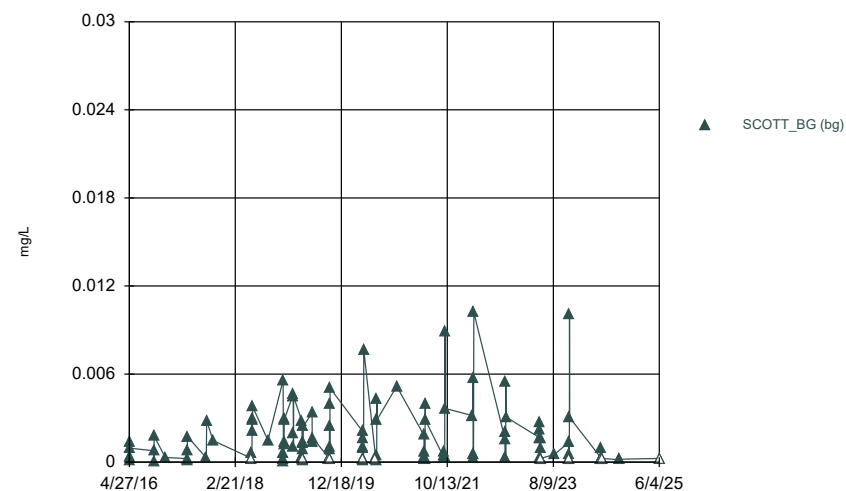
Constituent: Chromium Analysis Run 4/27/2026 10:27 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



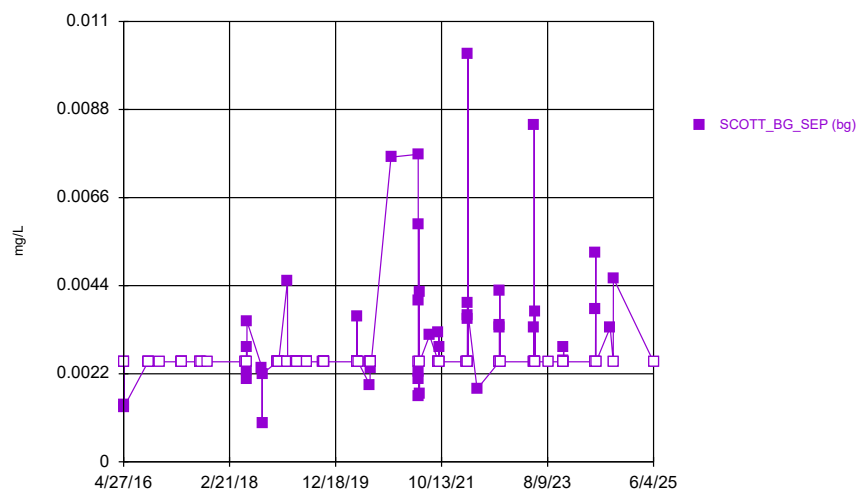
Constituent: Cobalt Analysis Run 4/27/2026 10:27 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



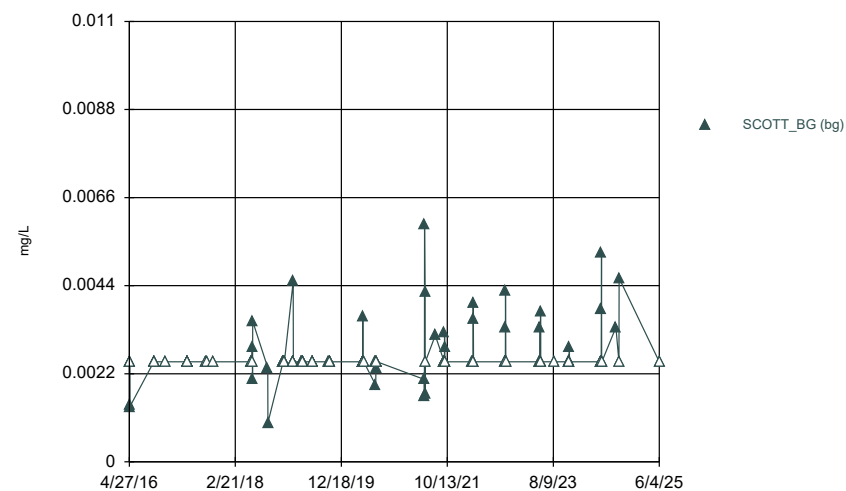
Constituent: Cobalt Analysis Run 4/27/2026 10:27 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



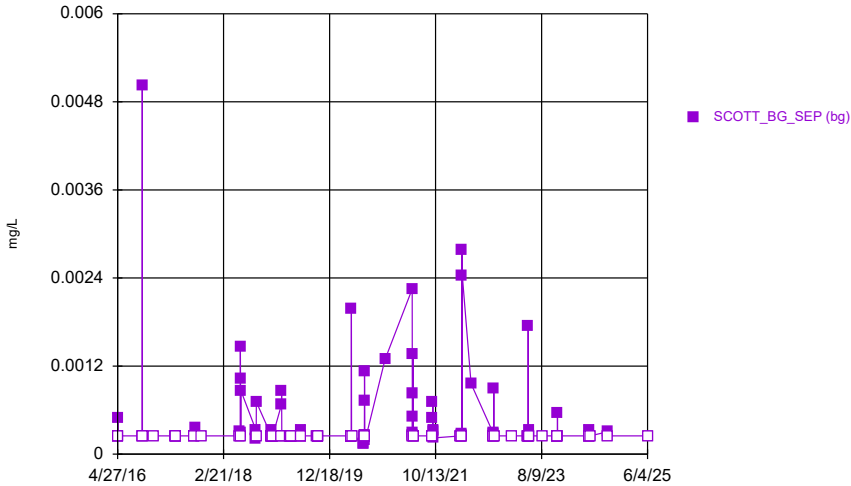
Constituent: Copper Analysis Run 4/27/2026 10:27 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



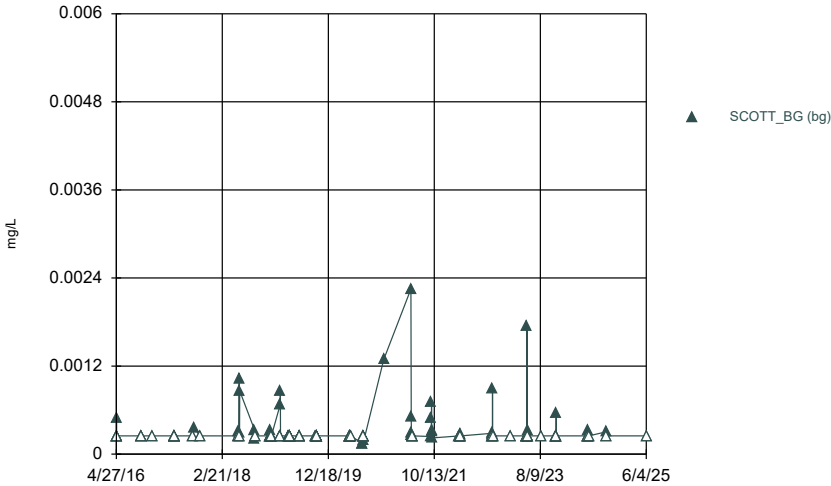
Constituent: Copper Analysis Run 4/27/2026 10:27 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



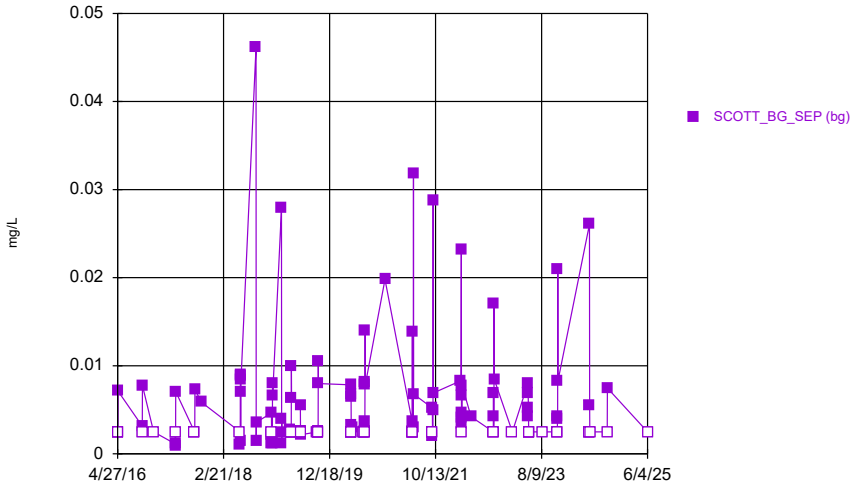
Constituent: Lead Analysis Run 4/27/2026 10:27 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series



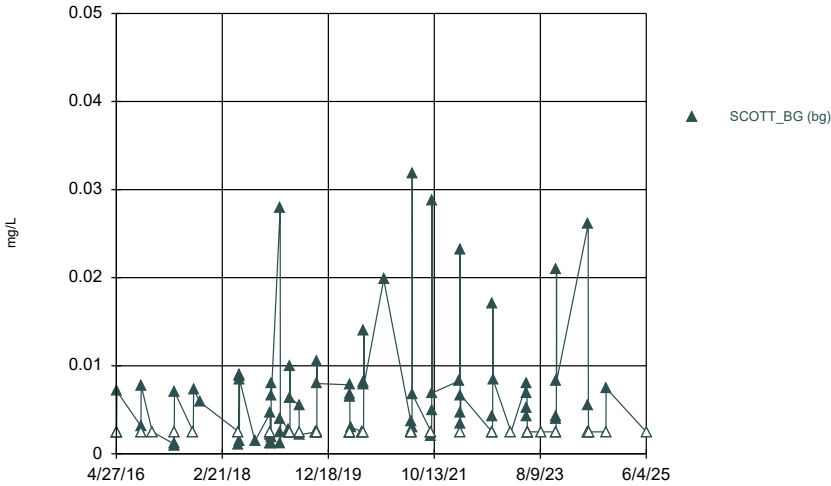
Constituent: Lead Analysis Run 4/27/2026 10:27 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series

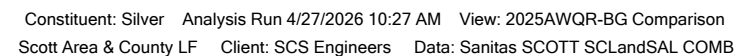
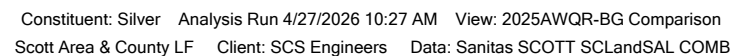
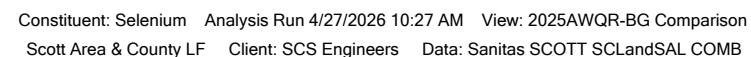
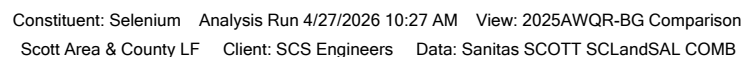


Constituent: Nickel Analysis Run 4/27/2026 10:27 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

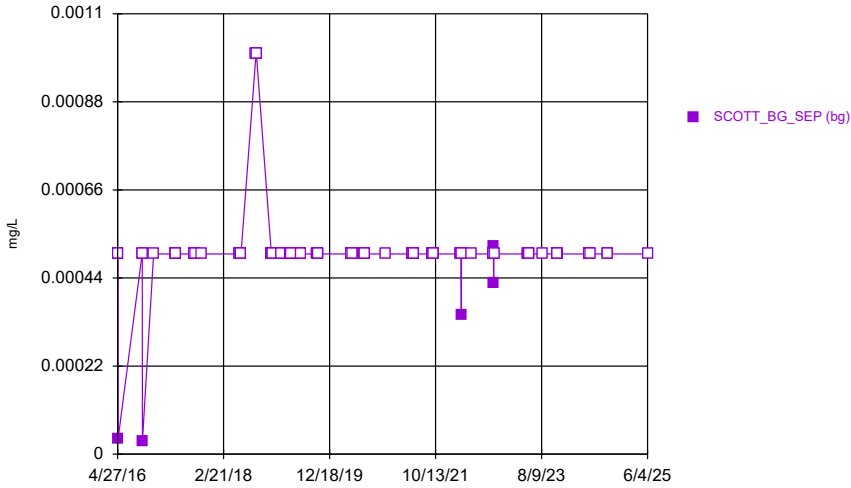
Time Series



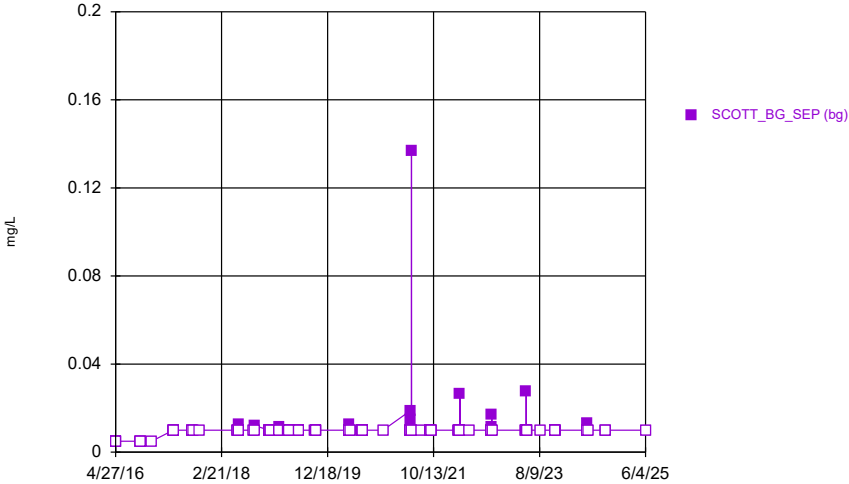
Constituent: Nickel Analysis Run 4/27/2026 10:27 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB



Time Series



Time Series



Constituent: Zinc Analysis Run 4/27/2026 10:27 AM View: 2025AWQR-BG Comparison
Scott Area & County LF Client: SCS Engineers Data: Sanitas SCOTT SCLandSAL COMB

Time Series

